



uemme
TOOLS & EQUIPMENT

Serie Mini

Dimensioni estremamente ridotte per
operazioni leggere in ingombri minimi

Mini Series

Reduced dimensions for light machining
in small bore diameters

Classic Line

ANGLE HEADS

Extra Lunghe

Lunghezza aumentata e maggior
rigidità. Ideali per lavorazioni in profondità

Extra Long types

Increased Body lenght and higher rigidity.
Ideal for machining in deep cavities



ANGLE HEADS

ANGLE HEADS

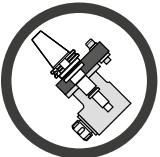
SPINDLE SPEEDERS

DRIVEN TOOLS

DRIVEN TOOLS

STATIC TOOLS

ACCESSORIES

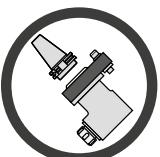


CLASSIC LINE

Teste Angolari Integrali
Integral Angle Heads



1



EVOLUTION LINE

Teste Angolari Modulari
Modular Angle Heads



2

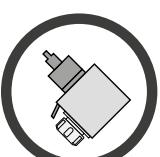


EVOLUTION LINE

Moltiplicatori di giri
Spindle Speeders



3

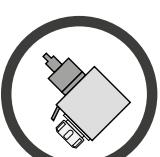


VDI

Portautensili Motorizzati
Driven Tools

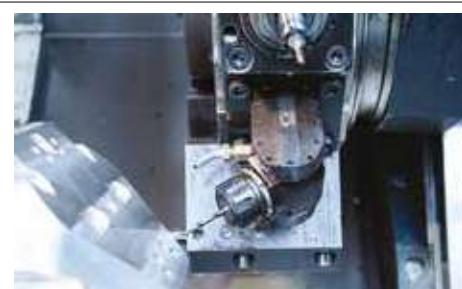


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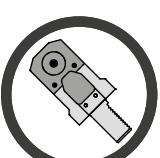


VDI & BMT

Portautensili Motorizzati
Driven Tools



5



VDI & BMT

Portautensili Statici
Static Tools



6



ACCESSORIES & SPARE PARTS

Ampia gamma di accessori e parti di ricambio!
Wide range of components and accessories !



7



“

**Teste Angolari e Motorizzati
Ideali per il settore
Aerospaziale & Automotive**

Angle Heads and Driven Tools
Ideal for Aerospace &
Automotive application

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What does tooling mean?



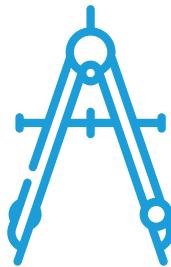
Dal 1985 Gerardi affianca alla sua ampia gamma di prodotti "workholding" la linea di portautensili Tooling composta da Teste Angolari e Motorizzati per torni CNC per lavorazioni foratura, fresatura e filettatura **ideali per il settore aerospaziale, automotive e qualunque altro settore di lavorazioni di precisione.** Tutti i prodotti Gerardi sono in grado di soddisfare gli standard più elevati e le richieste speciali dei nostri clienti e tutta la linea di prodotti tooling è interamente progettata e realizzata in Italia.

Since 1985 Gerardi supplies high performance Angle Heads for modern Machine centers and conventional machines and Driven Tools for CNC Lathes. These fixtures allow milling, drilling and tapping and have become internationally appreciated for their high quality and reliability. **Ideal for aerospace, automotive or otherhigh precision applications.** All Gerardi products are able to meet the highest standards and customers special requests. The whole range of Tooling products is entirely designed and realized in Italy



**WE DESIGN
MANUFACTURE
& DISTRIBUTE
WORLDWIDE**

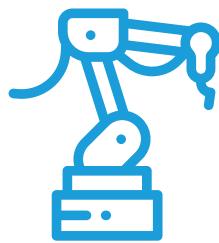




DESIGNING

Progettiamo e sviluppiamo soluzioni innovative per il serraggio e a lavorazione di particolari in acciaio, ghisa ed alluminio come ad esempio morse di precisione, teste angolari e porta utensili motorizzati.

We design and develop innovative solutions for clamping, workholding and machining of workpieces in steel, cast iron and aluminum such as precision vises, angle heads and driven tools.



MANUFACTURING

I nostri centri di lavoro, gli utensili, i sistemi CAD/CAM e un team altamente qualificato contribuiscono alla realizzazione di componenti anche molto complessi e assicurano risultati di lavorazione eccellenti.

Machines, tools, CAD/CAM and a great Team contribute to the realization of even very complex components and ensure excellent machining results.



WORLDWIDE DISTRIBUTION

La distribuzione dei nostri prodotti è supportata da una rete di vendita molto estesa che comprende distributori e agenti provenienti da tutte le parti del mondo.

The distribution of our products are supported by an extensive network of wholesalers and agents that promote and are committed to sell all over the world.



CUSTOMER CARE

I nostri punti di forza sono la vasta disponibilità di ricambi pronti a magazzino, il nostro servizio di manutenzione e riparazione e l'assistenza tecnica telefonica gratuita pre- e post-vendita.

An extraordinary point of our strength is our huge spare parts stock, maintenance and repair service with free phone assistance of our technical Team before & after sales.



ITALIAN DESIGNING



WORLDWIDE DISTRIBUTION

71

1971

80
90

1980



90

1990



La Gerardi S.p.A. è stata fondata da Ivano Gerardi Sr. nel 1971 come terzista per la rettifica ed è situata vicino a Milano. Nel 1972, in seguito alla crisi petrolifera, è stata concepita e sviluppata la prima morsa modulare di precisione.

Gerardi S.p.A. Co. was established by Ivano Gerardi Sr. in 1971 as grinding subcontractor. The company is located near Milan, Italy. In 1972 due to the oil crises the first precision modular vise has been conceived and designed.

Negli anni '80 l'azienda è cresciuta diventando la maggior produttrice di morse modulari di precisione della nazione e una delle aziende leader del mercato della Comunità Europea e la qualità dei suoi prodotti è stata riconosciuta in tutto il mondo. Nel frattempo l'azienda ha continuato a sviluppare la sua tecnologia di rettifica con un concetto totalmente nuovo alla base del progetto. Gerardi S.p.A. ha inoltre lanciato una vasta gamma di Teste Angolari per centri di lavoro e utensili tradizionali e Portautensili Motorizzati per torni CNC. Attraverso una campagna di marketing globale, l'azienda ha portato il volume della produzione da pochi pezzi a migliaia di prodotti venduti e la sua tecnologia è conosciuta e venduta in tutto il mondo.

In the Eighties the company grew to become the largest Italian vise manufacturer and one of the leaders in the European Common Market and the quality of its products got worldwide renown. Meanwhile the company developed its own Grinding machines technology with a totally new concept at the base of the project. Moreover Gerardi S.p.A. launched a wide range of Angle Heads for traditional machine tools and machining centers and Driven Tools for C.N.C. lathes. With worldwide marketing efforts, the company has brought the production from few pieces to thousands with products and technologies known and sold all over the world.

Nello stesso periodo l'azienda ha fondato una joint-venture in Cina per la produzione di particolari e di alcuni tipi di morse in collaborazione con l'industria aerospaziale cinese AVIC. Grazie ai consistenti investimenti la nuova azienda è oggi controllata da Gerardi e sta raggiungendo la stessa posizione di eccellenza ottenuta nel mercato europeo, sia nel mercato asiatico che in Nord e Sud America.

In the same period the company established a joint-venture in China for the manufacturing of parts and types of vises together with the Chinese aerospace industry AVIC. Thanks to major investments the new company is today controlled by Gerardi and is achieving the same excellent leadership results in Asia and North & South America as those accomplished in Europe.

00

2000



12

2012



20

2020

Con importanti investimenti e un impegno finanziario consistente, è stata costituita una filiale negli Stati Uniti, vicino a Chicago, e nel 2007 è stata aperta una nuova succursale a Stoccarda, in Germania, con lo scopo di servire al meglio i mercati locali.

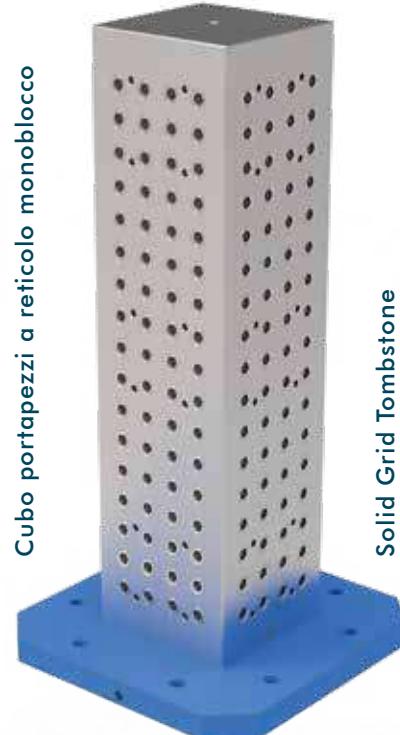
After the set up of a US subsidiary Co. near Chicago, a new German branch has been established in Stuttgart / Germany in 2007 in order to better penetrate and service the local markets. Of course this meant a huge financial effort and investments.

Gerardi S.p.A. ha avviato un nuovo stabilimento produttivo per implementare la produzione di Teste angolari, Portautensili motorizzati e Portapezzi e piastre personalizzati. E' stata inoltre aperta una nuova succursale in India per la produzione di attrezzature per il mercato indiano.

Gerardi set up a new manufacturing plant to increase the Angle Heads, Driven Tools, tailor made Tombstones and plates production and a new company in INDIA for the manufacturing of fixtures for the Indian market.

Creazione di un nuovo stabilimento logistico per incrementare l'efficienza della distribuzione e delle spedizioni.

Creation of a new logistic plant to improve efficiency in shipments and distribution.



Cubo portapezzi a reticollo monoblocco

Solid Grid Tombstone

24
2
2024

Lo staff della Gerardi conta oggi oltre 200 persone con un'età media inferiore ai 40 anni. Le posizioni manageriali e di rilievo sono occupate da personale che è maturato all'interno dell'azienda grazie a formazione interna ed esperienza. La percentuale di esportazioni è oggi più del 70% della nostra produzione totale ed interessa più di 60 paesi in tutto il mondo. Investiamo inoltre il 10% del fatturato in ricerca tecnologica per la progettazione e realizzazione di nuovi prodotti. Gli investimenti complessivi dell'azienda superano i 20 milioni di Euro.

The Gerardi S.p.A. Co. staff now numbers over 200 employees with an average age of under 40. In the company all the top roles and manager positions were acquired through internal training and experience. Our total export is today more than 70% of our total production in more than 60 countries around the world and we invest about 10% of our total turnover in advanced technological research for designing & manufacturing new products. The overall investments of the company exceed € 20 Million.

WHAT'S NEXT

Il mercato è oggigiorno molto esigente: la competitività è data dalla continua capacità di offrire velocemente nuovi prodotti che richiedono costantemente nuovi aggiornamenti e miglioramenti. La produzione è impegnata a seguire questa continua evoluzione offrendo prodotti di alta qualità in breve tempo e ad un prezzo competitivo.

The market is nowadays highly demanding: competitiveness is played on the continuous ability to offer new products that quickly and constantly require new updated and upgraded versions. Production is forced to follow these continuous developments by supplying high quality products in a short time and with competitive prices.

OUR GOAL

Il nostro obiettivo è di fornire soluzioni che permettano di aumentare la produttività e l'efficienza garantendo un rapporto qualità prezzo imbattibile.

Our Goal is to supply solutions able to increase workshops productivity and efficiency with an unbeatable price / quality ratio

Photo: Ivano Gerardi Jr. (CEO)
and Ivano Gerardi Sr.
(Founder of Gerardi S.p.A.)





Main Clients



Danfoss

LEONARDO

Ferrari

brembo

RIELLO



DANIELI

JEP
HOLDINGS LTD

JABIL
DEFENSE & AEROSPACE

S SAFRAN

Gardner
AEROSPACE

WORLD CONSTRUCTORS CHAMPIONS
MERCEDES AMG
HIGH PERFORMANCE POWERTRAINS

WHERE WE ARE



● Headquarter

● Branches

● Distributors

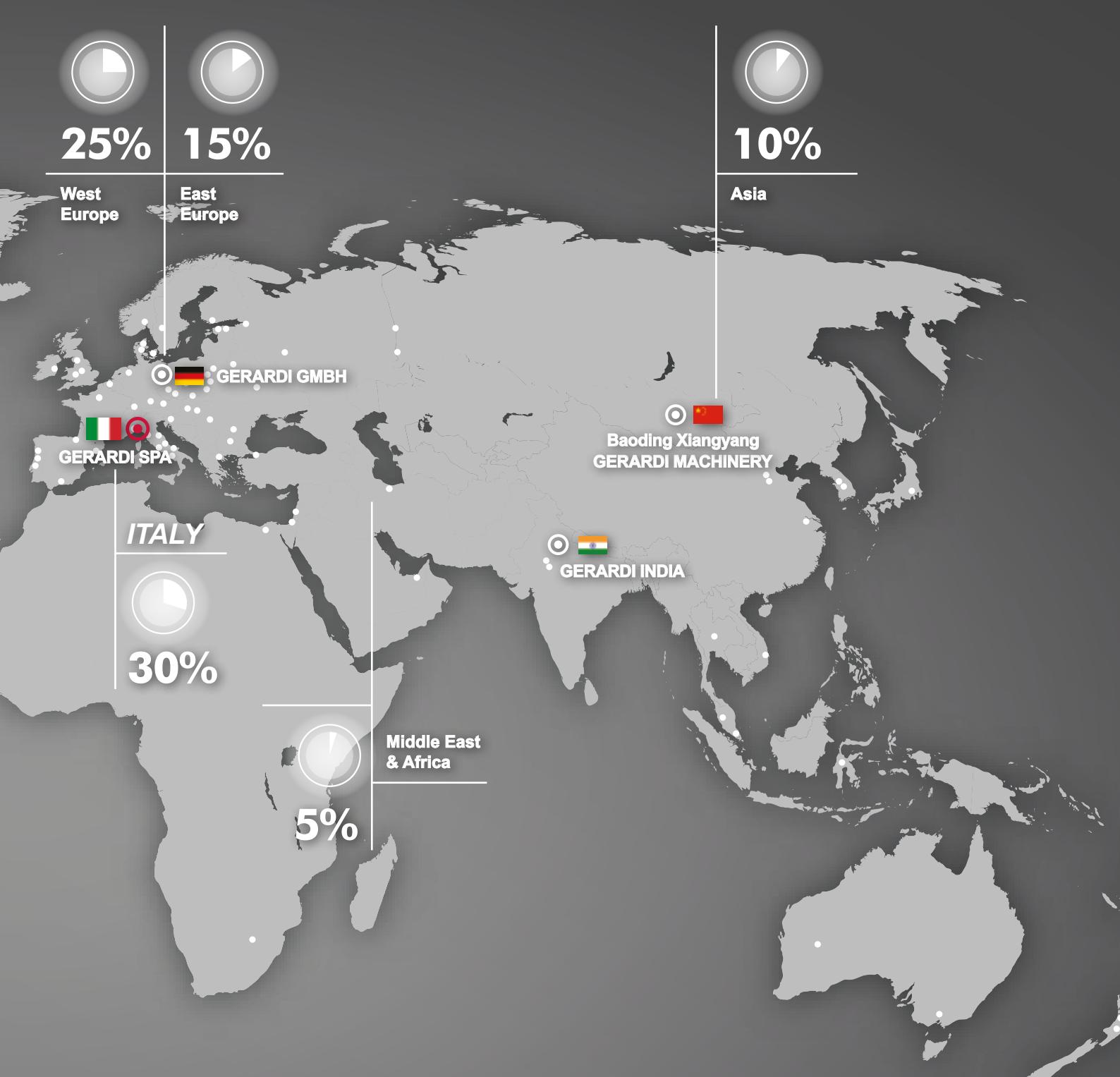
● More than 200

● 200 worldwide



Headquarter & 3 plants in Italy
80 employees





Progettazione, produzione e distribuzione in tutto il mondo di attrezzature per bloccaggio pezzi e attrezzature per macchine utensili.

Il supporto e la protezione dei nostri agenti, rappresentanti e distributori sono il nostro valore e orgoglio! Fin dall'inizio abbiamo sviluppato la distribuzione dei nostri prodotti costruendo una forte partnership con la nostra rete mondiale di distributori, che è la base per un lavoro continuo e una profonda penetrazione nel mercato.



1 plant in China
120 employees



1 Commercial branch
Chicago, U.S.A



1 Commercial branch
near Stuttgart, Germany



1 Manufacturing plant in India



1 Commercial Branch in Brazil

What's next ?

Designing, manufacturing and worldwide distribution of workholding & tooling equipment fixtures for machine tools.

Support and protection of our agents, reps and distributors are our value & pride! Since the very beginning we've been developing our products distribution by building up a strong partnership with our worldwide distributors network, which is the base for continuous work and a deep market penetration.



Evolution Line ANGLE HEADS



SLIM
series

Nuovo modello serie Slim GS90-3XS per MICRO lavorazioni in ingombri minimi
New Slim series type GS90-3XS for MICRO machining in minimum overall spaces

Pag - Page 1.18



MINI 90°
series

La nuova serie Mini 90° con manipolo ad angolo intercambiabile per lavorazioni con utensile da Ø1,6 a Ø3

The new Mini 90° series with interchangeable angle spindle ideal for machining with tool from Ø1,6 to Ø3

Pag - Page from 1.14 to 1.17



MINI 90°
series

La nuova testa angolare mini GM90-5, con torretta riportata.

The new mini Angle Head GM90-5, with turret

Pag - Page 1.21



EXTENDED
series

La serie di teste angolari EXTRA LUNGHE con torretta riportata

New EXTENDED series angle heads with reported turret

Pag - Page from 1.34 to 1.37



OFFSET
series

Nuova testa angolare disassata GR90-20 con refrigerante interno fino a 70bar

New offset angle head GR90-20 with internal coolant up to 70 bar

Pag - Page from 1.48 to 1.52



LIGHT
series

Nuove teste angolari con corpo in alluminio FL90-13L e FL90-16L

New angle heads with aluminum body FL90-13L and FL90-16L

Pag - Page from 2.15 to 2.17



LIGHT
series

Nuova testa angolare in alluminio FLU con angolazione regolabile da 0° a 180°

New angle head FLU with aluminum bodies with adjustable angle from 0° to 180°

Pag - Page from 2.19



STD 90°
series

Nuovo modello di testa angolare con cono integrale F90-20L

New angle head model F90-20L with integral shank

Pag - Page from 2.37



OFFSET
series

Nuova gamma di teste disassate con refrigerante interno fino a 70bar

New offset heads range with internal coolant up to 70 bar

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Main inside news

**Classic Line
ANGLE HEADS**

VDI & BMT STATIC TOOLS



BMT
lathes

Nuovi motorizzati BMT55 / BMT65 con tenone maggiorato

New BMT55/ BMT65 driven tools with bigger tenon

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MAZAK
lathes

Nuovi modelli QTS & HQ
New driven tools for QTS & HQ lathes

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MIYANO
lathes

Nuova ampia gamma di motorizzati per torni Miyano Ø38

New wide range of Driven tools for Miyano Ø38 lathes

Pag - Page from 5.109 to 5.111



OKUMA
lathes

Nuove ampie gamme di motorizzati per torni Okuma VDI30- VDI40 - BMT55

New wide ranges of Driven tools for Okuma VDI 30 - 40 and BMT65 lathes

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TAKISAWA
JAPAN
lathes

Nuova gamma di motorizzati per torni Takisawa Japan BMT60

New range of Driven tools for Takisawa Japan BMT60

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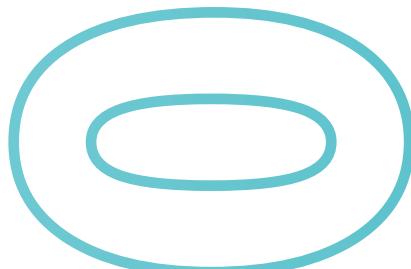


TAKISAWA
TAIWAN
lathes

Nuova gamma di motorizzati per torni Takisawa Taiwan BMT60

New range of Driven tools for Takisawa Taiwan BMT60

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STATIC TOOLS
series

Nuove gamme e numerosi modelli di portautensili statici Biglia, Bmt 45/55/65/75, Dmg Mori, Mazak Nakamura, Okuma

New series and more models of static tools: Biglia, Bmt 45/55/65/75, Dmg Mori, Mazak Nakamura, Okuma

Pag - Page from 6.9 to 6.100

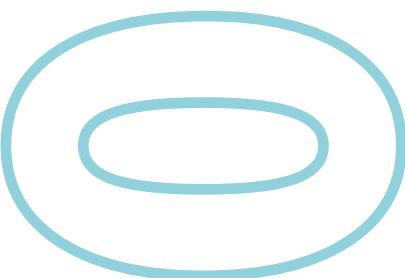


BORING BAR
Sleeves

Bussole di riduzione per porta bareni

Reduction sleeves for boring bar holder

Pag - Page from 6.9 to 6.100



VDI & BMT DRIVEN TOOLS



MODULAR QUICK CHANGE ADAPTORS

2.0

Pag - Page 7.12 - 7.15

Compatibili con tutte le uscite ER - Compatible with all ER outputs



TEMPI di INSTALLAZIONE RIDOTTI e POSSIBILITÀ di PRE-SETTING A BORDO MACCHINA

Filetto Interno - Internal thread



REDUCE SET-UP TIME and ALLOW OFFLINE TOOL PRESETTING !

Filetto Esterno - External thread

CERTIFICATO

DI GARANZIA 



CERTIFICATO DI GARANZIA GERARDI GARANTISCE I MATERIALI DELLA MIGLIOR QUALITÀ

La **GERARDI SPA** garantisce, per un periodo di **5 ANNI**, la buona qualità dei materiali impiegati e la perfetta costruzione su tutta la gamma di morse modulari e cubi portapezzi ad azionamento manuale. Per quanto riguarda i sistemi pneumatici, idraulici e magnetici e teste angolari la garanzia si estende per **12 MESI** mentre per portautensili motorizzati a rotazione meccanica la garanzia si estende per **24 MESI**. Per effetto di questa garanzia, la **GERARDI SPA** si impegna a provvedere alla riparazione o sostituzione di quelle parti che risultassero difettose per impiego di cattivo materiale o per vizio di costruzione, purché dette parti vengano consegnate in ogni caso in porto franco al suo stabilimento. La garanzia non si estende a guasti o rotture derivati da imperizia, trascuratezza o cattivo uso del prodotto da parte dell'acquirente e cessa qualora i pagamenti non vengano effettuati dal compratore alle scadenze convenienti o quando il prodotto venga modificato o riparato dall'utilizzatore. Tutti i prodotti Gerardi sono marchiati e riconoscibili a vista. Su prodotti di dubbia provenienza e non marchiati non sarà riconosciuta nessuna garanzia.

FIRMA



FIRMA

CERTIFICATE OF GUARANTEE



GERARDI GUARANTEE CERTIFICATE OF THE BEST QUALITY OF MATERIAL EMPLOYED

GERARDI SPA guarantees for a period of **5 YEARS** the good quality of materials employed and the perfect construction of the complete range of modular vises and tombstones with manual control. As far as pneumatic, hydraulic and magnetic items and angular heads the warranty extends for **12 MONTHS** while for driven tools with mechanical running the warranty extends for **24 MONTHS**. For this warranty **GERARDI SPA** commits herself to repair or substitute any part which shall result defected by workmanship or for the use of bad quality material only on condition that such parts shall be delivered free port to our factory. This warranty does not extend to breakages arising from unskillfulness or carelessness and negligent use of the items from the buyer side and terminate in case the payments are not made as agreed and when the item shall be modified or repaired by the user. Each Gerardi item has been branded and it is easy recognizable at first sight. On items of uncertain origin and not marked no warranty will be allowed.

SIGNATURE



SIGNATURE

ATTENZIONE - ATTENTION

Le caratteristiche tecniche indicate in questo catalogo non sono impegnative e possono essere modificate senza preavviso

The technical data contained herein are given for information only and are subject to change without notice



CONDIZIONI GENERALI DI VENDITA

1- ORDINAZIONI:

L'importo minimo delle ordinazioni è fissato in Euro 150,00 netto (IVA esclusa). Solo su specifica richiesta del cliente importi inferiori saranno evasi con un addebito fisso di 10,00 euro per spese di gestione.

2- PREZZI:

I prezzi indicati nel seguente listino sono espressi in Euro (IVA esclusa) e sono suscettibili di modifiche senza preavviso. Consigliamo pertanto di indicare sempre nei Vostri ordini il riferimento del listino in Vostre mani (N° / Anno). I listini aggiornati in tempo reale sono disponibili on line www.gerardi.it come anche eventuali Errata Corrige.

Il Costruttore declina inoltre ogni responsabilità per eventuali errori di stampa contenuti in questa pubblicazione

3- PAGAMENTO:

I pagamenti devono essere effettuati nei termini e alle condizioni concordate. In caso di ritardato pagamento, verranno addebitate le spese e gli interessi di mora al tasso bancario corrente maggiorato di due punti.

4- MODIFICHE:

Modifiche di ogni tipo o errori di stampa dei nostri cataloghi o listini non danno diritto a reclami. Le rappresentazioni grafiche non sono impegnative.

5- RESA:

I prezzi si intendono per merce resa franca ns. magazzino in Lurate Pozzolo (VA).

6- IMBALLO:

L'imballo verrà addebitato al costo in caso fosse necessario.

7- TRASPORTO:

La merce viaggia sempre a rischio e pericolo del committente.

8- TERMINI DI CONSEGNA:

La maggior parte degli ordini viene evaso entro le 48 ore successive al ricevimento degli stessi (Il nostro personale addetto avviserà per la conferma del ritiro). I termini di consegna per gli articoli non disponibili in stock sono puramente indicativi e pertanto non vincolanti. Non assumiamo responsabilità alcuna per eventuali ritardi di consegna causati da motivi di forza maggiore.

9- VALIDITA' OFFERTE:

Le offerte sono valide trenta giorni dalla data della loro emissione.

10- RECLAMI:

Ogni particolare ed ogni spedizione è accuratamente controllata, eventuali reclami dovranno pervenire in forma scritta, entro otto giorni dal ricevimento del materiale.

11- GARANZIE:

La precisione, la qualità e le caratteristiche tecniche dei nostri prodotti sono garantite e gli articoli che saranno riconosciuti difettosi, verranno sostituiti gratuitamente, senza che ciò possa dar luogo ad alcun addebito a nostro carico per spese o danni in genere.

Sono esclusi dalla nostra garanzia i pezzi manomessi, modificati, danneggiati per normale logorio, o per uso scorretto.

12- RESI:

Al fine di regolamentare le richieste di RESO PER ERRATA ORDINAZIONE da parte della Clientela, siamo costretti a precisare alcune regole, alle quali preghiamo scrupolosamente di volerVi attenere:
A) Le richieste di reso dovranno pervenire entro 8 giorni dalla data di ricezione della merce.

B) Le richieste, necessariamente scritte, devono attendere la risposta della Gerardi S.p.A. che si riserva la facoltà di accettarle.

C) Nella bolla di reso devono essere riportati gli estremi della fattura o bolla di consegna.

D) Il materiale viaggerà a spese del cliente.

E) Le confezioni dovranno essere integre ed originali.

F) nell'eseguire la nota di accredito verranno trattenuti 15,00 Euro ogni 150,00 Euro del valore del reso stesso per spese di ricolloado e nuovo stoccaggio.

13-GIURISDIZIONE:

Il foro competente in via esclusiva per la risoluzione di qualsivoglia controversia in relazione alla interpretazione e/o esecuzione delle presenti condizioni di vendita sarà quello di Busto Arsizio (VA).

GENERAL SALES CONDITIONS

1- PURCHASE ORDERS:

The minimum order value is Euro 150,00 net. Customers may request a lower minimum order amount on specific items that will be delivered with a fixed charge of 20,00 euro to cover administration expenses.

2- PRICES:

Prices shown on Gerardi Price lists are in Euro and are subject to change without prior notice. When submitting Purchase Orders, please show the Price List reference (Number and Year). Up-dated Price lists are available on-line at www.gerardisp.com The Manufacturer declines all responsibility for any pricing errors contained in these publications.

3- PAYMENT and TERMS:

Standard Payment Terms are strictly Net 30 Days. Should alternative Payment Terms be agreed outside of our Standard Payment Terms, must be agreed in advance of order placement. In case of payment delays, expenses and interest will be charged.

4- CHANGES:

Gerardi S.p.A should be notified immediately if any changes or mistakes are identified within our catalogues or our Price Lists. These changes or mistakes should be notified immediately, but will not entitle a customer to the right to submit claims or complaints. Graphic representations in our catalogues and any marketing materials provide an indicative representation of the products and are not contractually binding. Should a customer require additional information, this should be requested from Gerardi S.p.A

5- FREIGHT AND DUTY:

The Prices quoted in our catalogues and Price lists are Ex-Works, Lurate, Pozzolo, Italy. Freight and Duty will be charged at the applicable rates valid at the time of delivery.

6- PACKING:

Were necessary, any special packaging will be charged at cost

7- LIABILITY:

Goods supplied will be the responsibility of the buyer during transportation

8- DELIVERY:

A) Standard Products:

All incoming Purchase Orders will be acknowledged within 24 hours of receipt. Delivery dates will be confirmed and wherever possible, goods will be shipped within the following working day.

For goods not available from stock, our employees will provide delivery information based on that available from within the Gerardi system. We do not accept any responsibility for delays in delivery due to circumstances that are beyond our control. Partial shipments for Purchase Orders with multiple units can be made. Cancellation of Purchase Orders cannot be made without agreement with Gerardi Spa, requests to cancel a Purchase Order must be made in writing and agreed and approved by Gerardi Spa.

B) Non-Standard or Special Products:

All incoming Purchase Orders for Non-Standard or Special Products will be acknowledged within 48 hours of receipt and delivery dates will be confirmed as soon as practically possible.

Cancellation of Purchase Orders cannot be made without agreement with Gerardi Spa, requests to cancel a Purchase Order for Non-Standard Products must be made in writing and agreed and approved by Gerardi Spa. Any costs incurred at the time of cancellation will be to the customers account.

9- OFFER VALIDITY:

Any complaint regarding shipment of goods from Gerardi S.p.A, must be made in writing within 8 days of receipt of the said goods.

10- COMPLAINT:

Any item and component and each shipment is checked carefully and any possible complaints must be written, within 8 days from goods receiving.

11- GUARANTEES:

All Gerardi spa products carry a 1 Year guarantee. This guarantee covers the performance, accuracy, quality and technical features stated in our catalog. Non-conforming products will be exchanged without charge

or expense for any failure caused by defective work or components, supplied or carried out by Gerardi Spa. Any items or components that have been modified, damaged or suffered fair wear and tear, are excluded from this guarantee.

12- RETURNS POLICY:

The following procedure must be followed when returning goods, regardless of the reason for the return.

A) gerardi spa must receive written notification regarding any goods that are being returned, this notification must be received within 8 days of receipt of the goods. this notification must be sent in writing to gerardi spa.

B) goods should not be returned until gerardi spa has authorized the return and provided a delivery address to which the goods should be sent.

C) when returning goods, details of the invoice and any other relevant information must accompany the goods.

D) goods being returned must be returned free of charge.

E) goods should be returned in the original packaging and be without damage or wear.

F) a total of 10% of the invoiced value of the goods will be deducted from any credit note which gerardi issues, this charge is to cover administration and re-stocking charges only.

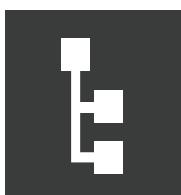
13-JURISDICTION:

Purchasers agree to submit any claim or discussion related to these Standard Conditions of Sale to the relevant and competent Law Courts that will be in Busto Arsizio (VA) Italy whose decision will be final.

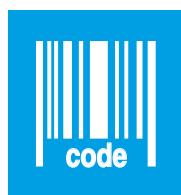


PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



by configurator

Un nuovo modo facile e veloce per ordinare la tua attrezzatura Gerardi

Il nuovo Gerardi estore offre la possibilità di visualizzare e ordinare qualsiasi articolo Gerardi appartenente alle categorie Workholding o Tooling presente sui nostri listini in modo semplice, veloce e completo. Da ora puoi ordinare la morsa, la testa angolare o il motorizzato che ti interessa direttamente on-line dal nostro estore senza costi aggiuntivi.

A new quick and easy way to order your equipment branded Gerardi.

The new Gerardi estore offers the ability to view and order any item available on our Workholding and Tooling catalogues with the easiest, fastest and comprehensive way. You can now order the vise, angle head or driven tool of your interest directly online from our store without any additional cost.



WINDOWS / IOS



ANDROID / IPHONE





IMMERGITI A 360° NEL MONDO GERARDI - 360° EXPERIENCE IN THE GERARDI WORLD



virtual reality



many contents



24h accessible

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WINDOWS / IOS



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La selezione delle attrezzature più particolari realizzate dal nostro ufficio tecnico raccolta e spedita con una serie di newsletter periodiche.

A selection of the best fixtures designed by our technical department and shown on a proper newsletter series titled "Fixture of the Week"

Scopri l'offerta speciale Gerardi rinnovata ogni 6 mesi e contenente molteplici promozioni su una selezione di nostri prodotti.

Find out the Gerardi Special Offers and the many great new products with an unbeatable price / quality ratio!



Una presentazione delle novità tecniche più recenti realizzate da Gerardi e moltissimi contenuti all'interno da scoprire.

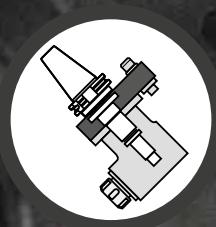
An introduction to the latest technical developments of our technical department with many contents to discover

Aggiorniamo spesso i nostri principali cataloghi e listini Workholding & Tooling, iscriviti per restare sempre informato!

We constantly update our main Workholding and Tooling catalogues and price lists, subscribe to be always up-to-date!



MADE IN ITALY



1



Integral angle heads series!

CLASSIC LINE

Teste Angolari / Angle Heads

INDICE - INDEX

ATC - AUTOMATIC TOOL CHANGE

	pages		pages
LIGHT		GMU	
GL90-7	from 1.10 to 1.13	GMU-13 / 13L	from 1.38 to 1.41
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GL90-16		GMU-20	
GTU-10			
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GM90-3 200		G90-30 2U / 30L 2U	
GM90-3 100			
SLIM		OFFSET	
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G90-20 / 20L / 20L.272		GHIERE RECOOL RECOOL NUTS	
G90-30 / 30L		ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE	
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INDICE - INDEX

MTC - MANUAL TOOL CHANGE

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XL		ACCESSORIES NEW 2024	
G90-S40 XL		OPZIONE REFRIGERANTE INTERNO MODULAR QUICK CHANGE ADAPTORS	
G90-S40 XLxx	from 1.67 to 1.70	OPZIONE USCITA MTC MTC OUTPUT OPTION	NEW
G90-S50		CONI / FLANGE / PROLUNGHE SHANKS / FLANGES / EXTENSIONS	from 1.94 to 1.100
G90-S50 XLxx		ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE	
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GMU-16		PINZE / GHIERE / CHIAVI COLLETS / NUTS / WRENCHES	
GMU-20	from 1.71 to 1.75	CAMBI RAPIDI MODULARI 2.0 MODULAR QUICK CHANGE 2.0	
GMU-S40-125			
GMU-S40			
GMU-S50			

Teste Angolari / Angle Heads

CLASSIC LINE

Cono e Albero Integrali - Integral Shank & Shaft !

from 1.10 to 1.54



SERIE ATC / ATC SERIES

E' la linea di teste adatte ai centri di lavoro, trasportabile automaticamente dal magazzino utensili al mandrino e viceversa. Corpo testa orientabile di 360° su ASSE MANDRINO. Quando la testa non è in posizione di lavoro, un sistema di aggancio impedisce la rotazione del cono rispetto al corpo testa. Una caratteristica primaria delle teste Classic - ATC è l'albero centrale realizzato in un solo pezzo con il cono di attacco, per offrire la massima rigidità. Recentissima novità è il perno di fermo intercambiabile.

This range of heads is designed to be used on machining centres and can be automatically transferred from the tool magazine to the machine spindle and back. Angle head body adjustable at 360° on SPINDLE AXIS. This allows easy adjustment of the drive taper and head relative to arrester block mounted on the front of the machining centres' spindle housing. When the head is unloaded from the machine spindle, a safety latch prevents the drive taper from rotating. A major feature of the Classic ATC heads is the main input shaft which is integral with the drive taper to ensure maximum rigidity. The last news is the interchangeable positioning pin.



from 1.57 to 1.88



SERIE MTC / MTC SERIES

E' la linea di teste adatte a macchine utensili tradizionali e da fissare al mandrino tramite flangiatura. La cava a "T" ricavata sulla flangia universale permette un facile posizionamento del corpo testa sui 360° intorno al suo asse verticale. Un sistema modulare componibile, rende possibile variare la lunghezza del corpo testa aggiungendo l'elemento di prolunga. Modulo di prolunga, coni e flangia universale sono modulari e quindi intercambiabili su tutti i corpi testa appartenenti allo stesso ordine di grandezza.

This is a range of heads for traditional machine tools with flange attachment. The T-slot on the universal flange facilitates positioning the head 360° around its vertical axis. The modular system makes it possible to extend the length of the body by adding a spacer. The extension spacer, drive tapers and universal flange are modular and therefore interchangeable among all the heads of similar size.



Velocità / High-speed
10.000 Rpm



Internal coolant
fino a / Up to
70Bar

Albero & Cono Integrale Integral Shank & Shaft

Albero con cono di attacco integrato (cementato, temprato e rettificato) per garantire la massima rigidità. Intercambiabili per un utilizzo su più centri di lavoro.

Main shaft is one solid piece with the drive input taper, case hardened and ground, to ensure maximum rigidity. They are interchangeable to fit any machine spindle



Cuscinetti ABEC 9 ABEC 9 Ball Bearings

Ciascun albero di trasmissione è supportato da una coppia di cuscinetti a contatto obliqui, precaricati in classe di precisione ABEC 9 e lubrificati con grasso a vita

Shafts supported by sets of super precision pre-loaded angular contact bearings with Long Life grease lubrication and ABEC 9 accuracy rating



Corpo Principale Main Body

Corpo testa orientabile a 360° con pressurizzazione interna. In acciaio trattato, massima rigidità e resistenza alla corrosione. Minima dilatazione termica

Treated steel head body with 360° position and internal air pressure, maximum rigidity and corrosion resistant. Minimum thermal expansion



Ingranaggi Gleason Gleason Gears

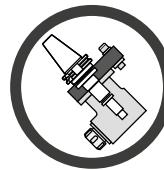
Ingranaggi conici spiroidali in materiale ad alta resistenza, rettificati per garantire minore riscaldamento e rumorosità ed elevato numero di giri. Calcolo computerizzato della coppia conica degli ingranaggi (gleason): più denti in presa, più coppia in uscita, maggior numero di ore di lavorazione, rumorosità quasi assente.

Ground spiral bevel gears in the highest performance materials able to guarantee less warming and noise and the highest Rpm. Computerized computation of the data of the set gears more than one tooth working during mesh, more power transmitted, longer gear life, almost no noise

In continuo sviluppo, la gamma di teste Classic Line, è oggi composta da 252 modelli completamente compatibili con la Linea Evolution e con qualunque macchina sul mercato grazie all'ampia gamma di coni disponibili. L'obiettivo è sempre lo stesso: Ottimizzare i cicli, semplificare e migliorare sempre di più la qualità di qualsiasi tipo di lavorazione su centri orizzontali & verticali. Le Teste Angolari Gerardi della linea Classic nascono da solide basi tecniche e dall'esperienza maturata da oltre 50 anni trascorsi al fianco dei nostri clienti durante i quali abbiamo risolto i problemi più variegati cercando la soluzione migliore e garantendo sempre l'elevata qualità ed affidabilità dei nostri prodotti.

The Classic Line Angle Heads range is constantly evolving and it currently consists of 252 items, all compatible with both Evolution Line Angle Heads and all machining centres on the market thanks to the wide range of shanks available. Our goal is always the same: optimizing the production chain by simplifying and improving more and more every type of operation on horizontal and vertical machining centres. The new Classic line of Gerardi angle heads has been designed from a technical base derived from more than 50-years-experience in solving thousands of production problems, finding optimum solutions and always guaranteeing the highest product quality.

SCAN IT TO SEE



THE WEB PAGE

1

Linea di teste angolari integrali! Integral angle heads series!



Uscite regolabili GMU GMU Adjustable output



Operazioni orizzontali, verticali e angolari con una sola testa. Uscita completamente regolabile con angolazione $\pm 90^\circ$

Vertical, horizontal and angular machining operations with one angle head only. Fully adjustable output $\pm 90^\circ$



Manipoli ad Angolo
90° Angle Spindle

PASSAGGIO REFRIGERANTE - COOLANT TYPES:



Novità / News

Classic Line

Nuovi Modelli di Teste Angolari Integrali

New Types of Integral Angle Heads



MINI 90°[°]_{SERIES}

La nuova serie di teste angolari con manipolo ad angolo intercambiabile per lavorazioni con utensile da Ø1,6 a Ø3
New series of angle heads with interchangeable angle spindle for machinings with Ø1,6 to Ø 3



EXTENDED[°]_{SERIES}

La serie di teste angolari EXTRA LUNGHE con torretta riportata.
New EXTENDED series angle heads with reported turret.



SLIM[°]_{SERIES}

Nuovo modello di testa standard a 90° per
MICRO lavorazioni in ingombri minimi
New standard 90° head type for MICRO
machining in minimum overall spaces



OFFSET[°]_{SERIES}

Nuova gamma di teste disassate con refrigerante
interno fino a 70bar.
New offset heads range with internal coolant up to 70 bar.

Esempi applicativi / Applications examples

Linea Classic

Teste angolari integrali serie ATC (Cambio utensile automatico)

Integral angle heads ATC series (Automatic tool change)



MINI 90° SERIES

La nuova serie di teste angolari con manipolo ad angolo intercambiabile per lavorazioni in ingombri minimi
New series of angle heads with interchangeable angle spindle for machining in minimum overall spaces



EXTENDED SERIES

La serie di teste con torretta riportata ideale per fresature, forature e maschiature in profondità.
The angle head series with reported turret for deep milling, drilling and tapping.



COOLANT SERIES

La serie di teste angolari con passaggio refrigerante diretto dal mandrino, uscita utensile fino a 70bar
Angle heads series with coolant input directly from machine spindle and output through the tool up to 70bar



GMU SERIES

La serie di teste angolari con angolazione regolabile da 0 a 90°. Spina di posizionamento rapido (Step 15°)
Angle heads series with adjustable angle from 0 to 90°. Quick positioning pin (Step 15°)



DOUBLE SERIES

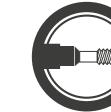
La serie di teste angolari ideali per fresature, forature e maschiature attraverso 2 mandrini contrapposti di 180°
Angle Heads series for milling drilling and tapping through 2 opposite outputs



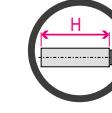
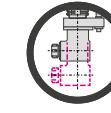
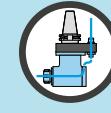
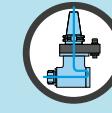
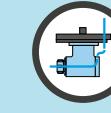
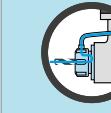
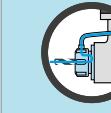
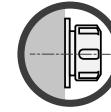
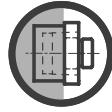
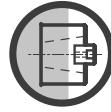
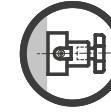
OFFSET SERIES

Testa angolari disassate per lavorazioni in spazi ristretti con opzione passaggio refrigerante dal cono, uscita utensile 70 BAR
Offset series for machining in narrow spaces with coolant input directly from machine spindle and output through the tool at 70 BAR

SIMBOLOGIA DATI TECNICI TECHNICAL DATA LOGOS

							
Rapporto trasmmissione Ratio	Numero di giri Revolutions per minute Rpm	Carico assiale Axial load N	Coppia Torque Nm	Peso Weight Kg	Uscita Output Ø	Maschio Tapping M	Pinza Collet Ø

INDICE OPZIONI OPTIONS INDEX

OPZIONI OPTIONS							
	Manipolo ad angolo Angular chuck	Alta velocità High speed	Spina per posizionamento rapido Quick positioning pin	Prolunga per manipolo ad angolo Extension for angular chuck	Lunghezze speciali Special lenght	Flangia Multipoint Multipoint flange	
PASSAGGIO REFRIGERANTE COOLANT							
	Attaverso il perno Through the Pin 10bar (standard)	Perno » Distrib » Utensile Pin » Distributor » Tool 10bar	Cono » Distrib » Utensile Shank » Distributor » Tool 30 / 40 / 70bar	Distributore » Utensile Distributor » Tool 10bar	Perno » Ghiera » Utensile Pin » Distrib » Tool ReCool NUT	 	
USCITA OUTPUT							
	Uscita ER ER output	Uscita HSK HSK output	Uscita ISO ISO output	Uscita portafresa Shell mill holder output	Uscita WELDON WELDON output	Uscita C. C. output	Doppia uscita Double output

ATC SERIES

AUTOMATIC TOOL CHANGE



INGRANAGGI - GEARS

Ingranaggi Gleason con evolvente rettificato massime performances e minori vibrazioni

Gleason ground spiral bevel gears maximum performances and minimum vibration



STOP BLOCK

Con bussola cementata e guarnizione

With case hardened bushing and gasket



CUSCINETTI - BEARINGS

Cuscinetti a sfera a contatto obliquo in classe di precisione ABEC 9

Angular contact preloaded ball bearings of precision class ABEC 9

DESIGN

Il Design compatto, insieme alle specifiche descritte, consente: alte performances, elevate velocità, lunga durata degli utensili.

The Compact design, along with mentioned specifications, allows: highest performances, high speeds, long tools life

Albero integrale con cono cementato, temprato, rettificato

Integral case hardened and ground shank and shaft

Gruppo antirotante modulare
Modular antirotation group

Anello graduato
Graduated ring

Perno di riferimento con sbloccaggio automatico del porta utensile

Positioning pin with automatic tool release

Passaggio refrigerante 10BAR attraverso il perno

Standard 10BAR coolant through the pin

USCITE - OUTPUTS:

- Portapinza ER (standard)

- Weldon
- Portafresa
- Speciale

- ER collet (standard)

- Weldon
- Shell mill holder
- Special

Corpo testa orientabile a 360° con pressurizzazione interna.

In acciaio trattato, massima rigidità e resistenza alla corrosione.

Minima dilatazione termica.

Treated steel head body with 360° position and internal air pressure, maximum rigidity and corrosion resistant.

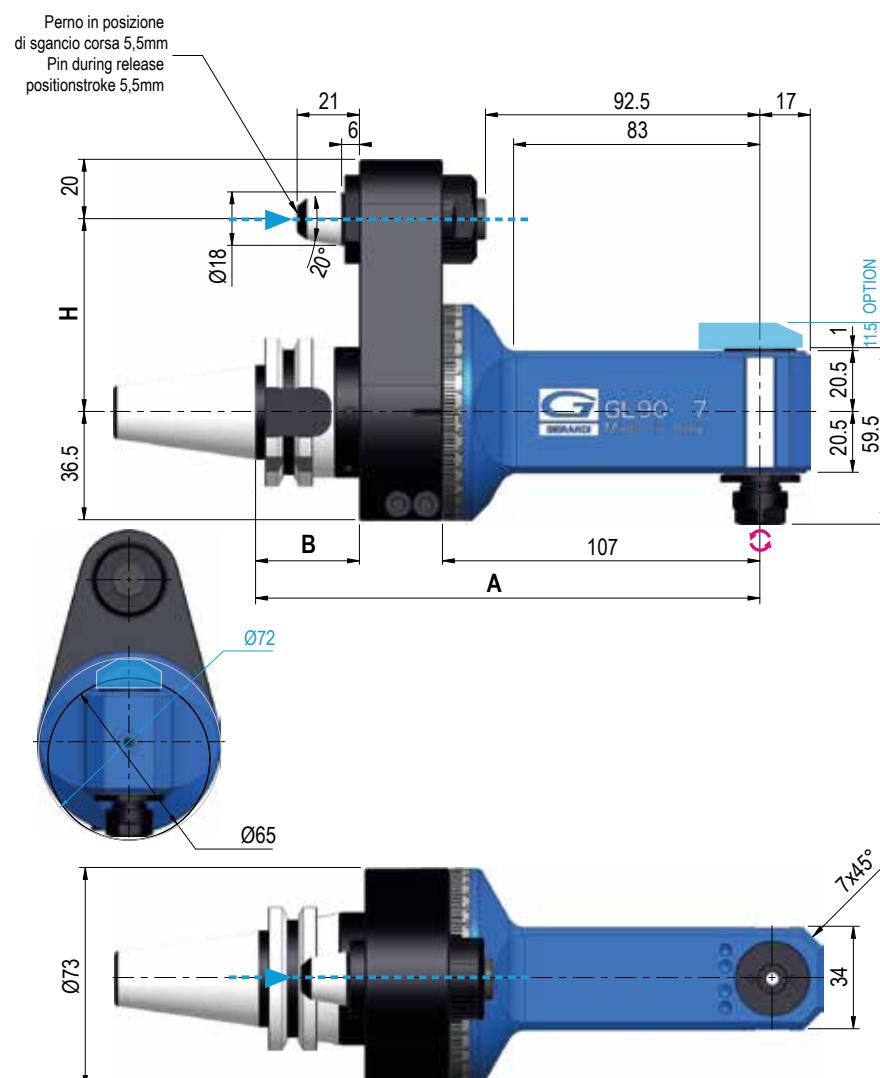
Minimum thermal expansion.

Ciascun albero di trasmissione supportato da cuscinetti a contatto obliqui, che garantiscono rotazioni dell'albero-cono e dell'uscita portautensile entro 0,01 mm
Each transmission shaft is supported by slanting bearings that ensure the shaft with shank and the toolholder output rotations within 0,01mm.

GL90-7
TYPE 0

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 30 Kg 2,2 ISO / BT 40 Kg 2,7
	Rpm 10.000		Ø 7
	N 120		M 6
	Nm 5		ER11 Ø1/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893
Grandezza - Size	30	40	40	30	40	63		
Dual contact (Optional)								
H Standard	65 / 80	65 / 80	65 / 80	65 / 80	65 / 80	65 / 80		
Optional 110								
A	170	170	170	165	170	177		
B	35	35	35	30	35	42		

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 5,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

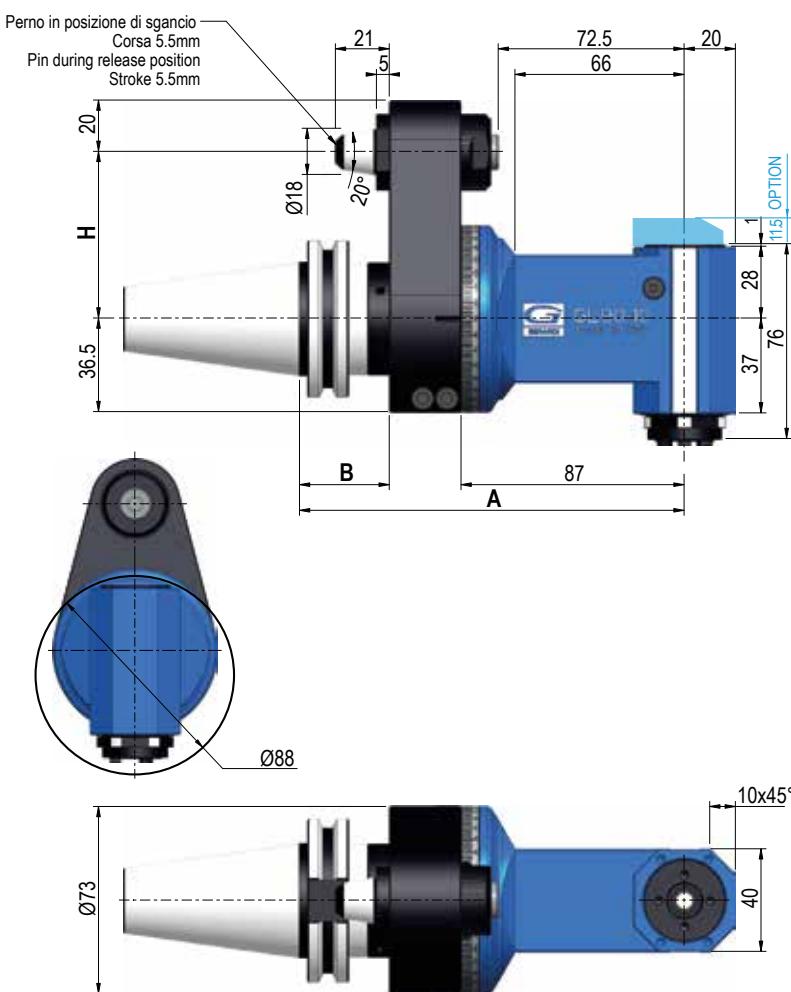
Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
OUTPUT - Weldon Max Ø6

DOUBLE OUTPUT - ER11 - ER 8M


GL90-10

TYPE 0


Dati tecnici - Technical data
Ratio
1:1ISO / BT 40
Kg 2,4
ISO / BT 50
Kg 2,9Rpm
10.000

Ø 10



N 250



M 8



Nm 10

ER16
Ø1/10

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893
Grandezza - Size	30	40		40	30	40		63
Dual contact (Optional)								
H Standard	65 / 80	65 / 80		65 / 80	65 / 80	65 / 80		65 / 80
H Optional 110								
A	150	150		150	145	150		157
B	35	35		35	30	35		42

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 6Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - Dry running YES

OUTPUT - Weldon Max Ø12

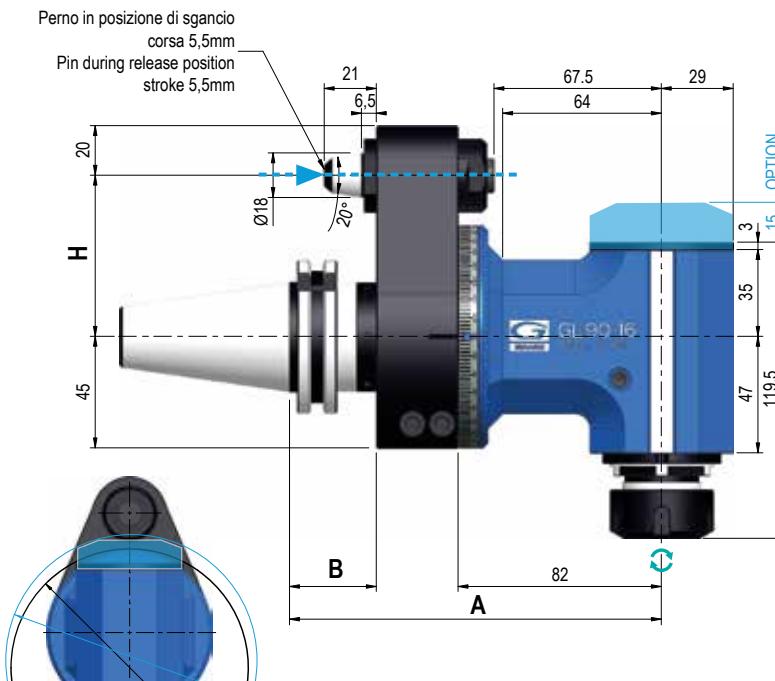
OUTPUT - Shell mill holder Ø13**OUTPUT** - ER20**DOUBLE OUTPUT** - ER11 - ER 8M

GL90-16

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 4,3 ISO / BT 50 Kg 7,2
	Rpm 8.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5
Dual contact (Optional)										C6
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80
H Optional 110										80
A	150	150	150	150	150	156	157	157	160	153
B	35	35	35	35	35	41	42	42	45	38
										155

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

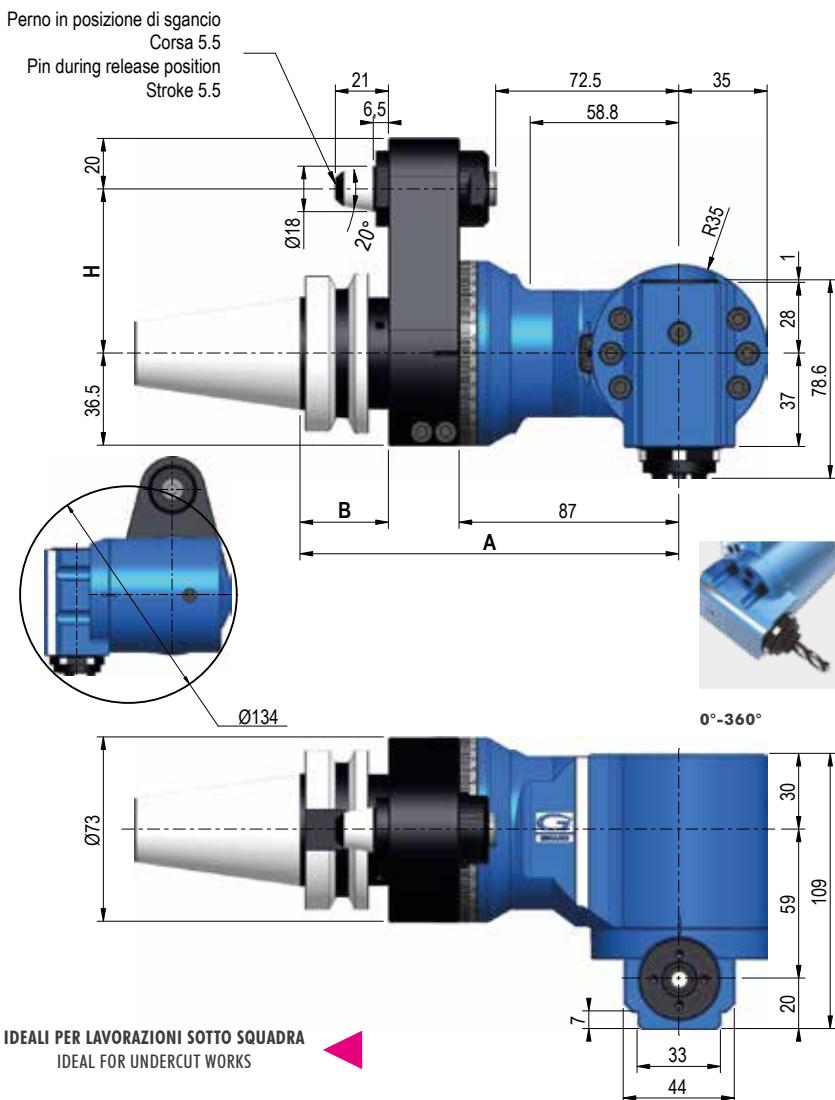
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Shank through Max 40bar - 4000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER32
DOUBLE OUTPUT - ER25 - ER 16M

OUTPUT - Weldon Max Ø16


GTU-10

TYPE 0

**Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT40 Kg 3,8
	Rpm 6.000		Ø 10
	N 250		M 8
	Nm 10		ER16 Ø1/10



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	150	150	150	150	150	145	150	156	157	157	160	173	173	175
B	35	35	35	35	35	30	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 8000 Rpm

QUICK POSITIONING - Customized Angles

OUTPUT - Weldon Max Ø12

OUTPUT - ER20

GM90-3 300S TYPE 1



**NEW
2024**

Corpo - Body

MFC - 300S

Dati tecnici - Technical data

Reducion Ratio 1:1

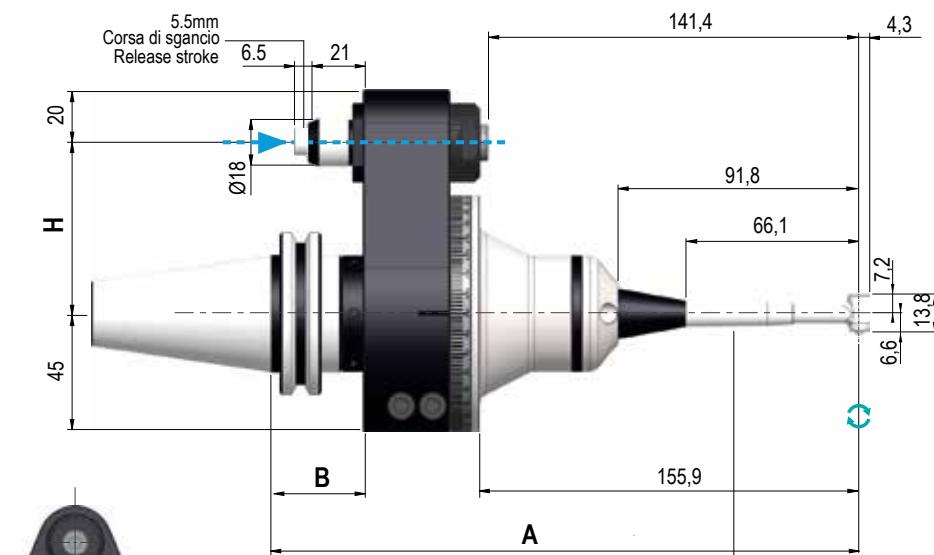
Kg 3,6

Rpm 15.000

Ø 1,6 Max

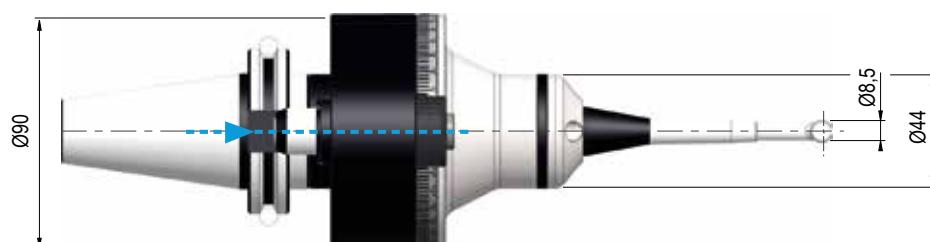
Nm 1

K252 Ø1,6



MANIPOLO ad ANGOLO
90° ANGLE SPINDLE
MFC - 300 S

IDEALI PER SVASATURE E SBAVATURE
IDEAL FOR COUNTERSINKING AND SNAGGING



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
Optional 110														
A	223,8	223,8	223,8	223,8	223,8	223,8	223,8	229,8	230,8	230,8	233,8	226,8	226,8	228,8
B	35	35	35	35	35	35	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio
Tubetto di grasso / Libro istruzioni / Pinza K252 Ø1,6mm
Special bag / Stop block / ER nut / Wrenches / Grease tube
Instruction book / K252 Ø1,6mm collet

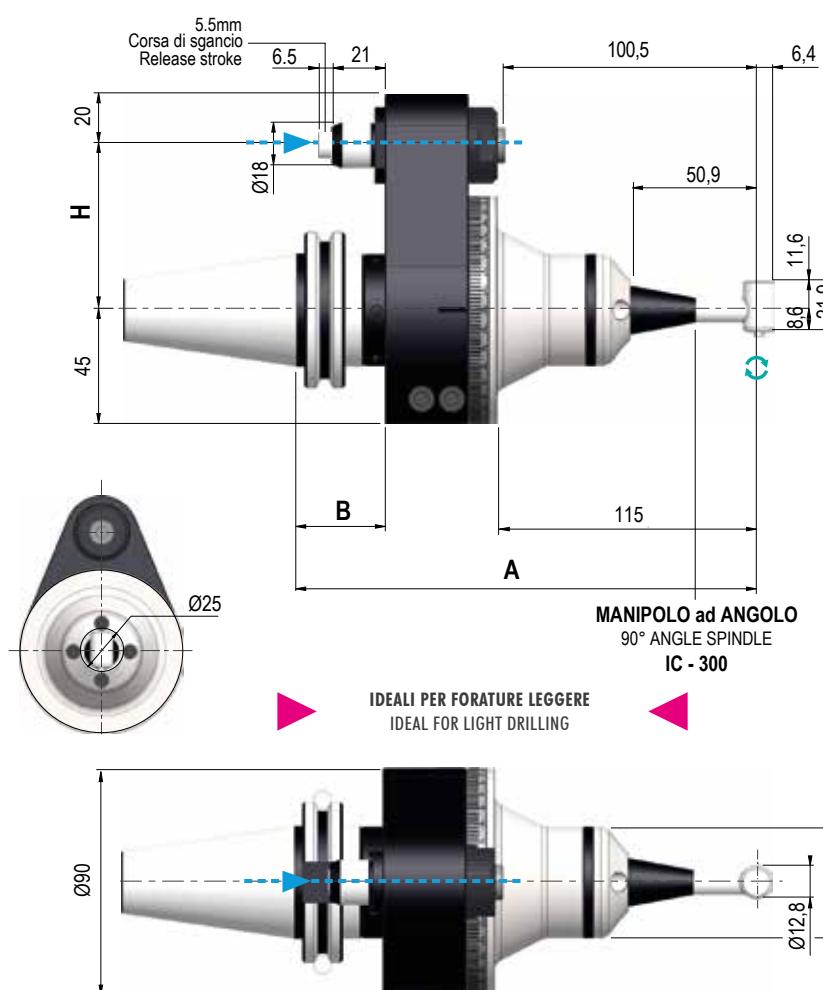
OPZIONI - OPTIONS

MANIPOLO - 90° ANGLE SPINDLE - RA-100

MANIPOLO - 90° ANGLE SPINDLE - IC-300

MANIPOLO - 90° ANGLE SPINDLE - RA-200

PROLUNGA - EXTENSION - CN-01 H=50,1 mm


GM90-3 300

TYPE 1

**NEW
2024**


Corpo - Body

IC - 300

Dati tecnici - Technical data

	Reduction Ratio 3/4		Kg 3,58
	Rpm 15.000 / 11.250		Ø 3,175 Max
	Nm 1		CHC Ø 1,6-3,175



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	183	183	183	183	183	183	183	189	190	190	193	186	186	188
B	35	35	35	35	35	35	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni / Pinza CHCØ3/2,35mm
 Special bag / Stop block / ER nut / Wrenches / Grease tube
 Instruction book / CHCØ3/2,35mm collet

OPZIONI - OPTIONS
MANIPOLO - 90° ANGLE SPINDLE - RA-100
MANIPOLO - 90° ANGLE SPINDLE - MFC-300 S
MANIPOLO - 90° ANGLE SPINDLE - RA-200
PROLUNGA - EXTENSION - CN-01 H=50,1 mm

GM90-3 200

TYPE 1


**NEW
2024**

Corpo - Body

RA - 200

Dati tecnici - Technical data

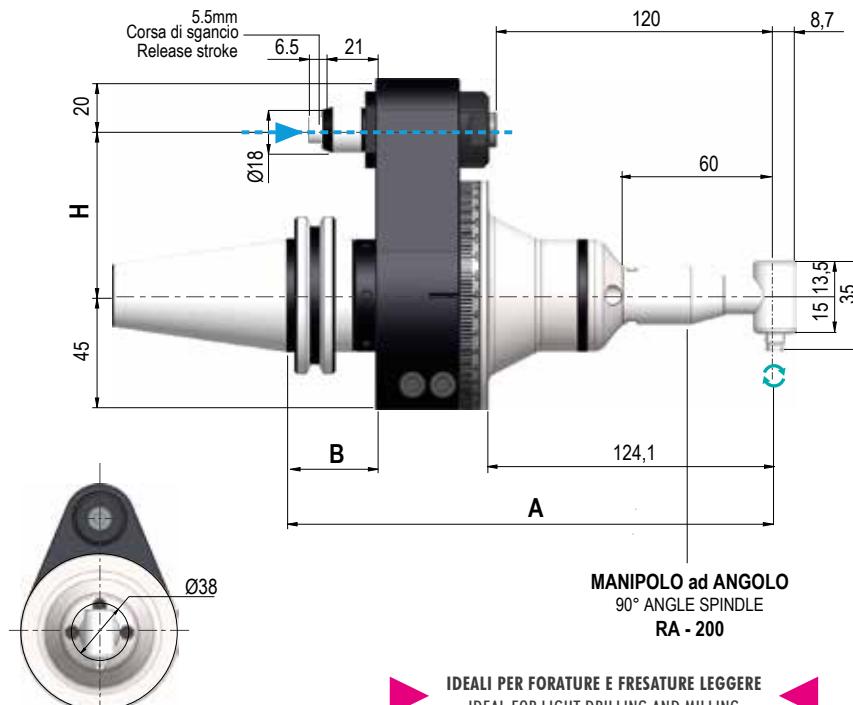
 Reducion
Ratio
1:1,5

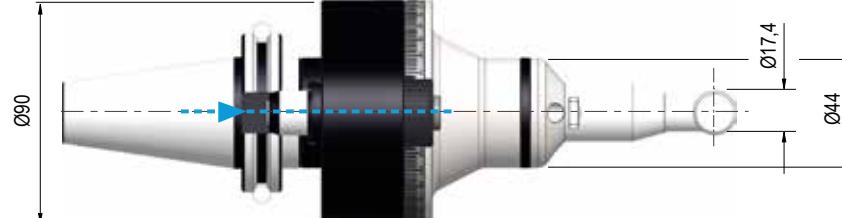
Kg
Kg 3,7

 Rpm
15.000 /
10.000

Ø 3,175
Max


Nm 4

 CHS: Ø
0,8-3,175

MANIPOLO ad ANGOLO
 90° ANGLE SPINDLE
 RA - 200

IDEALI PER FORATURE E FRESATURA LEGGERE
 IDEAL FOR LIGHT DRILLING AND MILLING


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8
Dual contact (Optional)					
H Standard	65 / 80	65 / 80	80	65 / 80	65 / 80
H Optional 110					
A	192	192	192	199	195
B	35	35	35	42	38

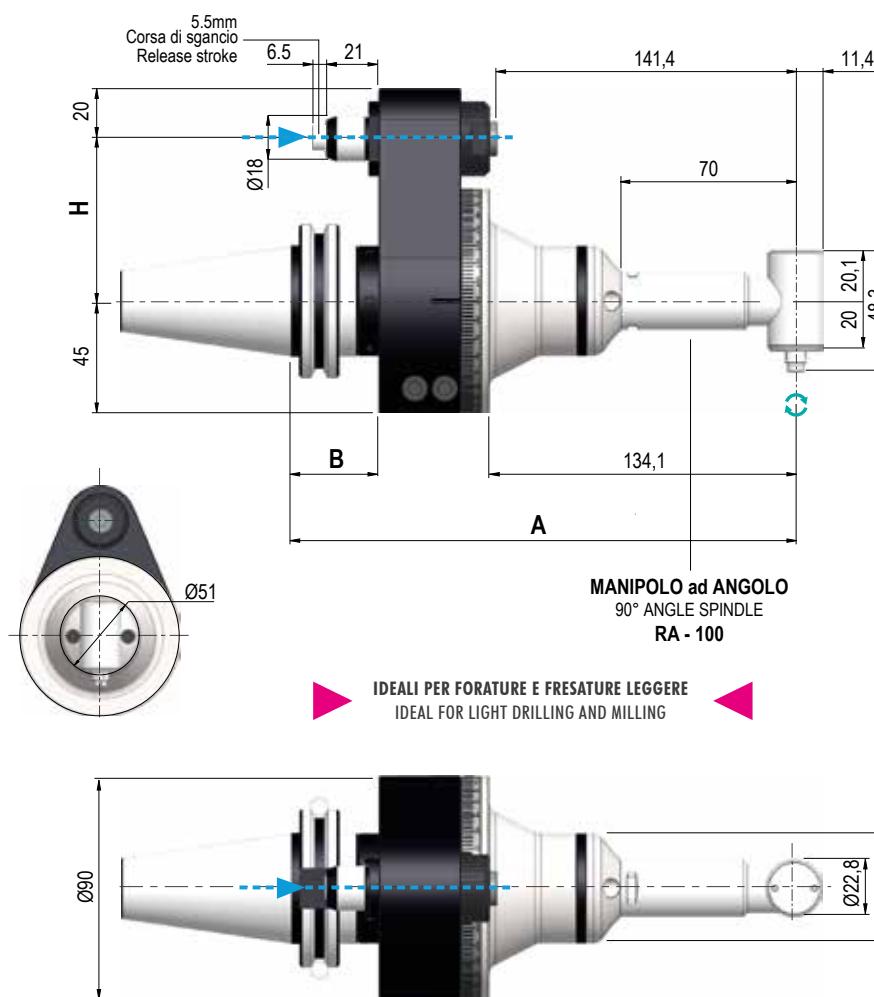
IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni / Pinza K252 Ø1,6mm
 Special bag / Stop block / ER nut / Wrenches / Grease tube
 Instruction book / K252 Ø1,6mm collet

OPZIONI - OPTIONS
MANIPOLO - 90° ANGLE SPINDLE - RA-100
MANIPOLO - 90° ANGLE SPINDLE - MFC-300 S
MANIPOLO - 90° ANGLE SPINDLE - IC-300
PROLUNGA - EXTENSION - CN-01 H=50,1 mm



GM90-3 100

TYPE 1

**NEW
2024**


Corpo - Body

RA - 100

Dati tecnici - Technical data

	Reduction Ratio 1 / 2,67		Kg 3,8
	Rpm 15.000 / 5.620		Max Ø3,175
	Nm 4		CH8: Ø 0,8-3,175



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
Optional 110														
A	202	202	202	202	202	202	202	208	209	209	212	205	205	207
B	35	35	35	35	35	35	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg

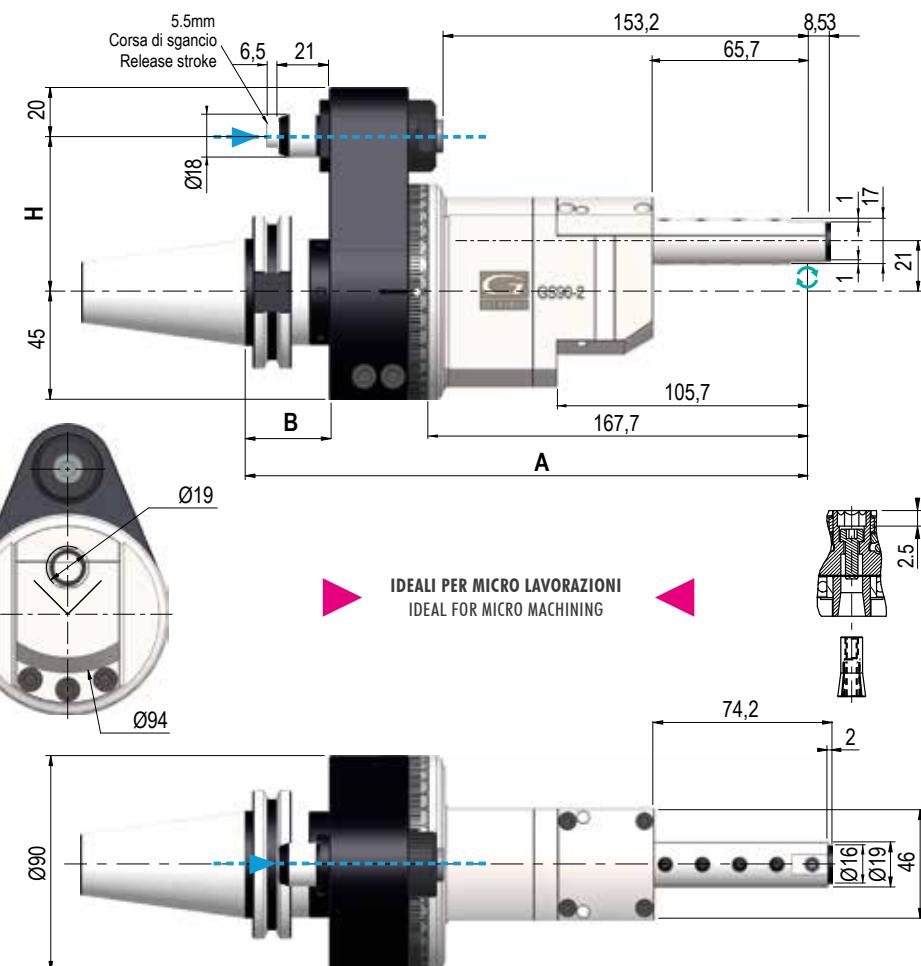

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni / Pinza CH8Ø3mm
 Special bag / Stop block / ER nut / Wrenches / Grease tube
 Instruction book / CH8Ø3mm collet

OPZIONI - OPTIONS
MANIPOLO - 90° ANGLE SPINDLE - RA-200
MANIPOLO - 90° ANGLE SPINDLE - MFC-300 S
MANIPOLO - 90° ANGLE SPINDLE - IC-300
PROLUNGA - EXTENSION - CN-01 H=50,1 mm

GS90-2

TYPE 1

**Dati tecnici - Technical data**

Ratio 1:2,475

ISO / BT40 Kg 4,96

Rpm 12.000

Ø 2,5

Nm 1.6

GS90-2 Ø1/2,5

Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8
Dual contact (Optional)					
H Standard	65 / 80	65 / 80	80	65 / 80	65 / 80
H Optional 110					
A	235,7	235,7	235,7	241,7	242,7
B	35	35	35	41	42
				245,7	238,7
				238,7	240,7
				38	38
				40	

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8Kg

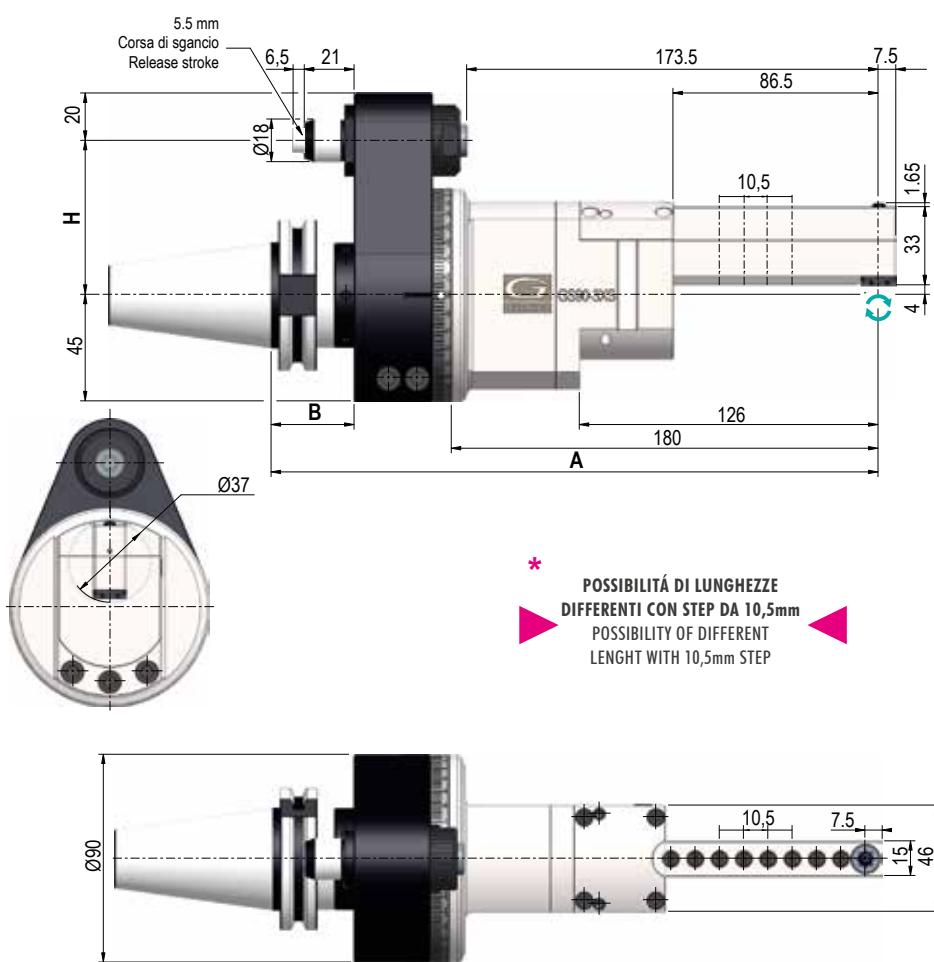
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLETS GS90-2 Ø1 - 1,5 - 2 - 2,5**


GS90-3XS

TYPE 1

**NEW
2024**

Dati tecnici - Technical data

	Ratio 1:3.19		Kg 5,34
	Rpm 10.000		Ø 3,5
	Nm 2.3		GS90-3XS Ø2/3,5



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	256	256	256	256	256	251	256	262	263	263	266	259	259	261
B	35	35	35	35	35	30	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

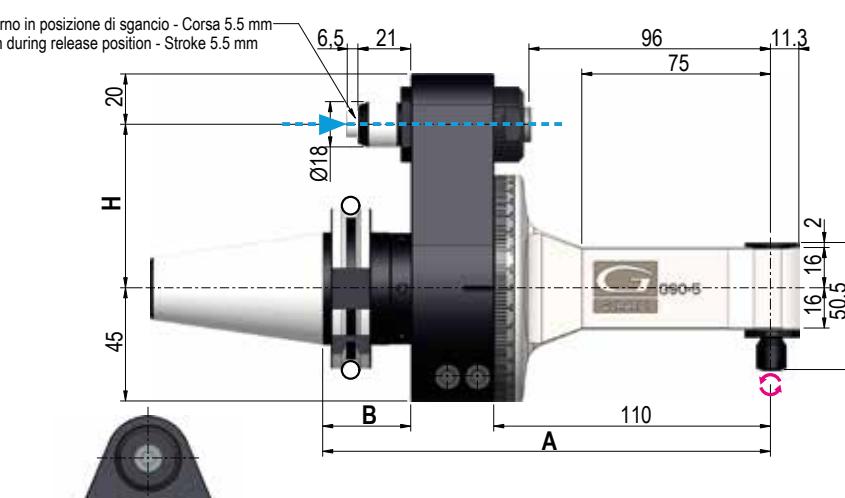
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLETS GS90-3XS Ø2 - 2,5 - 3 - 3,5

G90-5

TYPE 1


 Perno in posizione di sgancio - Corsa 5.5 mm
 Pin during release position - Stroke 5.5 mm

Dati tecnici - Technical data

 Ratio
1:1

 ISO / BT 30
Kg 4
ISO / BT 40
Kg 3.7

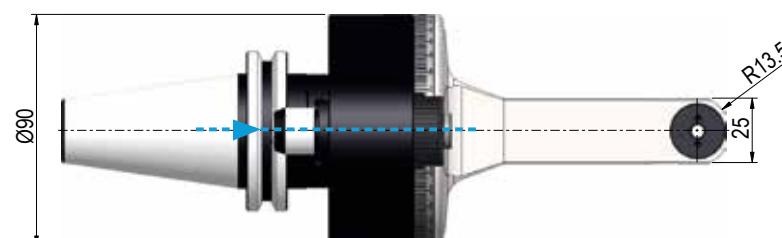
 Rpm
10.000

Ø 5

N 60

M 4

Nm 4

 ER8
Ø0,5/5


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8
Dual contact (Optional)					
H Standard	65 / 80	65 / 80	80	65 / 80	65 / 80
H Optional 110					
A	178	178	178	178	181
B	35	35	35	41	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg

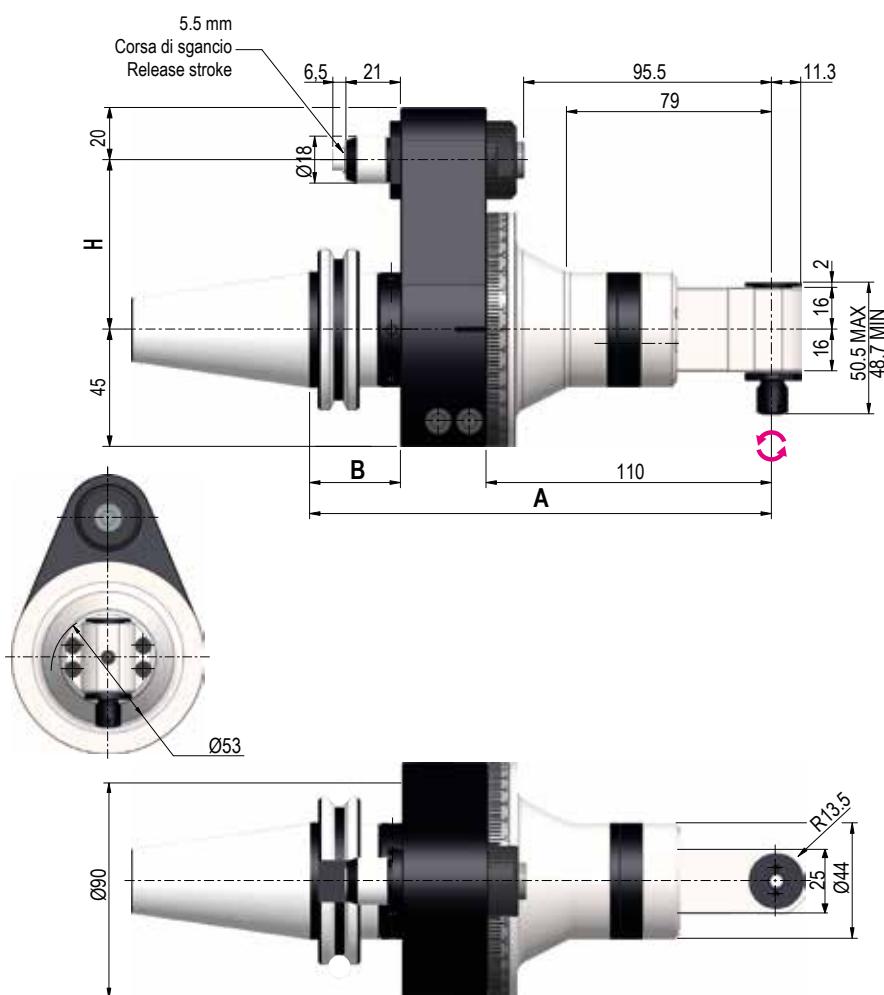

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - WELDON MAX Ø6


GM90-5

TYPE 1

**NEW
2024****Dati tecnici - Technical data**

	Ratio 1:1		Kg 3,84
	Rpm 10.000		Ø 5
	N 60		-
	Nm 4		ER8 Ø 0,5/5



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5 C6 C8
Dual contact (Optional)										
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80 80
H Optional 110										
A	178	178	178	178	178	184	185	185	188	181 181 183
B	35	35	35	35	35	41	42	42	45	38 38 40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

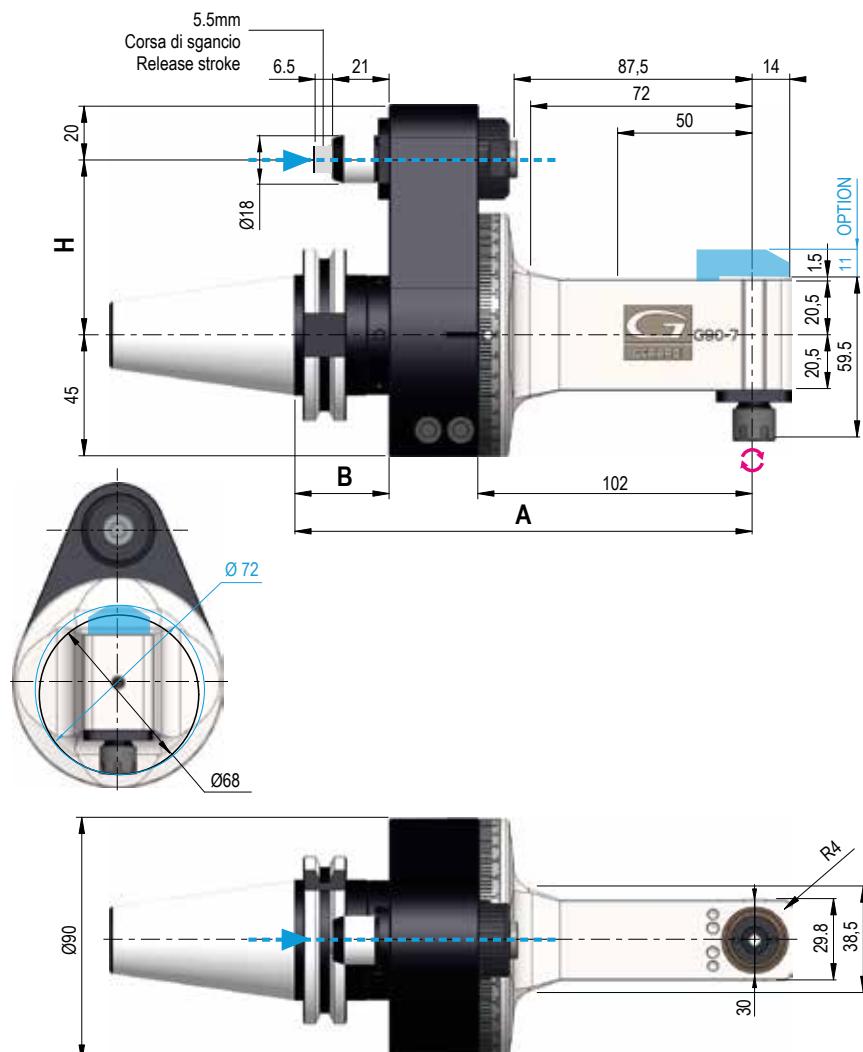
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**OUTPUT - WELDON MAX Ø6**

G90-7
TYPE 1

Dati tecnici - Technical data

	Ratio 1:1		Kg 4
	Rpm 10.000		Ø 7
	N 120		M 6
	Nm 5		ER11 Ø1/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	170	170	170	170	170	170	170	176	177	177	180	173	173	175
B	35	35	35	35	35	35	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
OUTPUT - Weldon Max Ø8

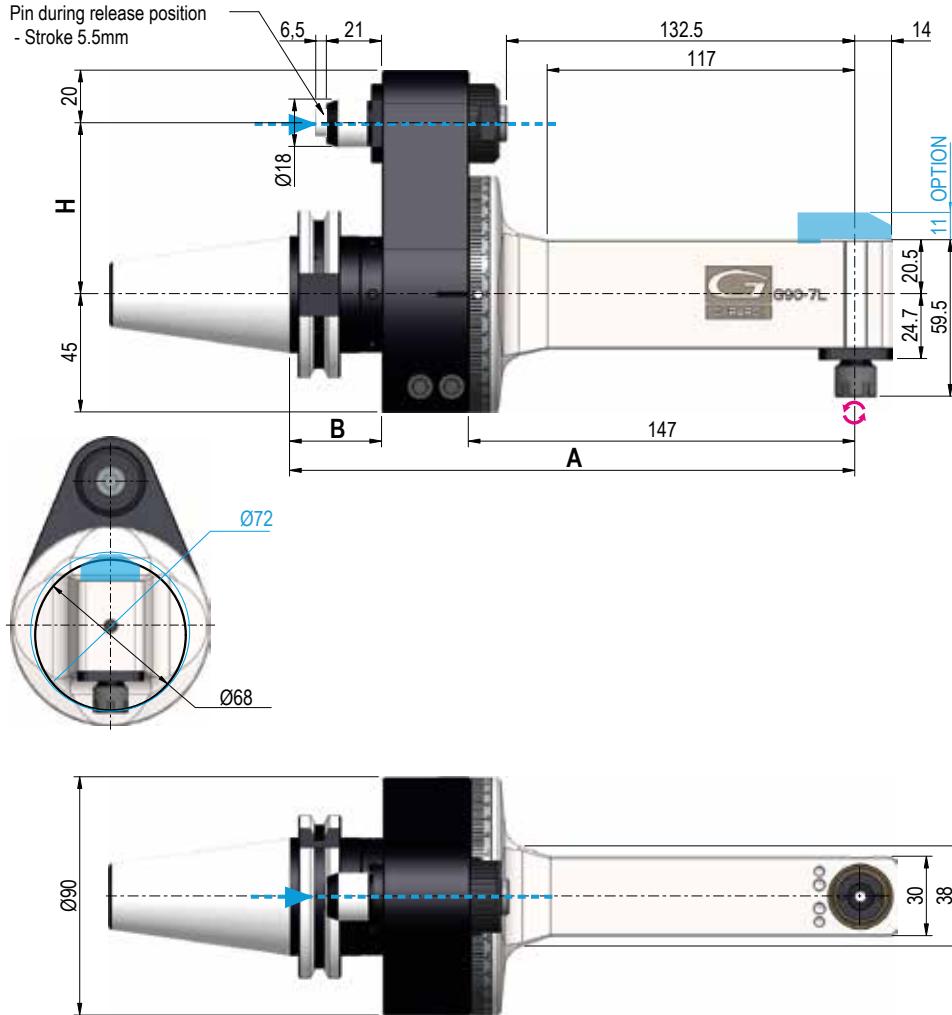
DOUBLE OUTPUT - ER11 - ER 8M

Perno in posizione di sgancio

- Corsa 5.5mm

Pin during release position

- Stroke 5.5mm


G90-7L

TYPE 1


Dati tecnici - Technical data

 Ratio
1:1


Kg 4,3


 Rpm
10.000


Ø 7



N 120



M 6



Nm 5


 ER11
Ø1/7


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30	40	50	40	50
	30	40	50	30	40
Dual contact (Optional)					
H Standard	65 / 80	65 / 80	80	65 / 80	65 / 80
H Optional 110					
A	215	215	215	215	215
B	35	35	35	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
OUTPUT - Weldon Max Ø8

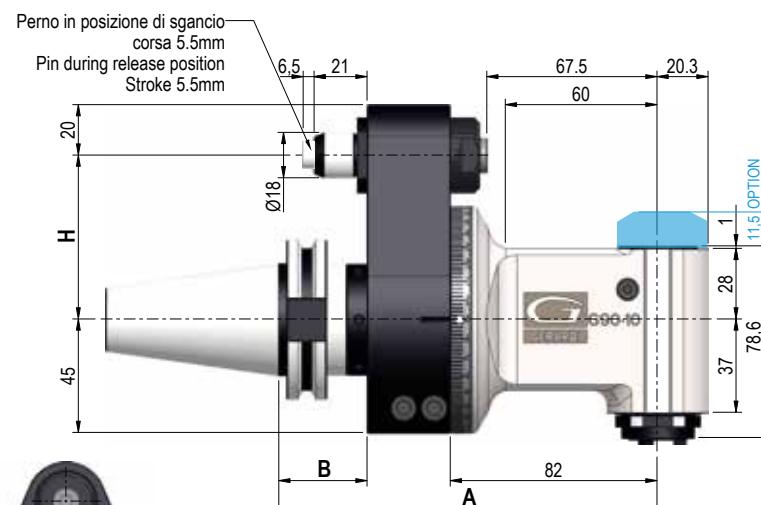
DOUBLE OUTPUT - ER11 - ER 8M

G90-10

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 4,3
	Rpm 10.000		Ø 10
	N 250		M 8
	Nm 10		ER16 Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8
Dual contact (Optional)					
H	Standard 65 / 80 65 / 80 80 65 / 80 80 65 / 80 65 / 80 80 65 / 80 80 65 / 80 65 / 80 80				
H	Optional 110				
A	150 150 150 150 150 145 150 156 157 157 160 153 153 155				
B	35 35 35 35 35 30 35 41 42 42 45 38 38 40				

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

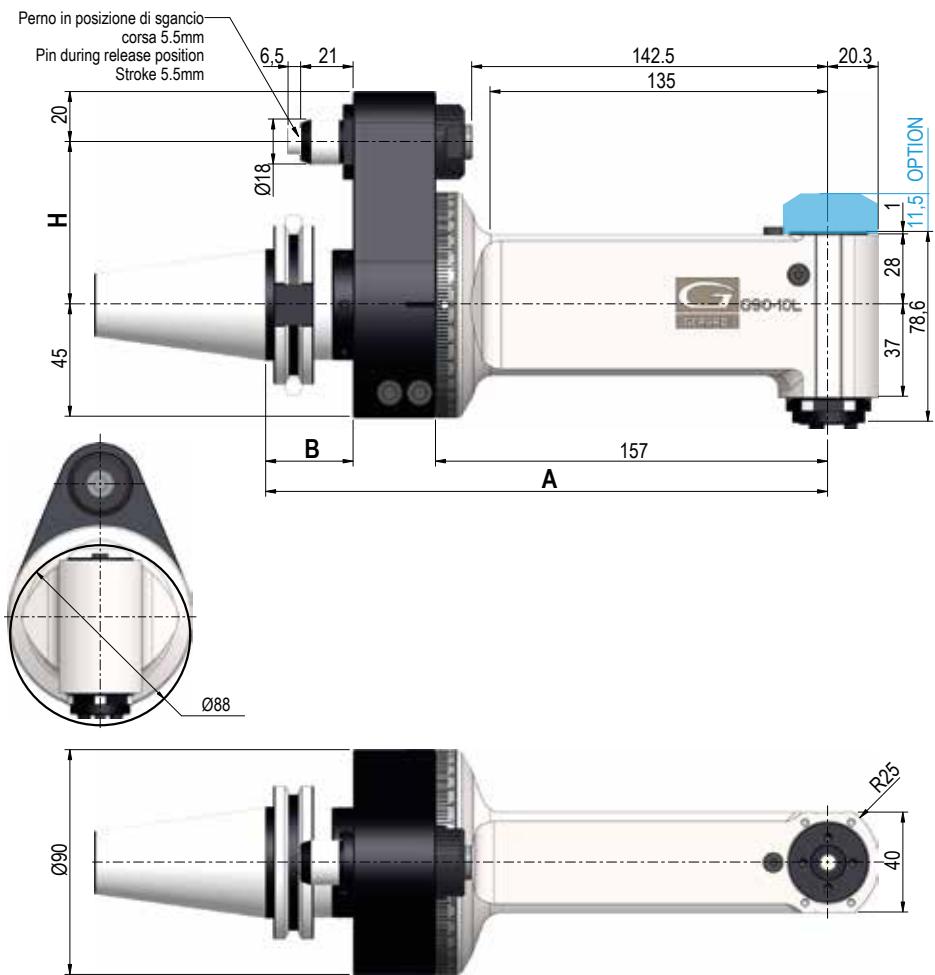
OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 6000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER20
DOUBLE OUTPUT - ER16 - ER 11M

OUTPUT - Weldon Max Ø12

G90-10L

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 5,2
	Rpm 10.000		Ø 10
	N 250		M 8
	Nm 10		ER16 Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	225	225	225	225	225	225	225	231	232	232	235	228	228	230
B	35	35	35	35	35	35	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 6000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER20
DOUBLE OUTPUT - ER16 - ER 11M

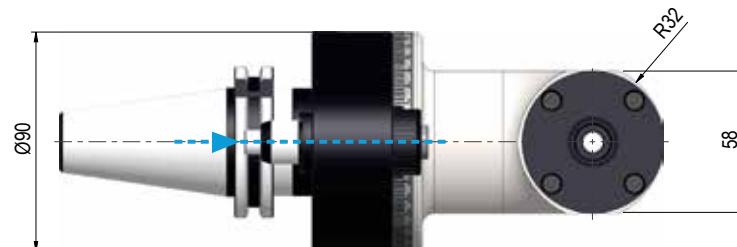
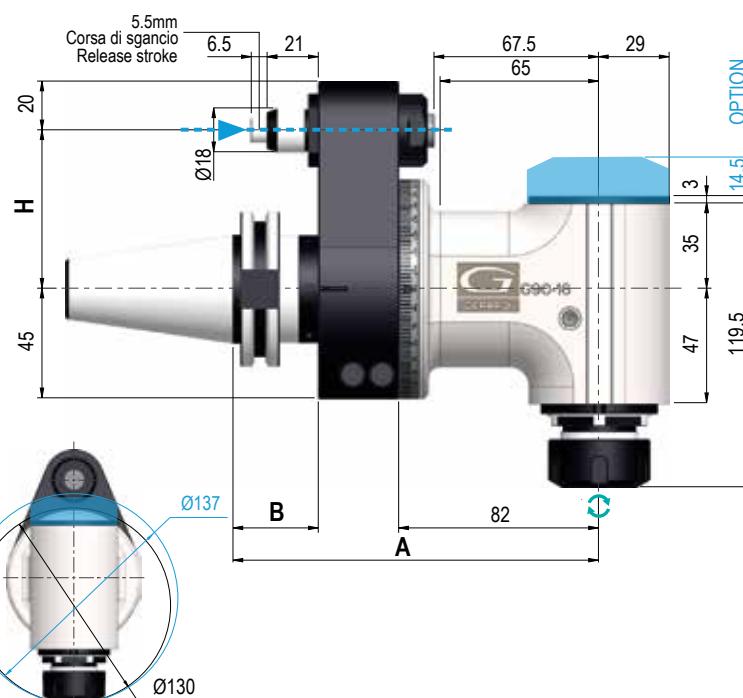
OUTPUT - Weldon Max Ø12

G90-16

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 5,4
	Rpm 8.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5
Dual contact (Optional)										C6
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80
Optional 110										80
A	150	150	150	150	150	156	157	157	160	153
B	35	35	35	35	35	41	42	42	45	38
										155
										40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

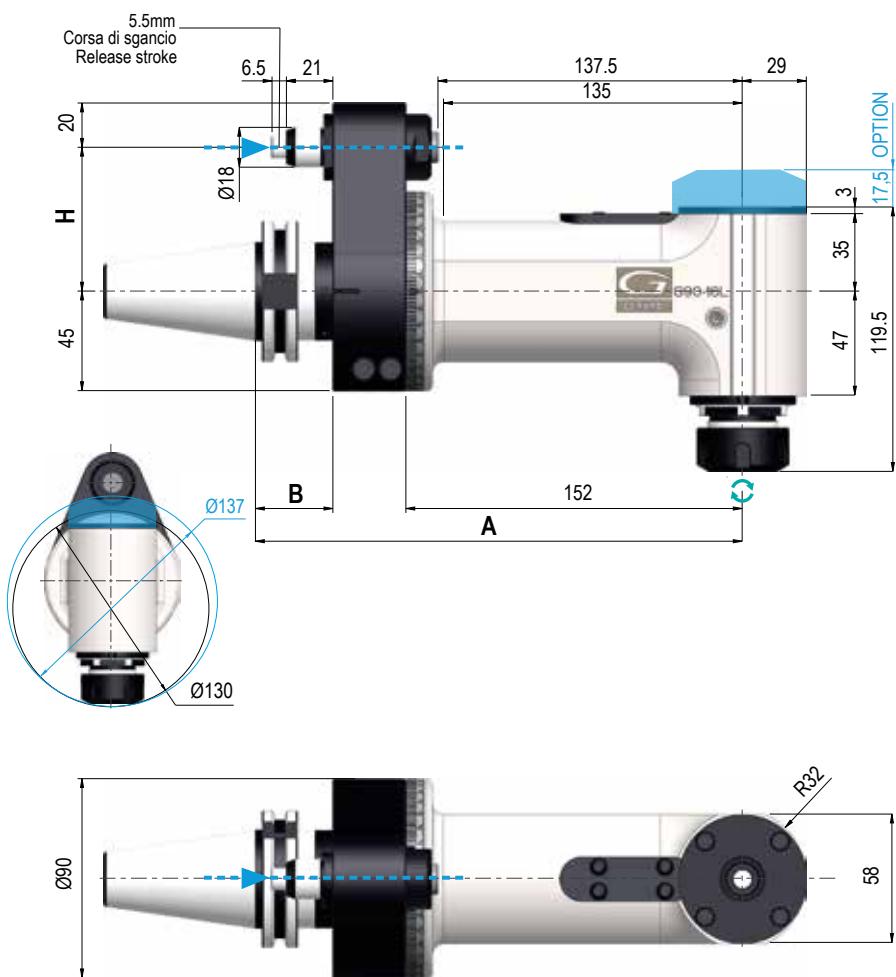
OUTPUT - ER32
DOUBLE OUTPUT - ER25 - ER 16M

OUTPUT - Weldon Max Ø16

OUTPUT - HSK 32

G90-16L

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,7
	Rpm 8.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5 C6 C8
Dual contact (Optional)										
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80 80
H Optional 110										
A	220	220	220	220	220	226	227	227	230	223 223 225
B	35	35	35	35	35	41	42	42	45	38 38 40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER32
DOUBLE OUTPUT - ER25 - ER 16M

OUTPUT - Weldon Max Ø16

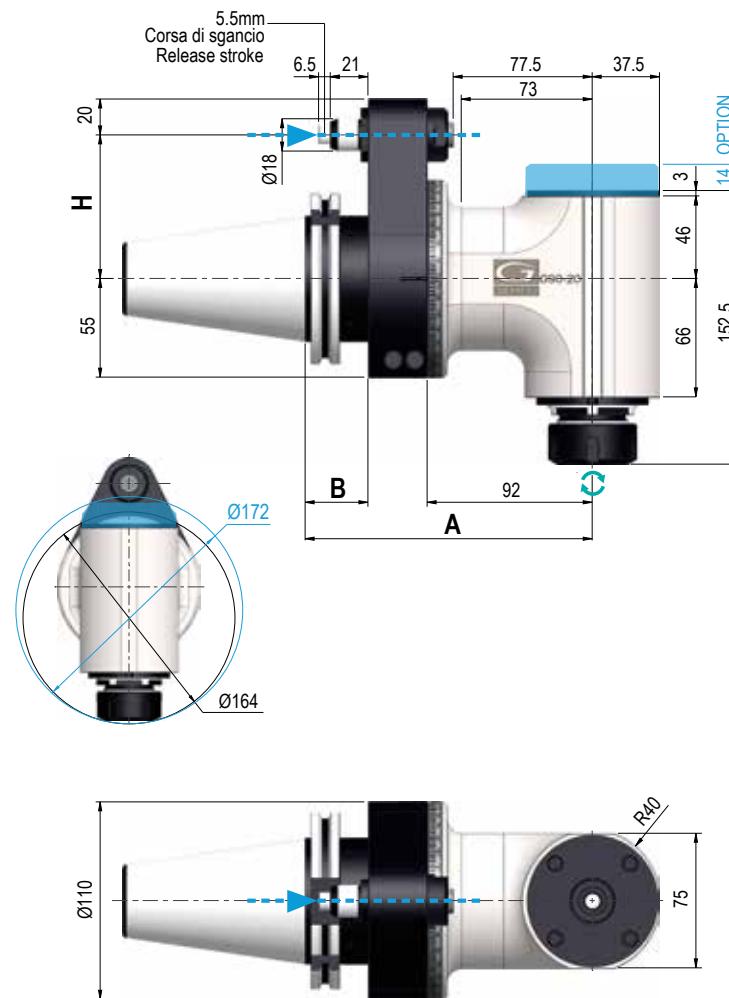
OUTPUT - HSK 32

G90-20

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 11
	Rpm 4.000		Ø 20
	N 1.250		M 16
	Nm 40		ER32 Ø2/20



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		63	80	100
Dual contact (Optional)										
H	Standard	80		80		80		80	80	80
	Optional 110									
A		160		160		166		167	167	170
B		35		35		41		42	42	45
								163	163	165
								38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 14Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

 HIGH SPEED - 6000 Rpm - **Internal coolant NO**

 REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**

 REFR. - COOLANT - dal Cono - Through shank Max **40bar** - 4000Rpm - **Dry running NO**

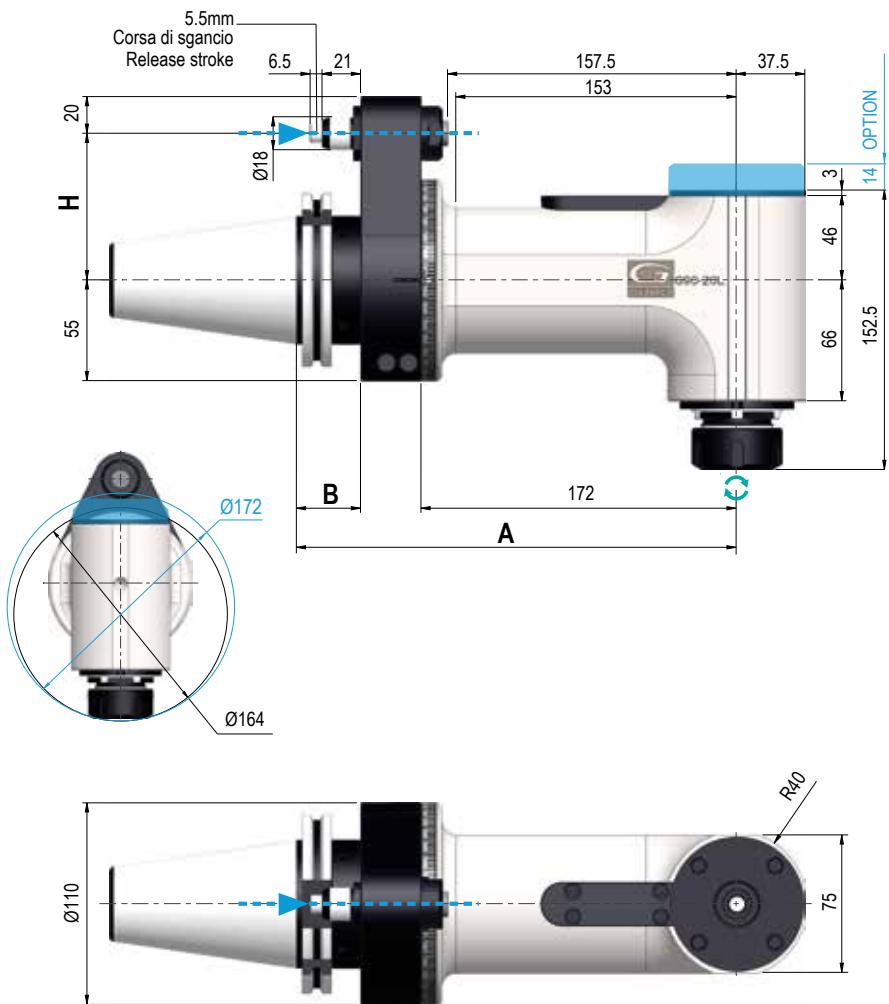
 REFR. - COOLANT - dal Cono - Through shank Max **70bar** - 4000Rpm - **Dry running NO**

OUTPUT - Weldon Max Ø20

OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø22
OUTPUT - ISO / CAT / BT 30
OUTPUT - C4
OUTPUT - ER40
DOUBLE OUTPUT - ER32 - ER20M

G90-20L

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 13,8
	Rpm 4.000		Ø 20
	N 1.250		M 16
	Nm 40		ER32 Ø2/20

Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		63	80	100
									C6	C8
Dual contact (Optional)										
H	Standard	80		80		80		80	80	80
	Optional 110									
A		240		240		246		247	247	250
B		35		35		41		42	42	45
									38	40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 28Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - Dry running YES

REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - Dry running NO

REFR. - COOLANT - dal Cono - Through shank Max 70bar - 4000Rpm - Dry running NO

OUTPUT - Weldon Max Ø20

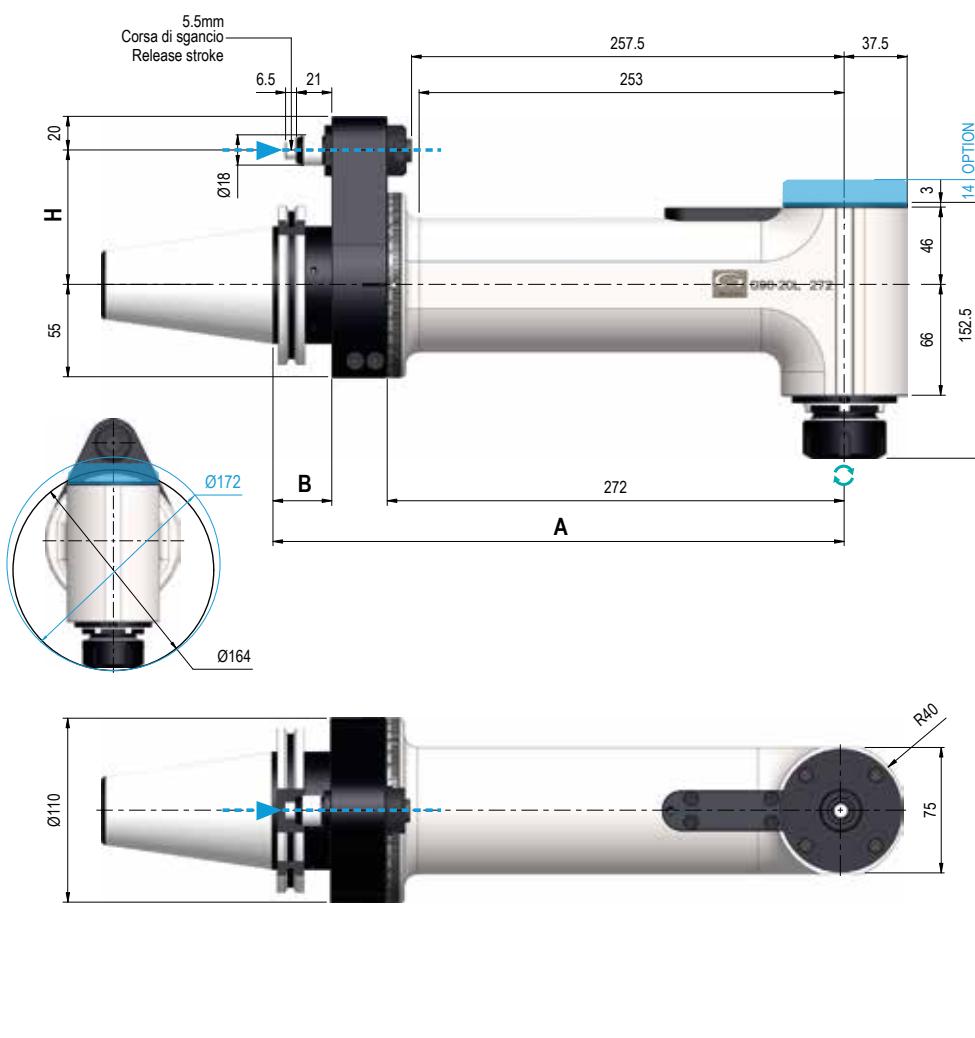
OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø22
OUTPUT - ISO / CAT / BT 30
OUTPUT - C4
OUTPUT - ER40
DOUBLE OUTPUT - ER32 - ER20M

G90-20L.272

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 17
	Rpm 4.000		Ø 20
	N 1.250		M 16
	Nm 40		ER32 Ø2/20



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80	100	C6 C8
Dual contact (Optional)										
H	Standard	80		80		80		80	80	80
	Optional 110									
A		340		340		346		347	350	343
B		35		35		41		42	45	38
										40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 31Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - Dry running YES

REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - Dry running NO

OUTPUT - Weldon Max Ø20

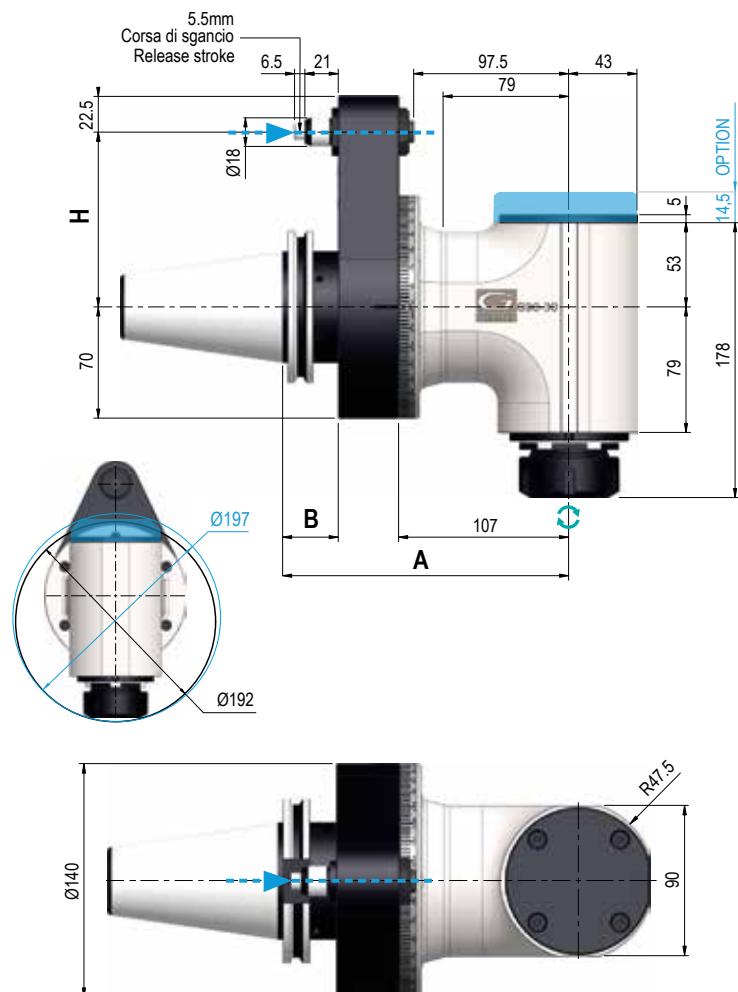
OUTPUT - HSK 40

OUTPUT - Shell mill holder Ø22

OUTPUT - ISO / CAT / BT 30

OUTPUT - C4

DOUBLE OUTPUT - ER32 - ER20M



G90-30

TYPE 3



Dati tecnici - Technical data

	Ratio 1:1		Kg 17
	Rpm 4.000		Ø 30
	N 1.750		M 20
	Nm 75		ER40 Ø3/30



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80	100	C8
Dual contact (Optional)										
H Standard		110		110		110		110	110	110
A		180		180		186		187	190	185
B		35		35		41		42	45	40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 31Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 5000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - Dry running YES

REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - Dry running NO

REFR. - COOLANT - dal Cono - Through shank Max 70bar - 4000Rpm - Dry running NO

OUTPUT - Weldon Max Ø25

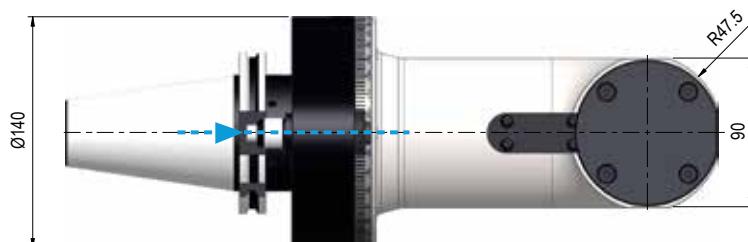
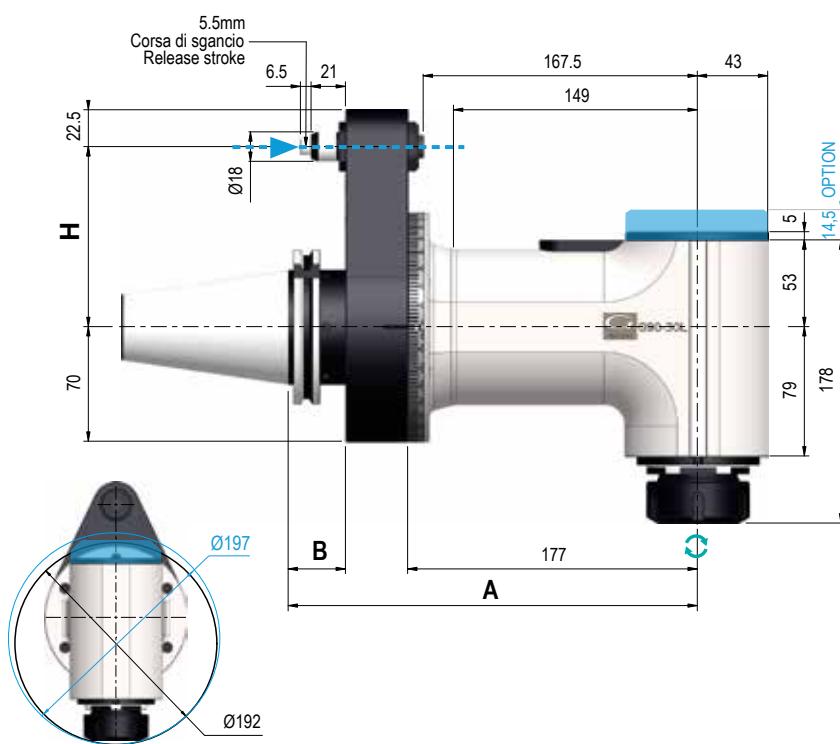
OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø27
OUTPUT - ISO / CAT / BT 30
OUTPUT - C4
DOUBLE OUTPUT - ER32 - ER20M

G90-30L

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 20
	Rpm 4.000		Ø 30
	N 1.750		M 20
	Nm 75		ER40 Ø3/30



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80	100	
Dual contact (Optional)										
H Standard Ø18		110		110		110		110	110	110
A		250		250		256		257	260	255
B		35		35		41		42	45	40

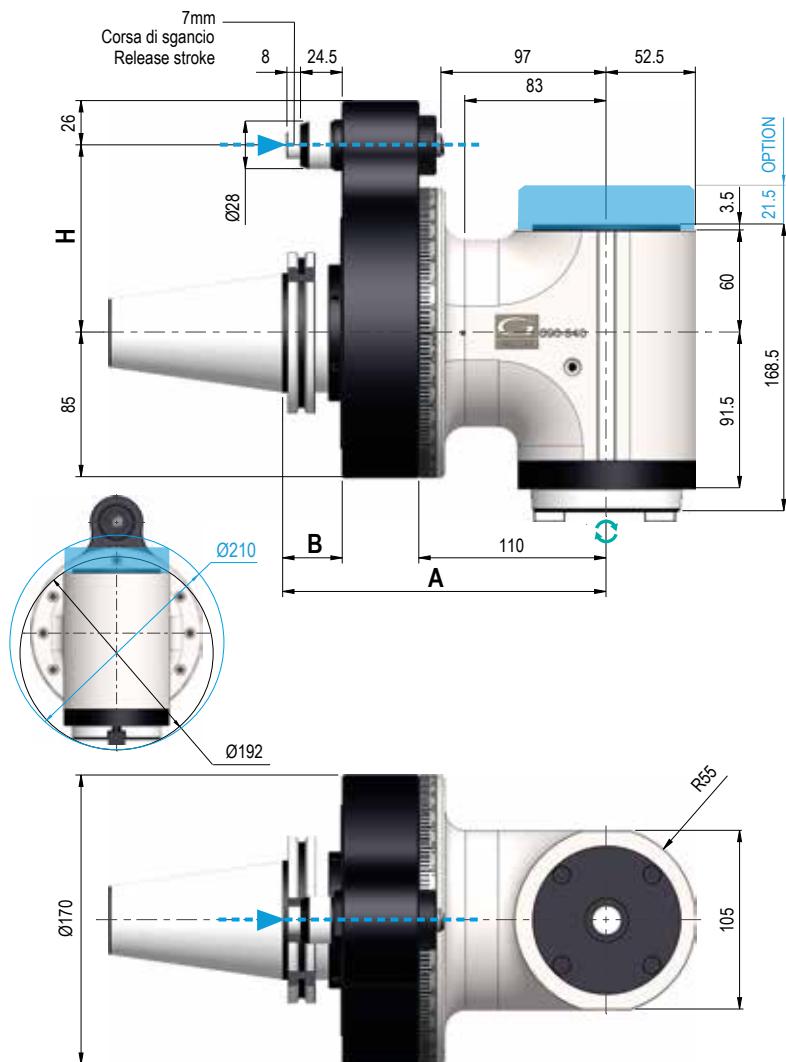
IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 34Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm - **Internal coolant NO**
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max **40bar** - 4000Rpm - **Dry running NO**
REFR. - COOLANT - dal Cono - Through shank Max **70bar** - 4000Rpm - **Dry running NO**
OUTPUT - Weldon Max Ø25

OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø27
OUTPUT - ISO 30
OUTPUT - C4
DOUBLE OUTPUT - ER40 - ER25M



G90-S40

TYPE 4



Dati tecnici - Technical data

	Ratio 1:1		Kg 22
	Rpm 4.000		Ø 26
	N 1.800		M 20
	Nm 140		ISO 40 / CAT / BT40



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80		100
										C8
Dual contact (Optional)										
H Standard Ø28		110		110		110		110		110
A		190		190		196		197		200
B		35		35		41		42		45
										40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 5000 Rpm - **Internal coolant NO**
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 30bar - 4000Rpm - **Dry running NO**
REFR. - COOLANT - dal Cono - Through shank Max 70bar - 4000Rpm - **Dry running NO**
OUTPUT - Weldon Max Ø26

OUTPUT - HSK 63

OUTPUT - Shell mill holder Ø27

OUTPUT - C4

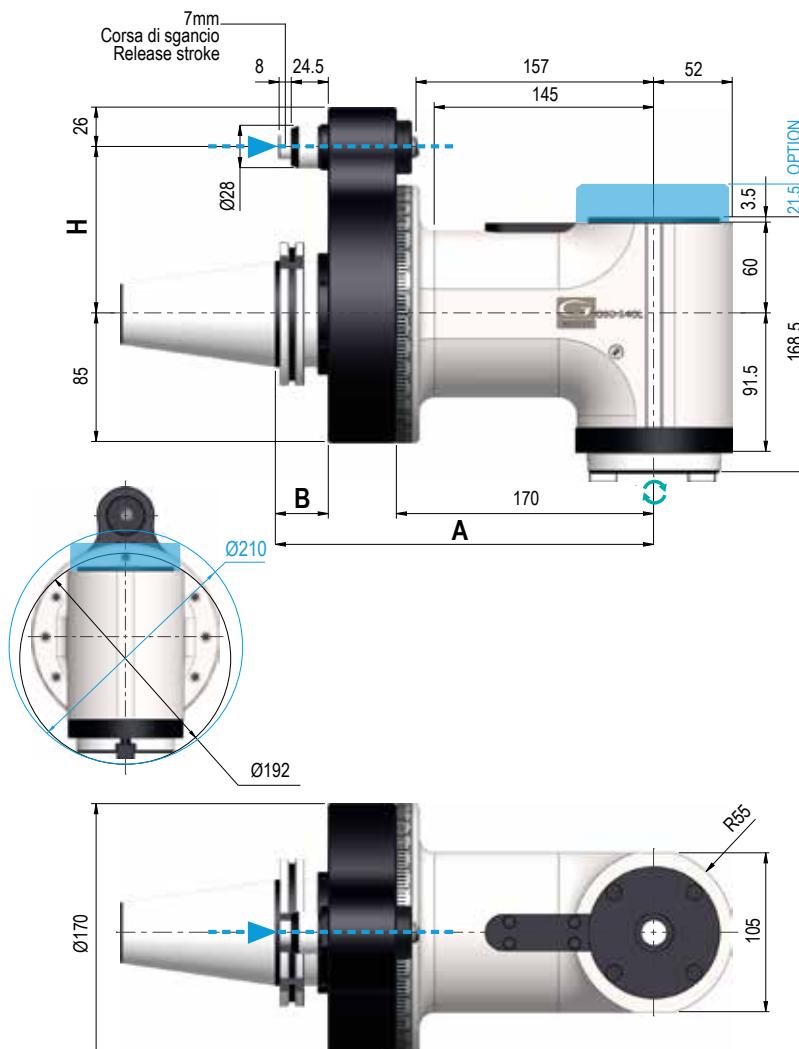
OUTPUT - C5

G90-S40L

TYPE 4


Dati tecnici - Technical data

	Ratio 1:1		Kg 26,2
	Rpm 4.000		Ø 26
	N 1.800		M 20
	Nm 140		ISO 40 / CAT / BT40



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80	100	C8
Dual contact (Optional)										
H	Standard Ø28	110		110		110		110	110	110
A		250		250		256		257	260	255
B		35		35		41		42	45	40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 40,5Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 5000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - Dry running YES

REFR. - COOLANT - dal Cono - Through shank Max 30bar - 4000Rpm - Dry running NO

REFR. - COOLANT - dal Cono - Through shank Max 70bar - 4000Rpm - Dry running NO

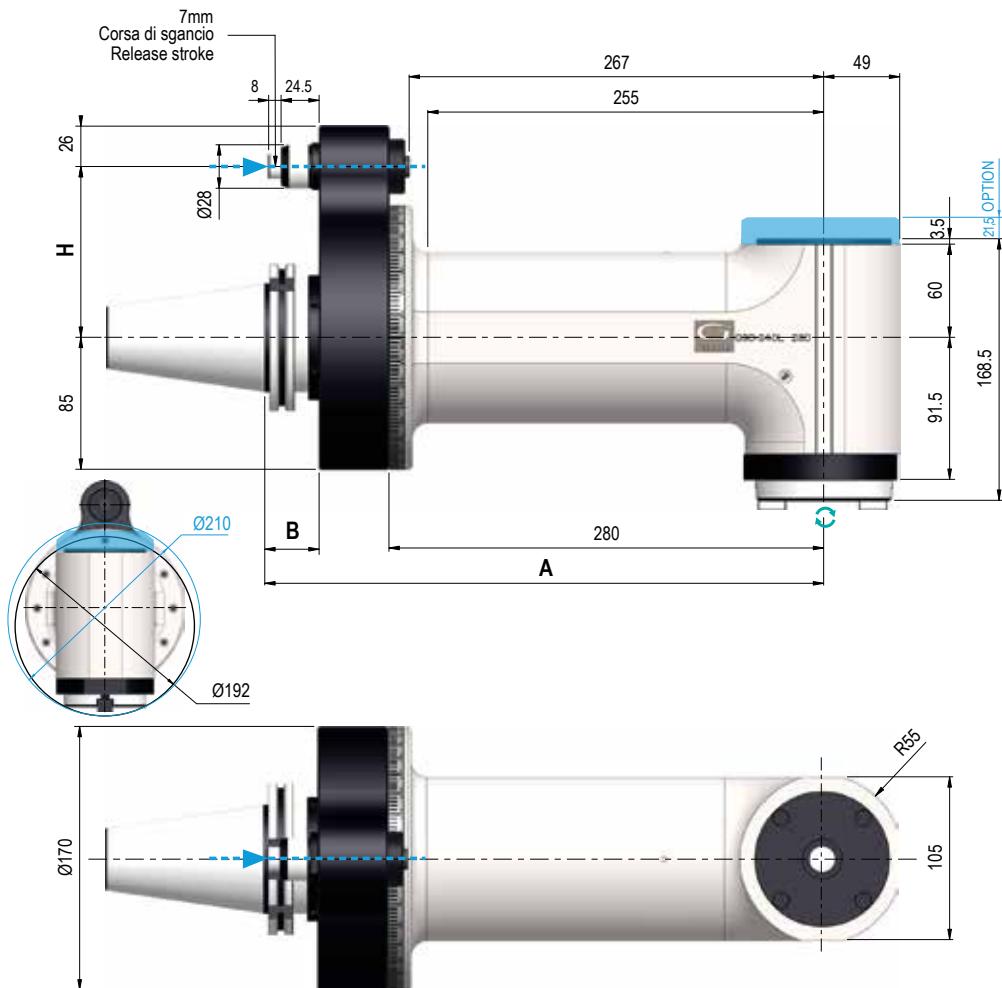
OUTPUT - Weldon Max Ø26

OUTPUT - HSK 63

OUTPUT - Shell mill holder Ø32

OUTPUT - C4

OUTPUT - C5



G90-S40L.280 TYPE 4



Dati tecnici - Technical data

	Ratio 1:1		Kg 32,4
	Rpm 4.000		Ø 26
	N 1.800		M 20
	Nm 140		ISO/BT/ CAT 40



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		100		C8
Dual contact (Optional)										
H Standard Ø28		110		110		110		110		110
A		360		360		366		370		365
B		35		35		41		45		40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 79Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**

REFR. - COOLANT - dal Cono - Through shank Max 30bar - 4000Rpm - **Dry running NO**

REFR. - COOLANT - dal Cono - Through shank Max 70bar - 4000Rpm - **Dry running NO**

OUTPUT - Weldon Max Ø26

OUTPUT - HSK 63

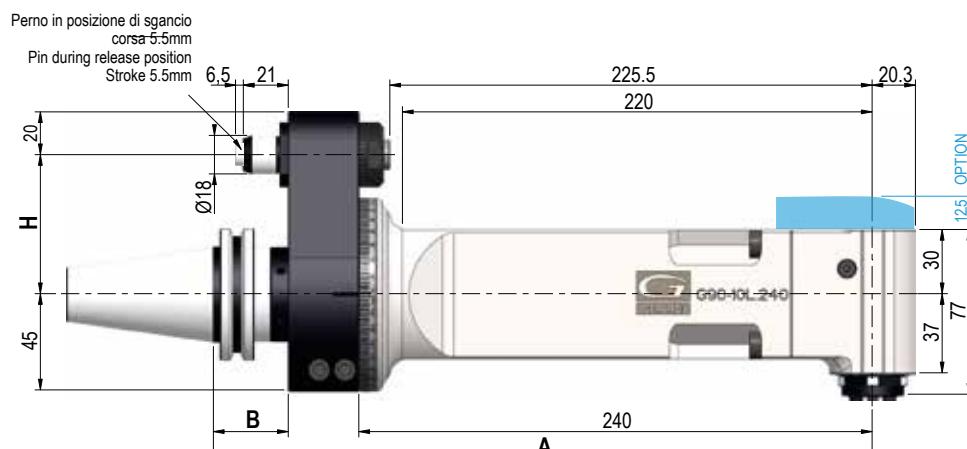
OUTPUT - Shell mill holder Ø32

OUTPUT - C4

OUTPUT - C5

G90-10L.240

TYPE 1


**NEW
2024**

Dati tecnici - Technical data

Ratio 1:1

Kg 6,3

Rpm 6.000

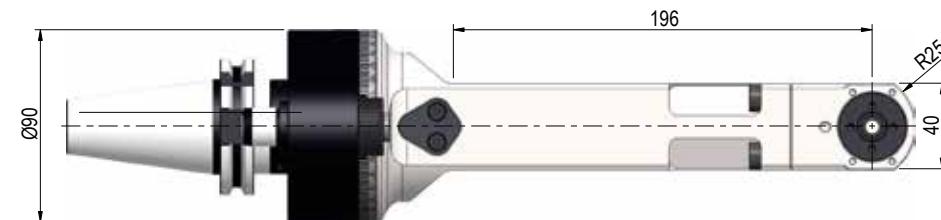
Ø 10

N 250

M 8

Nm 10

ER16 Ø1/10


 IDEALI PER MICRO LAVORAZIONI
IDEAL FOR MICRO MACHINING


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	40	50	40	63	80
			50	100	100
Dual contact (Optional)					
H Standard	65 / 80	80	65 / 80	65 / 80	65 / 80
H Optional 110					
A	308	308	308	315	315
B	35	35	35	42	42
			314	318	311
				311	311
				313	313

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

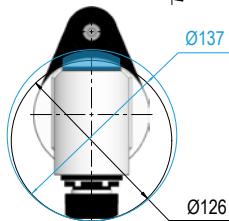
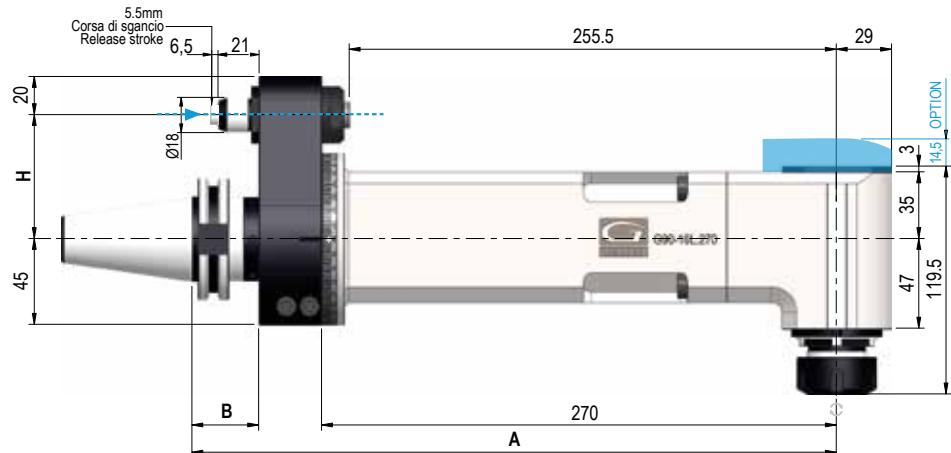
OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 6000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 6000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER20
DOUBLE OUTPUT - ER16 - ER 11M

OUTPUT - Weldon Max Ø12

G90-16L.270

TYPE 1


IDEALI PER MICRO LAVORAZIONI
 IDEAL FOR MICRO MACHINING

Dati tecnici - Technical data

	Ratio 1:1		Kg 8,9
	Rpm 4.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5 C6 C8
Dual contact (Optional)										
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80 80
H Optional 110										
A	338	338	338	338	338	344	345	345	348	341 341 343
B	35	35	35	35	35	41	42	42	45	38 38 40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - 4000Rpm - **Dry running YES**
REFR. - COOLANT - dal Cono - Through shank Max 40bar - 4000Rpm - **Dry running NO**
OUTPUT - Shell mill holder Ø16

OUTPUT - ER32
DOUBLE OUTPUT - ER25 - ER 16M

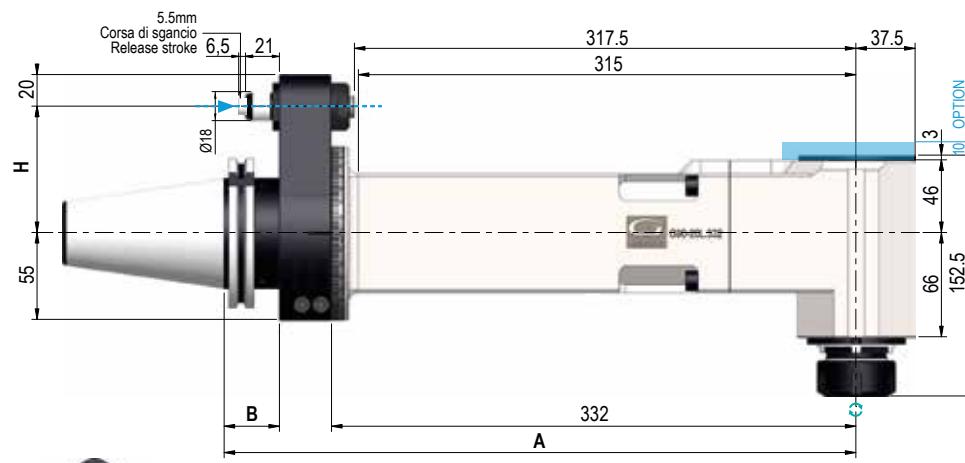
OUTPUT - Weldon Max Ø16

OUTPUT - HSK 32

NEW
 2024

G90-20L.332

TYPE 2


 NEW
2024

Dati tecnici - Technical data

Ratio 1:1

Kg 20,5

Rpm 4.000

Ø 20

N 1250

M 16

Nm 40

 ER32
Ø2/20

 POSSIBILITÀ DI LUNGHEZZE DIFFERENTI
POSSIBILITY OF DIFFERENT LENGTHS


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	50	50	50	80	100
Dual contact (Optional)					
H Standard Ø28	80	80	80	80	80
H Optional 110					
A	400	400	406	407	410
B	35	35	41	42	45

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 35Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

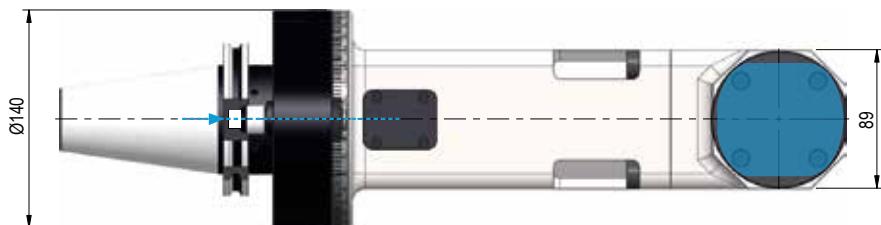
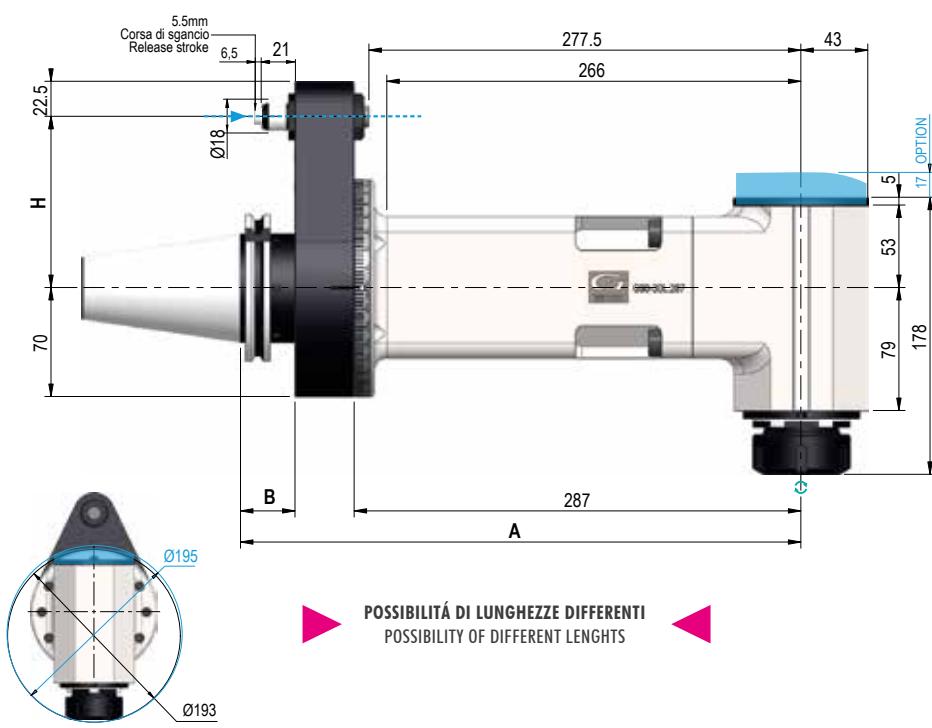
Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - **Dry running YES**
REFR. - COOLANT - dal Cono - Through Shank 40bar - **Dry running NO**
DOUBLE OUTPUT - ER32 - ER 20M

OUTPUT - Weldon Max Ø20

OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø22
OUTPUT - C4
OUTPUT - ISO / CAT / BT 30


G90-30L.287 TYPE 3

**NEW
2024**

Dati tecnici - Technical data

	Ratio 1:1		Kg 22,5
	Rpm 4.000		Ø 30
	N 1750		M 20
	Nm 75		ER40 Ø3/30



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80		100
Dual contact (Optional)										
H Standard Ø28		110		110		110		110		110
A		360		360		366		367		370
B		35		35		41		42		45
										365
										40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36,5Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Perno - Pin through Max 10bar - **Dry running YES**
REFR. - COOLANT - dal Cono - Through Shank 40bar - **Dry running NO**
DOUBLE OUTPUT - ER40 - ER 25M

OUTPUT - Weldon Max Ø25

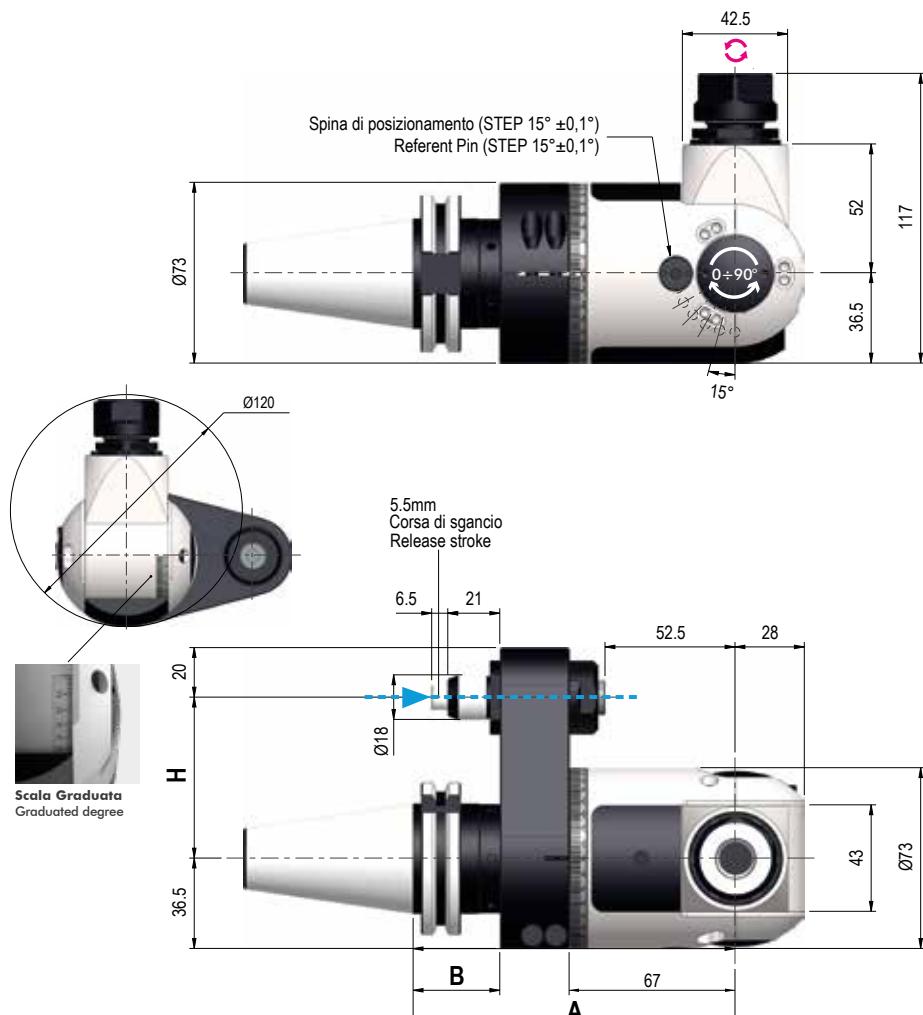
OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø27

OUTPUT - C4
OUTPUT - ISO / CAT / BT 30

GMU-13
TYPE 0

Dati tecnici - Technical data

	Ratio 1:1		Kg 4,4
	Rpm 4.000		Ø 13
	N 450		M 10
	Nm 6		ER20 Ø1/13



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8
Dual contact (Optional)														
H Standard	65 / 80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	80
H Optional 110														
A	130	130	130	130	130	125	130	136	137	137	140	133	133	135
B	35	35	35	35	35	30	35	41	42	42	45	38	38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 7,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

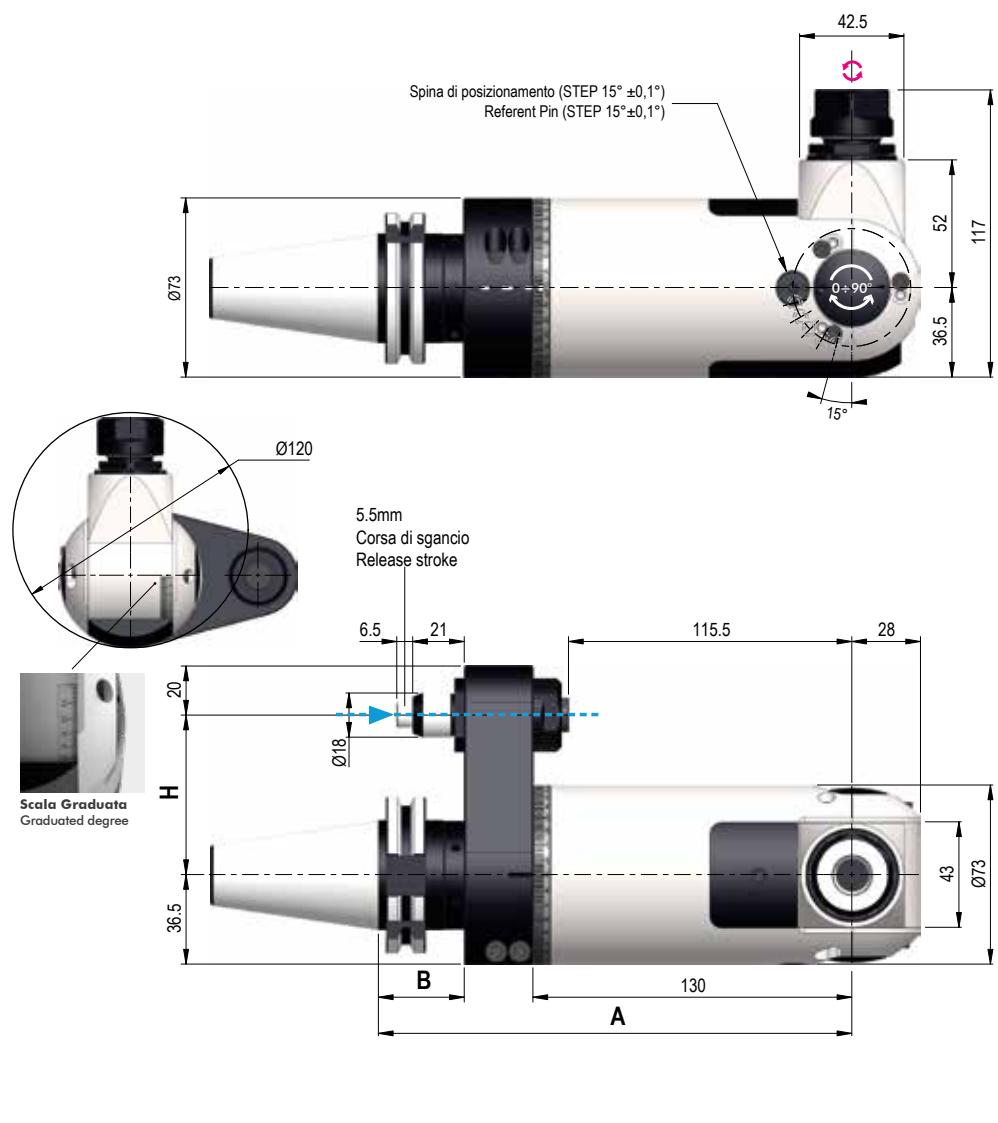
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm

QUICK POSITIONING - Customized Angles

OUTPUT - ER 25


GMU-13L

TYPE 0


Dati tecnici - Technical data

 Ratio
1:1


Kg 6,3


 Rpm
4.000


Ø 13



N 450



M 10



Nm 6


 ER20
Ø1/13


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	40	50	40	50	63
				80	100
Dual contact (Optional)					
H Standard	65	80	65	80	65 / 80
Optional 110					
A	193	193	193	193	199
B	35	35	35	35	41
					200
					200
					203
					196
					196
					198
					38
					38
					40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 6000 Rpm

QUICK POSITIONING - Customized Angles

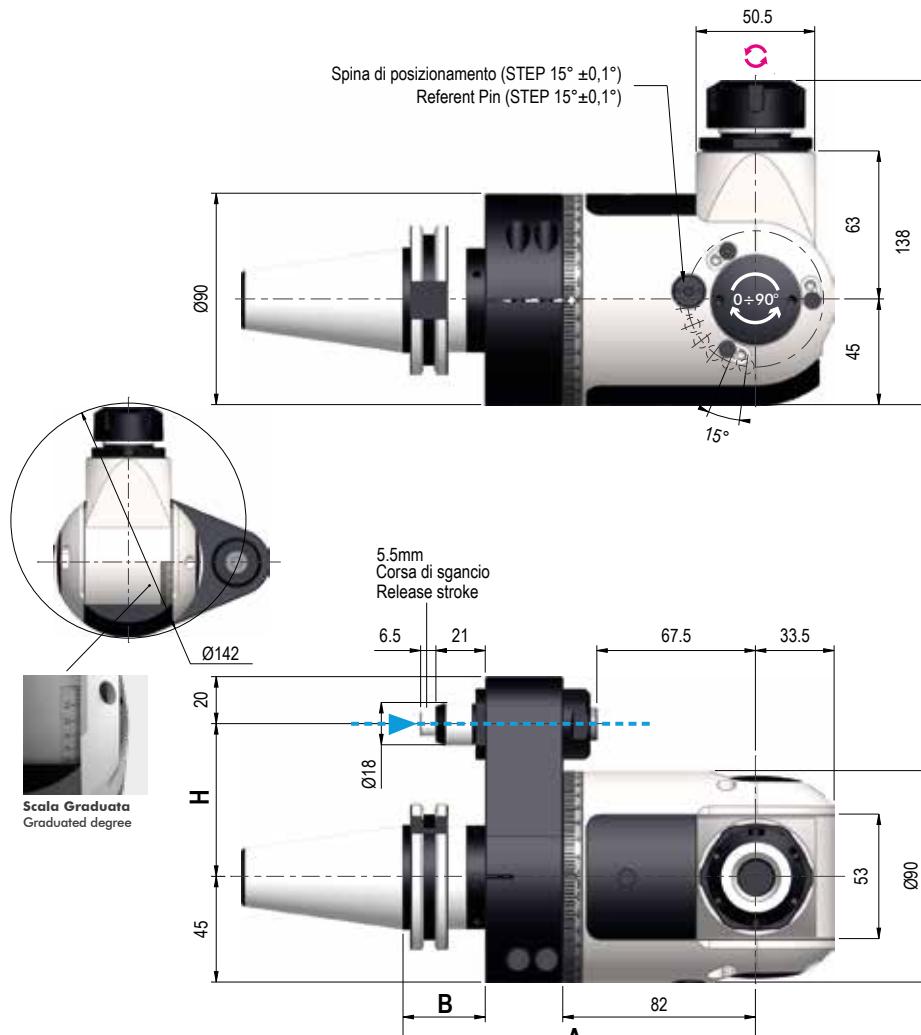
OUTPUT - ER 25

1 GMU-16

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,8
	Rpm 4.000		Ø 16
	N 480		M 12
	Nm 18		ER25 Ø1/16



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	40	50	40	50	63
				80	100
Dual contact (Optional)					
H Standard	65 / 80	80	65 / 80	80	65 / 80
H Optional 110					
A	150	150	150	156	157
B	35	35	35	41	42
				42	45
				38	38
				40	45

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg

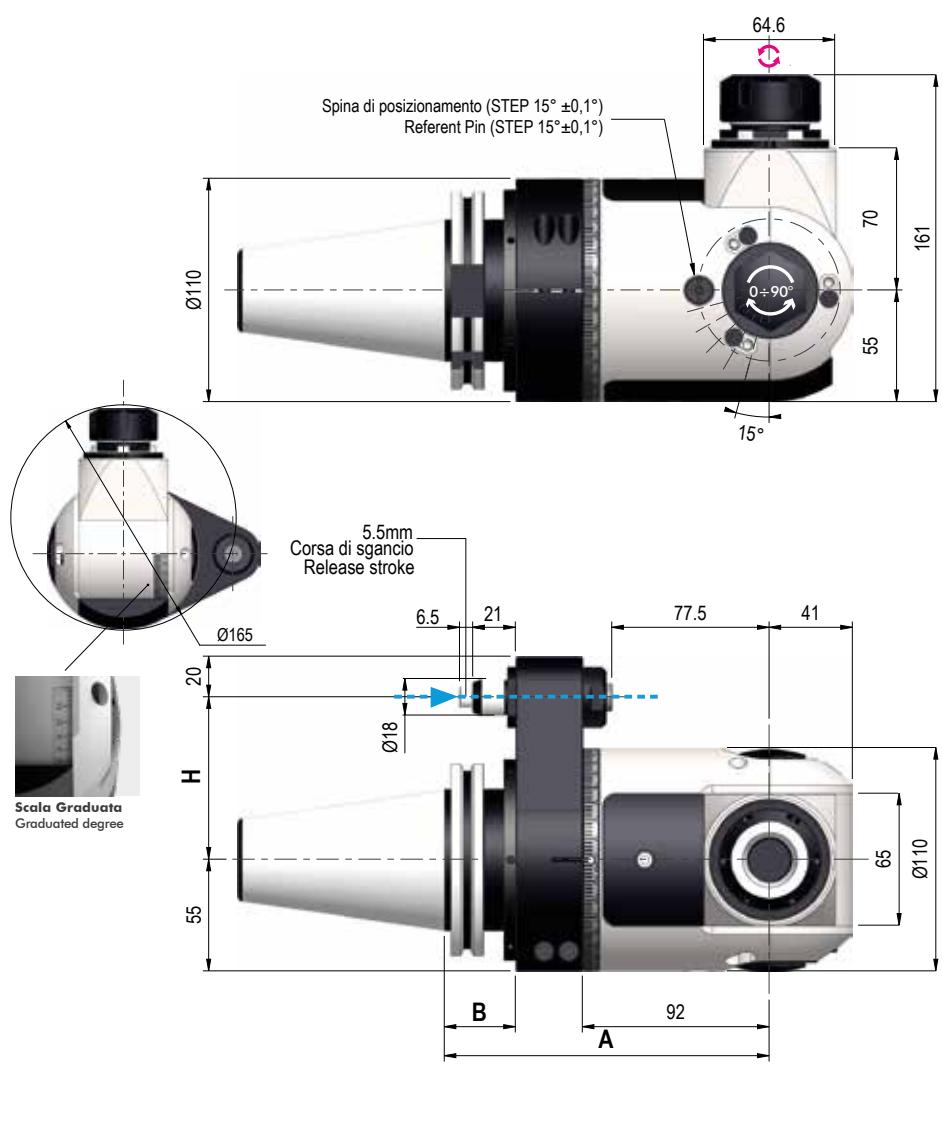

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm
QUICK POSITIONING - Customized Angles



GMU-20

TYPE 2



Dati tecnici - Technical data

	Ratio 1:1		Kg 13
	Rpm 4.000		Ø 20
	N 715		M 16
	Nm 32		ER32 Ø2/20



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80		100
Dual contact (Optional)										
H Standard		80		80		80		80		80
Optional 110										
A		160		160		166		167		163
B		35		35		41		42		40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 16Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm

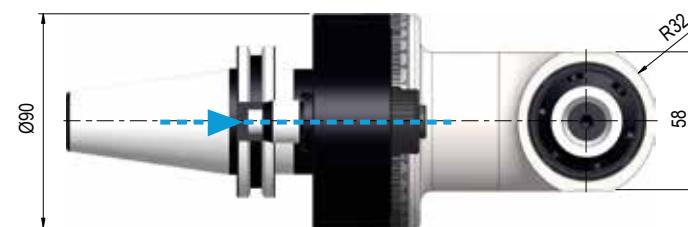
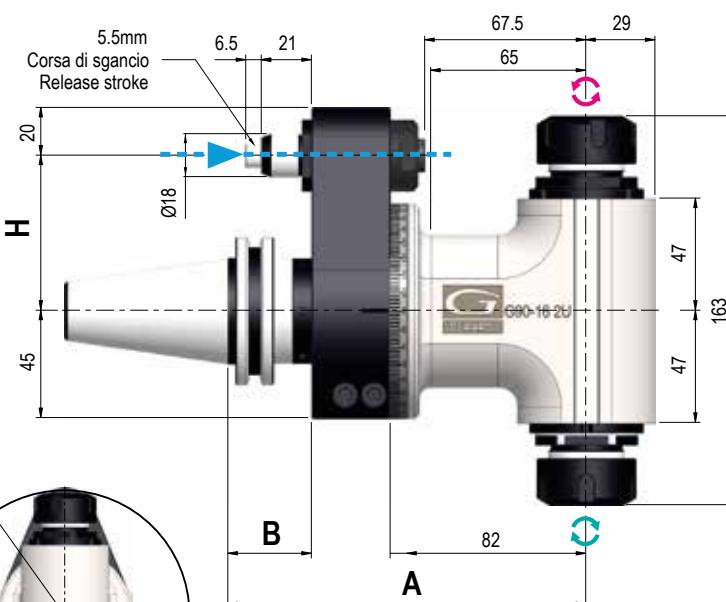
QUICK POSITIONING - Customized Angles

G90-16 2U

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,4
	Rpm 4.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5
Dual contact (Optional)										C6
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80
Optional 110										80
A	150	150	150	150	150	156	157	157	160	153
B	35	35	35	35	35	41	42	42	45	38
										155
										40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

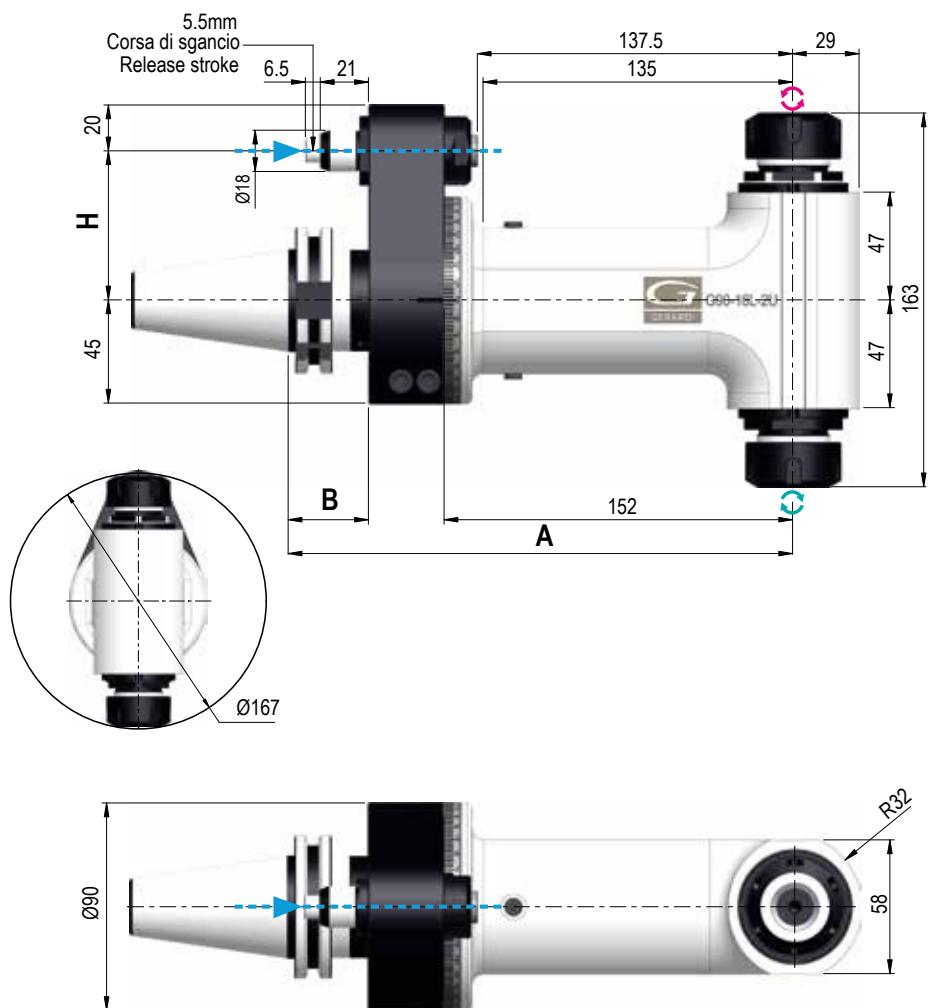
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 8000 Rpm
OUTPUT - Weldon Max Ø16 (X2)
OUTPUT - Shell mill holder Ø16 (X2)

G90-16L 2U

TYPE 1

**Dati tecnici - Technical data**

	Ratio 1:1		Kg 13
	Rpm 4.000		Ø 16
	N 510		M 12
	Nm 24		ER25 Ø1/16



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5 C6 C8
Dual contact (Optional)										
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80 80
Optional 110										
A	220	220	220	220	220	226	227	227	230	223 223 225
B	35	35	35	35	35	41	42	42	45	38 38 40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 27Kg
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

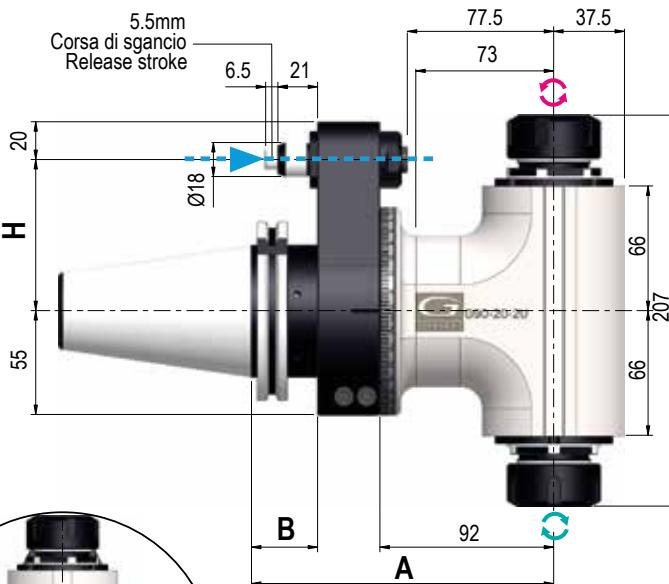
OPZIONI - OPTIONS**HIGH SPEED** - 8000 Rpm**OUTPUT** - Weldon Max Ø16 (X2)**OUTPUT** - Shell mill holder Ø16 (X2)

G90-20-2U

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 11,7
	Rpm 4.000		Ø 20
	N 1250		M 16
	Nm 40		ER32 Ø2/20



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		63	80	100
Dual contact (Optional)										
H Standard		80		80		80		80	80	80
Optional 110										
A		160		160		166		167	167	170
B		35		35		41		42	42	45
										165
										38
										40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 15Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

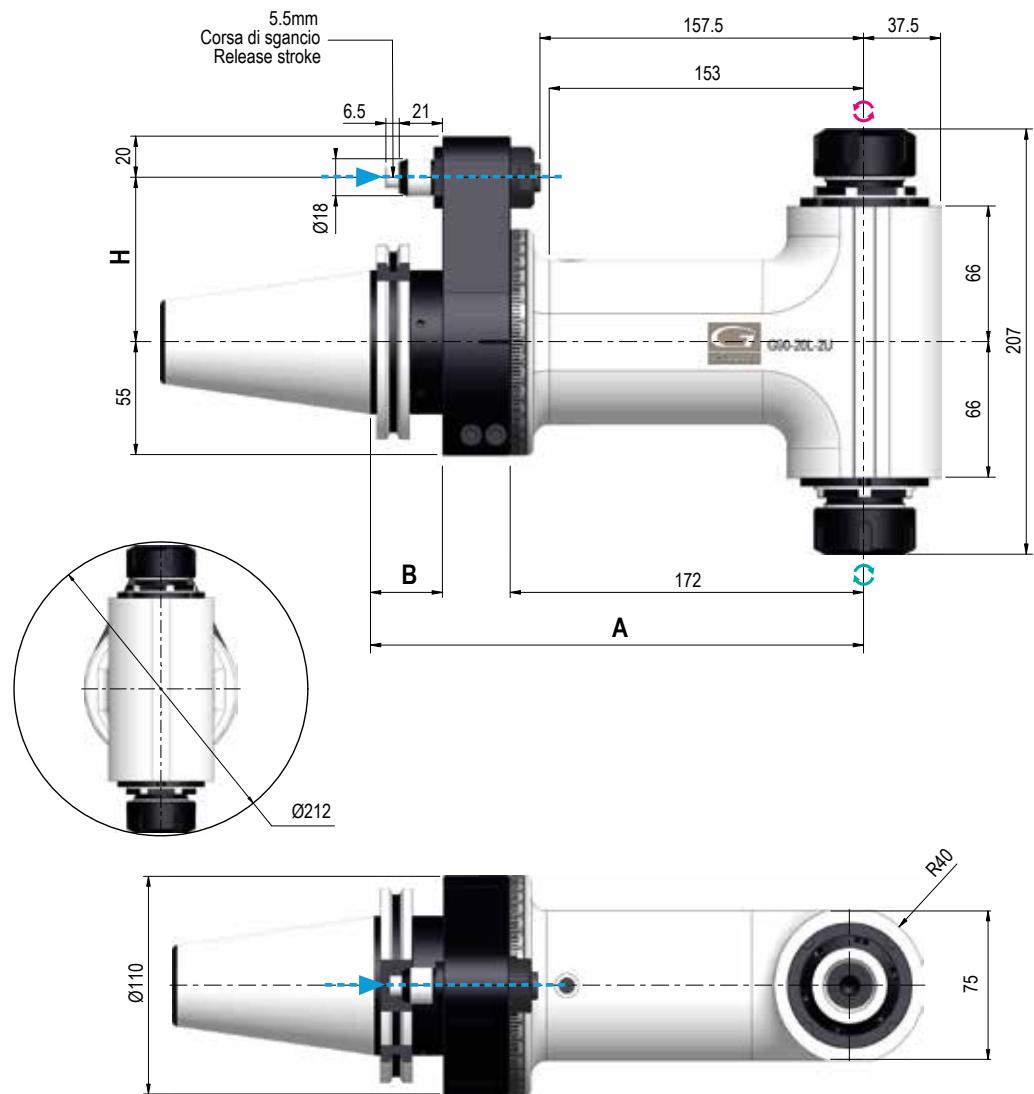
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm

OUTPUT - Weldon Max Ø20 (X2)

OUTPUT - Shell mill holder Ø27 (X2)


G90-20L-2U

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 15,5
	Rpm 4.000		Ø 20
	N 1.250		M 16
	Nm 40		ER-32 Ø2/20



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80		100
Dual contact (Optional)										
H Standard		80		80		80		80		80
Optional 110										
A		240		240		246		247		243
B		35		35		41		42		40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 29,5Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm

OUTPUT - Weldon Max Ø20 (X2)

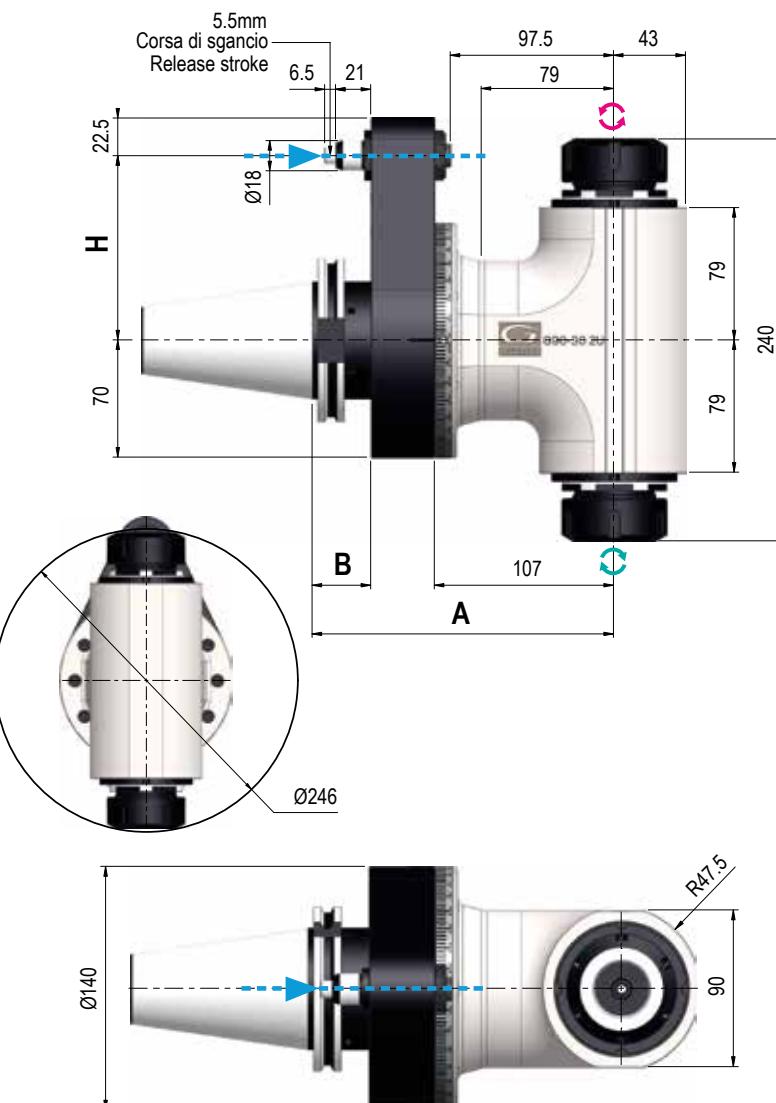
OUTPUT - Shell mill holder Ø27 (X2)

G90-30-2U

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 20
	Rpm 4.000		Ø 30
	N 1750		M 20
	Nm 75		ER40 Ø3/30



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80	100	C8
Dual contact (Optional)										
H Standard Ø18		110		110		110		110	110	110
A		180		180		186		187	190	185
B		35		35		41		42	45	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 23Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

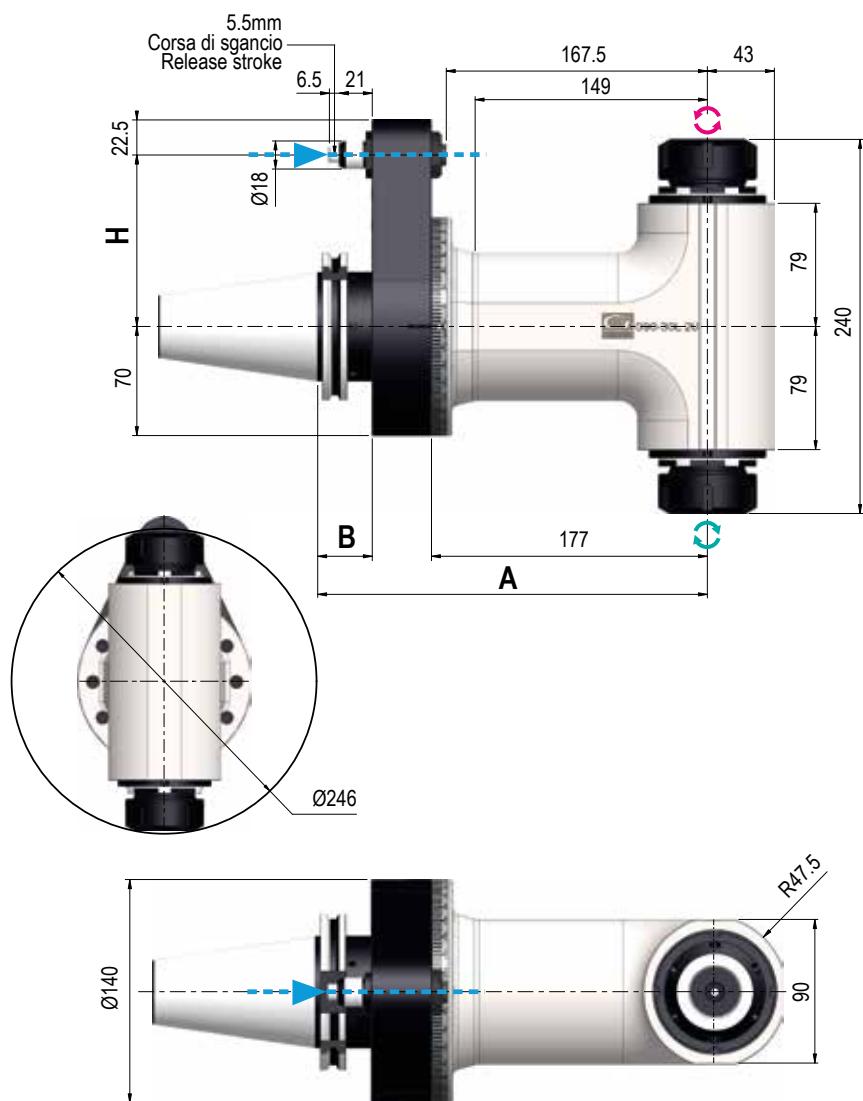
OPZIONI - OPTIONS

HIGH SPEED - 6000 Rpm

OUTPUT - Weldon Max Ø25 (X2)

OUTPUT - Shell mill holder Ø27 (X2)

OUTPUT - HSK 40 (X2)


G90-30L-2U

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 23
	Rpm 4.000		Ø 30
	N 1.750		M 20
	Nm 75		ER-40 Ø3/30



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		80		100
										C8
Dual contact (Optional)										
H Standard Ø18		110		110		110		110		110
A		250		250		256		257		260
B		35		35		41		42		45
										255
										40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 37Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm

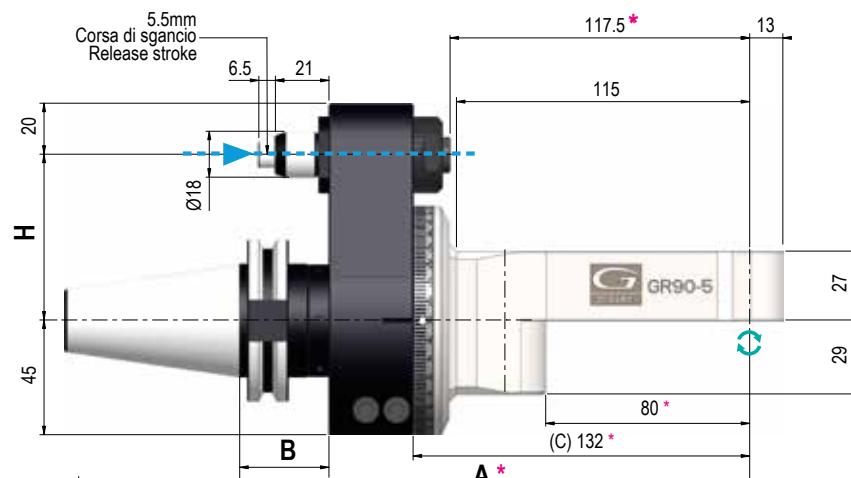
OUTPUT - Weldon Max Ø25 (X2)

OUTPUT - Shell mill holder Ø27 (X2)

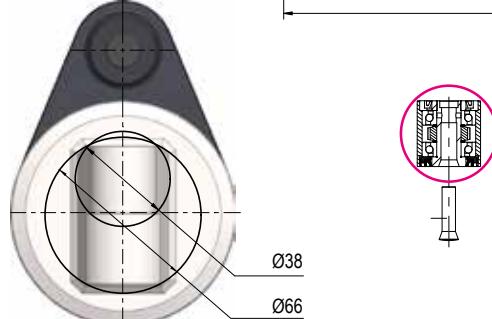
OUTPUT - HSK 40 (X2)

GR90-5
TYPE 1

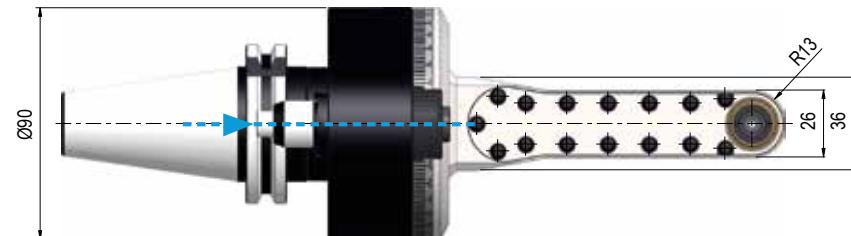
* mm	C
+ 16	148
+ 32	164


Dati tecnici - Technical data

	Ratio 1:1		Kg 4,7
	Rpm 8.000		Ø 4,5
	N 140		M 4
	Nm 9		SCHAUBLIN P6 Ø0,3 / 5



* POSSIBILITÀ DI LUNGHEZZE
DIFFERENTI CON STEP DA 16mm
POSSIBILITY OF DIFFERENT LENGTH WITH 16mm STEP



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8
Dual contact (Optional)					
H Standard	65 / 80 65 / 80 80	65 / 80	80 65 / 80 65 / 80 80	65 / 80 65 / 80 80	65 / 80 65 / 80 80
H Optional 110					
A *	200 200 200	200	195 200 206	207 207	210 203 203
B	35 35 35	35	30 35 41	42 42	45 38 38

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

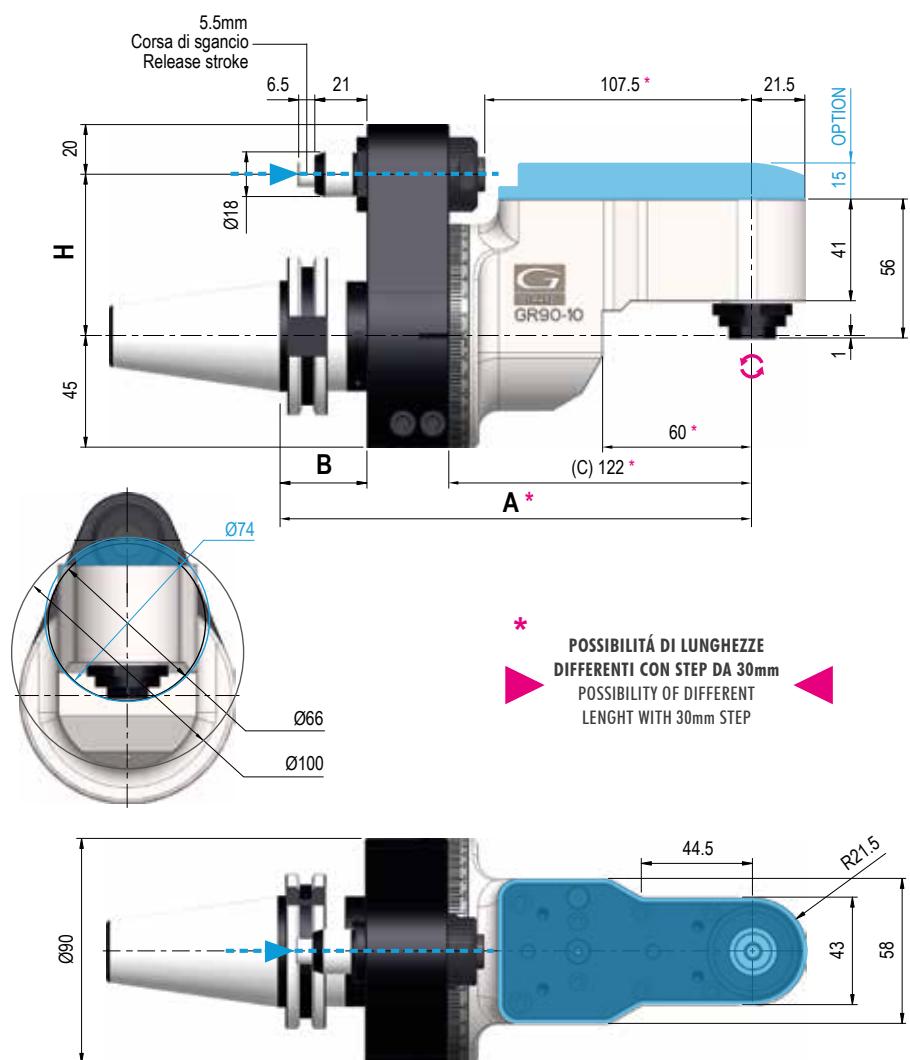
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
COLLETS - Pinza Schaublin P6 Ø 0,3 - 0,9

COLLETS - Pinza Schaublin P6 Ø 1 - 1,9

COLLETS - Pinza Schaublin P6 Ø 2 - 3,5

COLLETS - Pinza Schaublin P6 Ø 4 - 5



GR90-10

TYPE 1



*	mm	C
+ 30	152	
+ 60	182	
+ 90	212	

Dati tecnici - Technical data

	Ratio 1:1,6		Kg 6,2
	Rpm 4.000		Ø 10
	N 620		M 8
	Nm 20		ER-16 Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5 C6 C8
Dual contact (Optional)										
H Standard	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80 80
H Optional 110										
A *	190	190	190	190	190	196	197	197	200	193 193 195
B	35	35	35	35	35	41	42	42	45	38 38 40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9,5Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 8000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Cono - Through Shank 70bar - Dry running NO

OUTPUT - Weldon Max Ø10

OUTPUT - Shell mill holder Ø13

GR90-16

TYPE 1

*	mm	C
+ 50	182	
+ 100	232	


Dati tecnici - Technical data

Ratio 1:1

Kg 6

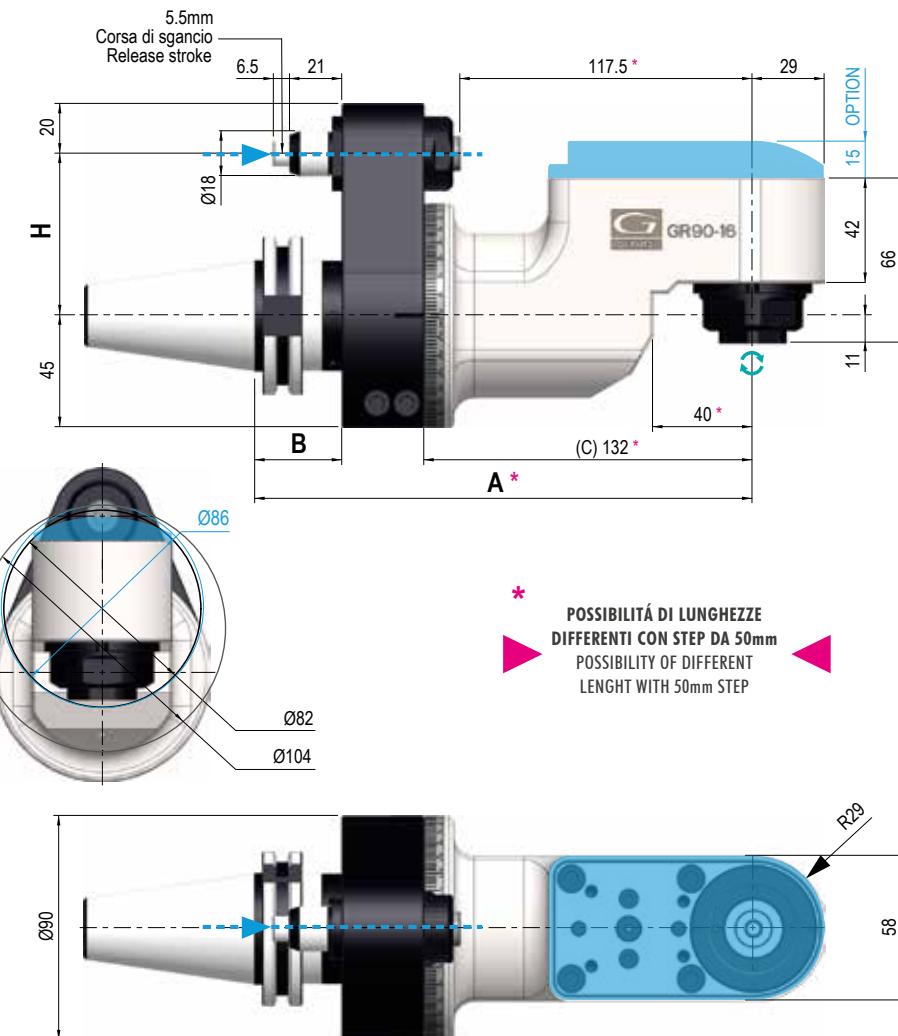
Rpm 4.000

Ø 16

N 620

M 12

Nm 20

 ER-25
Ø1/16


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	40	50	40	63	80
			50	80	100
Dual contact (Optional)					
H Standard	65 / 80	80	65 / 80	65 / 80	80
Optional 110					
A *	200	200	200	207	210
B	35	35	35	42	45
			206	207	203
			41	42	38
				45	38
				38	40

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg

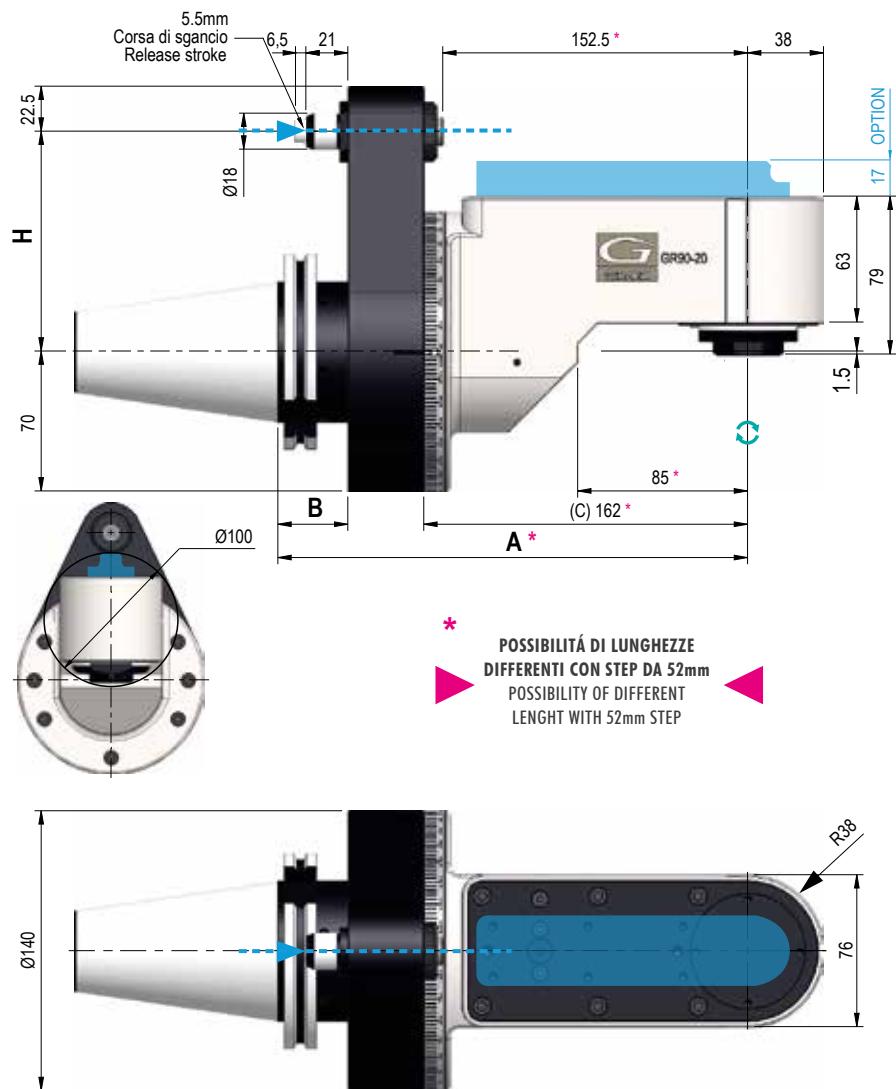

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 8000 Rpm - Internal coolant NO
REFR. - COOLANT - dal Cono - Through Shank 70bar - Dry running NO
OUTPUT - Weldon Max Ø16
OUTPUT - Shell mill holder Ø16



GR90-20

TYPE 3



*	mm	C
+ 52	214	
+ 104	266	

Dati tecnici - Technical data

	Ratio 1:1		Kg 15,6
	Rpm 4.000		Ø 20
	N 1.750		M 16
	Nm 75		ER-32 Ø2/20



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623
Grandezza - Size		50		50		50		100		C8
Dual contact (Optional)										
H Standard Ø18		110		110		110		110		110
A *		235		235		241		245		240
B		35		35		41		45		40

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 30Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm - Internal coolant NO
REFR. - COOLANT - dal Cono - Through Shank 70bar - Dry running NO
OUTPUT - Weldon Max Ø20
OUTPUT - Shell mill holder Ø16



GR90-S40

TYPE 4

*	mm	C
+ 68	228	
+ 136	296	



Dati tecnici - Technical data

Ratio 1:1

Rpm 4.000

N 1800

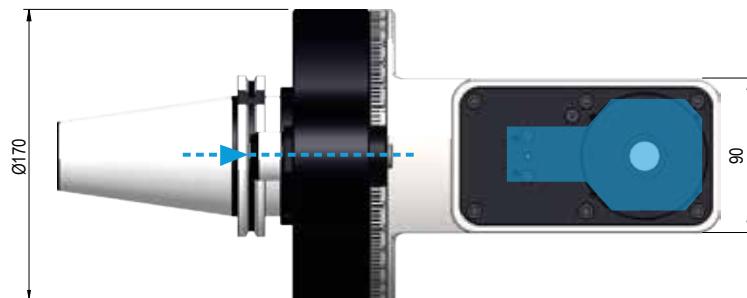
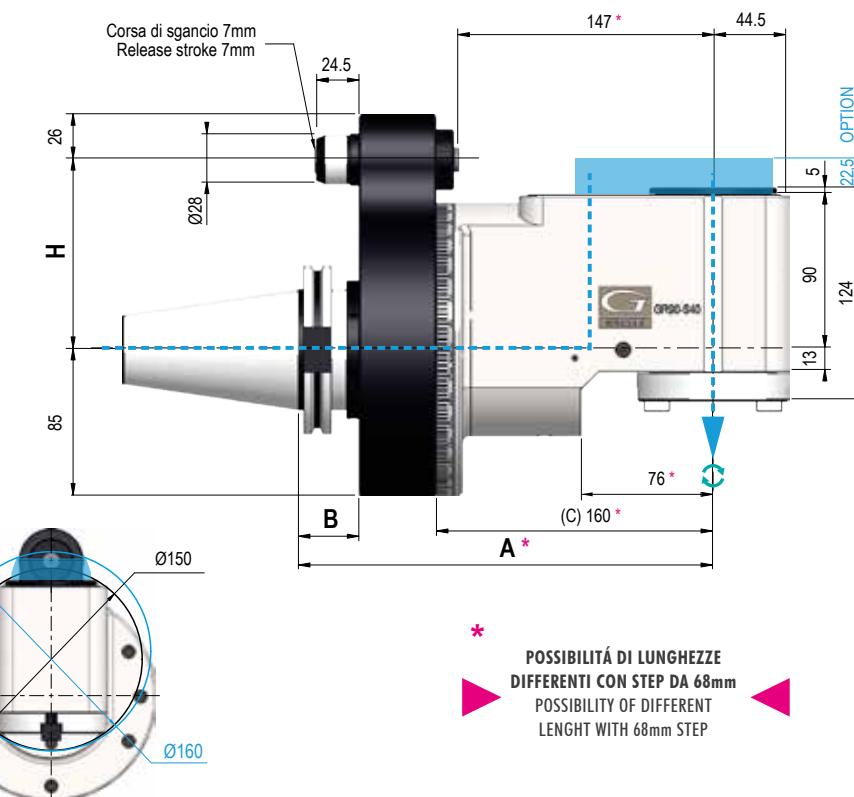
Nm 140

Kg 22,6

Ø 26

M 20

ISO / CAT / BT40



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623
Grandezza - Size	50	50	50	100	C8
Dual contact (Optional)					
H Standard Ø18	110	110	110	110	110
A *	240	240	246	250	245
B	35	35	41	45	40

IMBALLO & PESO - PACK WEIGHT:
Cassa in Legno - Wooden Box 37Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
Tubetto di grasso / Libro istruzioni
Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 5000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Cono - Through Shank Max 70bar - 4000Rpm - Dry running NO

OUTPUT - Weldon Max Ø26

OUTPUT - HSK 63

OUTPUT - Shell mill holder Ø27

OUTPUT - C4

OUTPUT - C5

MTC SERIES

MANUAL TOOL CHANGE



INGRANAGGI - GEARS

Ingranaggi Gleason con evolvente rettificato massime performances e minori vibrazioni

Gleason ground spiral bevel gears maximum performances and minimum vibration



CUSCINETTI - BEARINGS

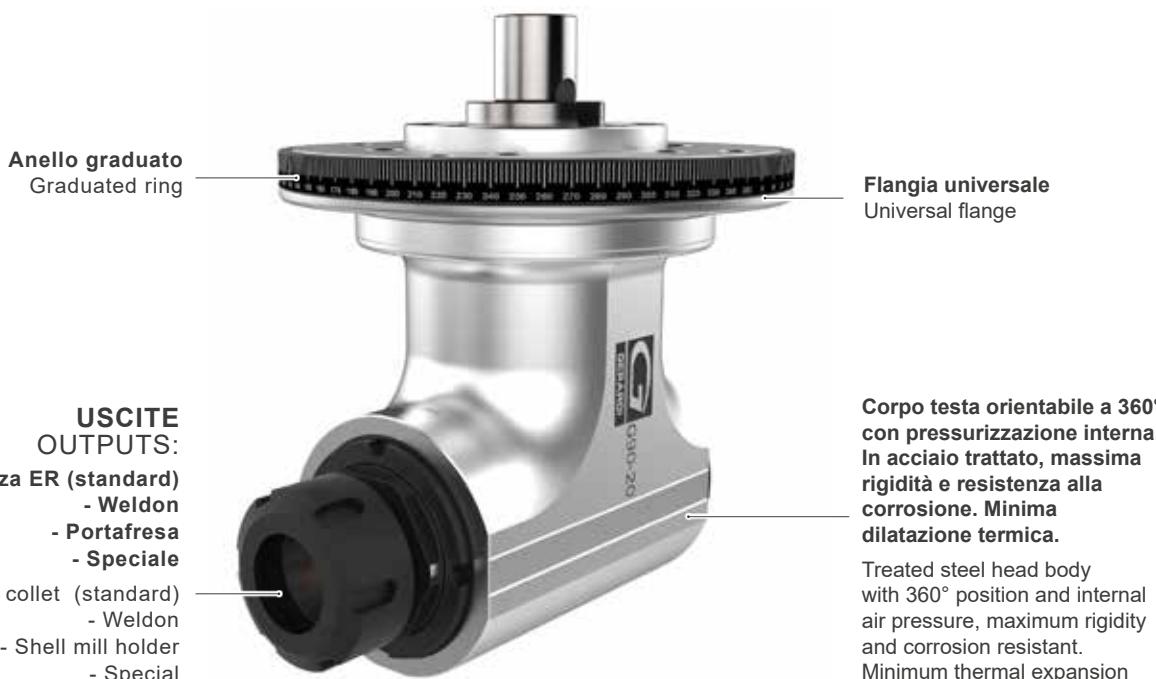
Cuscinetti a sfera a contatto obliquo in classe di precisione ABEC 9

Angular contact preloaded ball bearings of precision class ABEC 9

DESIGN

Il Design compatto, insieme alle specifiche descritte, consente: alte performances, elevate velocità, lunga durata degli utensili.

The Compact design, along with mentioned specifications, allows: highest performances, high speeds, long tools life



PROLUNGHE - EXTENSIONS

Sulla serie di teste MTC è possibile variare la lunghezza del corpo aggiungendo il modulo di prolunga (pag.1.95)

On MTC series is possible to extend the lenght of the body by adding an extension (pag.1.95)



Massimo 2 elementi di prolunga ammessi - Max. 2 extensions admitted.

Esempi applicativi / Applications examples

Classic Line

Teste angolari integrali MTC (Cambio utensile manuale)

Integral angle heads MTC series (Manual tool change)



STD 90° SERIES

La serie ideale per fresature, forature e maschiature a $\pm 90^\circ$
The ideal series for milling, drilling and tapping at $\pm 90^\circ$.



STD 90° SERIES

La serie ideale per fresature, forature e maschiature a $\pm 90^\circ$
The ideal series for milling, drilling and tapping at $\pm 90^\circ$.



GMU SERIES

La serie di teste angolari con angolazione regolabile da 0 a 90° .
Angle heads series with adjustable angle from 0 to 90° .



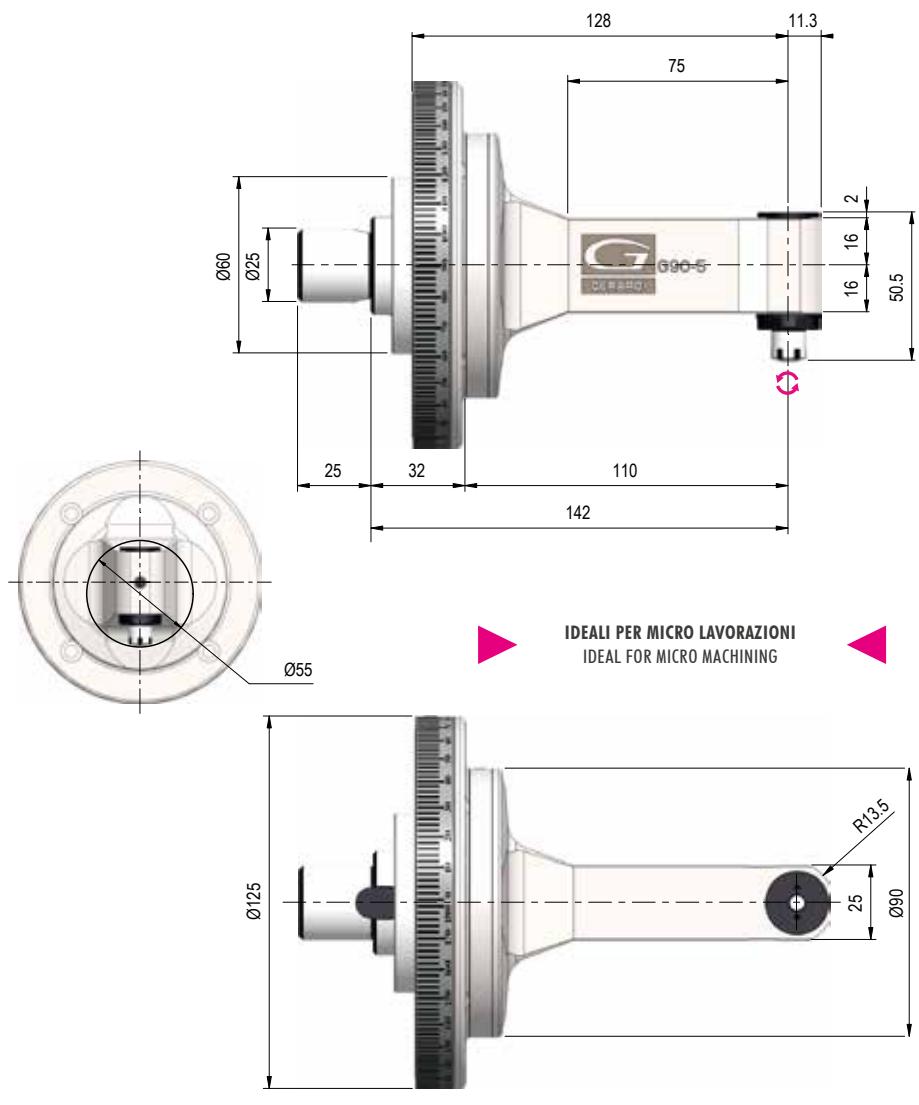
GMU SERIES

La serie di teste angolari con angolazione regolabile da 0 a 360° .
Angle heads series with adjustable angle from 0 to 360° .



DOUBLE SERIES

La serie di teste angolari ideali per fresature, forature e maschiature attraverso 2 mandrini contrapposti di 180°
Angle Heads series for milling drilling and tapping through 2 opposite outputs


G90-5

TYPE 1

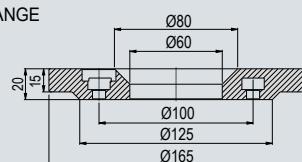
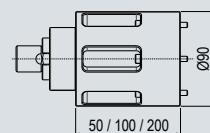

Dati tecnici - Technical data

	Ratio 1:1		Kg 4
	Rpm 10.000		Ø 5
	N 60		M 4
	Nm 4		ER-8 Ø 0,5/5



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
TIPO - TYPE 1 (pag - page 1.97)

PROLUNGA - EXTENSION
TIPO - TYPE 1

IMBALLO & PESO - PACK WEIGHT:
Valigetta - Bag 8Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni
Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

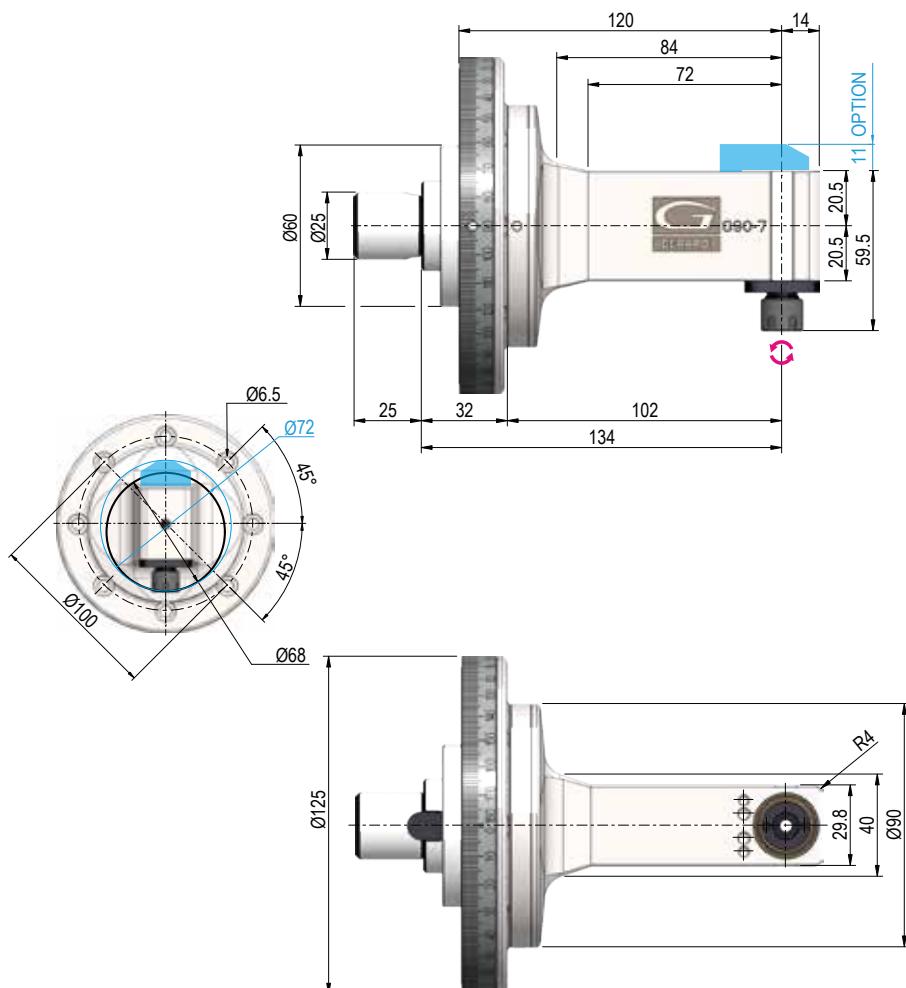
OPZIONI - OPTIONS
OUTPUT - WELDON MAX Ø6

G90-7

TYPE 1

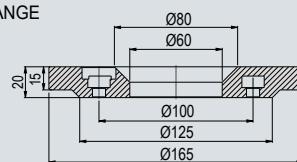
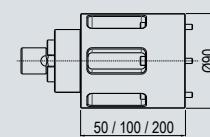

Dati tecnici - Technical data

	Ratio 1:1		Kg 3,7
	Rpm 10.000		Ø 7
	N 120		M 6
	Nm 5		ER-11 Ø 1/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
 TIPO - TYPE 1 (pag - page 1.97)

PROLUNGA - EXTENSION
 TIPO - TYPE 1

IMBALLO & PESO - PACK WEIGHT:
 Valigetta - Bag 8Kg

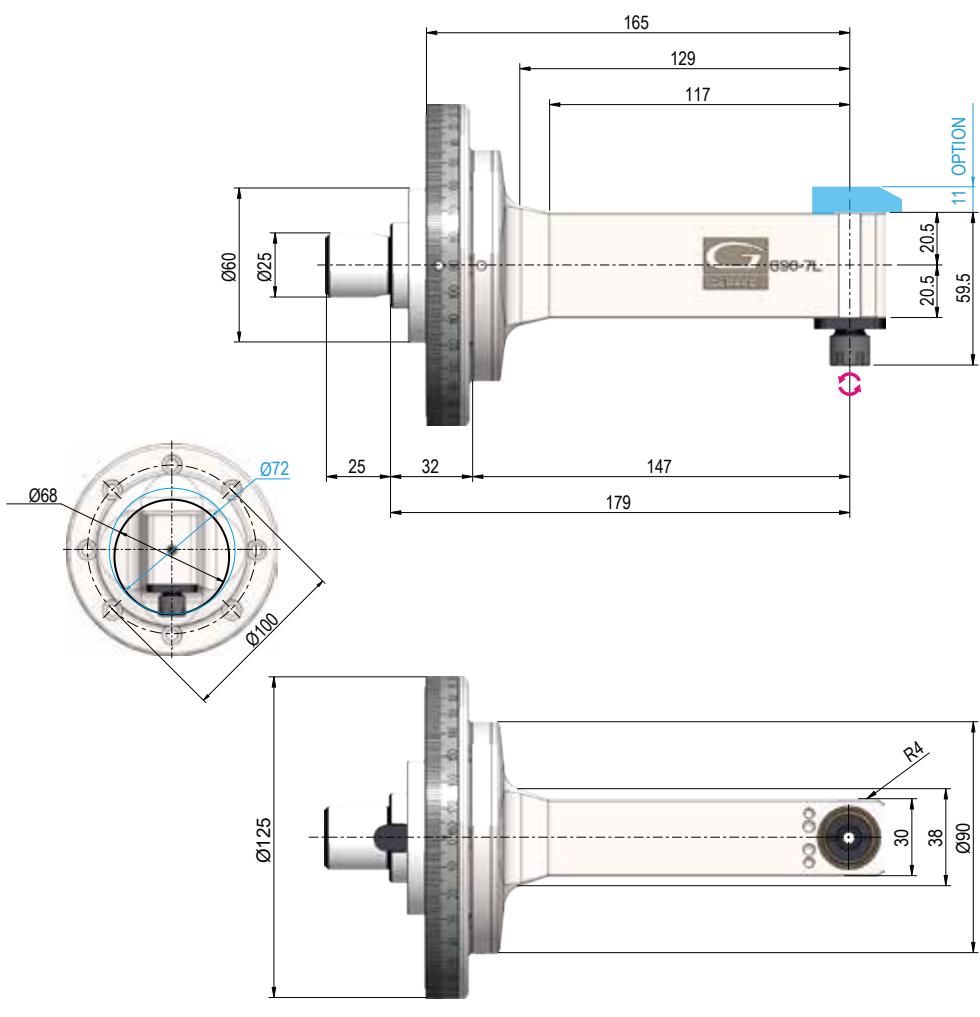
DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Distr. - Through Distr. Max 10bar RPM 6000 - **Green running YES**
OUTPUT - Weldon Max Ø8

DOUBLE OUTPUT - ER11 - ER 8M



G90-7L

TYPE 1

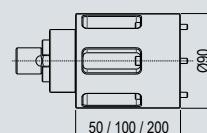
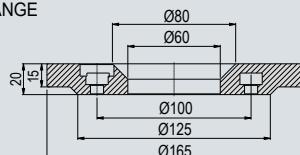


Dati tecnici - Technical data

	Ratio 1:1		Kg 4
	Rpm 10.000		Ø 7
	N 120		M 6
	Nm 5		ER-1 Ø1/7

 Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	 SK DIN 69871	 CAT ANSI B5.50	 BT MAS 403	 HSK DIN 69893	 C. ISO 26623	 ISO DIN2080										
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8	40	50



IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8.5Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

**Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni**

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFR. - COOLANT - dal Perno - Through Distr. Max 10bar - 6000Rpm - Dry running YES

OUTPUT Woden Max 08

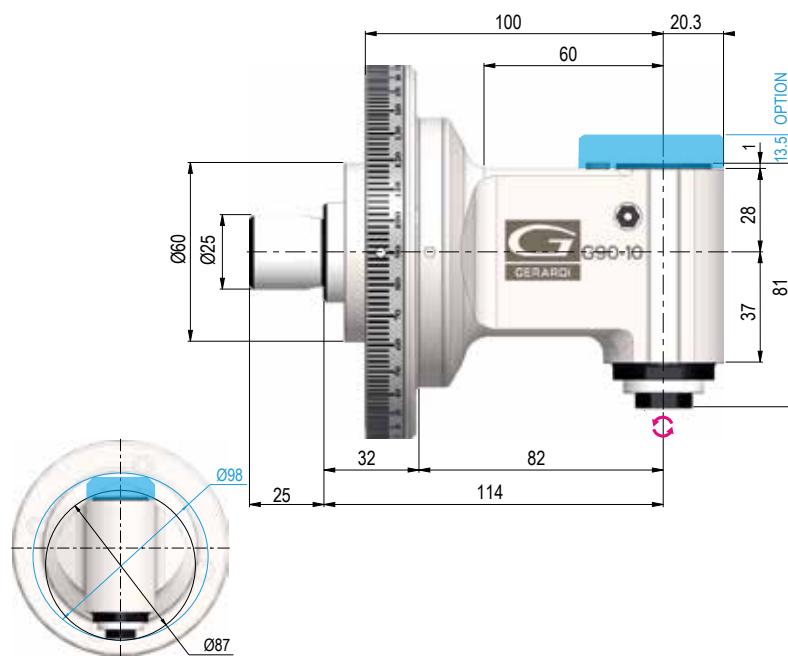
DOUBLE OUTPUT - ER11 - ER-2M

G90-10

TYPE 1

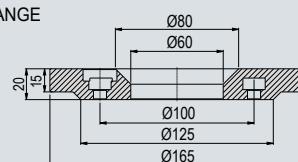
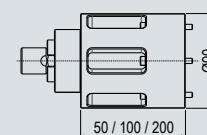

Dati tecnici - Technical data

	Ratio 1:1		Kg 4,3
	Rpm 10.000		Ø 10
	N 250		M 8
	Nm 10		ER-16 Ø 1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
 TIPO - TYPE 1 (pag - page 1.97)

PROLUNGA - EXTENSION
 TIPO - TYPE 1

IMBALLO & PESO - PACK WEIGHT:
 Valigetta - Bag 9Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

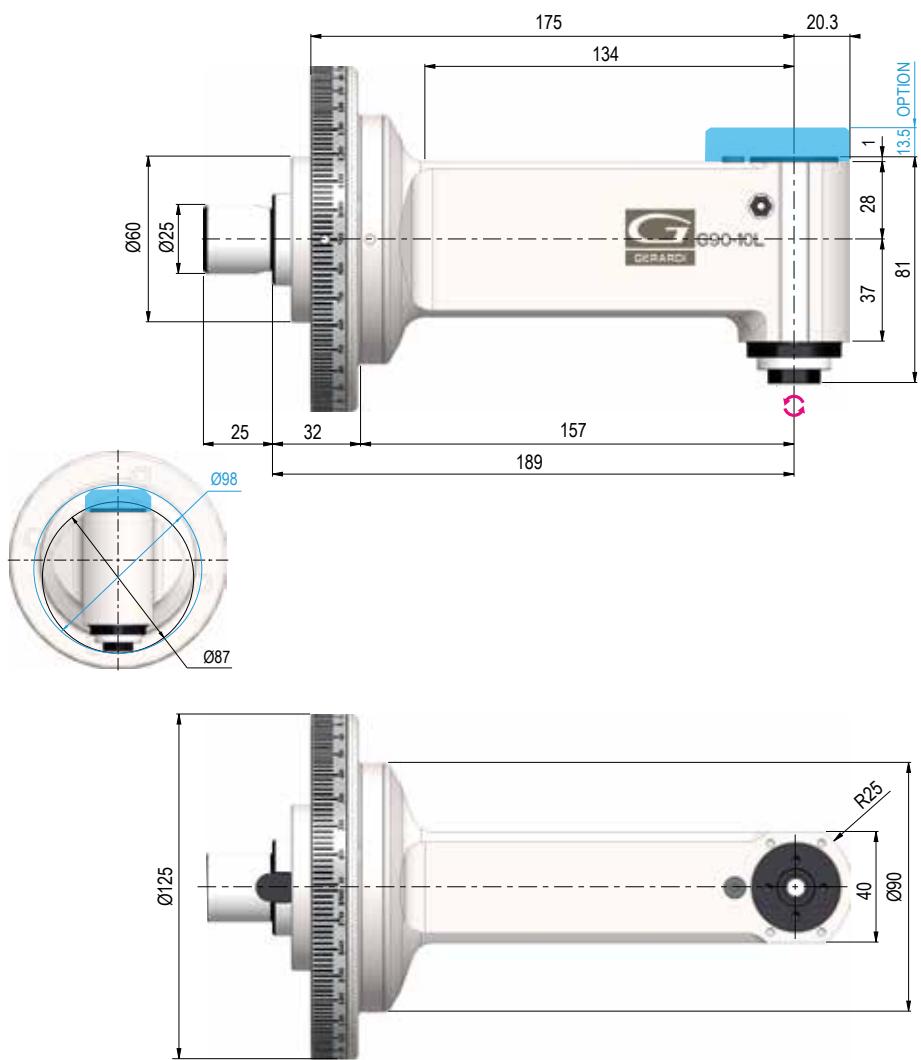
OPZIONI - OPTIONS

REFR. - COOLANT - dal Distr. - Through Distr. Max 10bar RPM 4000 - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distr. Max 40bar RPM 4000 - Dry running NO

DOUBLE OUTPUT - ER16 - ER 11M

OUTPUT - Weldon Max Ø12
OUTPUT - Shell mill holder Ø13
OUTPUT - ER 20


G90-10L

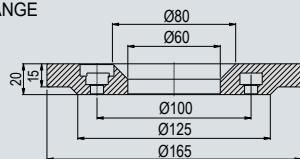
TYPE 1



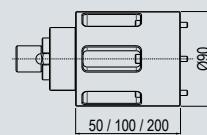
↻ Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
TIPO - TYPE 1 (pag - page 1.97)



PROLUNGA - EXTENSION
TIPO - TYPE 1



IMBALLO & PESO - PACK WEIGHT:
 Valigetta - Bag 10,5Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT
 Valigetta / Fiangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFR. - COOLANT - dal Distr. - Through Distr. Max 10bar RPM 4000 - **Dry running YES**

REFR. - COOLANT - dal Distr. - Through Distr. Max 40bar RPM 4000 - **Dry running NO**

DOUBLE OUTPUT - ER16 - ER 11M

OUTPUT - Weldon Max Ø12

OUTPUT - Shell mill holder Ø13

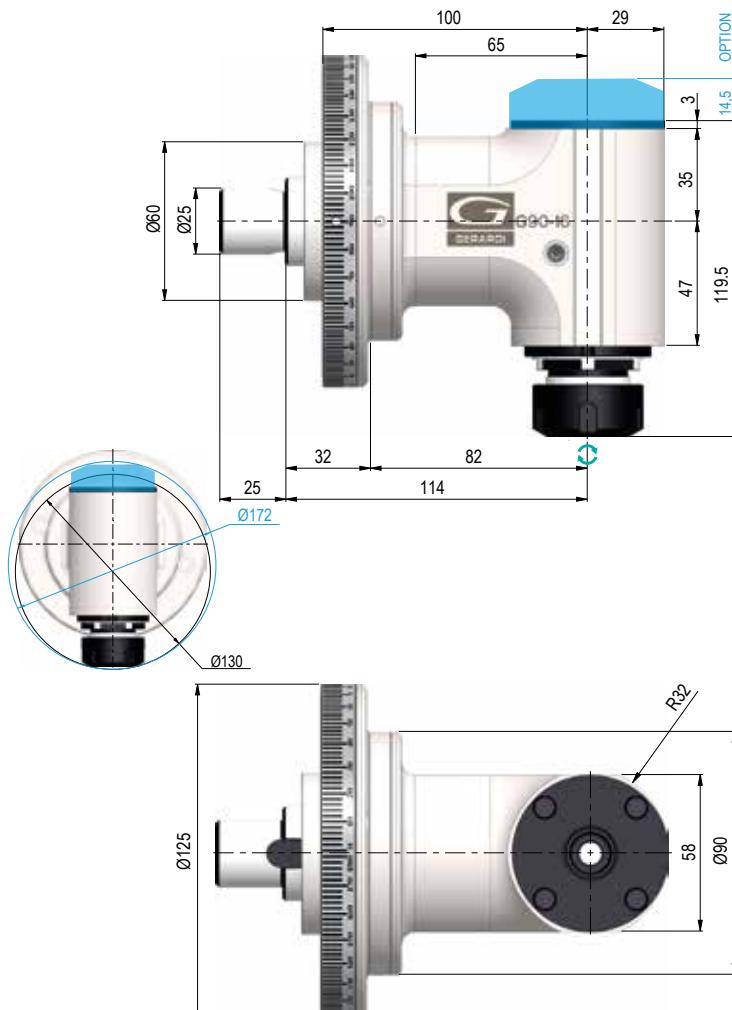
OUTPUT - ER 20

G90-16

TYPE 1

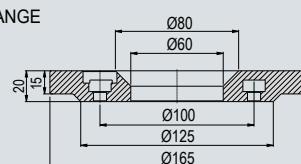
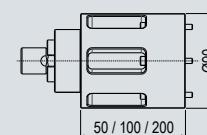

Dati tecnici - Technical data

	Ratio 1:1		Kg 4,5
	Rpm 8.000		Ø 16
	N 510		M 12
	Nm 24		ER-25 Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
 TIPO - TYPE 1 (pag - page 1.97)

PROLUNGA - EXTENSION
 TIPO - TYPE 1

IMBALLO & PESO - PACK WEIGHT:
 Valigetta - Bag 9Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFR. - COOLANT - dal Distr. - Through Distr. Max 10bar RPM 4000 - **Dry running YES**
REFR. - COOLANT - dal Distr. - Through Distr. Max 40bar RPM 4000 - **Dry running NO**
DOUBLE OUTPUT - ER25 - ER 16M

OUTPUT - Weldon Max Ø16

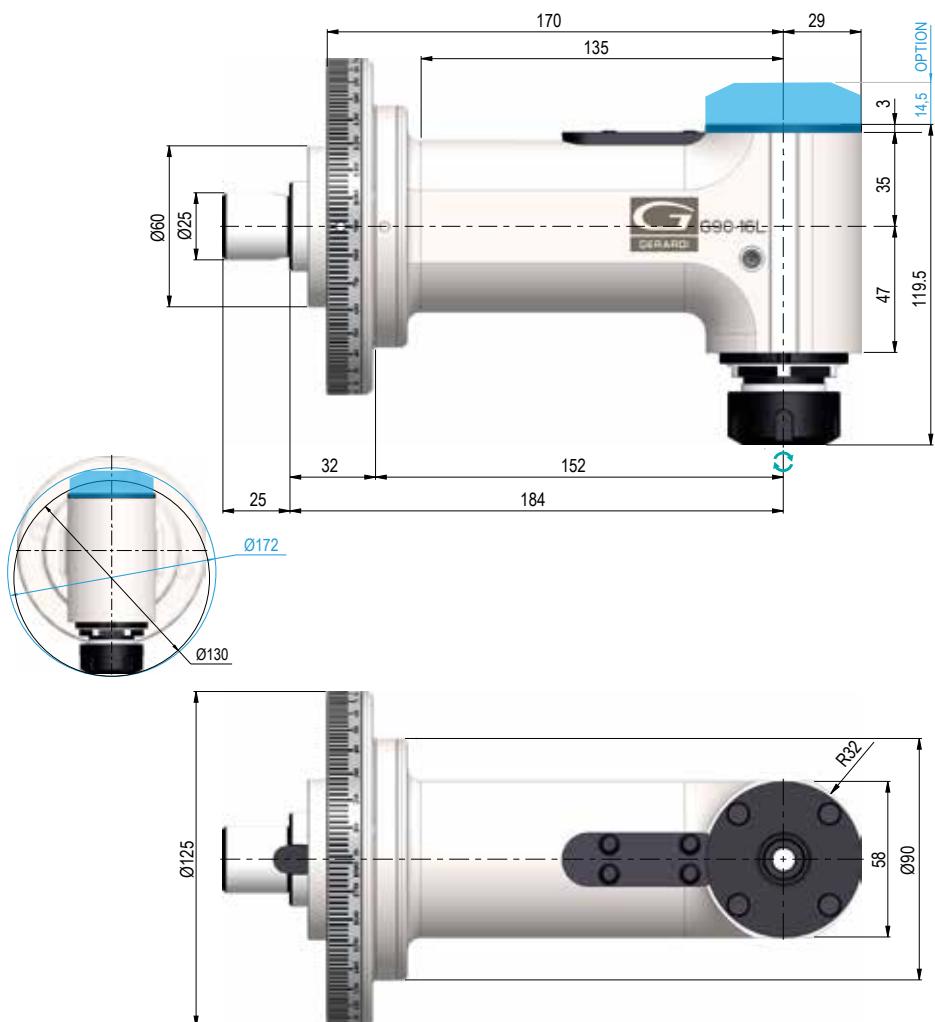
OUTPUT - Shell mill holder Ø16

OUTPUT - ER 32

OUTPUT - HSK 32

G90-16L

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,1
	Rpm 8.000		Ø 16
	N 510		M 12
	Nm 24		ER-25 Ø1/16

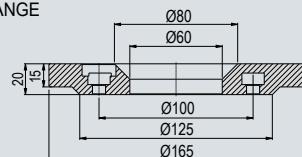


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

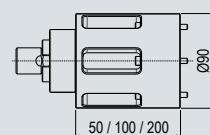
Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 1 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 1


IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFR. - COOLANT - dal Distr. - Through Distr. Max 10bar RPM 4000 - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distr. Max 40bar RPM 4000 - Dry running NO

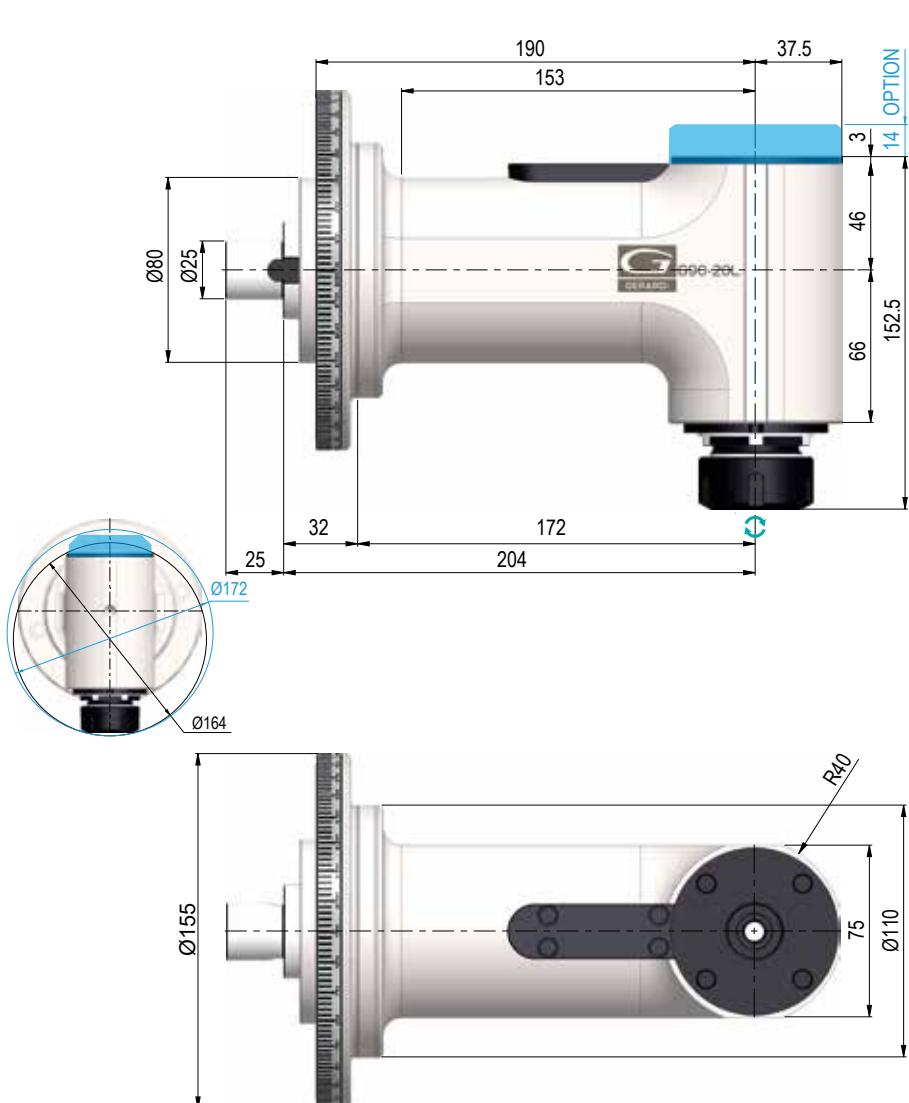
DOUBLE OUTPUT - ER25 - ER 16M

OUTPUT - Weldon Max Ø16

OUTPUT - Shell mill holder Ø16

OUTPUT - ER 32

OUTPUT - HSK 32


G90-20L

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 12,2
	Rpm 4.000		Ø 20
	N 1.250		M 16
	Nm 40		ER-32 Ø2/20

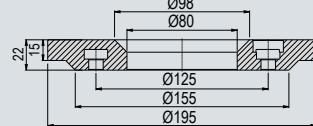


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

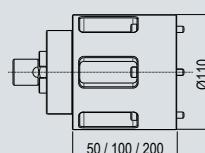
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 17,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 6000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Distr. - Through Distributor - Max 10bar - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distributor - Max 40bar - Dry running NO

OUTPUT - Weldon Max Ø20

OUTPUT - HSK 40

OUTPUT - Shell mill holder Ø22

OUTPUT - ISO / CAT / BT 30

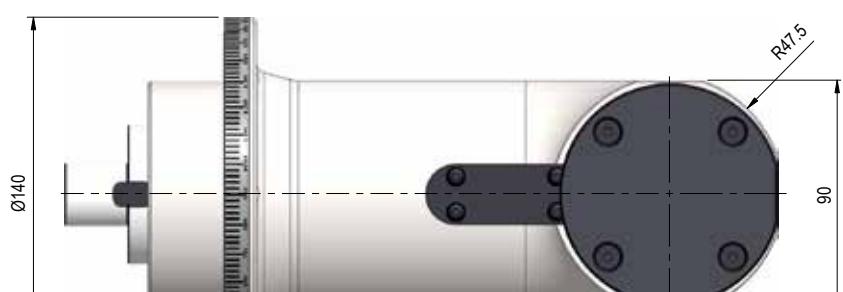
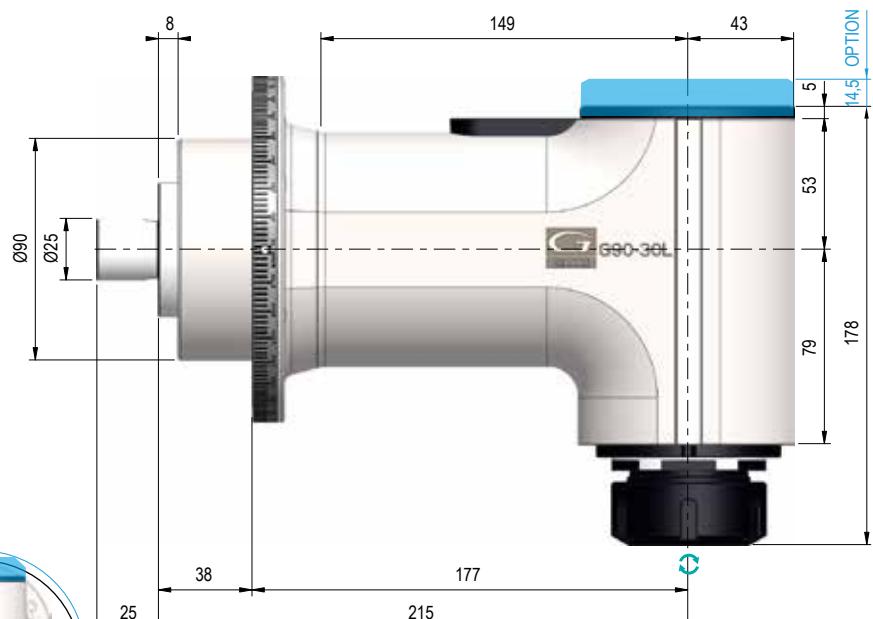
OUTPUT - C4

DOUBLE OUTPUT - ER32 - ER20M

OUTPUT - ER40

G90-30L

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 20
	Rpm 4.000		Ø30
	N 1.750		M20
	Nm 75		ER-40 Ø3/30

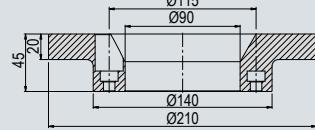


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

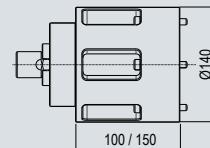
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 3 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 3


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 35Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm - Internal coolant NO

REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - Dry running NO

OUTPUT - Weldon Max Ø25

OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø27
OUTPUT - ISO 30
OUTPUT - C4
DOUBLE OUTPUT - ER32 - ER20M

G90-S40

TYPE 4


Dati tecnici - Technical data

 Ratio
1:1

Kg 22

 Rpm
4.000

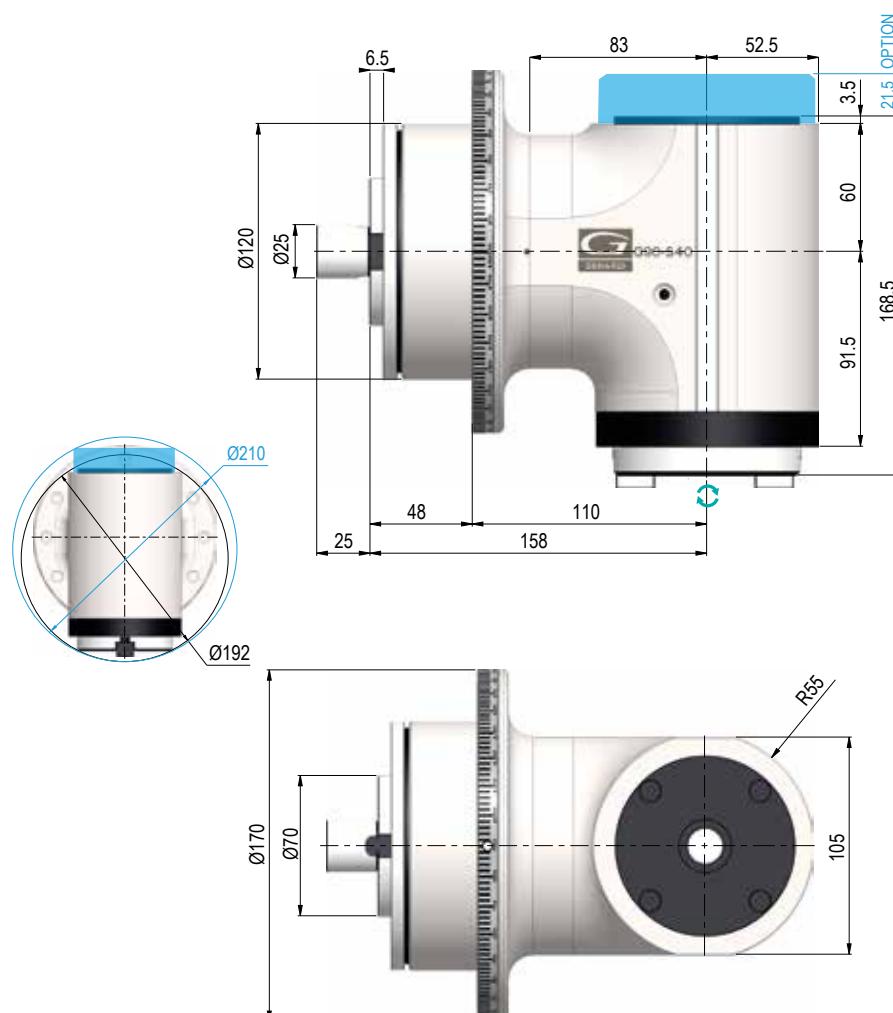
Ø26

N 1.800

M20

Nm 140

ISO/CAT / BT40

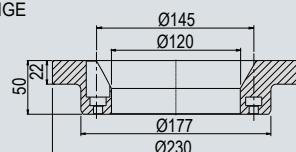


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080						
Grandezza - Size	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 4 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 37Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 5000 Rpm - Internal coolant NO

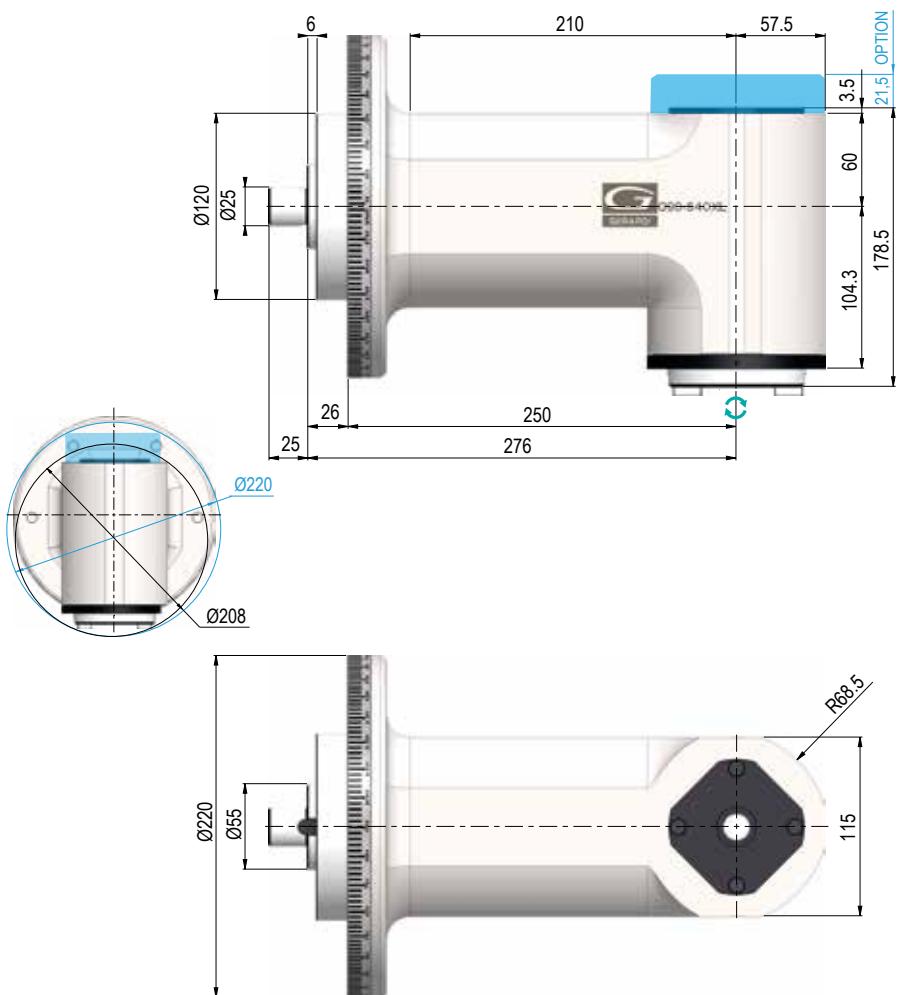
REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - Dry running NO

OUTPUT - HSK 63
OUTPUT - C4
OUTPUT - C5

G90-S40XL

TYPE 5

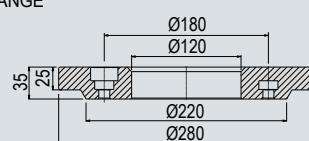


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080						
Grandezza - Size	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 5 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 47Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 5000 Rpm - **Internal coolant NO**REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - **Dry running YES**REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - **Dry running NO**
OUTPUT - HSK 63
OUTPUT - C4
OUTPUT - C5

G90-S40XL xx

TYPE 5

Lengths .400 | .500 | .600 | .700

**Dati tecnici - Technical data**

Ratio 1:1

 L400: Kg 57
 L500: Kg 67
 L600: Kg 78
 L700: Kg 86

Rpm 4.000

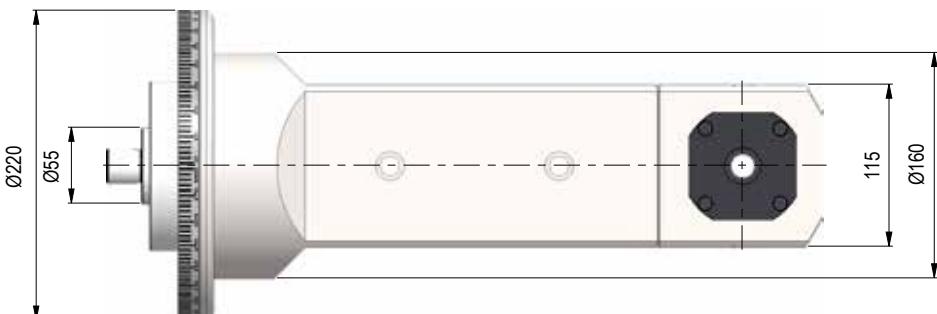
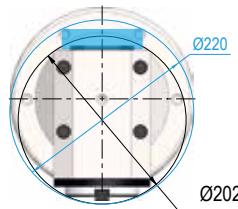
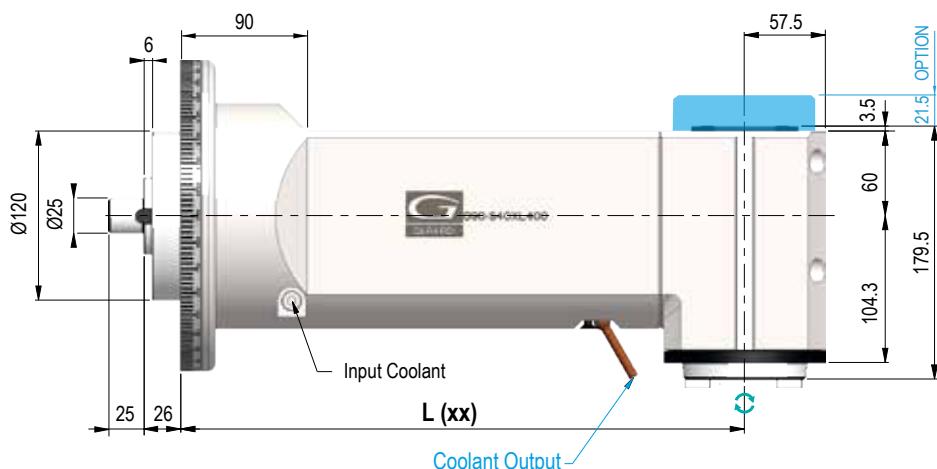
Ø30

N 2.400

M22

Nm 140

ISO / CAT / BT40

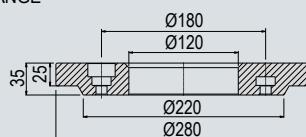


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	40	50	40	50	63 80 100	C5 C6 C8 40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 5 (pag - page 1.97)

**IMBALLO & PESO - PACK WEIGHT:**

Cassa in Legno - Wooden Box Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONSHIGH SPEED - 5000 Rpm - **Internal coolant NO**REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - **Dry running YES**REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - **Dry running NO****SPECIAL LENGTH**

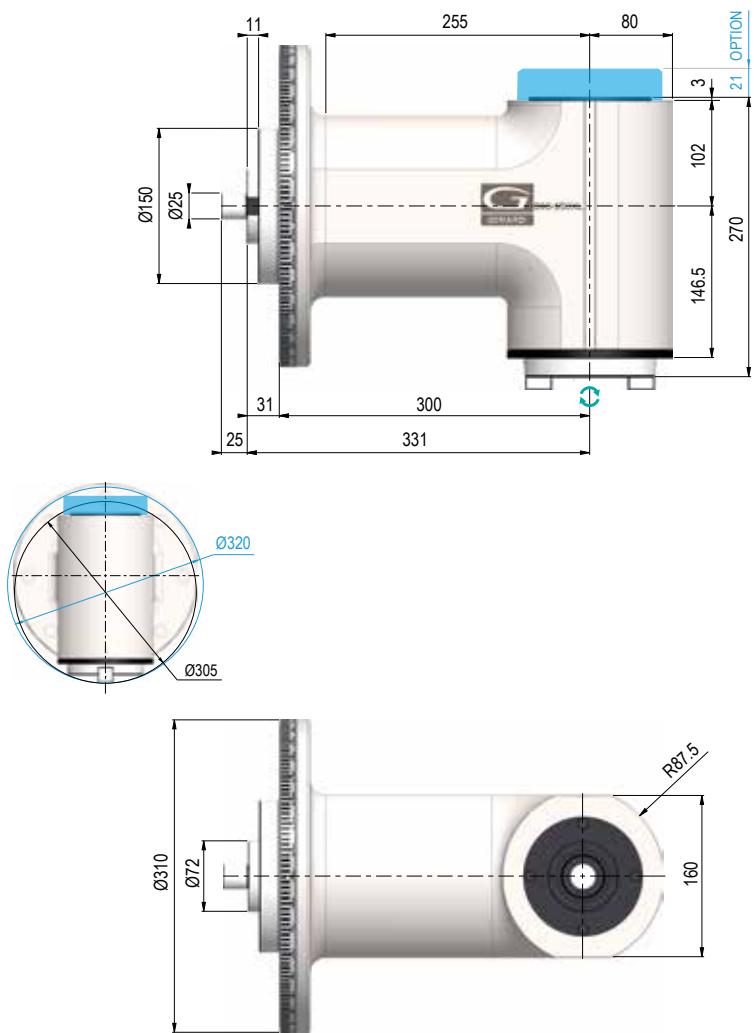
OUTPUT - HSK 63

OUTPUT - C4

OUTPUT - C5

G90-S50

TYPE 6


Dati tecnici - Technical data

	Ratio 1:1		Kg 77
	Rpm 3.000		Ø45
	N 3.300		M36
	Nm 400		ISO / CAT / BT50

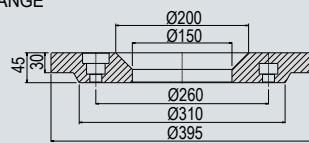


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 6 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 4000 Rpm - **Internal coolant NO**REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - **Dry running YES**REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - **Dry running NO**

OUTPUT - HSK 63

OUTPUT - C6

OUTPUT - C8

G90-S50XL xx

TYPE 6

Lengths .400	.500	.600	.700	.800
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Dati tecnici - Technical data

Ratio 1:1

 L400: Kg 149
 L500: Kg 169
 L600: Kg 190
 L700: Kg 211
 L700: Kg 231

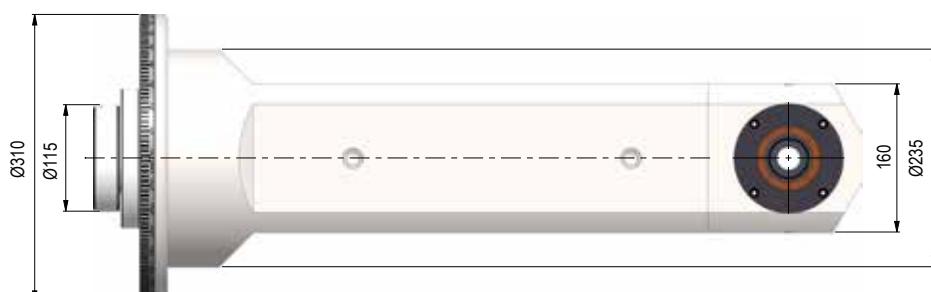
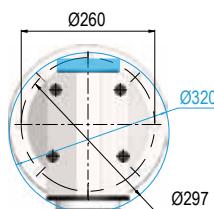
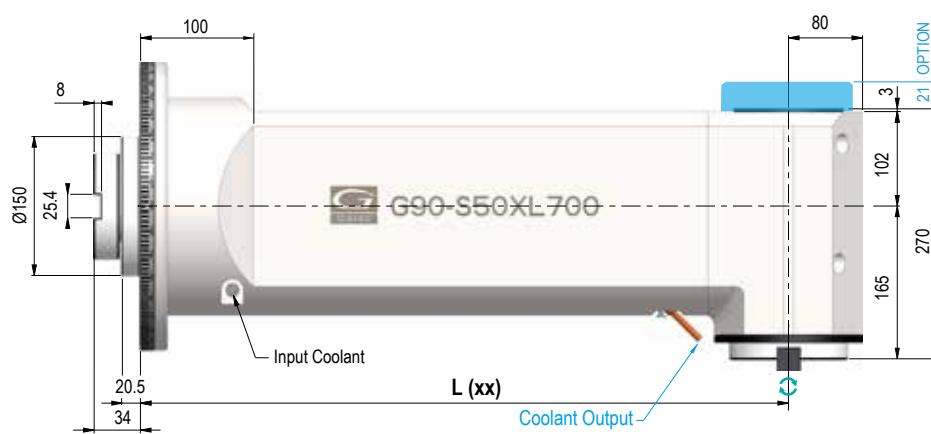
Rpm 3.000

Ø45

N 3.300

 M36
 ISO / CAT / BT50

Nm 400

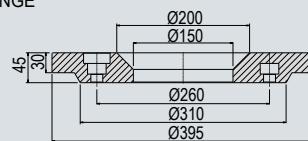


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080						
Grandezza - Size	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 6 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 4000 Rpm

REFR. - COOLANT - dal Distr. - Through Distributor- Max 10bar - Dry running YES

REFR. - COOLANT - dal Distr. - Through Distributor - Max 30bar - Dry running NO

SPECIAL LENGTH

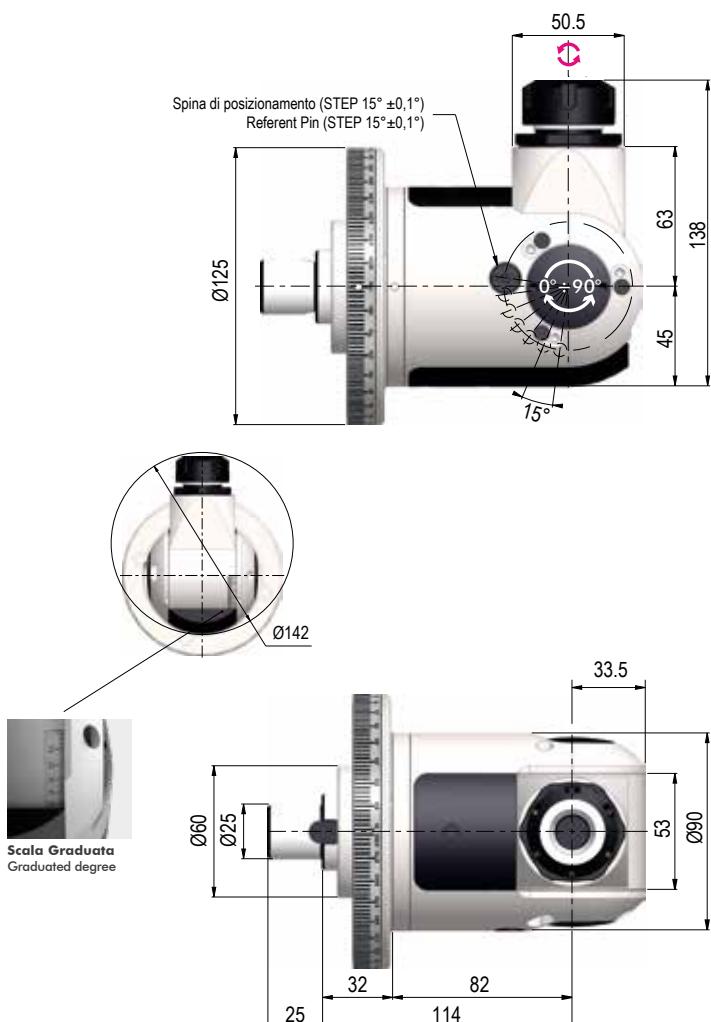
OUTPUT - HSK 63

OUTPUT - C6

OUTPUT - C8

GMU-16

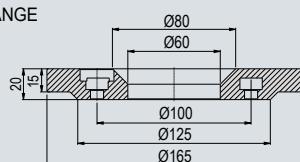
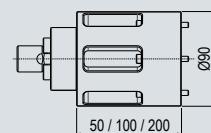
TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,3
	Rpm 4.000		Ø16
	N 480		M14
	Nm 18		ER-25 Ø1/16

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE
 TIPO - TYPE 1 (pag - page 1.97)

PROLUNGA - EXTENSION
 TIPO - TYPE 1

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

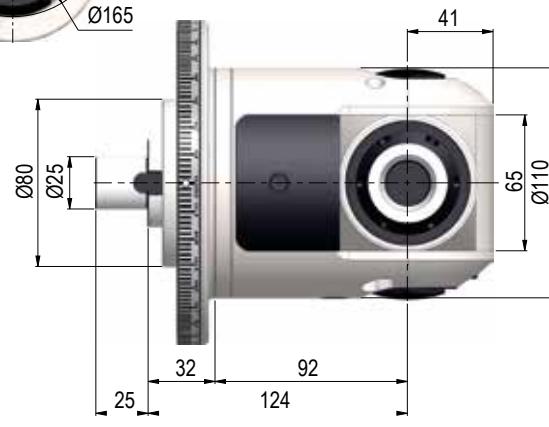
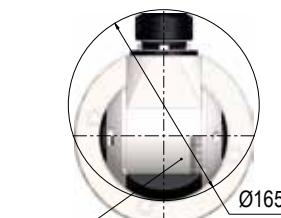
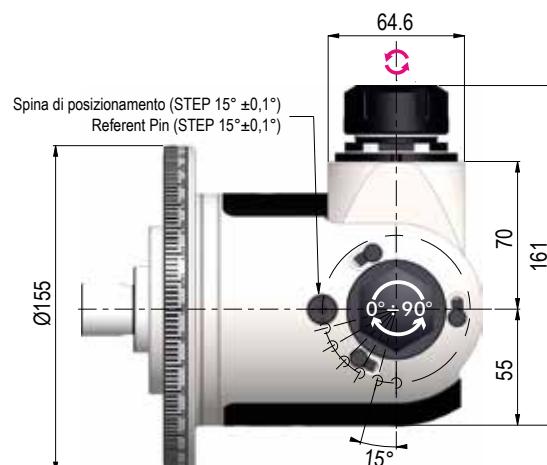
OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16**HIGH SPEED** - 6000 Rpm**QUICK POSITIONING** - Portafresa Toolholder Ø16

GMU-20

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 13
	Rpm 4.000		Ø20
	N 715		M16
	Nm 32		ER-32 Ø2/20

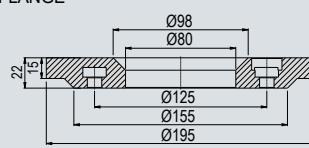


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

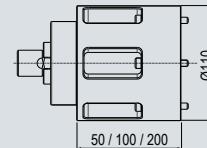
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

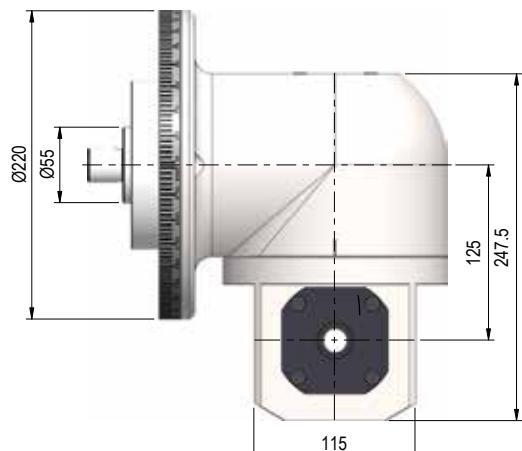
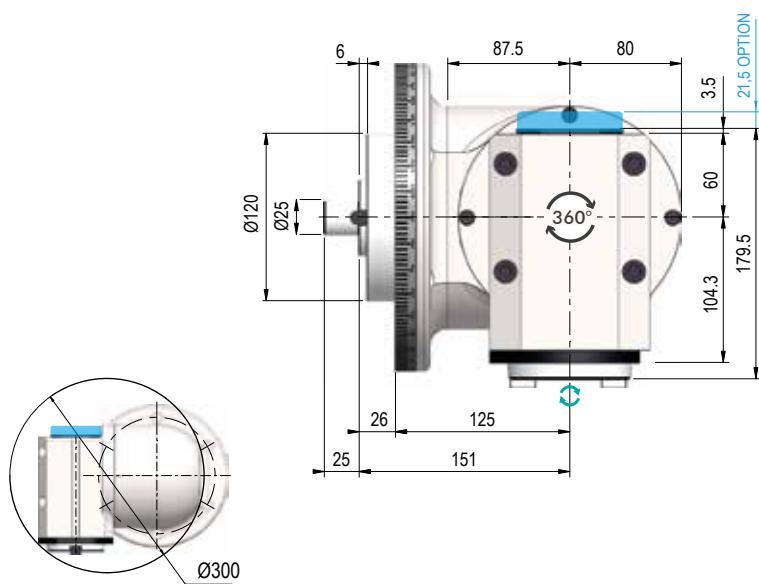
Valigetta - Bag 18Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm
QUICK POSITIONING - Portafresa Toolholder Ø16

GMU-S40-125 TYPE 5

Dati tecnici - Technical data

	Ratio 1:1		Kg 59,3
	Rpm 3.000		Ø30
	N 2.400		M22
	Nm 100		ISO / CAT / BT40

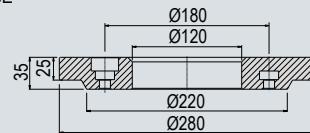


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 5 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 4000 Rpm

REFR. - COOLANT - dal Distr. - Through Distributor - Max 10bar - Dry running YES

OUTPUT - HSK 63

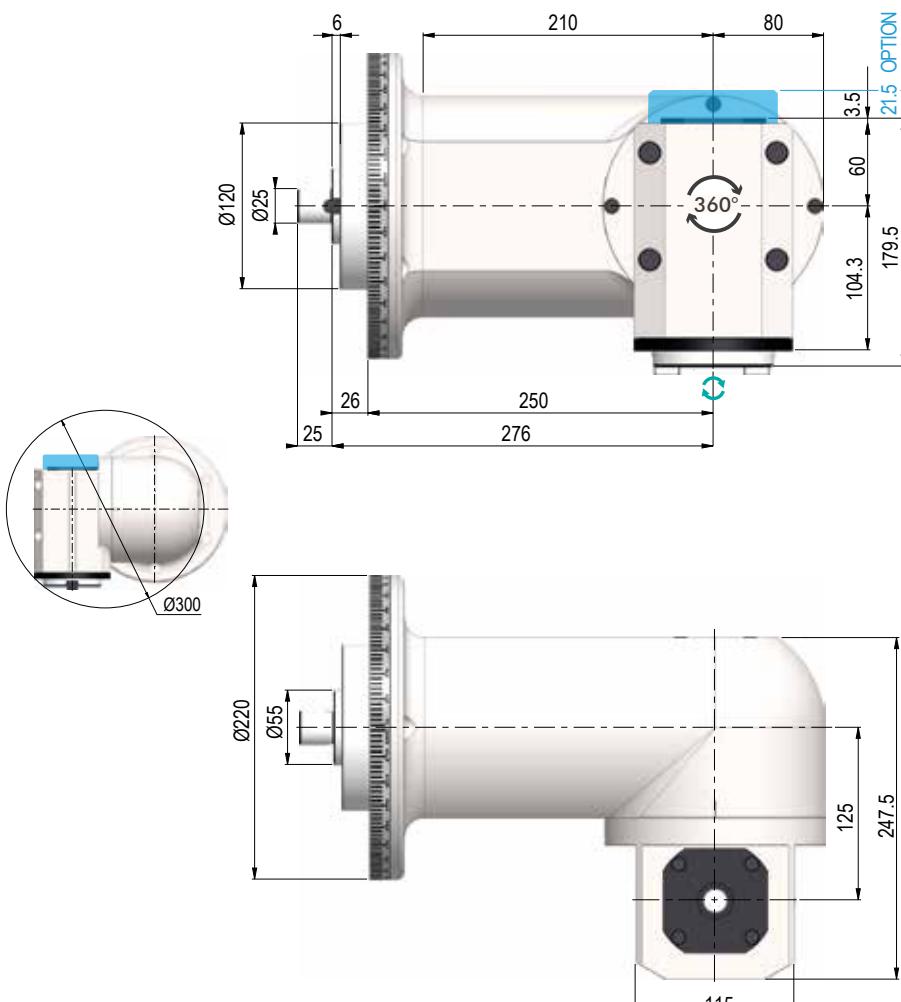
OUTPUT - C4

GMU-S40

TYPE 5


Dati tecnici - Technical data

	Ratio 1:1		Kg 49,5
	Rpm 3.000		Ø30
	N 2.400		M22
	Nm 100		ISO /CAT BT 40

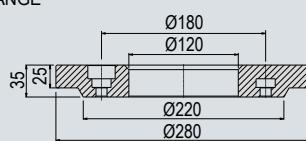


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 5 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

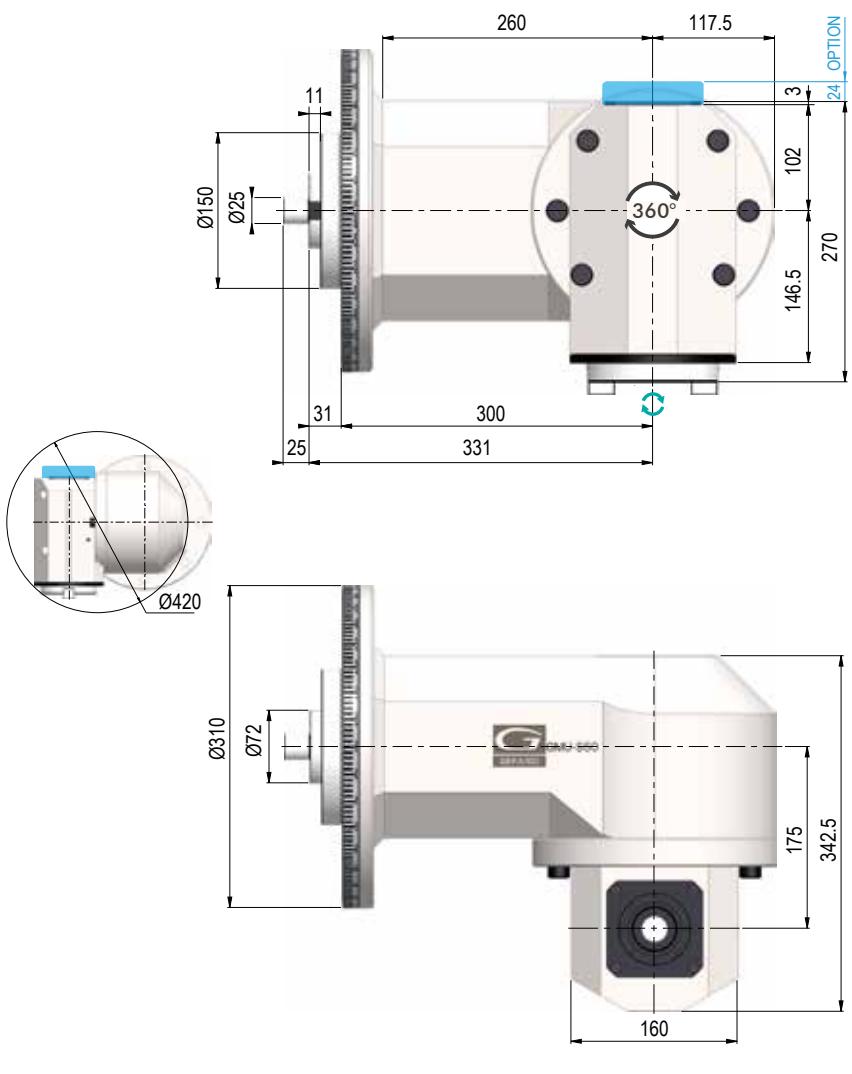
Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 4000 Rpm

REFR. - COOLANT - dal Distr. - Through Distributor - Max 10bar - Dry running YES

OUTPUT - HSK 63
OUTPUT - C6


GMU-S50

TYPE 6


Dati tecnici - Technical data

	Ratio 1:1		Kg 121
	Rpm 3.000		Ø45
	N 3.300		M36
	Nm 220		ISO / CAT / BT50

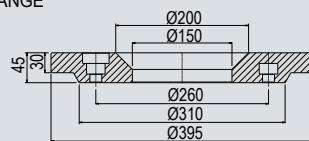


Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 6 (pag - page 1.97)


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

HIGH SPEED - 4000 Rpm

REFR. - COOLANT - dal Distr. - Through Distributor - Max 10bar - Dry running YES

OUTPUT - HSK 63

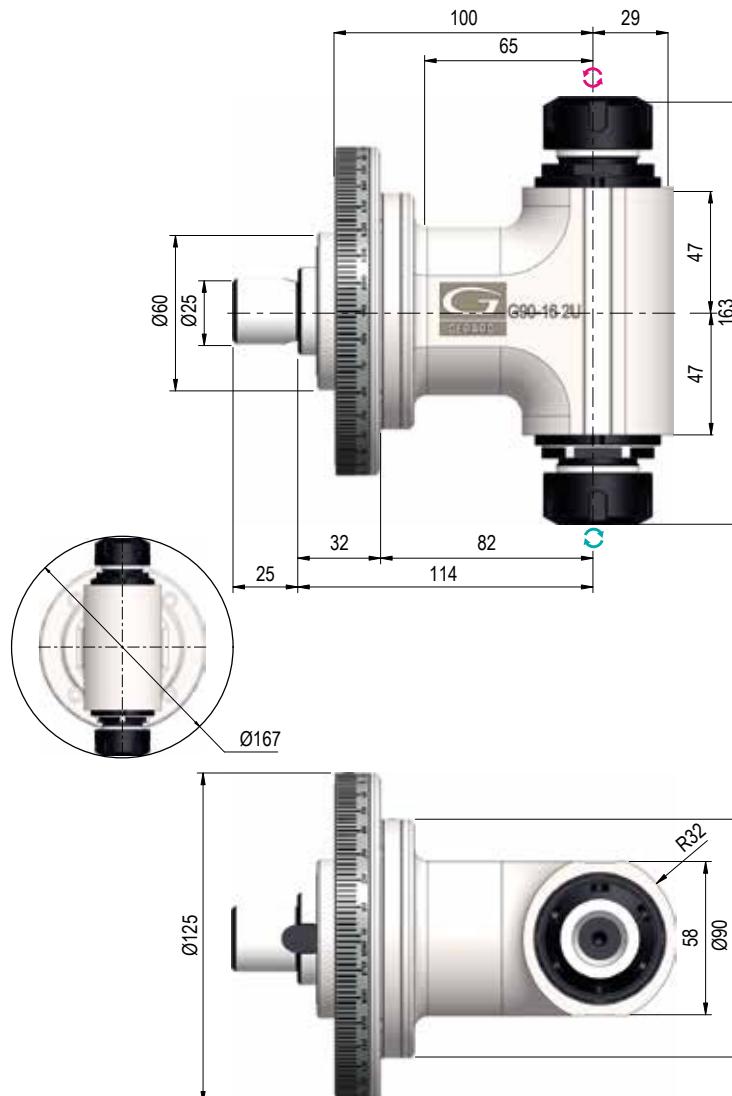
OUTPUT - C6

G90-16 2U

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 5,6
	Rpm 4.000		Ø16
	N 510		M12
	Nm 24		ER-25 Ø1/16

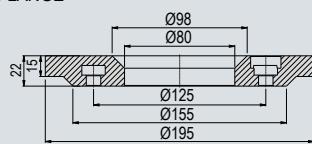


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

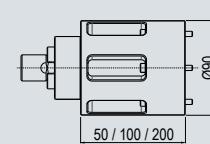
Coni - Shanks	SK DIN 69871	CAT ANSI B5.50	BT MAS 403	HSK DIN 69893	C. ISO 26623	ISO DIN2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 1 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 1


IMBALLO & PESO - PACK WEIGHT:

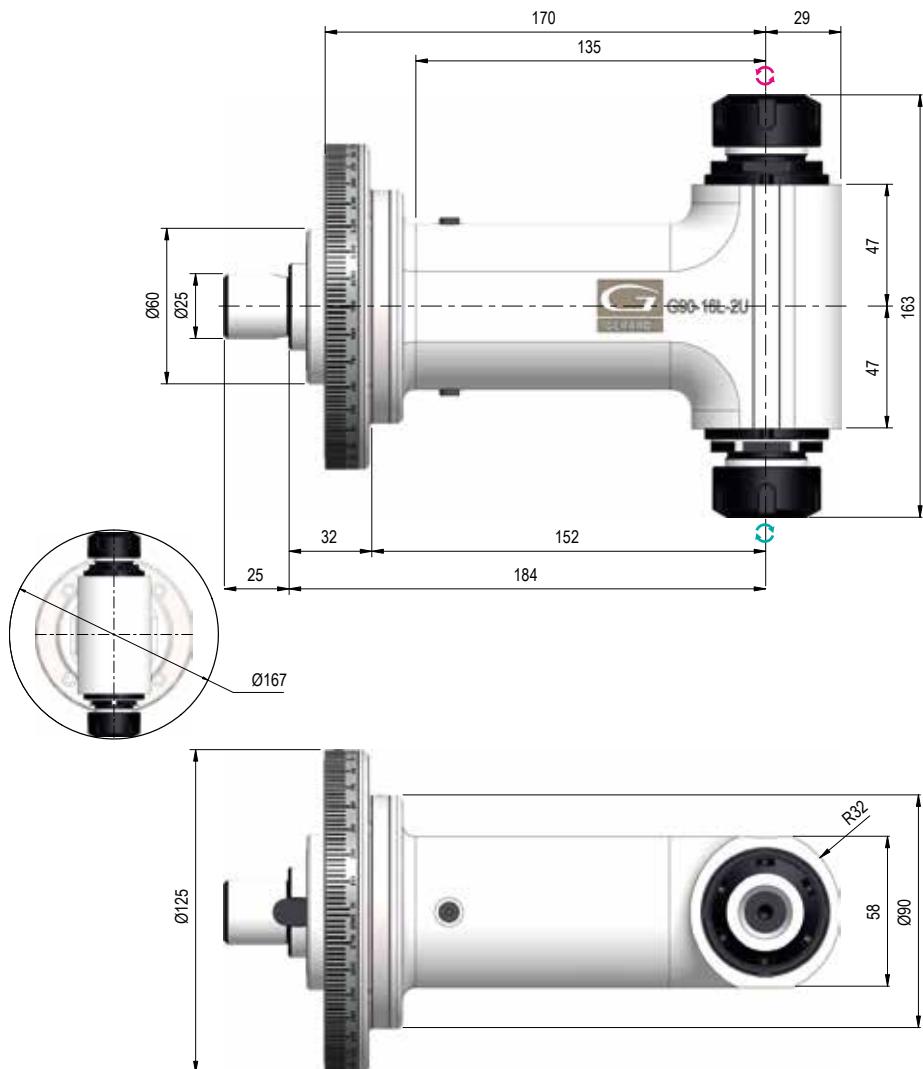
Valigetta - Bag 11Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 8000 Rpm
OUTPUT - Weldon Max Ø16 (X2)
OUTPUT - HSK 32 (X2)
OUTPUT - Shell mill holder Ø16 (X2)


G90-16L 2U

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		Kg 6,1
	Rpm 4.000		Ø16
	N 510		M12
	Nm 24		ER-25 Ø1/16

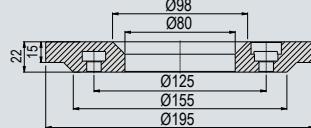


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

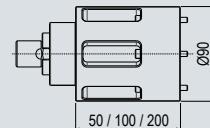
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080				
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 1 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 1


IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

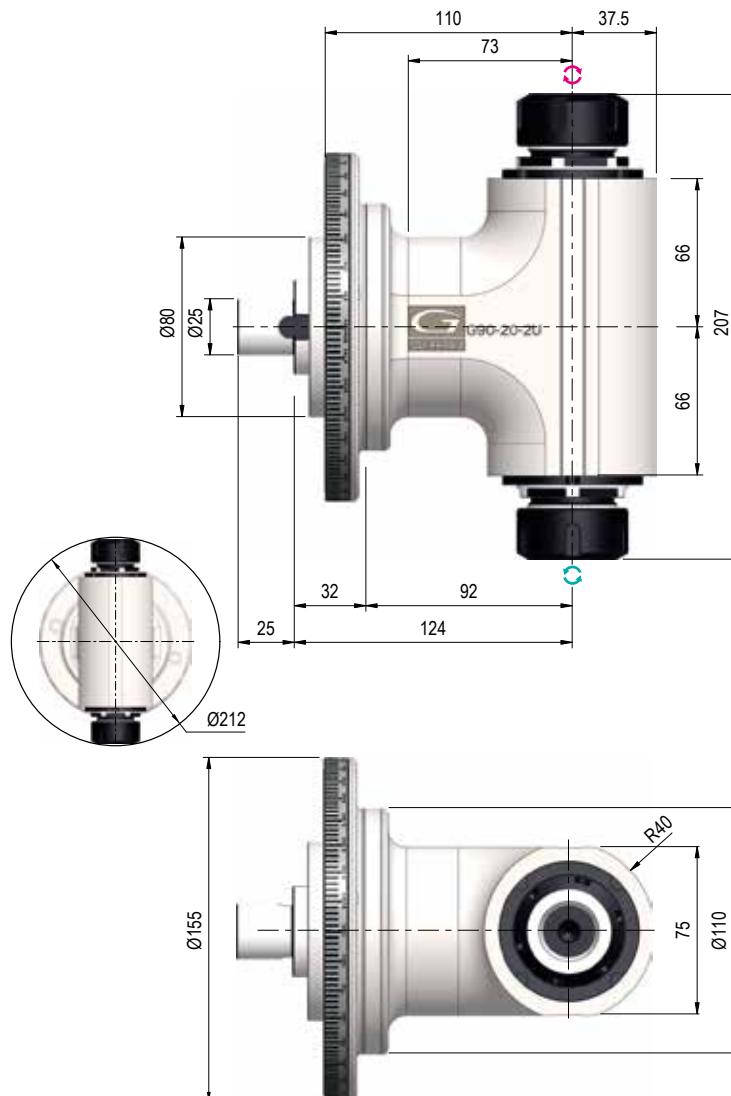
OPZIONI - OPTIONS
HIGH SPEED - 8000 Rpm
OUTPUT - Weldon Max Ø16 (X2)**OUTPUT -** HSK 32 (X2)**OUTPUT -** Shell mill holder Ø16 (X2)

G90-20 2U

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 14
	Rpm 4.000		Ø20
	N 1.250		M16
	Nm 40		ER-32 Ø2/20

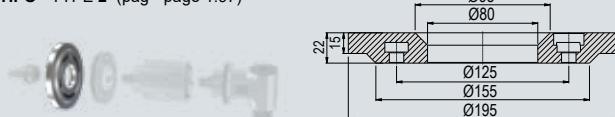


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

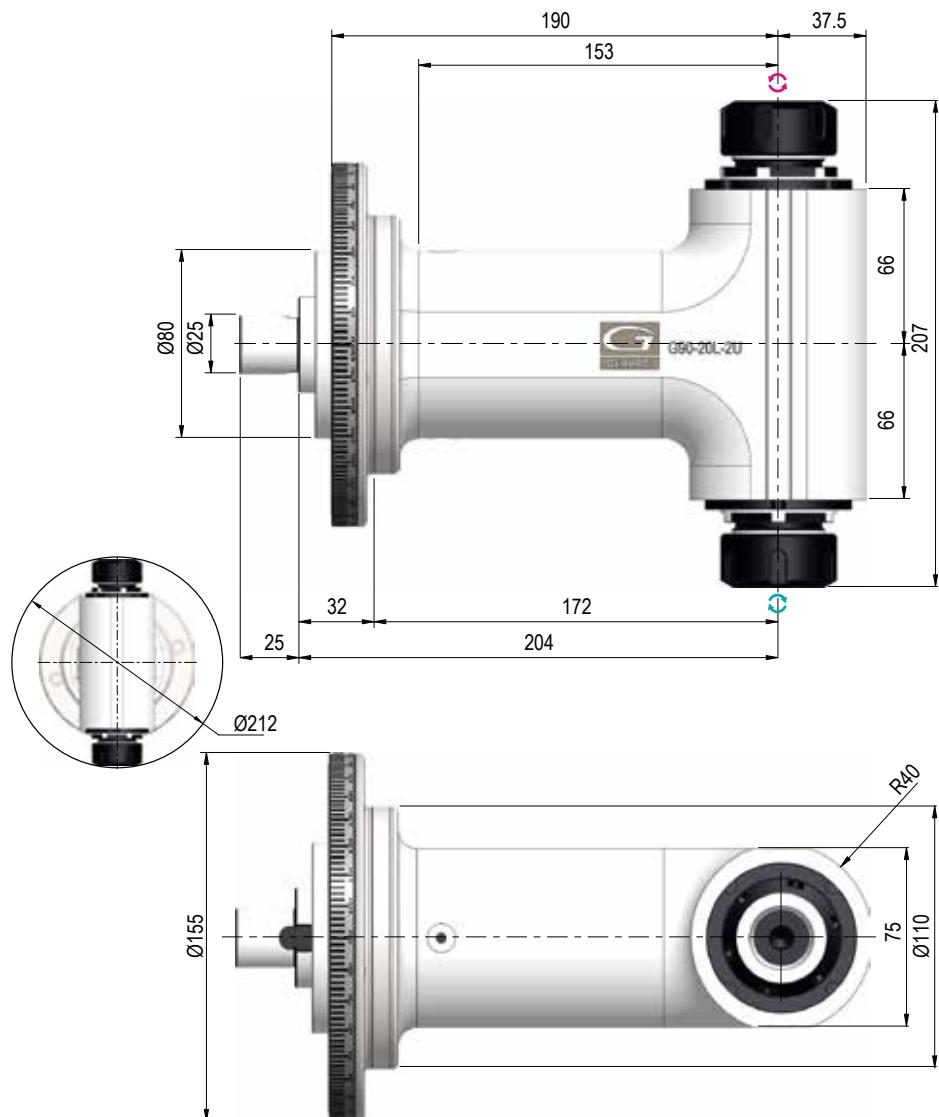
Valigetta - Bag 21Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm
OUTPUT - Weldon Max Ø20 (X2)
OUTPUT - HSK 40 (X2)
OUTPUT - Portafresa Toolholder Ø20 (X2)


G90-20L 2U

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		Kg 15,5
	Rpm 4.000		Ø20
	N 1.250		M16
	Nm 40		ER-32 Ø2/20

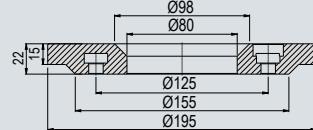


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

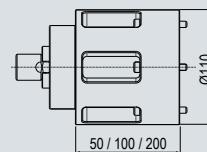
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 31Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

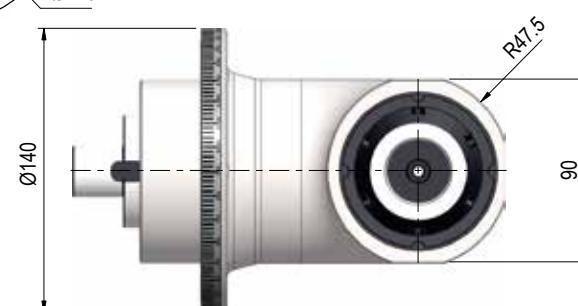
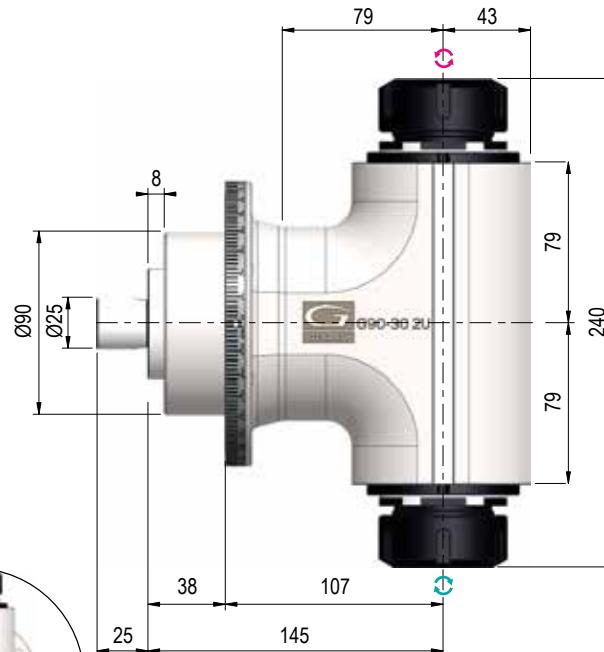
OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm**OUTPUT - Weldon Max Ø20 (X2)****OUTPUT - HSK 40 (X2)****OUTPUT - Shell mill holder Ø22 (X2)**

G90-30 2U

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 20
	Rpm 4.000		Ø30
	N 1.750		M20
	Nm 75		ER-40 Ø3/30

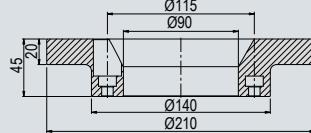


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

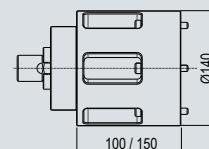
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 3 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 3


IMBALLO & PESO - PACK WEIGHT:

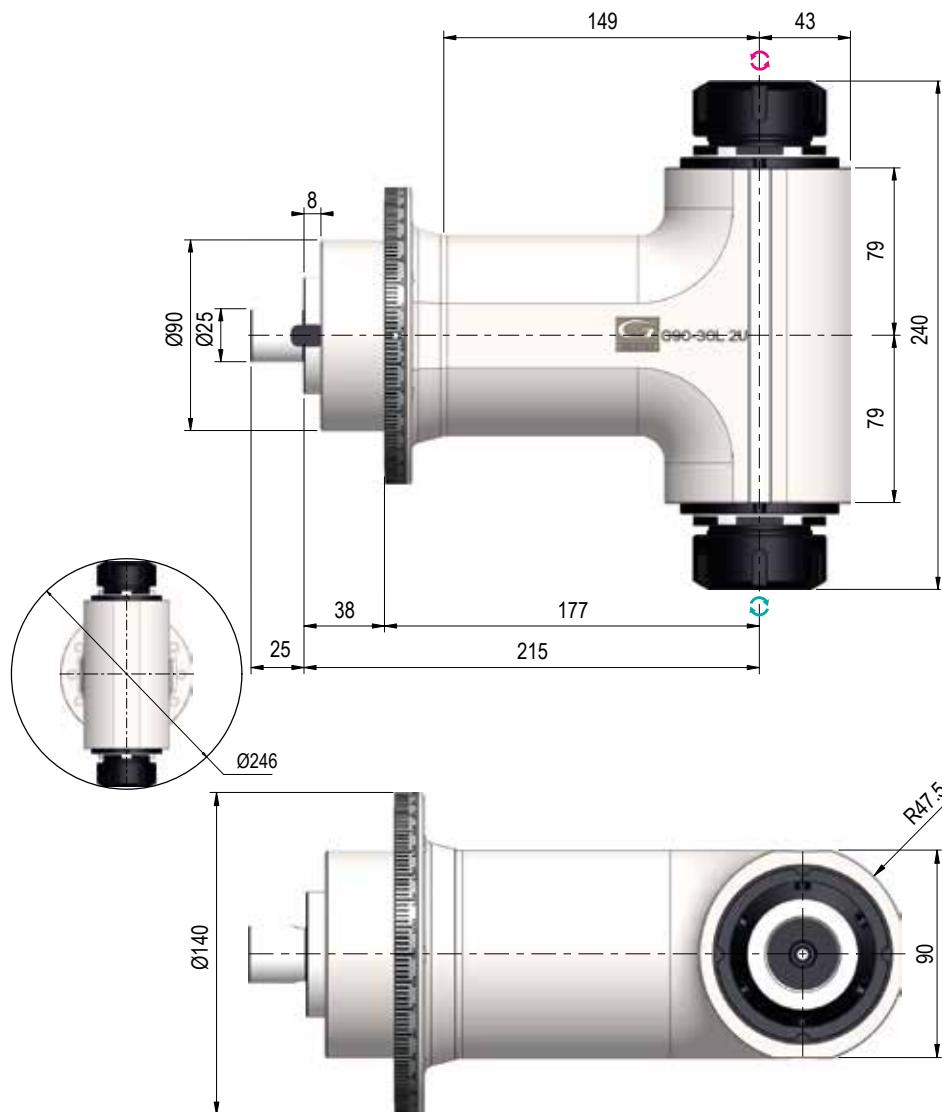
Cassa in Legno - Wooden Box 35Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm
OUTPUT - Weldon Max Ø25 (X2)
OUTPUT - HSK 40 (X2)
OUTPUT - Shell mill holder Ø27 (X2)


G90-30L 2U

TYPE 3


Dati tecnici - Technical data

	Ratio 1:1		Kg 23
	Rpm 4.000		Ø30
	N 1.750		M20
	Nm 75		ER-40 Ø3/30

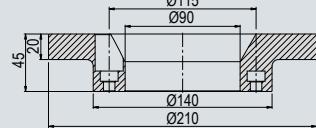


Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

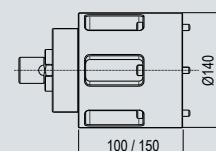
Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893		C. ISO 26623		ISO DIN2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 3 (pag - page 1.97)


PROLUNGA - EXTENSION

TIPO - TYPE 3


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 38Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
HIGH SPEED - 6000 Rpm**OUTPUT - Weldon Max Ø25 (X2)****OUTPUT - HSK 40 (X2)****OUTPUT - Shell mill holder Ø27 (X2)**

Teste Angolari / Angle Heads ACCESSORIES


**Cambi rapidi Modulari
Modular Quick Change**
2.0

**ReCool Nuts
fino a / Up to
150 Bar**

Accessori Classic Line - Classic Line Accessories

from 1.10 to 1.54



SERIE ATC / ATC SERIES

E' la linea di teste adatte ai centri di lavoro, trasportabile automaticamente dal magazzino utensili al mandrino e viceversa. Corpo testa orientabile di 360° su ASSE MANDRINO. Quando la testa non è in posizione di lavoro, un sistema di aggancio impedisce la rotazione del cono rispetto al corpo testa. Una caratteristica primaria delle teste Classic - ATC è l'albero centrale realizzato in un solo pezzo con il cono di attacco, per offrire la massima rigidità. Recentissima novità è il perno di fermo intercambiabile.

This range of heads is designed to be used on machining centres and can be automatically transferred from the tool magazine to the machine spindle and back. Angle head body adjustable at 360° on SPINDLE AXIS. This allows easy adjustment of the drive taper and head relative to arrester block mounted on the front of the machining centres' spindle housing. When the head is unloaded from the machine spindle, a safety latch prevents the drive taper from rotating. A major feature of the Classic ATC heads is the main input shaft which is integral with the drive taper to ensure maximum rigidity. The last news is the interchangeable positioning pin.

from 1.57 to 1.83



SERIE MTC / MTC SERIES

E' la linea di teste adatte a macchine utensili tradizionali e da fissare al mandrino tramite flangiatura. La cava a "T" ricavata sulla flangia universale permette un facile posizionamento del corpo testa sui 360° intorno al suo asse verticale. Un sistema modulare componibile, rende possibile variare la lunghezza del corpo testa aggiungendo l'elemento di prolunga. Modulo di prolunga, coni e flangia universale sono modulari e quindi intercambiabili su tutti i corpi testa appartenenti allo stesso ordine di grandezza.

This is a range of heads for traditional machine tools with flange attachment. The T-slot on the universal flange facilitates positioning the head 360° around its vertical axis. The modular system makes it possible to extend the length of the body by adding a spacer. The extension spacer, drive tapers and universal flange are modular and therefore interchangeable among all the heads of similar size.



from 1.92 to 1.93



Stop-block per ATC Stop-block for ATC

Stop-block antirottazione con bussola cementata e guarnizione per una maggiore precisione di posizionamento.

Antirotation Stop-Block with case hardened bushing and gasket for accuracy positioning.

from 7.4 to 7.6



Pinze ER ER Collets

Pinze ER, pinze biconiche realizzate in acciaio e adatte al serraggio di utensili secondo normativa DIN 6499

ER Collets, steel biconical collets for tool clamping according to DIN6499 regulation.



from 1.86 to 1.87

Ghiere ReCool Re Cool nuts

Con queste ghiere speciali è possibile ottenere il passaggio refrigerante fino a 150BAR tramite utensile anche su teste che non prevedono questa opzione

With these special nuts it is possible to get coolant through the tool (Up to 150BAR) even on angle heads which do not have this option.



from 7.12 to 7.15

Cambi Rapidi Quick changes

Il cambio rapido dell'utensile permette di ridurre i tempi morti della macchina. Tempi di installazione ridotti e possibilità di presetting a bordo macchina.

The quick change of preset tools shortens downtime of machine. Reduced set-up times and offline tool presetting possibility.

Ampia gamma di accessori e parti di ricambio per tutta la gamma di teste angolari Classic. Le ghiere e le pinze sono costruite in acciaio temprato e rettificato con macchine utensili ad alta precisione.

Wide range of accessories and spare parts for all types of angle heads Classic line. Nuts and collet are produced with top quality steel and they are hardened and grinded with high precision.



SCAN IT TO WATCH THE



VIDEO PRESENTATION



1

Un ampia gamma di accessori!
Wide range of accessories!

Prolunghe per MTC Extensions for MTC

La cava a "T", ricavata sulla flangia universale, permette un facile posizionamento del corpo testa sui 360° intorno al suo asse verticale. Un sistema modulare componibile, rende possibile variare la lunghezza del corpo testa aggiungendo l'elemento di *prolunga (Opzionale). Max 2 elementi.

The T-slot on the universal flange facilitates the positioning the head 360° around its vertical axis. The modular system makes it possible to extend the lenght of the body by adding a *extension (Optional). Max. 2 extensions admitted.



OPZIONE REFRIGERANTE INTERNO INTERNAL COOLANT OPTION

10bar	Opzione B - B Option 10bar	Opzione RI - RI Option UP TO 70bar	Opzione Re-Cool - Re-Cool Option UP TO 150bar
 <p>Perno » Utensile Positioning Pin » Tool</p>	 <p>Perno » Distributore » Utensile Positioning Pin » Rotating Distributor » Tool</p>	 <p>Cono » Distributore » Utensile Shank » Rotating Distributor » Tool</p>	 <p>Perno » Ghiera ReCool » Utensile Positioning Pin » ReCool Nut » Tool</p>
<p>Passaggio refrigerante esterno all'utensile 10bar External coolant 10bar through the tool</p> <p>ROTAZIONE A SECCO - DRY RUNNING POSSIBILE - POSSIBLE</p>	<p>Passaggio refrigerante interno all'utensile 10bar dal perno attraverso distributore rotante Internal coolant 10bar through the tool from positioning pin and through rotating distributor</p> <p>ROTAZIONE A SECCO - DRY RUNNING POSSIBILE - POSSIBLE</p>	<p>Passaggio refrigerante interno all'utensile da 30 a 70 bar dal cono e attraverso il distributore rotante Internal coolant through the tool from 30 to 70 bar from the shank and through the rotating distributor</p> <p>ROTAZIONE A SECCO - DRY RUNNING NON POSSIBILE - NOT POSSIBLE</p>	<p>Passaggio refrigerante interno l'utensile per mezzo della ghiera ReCool. Internal coolant through the tool from the special nut ReCool</p> <p>Vedi pagine - See Pages 7.16 - 7.18</p>

OPZIONI DI USCITA SERIE ATC OUTPUT OPTIONS ATC SERIES

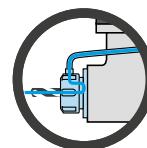


MODELLO	USCITA STD		HSK		ISO - CAT - BT		PORTAFRESA		WELDON		CAPTO		ER OPZIONE		DOPPIA	
	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	D
G90-5 / 5L	ER-8	32,5	-	-	-	-	-	-	Ø6	31	-	-	-	-	-	-
GL90-7 // G90-7 / 7L	ER-11	38	-	-	-	-	-	-	Ø8	36,3	-	-	-	-	ER-11 ER-8 MINI	34,2
GL90-10 // G90-10 / 10L / 10L.240	ER-16	49,5	-	-	-	-	Ø16	50	Ø10	63	-	-	-	-	ER-16 ER-11 MINI	45,5
GTU-10	ER-16	49,5	-	-	-	-	Ø16	50	Ø10	63	-	-	ER-20	63	ER-16 ER-11 MINI	45,5
GL90-16 // G90-16 / 16L 16L.270 // G90-16 2U / 16L 2U	ER-25	81,5	32	75,5	-	-	Ø16	63,5	Ø16	75	-	-	-	-	ER-25 ER-16 MINI	58,5
G90-20 / 20L / 20L.332 G90-20 2U / 20L 2U	ER-32	103,5	40	86,5	SK30	83,5	Ø22	83	Ø20	111	C4	90	ER-40	111	ER-32 ER-20 MINI	72,5
G90-30 / 30L / 30L.287 G90-30 2U / 30L 2U	ER-40	120	40	100	SK30	96,5	Ø27	101	Ø25	147	C4	95,5	*	ER-40 ER-25 MINI	82	
G90-S40 / S40L / S40L.280	SK40	105	63	130	-	-	Ø27	132	Ø25	152	C4/C5	103 103	-	-	-	-

Teste angolari ATC opzioni uscita - Output Options ATC angle heads

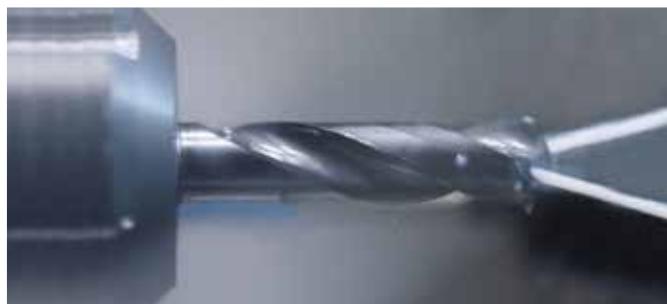
RE COOL NUTS

NEW
2024

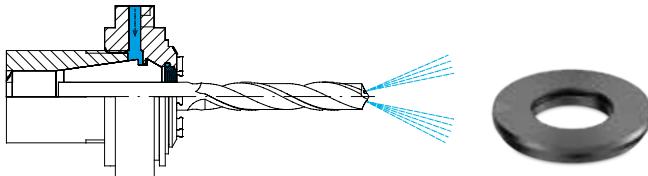


DISCHETTI A TENUTA STAGNA PER GHIERE - SEALING DISKS FOR NUTS

REFRIGERAZIONE INTERNA - INTERNAL COOLANT



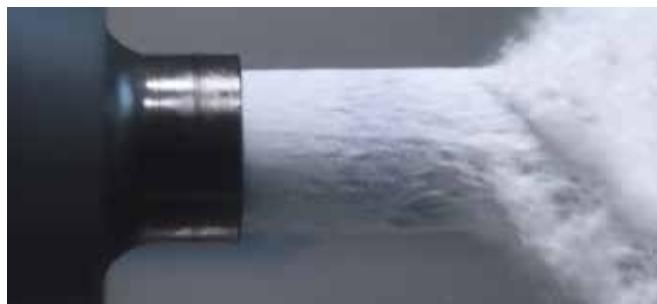
DISCHETTO A TENUTA STAGNA - SEALING DISK **GDS**



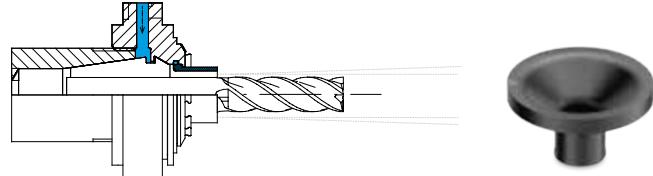
CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione interna con Ghiera ReCool, con il dischetto a tenuta stagna GDS
- Precisa refrigerazione del tagliente e migliore asportazione di truciolo
- Ideale soprattutto per elevate profondità
- Lubrificazione e refrigerazione del tagliente
- Ottima finitura superficiale
- Achieve internal cooling with ReCool nuts and the use of our sealing disk GDS
- Precise cooling at the cutting edge and improved chip removal
- Particularly suitable for deep cavities
- Lubrication of cutting edge and cooling
- Best surface quality

REFRIGERAZIONE PERIFERICA - PERIPHERAL COOLANT



DISCHETTO PER REFRIGERAZIONE - FLUSH DISK **GKS**



CARATTERISTICHE PRINCIPALI - KEY FEATURES

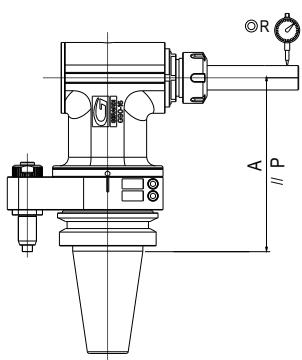
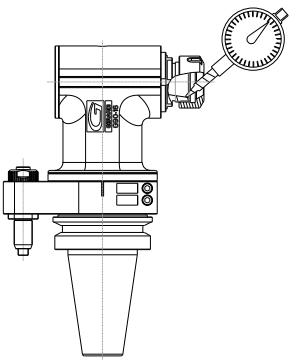
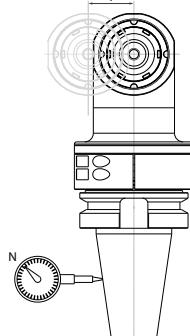
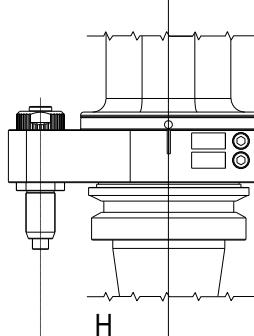
- Facile aggiunta della lubrorefrigerazione periferica con Ghiera ReCool, con il dischetto per refrigerazione GKS
- Applicabile su teste e motorizzati con refrigerante interno con apposita ghiera STDC - MINIC - AXC
- Lubrorefrigerante lungo l'utensile fino al tagliente
- Ideale per profondità medie
- Achieve peripheral cooling with ReCool nuts and the use of our coolant flush disk GKS
- Applicable on Angle Heads and Driven Tools with internal coolant through suitable nut STDC - MINIC - AXC
- Coolant is fed along the side of the tool to the cutting edge
- Can be used for moderate cavities



APPLICAZIONE RAPIDA E FACILE DELLA REFRIGERAZIONE INTERNA DALL'ESTERNO
REASONABLE, FAST AND EASY CONVERSION TO INTERNAL COOLING

ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE

Tipo - Type	G90-16 ATC
Codice - Code	9.G90.16000
Numero seriale - Serial number	18-011
Attacco cono - Input shank	CAT50 - H=80
Note speciali - Special notes	

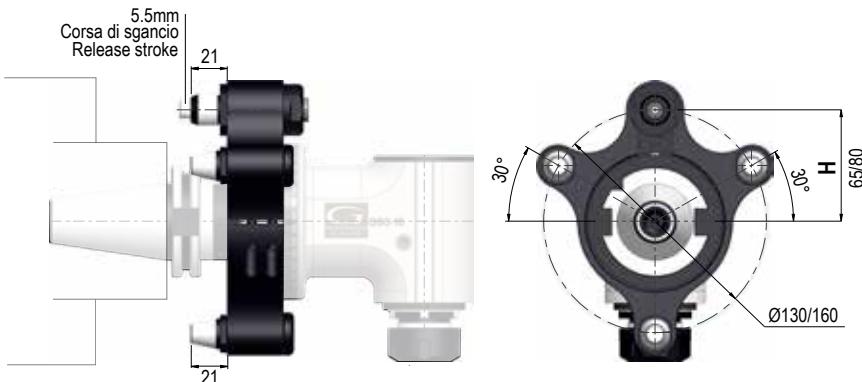
TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error	TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error
<p>Quota e parallelismo da filo cono ad asse principale. Oscillazione asse utensile.</p> <p>Height and parallelism from gauge line to main axis. Runout cutter axis.</p>		<p>Ammesso Allowed $A = \pm 0,03$ $R = \pm 0,025$ $P = \pm 0,015/100$</p> <p>Rilevato Checked</p> <p>A = +0,010</p> <p>R = 0,015</p> <p>P = 0,012/100</p>	<p>Oscillazione mandrino porta utensile.</p> <p>Runout in cutter spindle.</p>		<p>Ammesso Allowed 0,010</p> <p>Rilevato Checked</p> <p>0,008</p>
<p>Concentricità tra cono e asse principale. Disassamento tra gli assi principali.</p> <p>Concentricity between shank and main axis. offset between main axis</p>		<p>Ammesso Allowed $F = \pm 0,02$ $N = \pm 0,02$</p> <p>Rilevato Checked</p> <p>F = 0,010</p> <p>N = 0,016</p>	<p>Interasse coно-perno di posizionamento.</p> <p>Pitch shank-positioning pin.</p>		<p>Ammesso Allowed 0,010</p> <p>Rilevato Checked</p> <p>-0,010</p>

RODAGGIO TESTA - RUN-IN

RPM in entrata RPM	Durata Time	Temperatura Ambiente Room Temperature	Temperatura Sonda Sensor Temperature	Note Notes
1000	00:10:00	22°	27°	
2000	00:10:00		32°	
3000	00:05:00		36°	
4000	00:05:00		42°	
5000				
6000				

Revisioni - Revisions	Timbro - Stamp	Data - Date
		Firma - Signature

SISTEMA ANTIROTANTE MULTIPONT MULTIPOINT ANTIROTATION SYSTEM



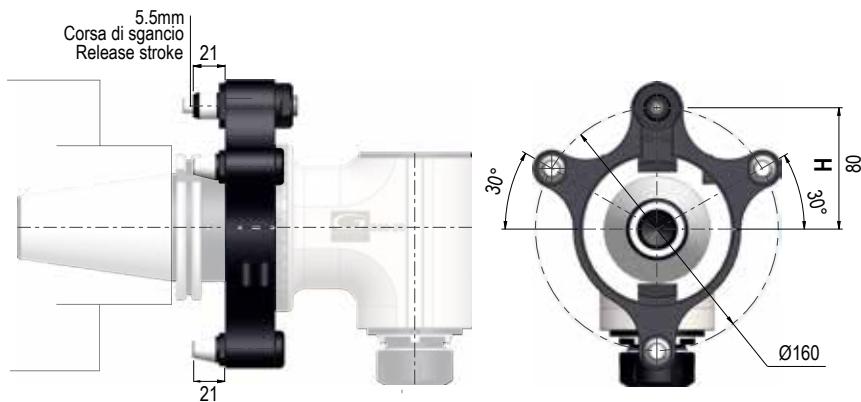
TYPE 1

Code 9.G90.16T00/...*

Teste ad angolo con interasse H=65
Angle heads with centre distance H=65

Solo flangia
Only flange**

**In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



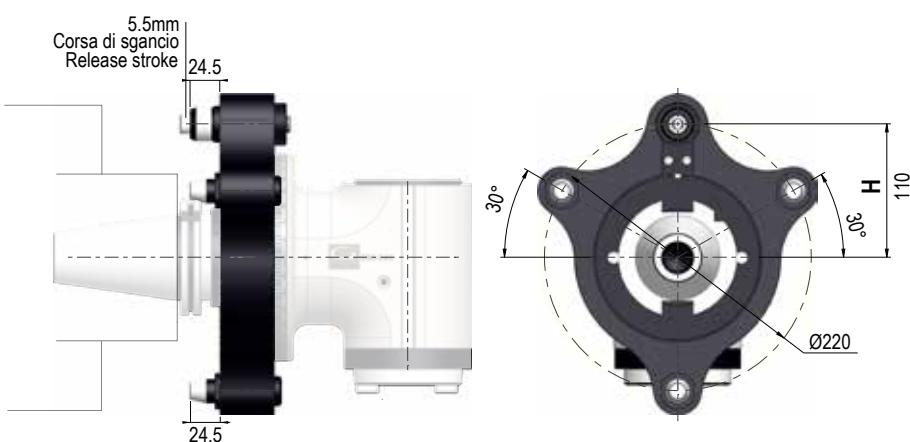
TYPE 2

Code 9.G90.20T00/...*

Teste ad angolo con interasse H=80
Angle heads with centre distance H=80

Solo flangia
Only flange**

**In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



TYPE 3/4

Code 9.G90.30T00/...*

Code 9.G90.S40T0/...*

Teste ad angolo con interasse H=110
Angle heads with centre distance H=110

Solo flangia
Only flange**

**In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



Il sistema antirotante MULTIPONT è composto da 4 punti d'appoggio di cui uno standard e tre supplementari ed è stato studiato per i seguenti motivi:

- Garantire una rigidità superiore allo standard
- Poter eseguire lavorazioni pesanti
- Annullare ogni tipo di vibrazione
- Applicabile ad ogni tipo di mandrino macchina

The anti-rotation MULTIPONT system is made of 4 brace points (one standard and 3 additional) for:

- Granting a higher than standard rigidity
- Allowing heavy duty machining
- Avoiding any type of vibration
- Mounting on any type of machine spindle



* In fase di ordine specificare tipo di cono e grandezza - In case of order specify shank type and size

ESEMPIO DI MONTAGGIO SERIES ATC ATC SERIES MOUNTING EXAMPLE

**PER UN CORRETTO ORDINE VERIFICARE L'IDONEITÀ DEL PERNO DI POSIZIONAMENTO
FOR A RIGHT PURCHASE ORDER CHECK THE POSITIONING PIN SUITABILITY**

1) STOP-BLOCK GIÀ PRESENTE SUL MANDRINO MACCHINA

- Per Stop-block Gerardi è sufficiente indicare il tipo di testa, interasse H, diametro perno ed altezza perno
- In caso di Stop-block NON Gerardi, inviateci il disegno del suddetto e del mandrino macchina per determinare il perno. Se possibile si consiglia di smontare lo stop block presente e di utilizzare il nostro standard.

STOP-BLOCK ALREADY MOUNTED ON THE MACHINE SPINDLE

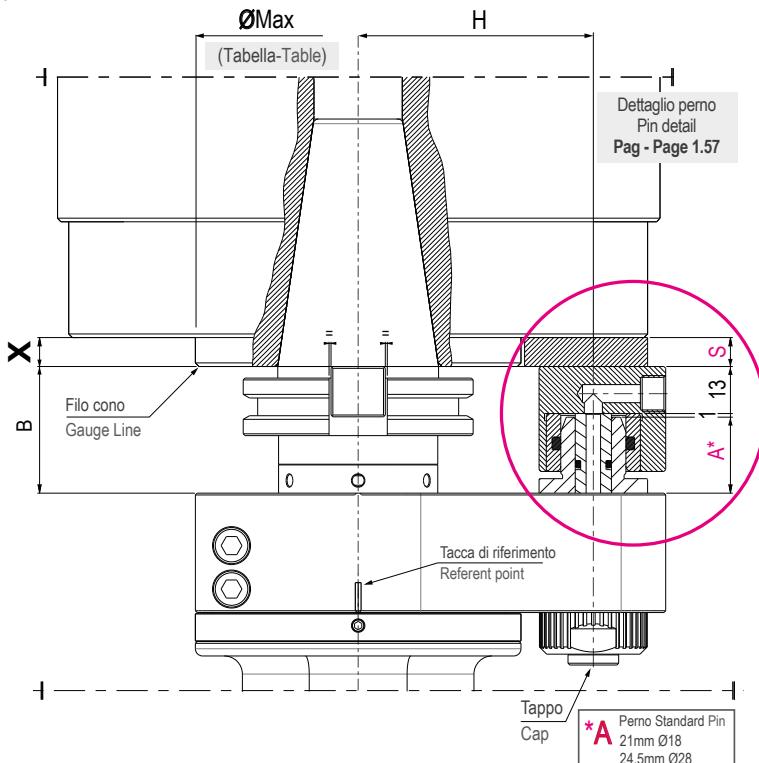
- For Gerardi items, please indicate the type of Angle Head, the H dimension, the pin diameter and height.
- For non-Gerardi items, please send us the stop-block and the machine spindle drawings in order to design the right pin. If possible, we suggest you to use Gerardi standard stop block, taking off the one already placed on the machine.

2) NESSUNO STOP-BLOCK MONTATO SUL MANDRINO MACCHINA

Rilevare la quota X sul mandrino della macchina e mediante la seguente formula calcolare lo spessore del distanziale. In caso di spessori inferiori a 8 mm è possibile richiedere un apposito stop-block con base lavorabile (Pag. 1.91)

NO STOP-BLOCK MOUNTED ON THE MACHINE SPINDLE

Please check the X dimension on the machine spindle and calculate the width of the spacer through the following formula. In case of widths of less than 8 mm, a special stop block with machineable base can be ordered (Pag. 1.91)



$$S=X+B-35$$

$$S=X+B-38,5$$

Se sei in possesso di una testa angolare con perno Ø18

If you have an Angle Head with pin Ø18

Se sei in possesso di una testa angolare con perno Ø28

If you have an Angle Head with pin Ø28

X	B
12mm	35mm (SK40)
$S = X (12) + B (35) - 35 = 12$	

Esempio di calcolo spessore distanziale
Example of calculation for spacer thickness

ESEMPIO DI MONTAGGIO SERIE ATC

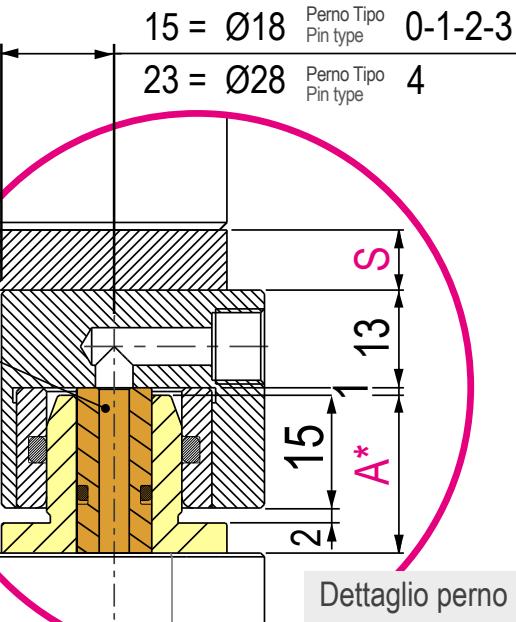
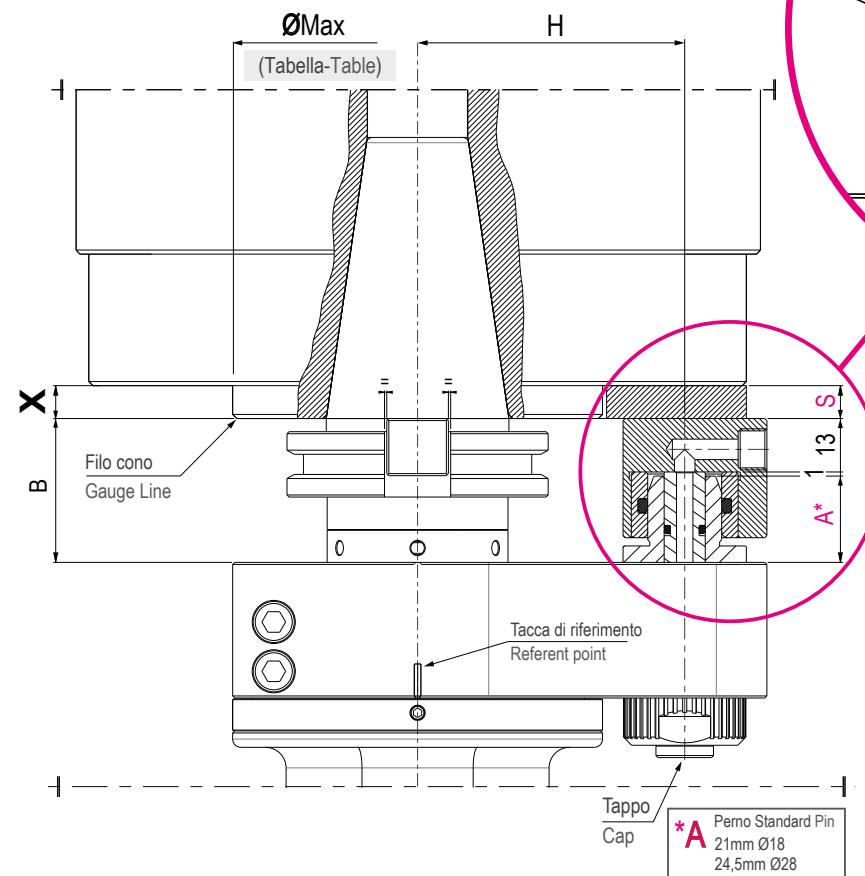
ATC SERIES MOUNTING EXAMPLE

PER UN CORRETTO ORDINE VERIFICARE L'IDONEITA' DELL'INTERASSE "H"

FOR A RIGHT PURCHASE ORDER CHECK PITCH "H" SUITABILITY

Verificare l'idoneità dell'interasse "H" tramite tabella - Check pitch "H" through table

TABELLA TABLE		
PERNO PIN	"H" INTERASSE - PITCH	\varnothing MAX
\varnothing 18	65	99
	80	129
	110	189
\varnothing 28	110	172



ATTENZIONE - ATTENTION

Il distanziale per il posizionamento dello stop-block, deve essere realizzato di uno spessore tale da comprimere il perno di sgancio NON per l'intera corsa, ma in modo da lasciare sempre 1mm di gioco.

I calcoli della pagina precedente sono già fatti in tal senso.

The spacer for the stop-block must be done in order to push the release pin NOT for the whole stroke release, but leaving always 1mm play. Previous page calculations are already considering this issue.

STOP-BLOCK Standard



Ø18

Con bussola temprata - with hardened bushing

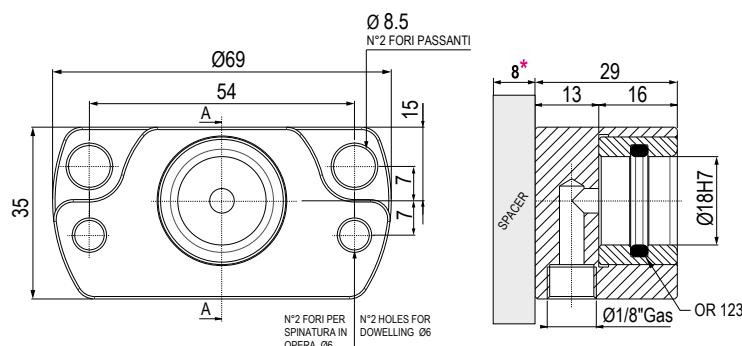
STOP BLOCK Code

9.INDEX.18

NO STOP BLOCK INCLUDED

BUSHING Code

9.G18.INDEX.2



Ø28

Con bussola temprata - with hardened bushing

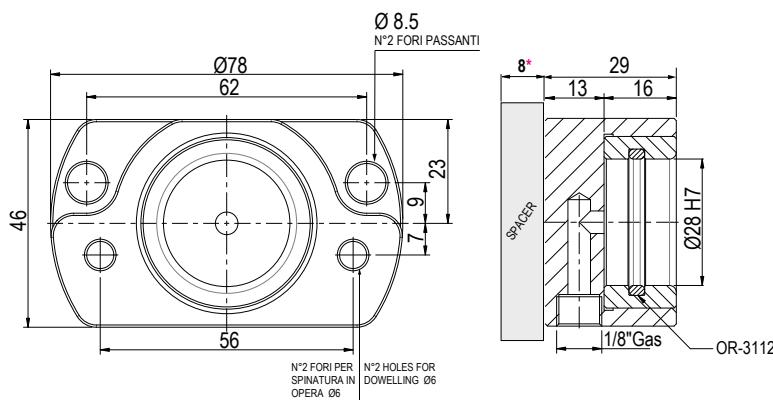
STOP BLOCK Code

9.INDEX.28

NO STOP BLOCK INCLUDED

BUSHING Code

9.G28.INDEX.2



STOP-BLOCK Conico - Conical



Ø18

Con bussola temprata - with hardened bushing

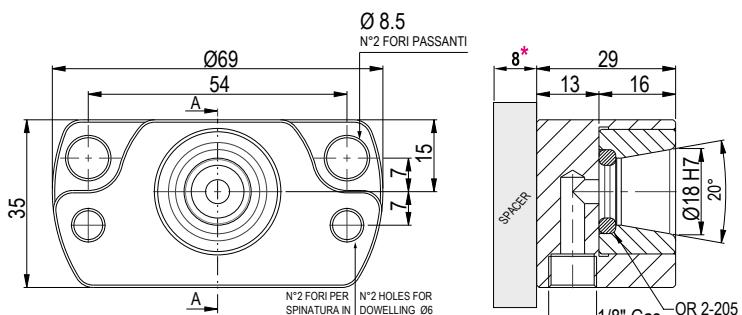
STOP BLOCK Code

9.INDEX.18C

NO STOP BLOCK INCLUDED

BUSHING Code

9.G18.INDEX.2C



Ø28

Con bussola temprata - with hardened bushing

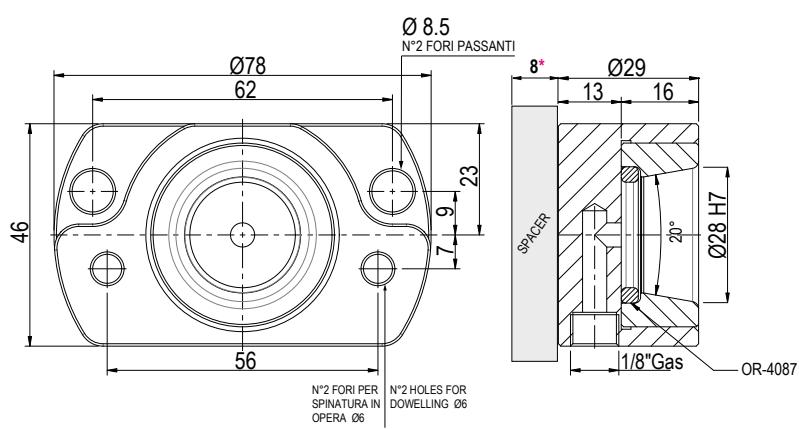
STOP BLOCK Code

9.INDEX.28C

NO STOP BLOCK INCLUDED

BUSHING Code

9.G18.INDEX.2C



* Misura minima per distanziale sotto la quale è necessario utilizzare lo stop-block lavorabile
 Specer minimum dimension under this dimension it is necessary to use the machineable stop-block

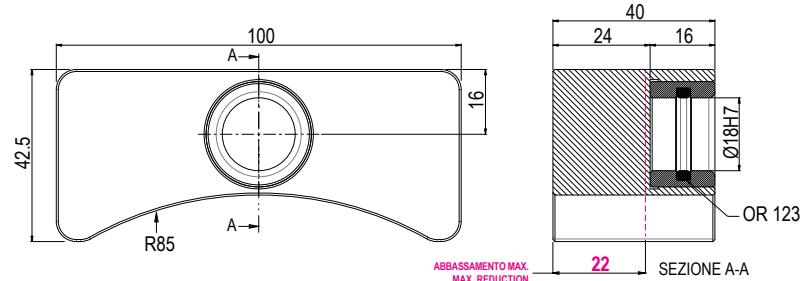
STOP-BLOCK Lavorabile** - Machineable**



Ø18

Con bussola temprata - with hardened bushing

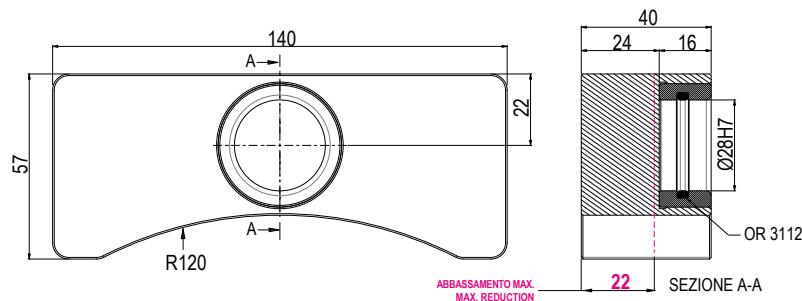
STOP BLOCK Code	
9.G18.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2	



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2	



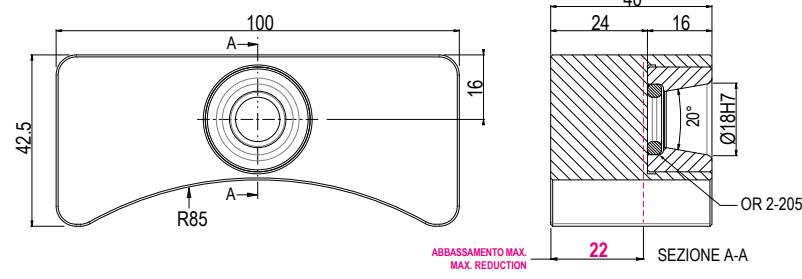
STOP-BLOCK Lavorabile conico** - Conic machineable**



Ø18

Con bussola temprata - with hardened bushing

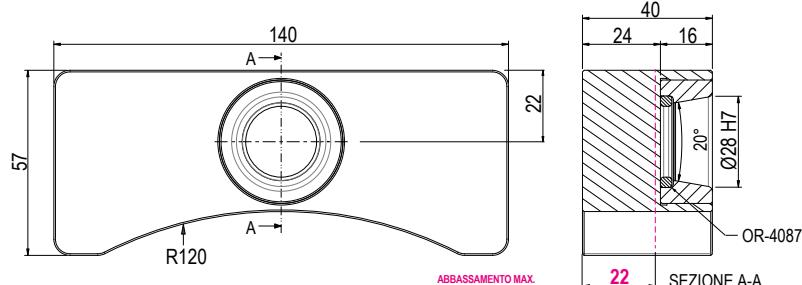
STOP BLOCK Code	
9.G18.INDEXC	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEXC	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2C	

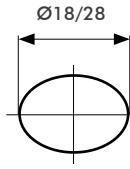
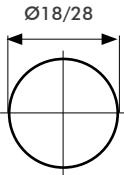
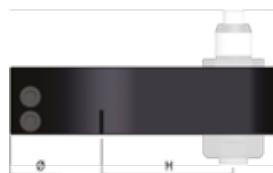


** A richiesta - On request

GRUPPO ANTIROTANTE ANTI-ROTATION GROUP



*PERNO CONICO FLOTTANTE
FLOATING CONICAL PIN



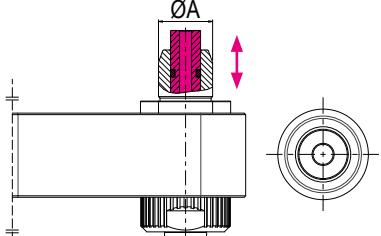
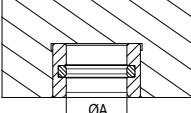
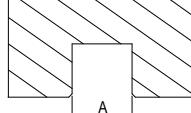
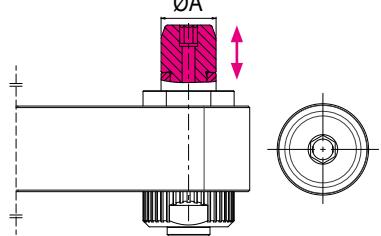
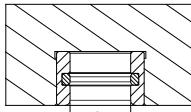
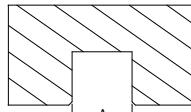
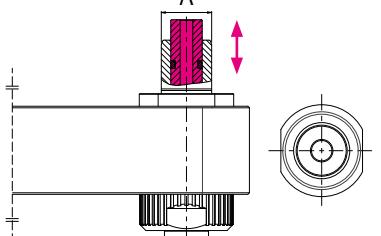
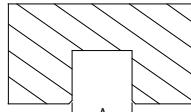
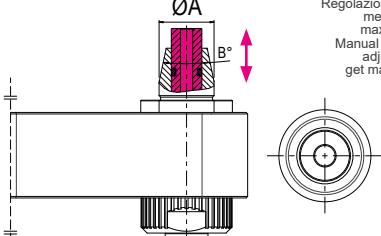
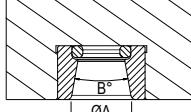
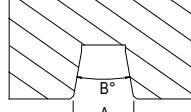
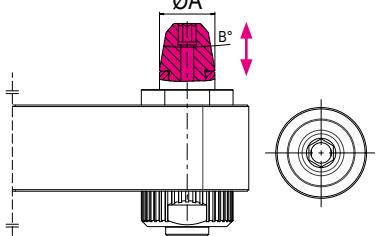
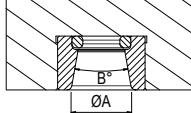
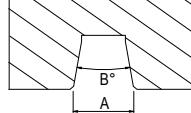
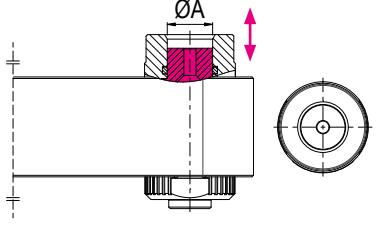
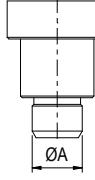
TESTA ANGOLARE ANGLE HEADS		GRUPPO ANTIROTANTE ANTI-ROTATION GROUP		FLANGIA INTEGRALE INTEGRAL FLANGE		STANDARD 2 AXIS		ON REQUEST 1 AXIS		GRUPPO PERO PIN GROUP	
MODELLO Model	TIPO Type	Code		Code	\emptyset	H			P	L	
GL90-7	0 Ø73	* 9.GMU.13050C/i65		9.GMU.13030/i65	Ø73	65		* 9.GMU.13075C	Ø18	21	
GL90-10		* 9.GMU.13050C/i80				80		* 9.GMU.13075L	Ø18	35	
GL90-16		* 9.GMU.13050C/110		9.GMU.13030/i80		110		9.GMU.13071C	9.GMU.13073C	Ø18	21
GTU-10		9.GMU.13050/i65			Ø90			9.GMU.13071L	9.GMU.13073L	Ø18	35
GMU 13 / 13L		9.GMU.13050/i80		9.GMU.13030/110							
		9.GMU.13050/110									
G90-5	1 Ø90				Ø90	65					
G90-7 / 7L		9.G90.16050/i65		9.G90.16030/i65		80		9.G90.16071C	9.G90.16073C	Ø18	21
G90-7 / 7L 2U						110					
G90-10 / 10L											
G90-10 / 10L 2U					Ø110						
G90-16 / 16L		9.G90.16050/i80		9.G90.16030/i80							
G90-16 / 16L 2U											
GMU-16											
GR90-5											
GR90-10		9.G90.16050/110		9.G90.16030/110				9.G90.16071L	9.G90.16073L	Ø18	35
GR90-16											
G90-20 / 20L	2 Ø110	9.G90.20050/i80		9.G90.20030/i80	Ø110	80					
G90-20 / 20L 2U						110		9.G90.16072C	9.G90.16074C	Ø28	24,5
GMU 20		9.G90.20050/110		9.G90.20030/110							
G90-30 / 30L	3 Ø140										
G90-30 / 30L 2U		9.G90.30050/110		9.G90.30030/110	Ø140	110		9.G90.16072L	9.G90.16074L	Ø28	35
G90-S40	4 Ø170										
G90-S40L		9.G90.S4050/110		9.G90.S4023/110	Ø170	110		9.G90.S4072C	9.G90.S4074C	Ø28	24,5
GR90-S40								9.G90.S4072L	9.G90.S4074L	Ø28	35

Flangia ad interasse speciale

- Flange with special pitch

GRUPPO PERNO SPECIALE

SPECIAL PIN GROUP

FORMA Shape	TIPI DI PERNI Pin Types	TIPI DI STOP-BLOCK Stop-block Types	
Cilindrico standard Cylindrical standard A		Standard con bussola cilindrica Standard with cylindric bushing 	Prismatico Prismatic 
Cilindrico flottante Cylindrical floating B		Standard con bussola cilindrica Standard with cylindric bushing 	Prismatico Prismatic 
Prismatico Prismatic C			Prismatico Prismatic 
Conico regolabile Adjustable conic D		Bussola conica Conic bushing 	Prismatico conico Conic prismatic 
Conico flottante Floating conical E		Bussola conica Conic bushing 	Prismatico conico Conic prismatic 
Cilindrico femmina Female cylindric F		Cilindrico maschio Cylindric male 	

* Extra prezzo perno speciale - * Extra price special pin

OPZIONE REFRIGERANTE INTERNO INTERNAL COOLANT OPTION

Opzione B - B Option Up to 40bar	Opzione Re-Cool - Re-Cool Option UP TO 150bar
 	 
Mandrino macchina » Distributore » Utensile Machine spindle » Rotating Distributor » Tool	Perno » Ghiera ReCool » Utensile Positioning Pin » ReCool Nut » Tool
Passaggio refrigerante interno all' utensile. Dal mandrino macchina e attraverso il distributore rotante Internal coolant through the tool from the machine spindle and through rotating distributor.	Passaggio refrigerante interno l'utensile per mezzo della ghiera ReCool. Internal coolant through the tool from the special nut ReCool.
ROTAZIONE A SECCO - DRY RUNNING 10 BAR POSSIBILE - POSSIBLE 30/40 BAR NON POSSIBILE - NOT POSSIBLE	
Passaggio refrigerante interno tramite cono » Distributore » Utensile SU RICHIESTA Internal coolant through shank » rotating distributor » tool ON REQUEST	

OPZIONI DI USCITA SERIE MTC OUTPUT OPTIONS MTC SERIES



MODELLO	USCITA STD		HSK		ISO - CAT - BT		PORTAFRESA		WELDON		CAPTO		ER OPZIONE		DOPPIA	
	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	C	TIPO	D
G90-5 / 5L	ER-8	32,5	-	-	-	-	-	-	Ø6	31	-	-	-	-	-	-
G90-7 / 7L	ER-11	38	-	-	-	-	-	-	Ø8	36,3	-	-	-	-	ER-11 ER-8 MINI	34,2
G90-10 / 10L	ER-16	49,5	-	-	-	-	Ø16	50	Ø10	63	-	-	-	-	ER-16 ER-11 MINI	45,5
GTU-10	ER-16	49,5	-	-	-	-	Ø16	50	Ø10	63	-	-	ER-20	63	ER-16 ER-11 MINI	45,5
G90-16 / 16L 16L.270 // G90-16 2U / 16L 2U	ER-25	81,5	32	75,5	-	-	Ø16	63,5	Ø16	75	-	-	-	-	ER-25 ER-16 MINI	58,5
G90-20 / 20L / G90-20 2U / 20L 2U	ER-32	103,5	40	86,5	SK30	83,5	Ø22	83	Ø20	111	C4	90	ER-40	111	ER-32 ER-20 MINI	72,5
G90-30 / 30L / G90-30 2U / 30L 2U	ER-40	120	40	100	SK30	96,5	Ø27	101	Ø25	147	C4	95,5	*	ER-40 ER-25 MINI	82	
G90-S40 / S40XL	SK40	105	63	130	-	-	Ø27	132	Ø25	152	C4/C5	103 103	-	-	-	-
G90-S50 / G90-S50XL	-	-	-	-	SK50	165	-	-	-	-	C6/C8	163 163	-	-	-	-

Teste angolari MTC opzioni uscita - Output Options MTC angle heads

CONI MODULARI MODULAR SHANKS

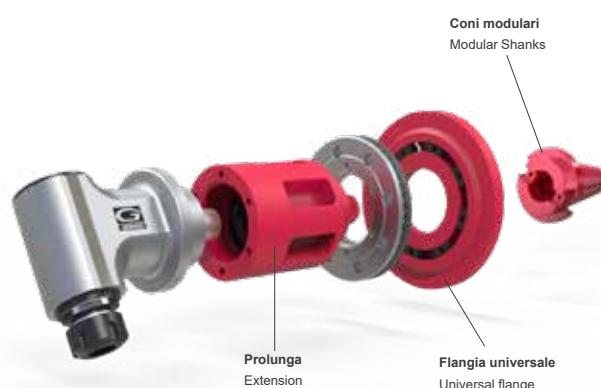
Senza cono - No shank

1

CONO MODULARE MODULAR SHANK	SK DIN 69871	BT MAS 403	CAT ANSI B5.50	ISO DIN 2080	HSK DIN 69893	C. ISO 26623
	30/40/50	30/40/50	40/50	30/40/50	40/63/80/100	C5/C6/C8
	Codes	Codes	Codes	Codes	Codes	Codes
9.SK30.ISO	9.SK30.BT	9.SK40.CAT40	9.SK30.2080	9.HSK.63000	9.CPT.C5000	
9.SK40.ISO	9.SK40.BT	9.SK50.CAT50	9.SK40.2080	9.HSK.80000	9.CPT.C6000	
9.SK50.ISO	9.SK50.ISO	9.SK50.CAT50/S50	9.SK50.2080	9.HSK.10000	9.CPT.C8000	
				9.HSK.40000	9.CPT.C4000	
Tassello di Trascinamento - Shank Nut		Tassello di Trascinamento - Shank Nut		Tassello di Trascinamento - Shank Nut		
10 h7	9SN00000_10	16 h7	9SN00000_16	25 h7	9SN00000_25	

FLANGE / PROLUNGHE FLANGES / EXTENSIONS

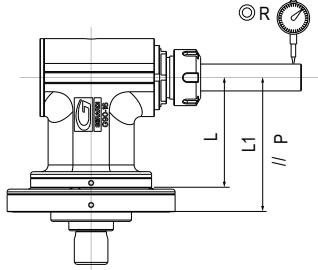
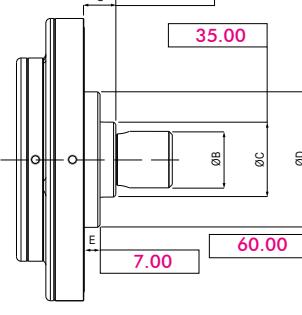
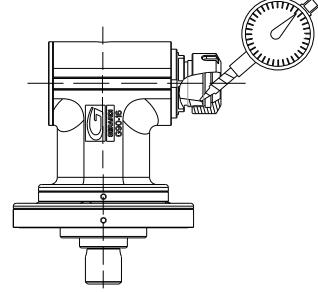
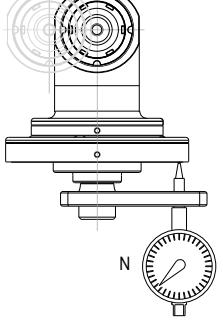
TIPO TYPE	1	2	3	4	5	6
MODELLO MODEL	G90-5 G90-7 / 7L G90-10 / 10L G90-16 / 16L GMU-16 G90-16 2U / 16L 2U	G90-20 / 20L GMU-20 G90-20 2U / 20L 2U	G90-30 / 30L G90-30 2U / 30L 2U	G90-S40 / S40L	G90-S40XL G90-S40XLxx GMU-S40-125 GMU-S40	G90-S50 G90-S50XLxx GMU-S50
FLANGE UNIVERSALI UNIVERSAL FLANGE						
	Codes	Codes	Codes	Codes	Codes	Codes
	9.UF.00001	9.UF.00002	9.UF.00003	9.UF.00004	9.UF.00005	9.UF.00006
	NO FLANGE	NO FLANGE	NO FLANGE	NO FLANGE	NO FLANGE	NO FLANGE
TIPO TYPE	1	2	3			
PROLUNGA EXTENSION						
	H	Codes	H	Codes	H	Codes
	50	9.GEX.10050	50	9.GEX.20050	50	9.GEX.30100
	100	9.GEX.10100	100	9.GEX.20100	100	9.GEX.30150
	200	9.GEX.10200	200	9.GEX.20200		
			250	9.GEX.20250		
			450	9.GEX.20450		



ESEMPIO SCHEDA DI COLLAUDO

INSPECTION SHEET EXAMPLE

Tipo - Type	G90-16 MTC
Codice - Code	9.G90.16001
Numero seriale - Serial number	17-127
Attacco cono - Input shank	DIN-69871/40
Note speciali - Special notes	

TIPO DI CONTROLLO TEST TYPE	RAFFIGURAZIONE DRAWING	ERRORE ERROR	TIPO DI CONTROLLO TEST TYPE	RAFFIGURAZIONE DRAWING	ERRORE ERROR
<p>Quota e parallelismo da filo cono ad asse principale. Oscillazione asse utensile.</p> <p>Height and parallelism from gauge line to main axis. Runout cutter axis.</p>		Ammesso Allowed $A = \pm 0,03$ $R = \pm 0,025$ $P = \pm 0,015/100$ Rilevato Checked $L = +0,020$ $L1 = +0,010$ $R = 0,025$ $P = 0,012/100$	<p>Verifica delle quote per l'attacco del cono e della flangia.</p> <p>Main input shaft dimension checked.</p>		Ammesso Allowed $E/G=0,1/-0,5$ $C/D=+0/-0,03$ Rilevato Checked $B = 25h7$ ok $E = -0,100$ $G = -0,150$ $C = -0,020$ $D = -0,030$
<p>Oscillazione mandrino porta utensile.</p> <p>Runout in cutter spindle.</p>		Ammesso Allowed $0,010$ Rilevato Checked $0,008$	<p>Perpendicolarità e disassamento tra gli assi principali.</p> <p>Perpendicularity and offset between main axes.</p>		Ammesso Allowed $F = \pm 0,020$ $N = 0,010/100$ Rilevato Checked $F = 0,015$ $N = 0,010/100$

RODAGGIO TESTA - RUN-IN

RPM IN ENTRATA RPM INPUT	DURATA TIME	TEMPERATURA AMBIENTE ROOM TEMPERATURE	TEMPERATURA SONDA SENSOR TEMPERATURE	NOTE NOTES
1000	00:10:00	20°	28°	
2000	00:10:00		37°	
3000	00:05:00		41°	
4000	00:05:00		48°	
5000				
6000				

Revisioni - Revisions	Timbro - Stamp	Data - Date
		Firma - Signature

ESEMPIO DI MONTAGGIO

MOUNTING EXAMPLE

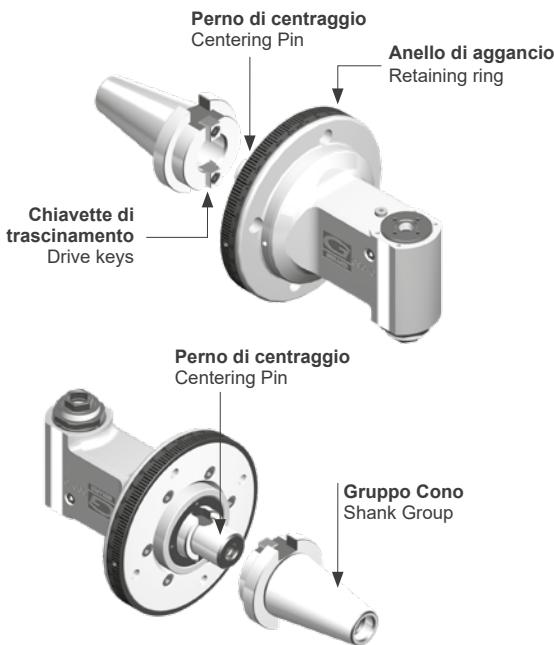
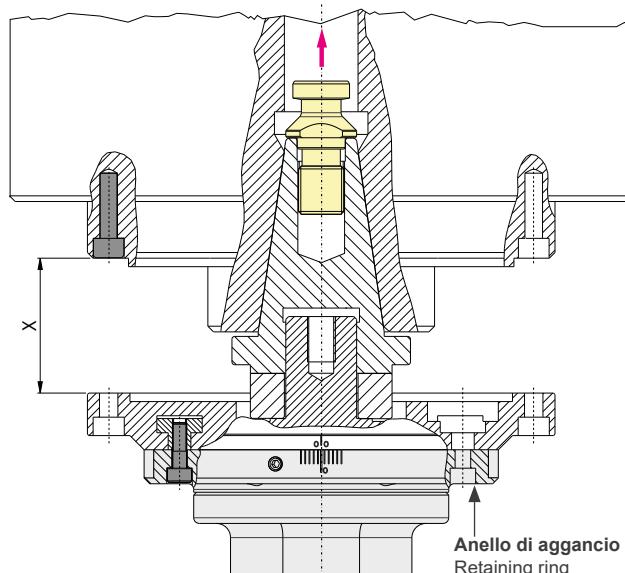
DISTANZIALE REALIZZATO IN OPERA

SPACER TO BE MADE

FASE 1 - STEP 1

- Montare l'anello di aggancio e la flangia universale sulla testa
- Applicare il cono alla testa
- Inserire la testa nel mandrino macchina.
- Rilevare la misura "X"

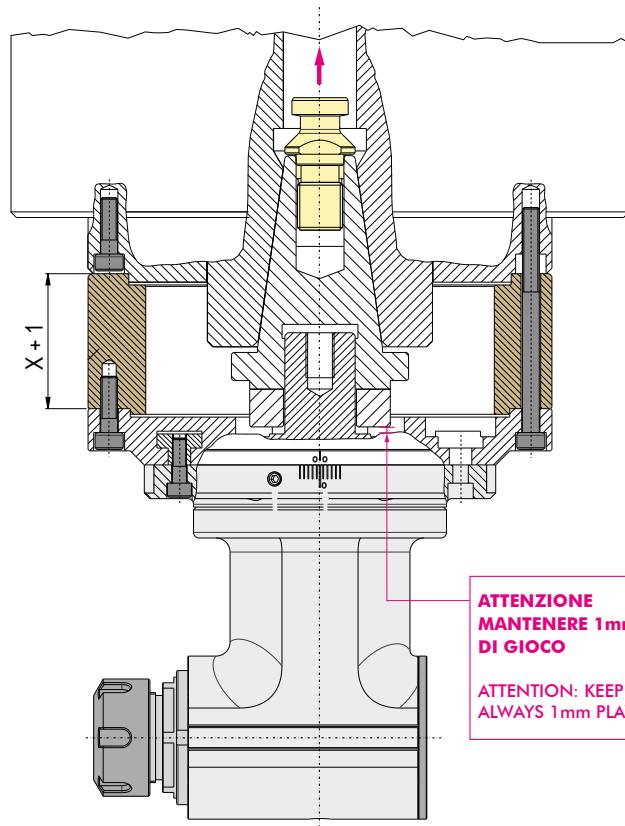
- Mount the retaining ring and the universal flange
- Mount the shank on the Head.
- Mount the head into the machine spindle.
- Check dimension "X"



FASE 2 - STEP 2

- Realizzare un distanziale con spessore X+1mm
- Rimontare il tutto in macchina.
- Orientare e posizionare correttamente la testa angolare
- Azzerare l'anello graduato tramite il grano e le tacche di riferimento

- Make a spacer with X + 1mm thickness.
- Reassemble the Head on the machine.
- Turn the angle head in the correct position.
- Set the graduated ring by rotating the screw to the 0 position.



PINZE COLLETS

MODELLO - MODEL	PINZA - COLLET	Ø	Code	
GR90-5	Schaublin P6	0,3 - 0,4 - 0,5 - 0,6 - 0,7 - 0,8 - 0,9	9.P6.D0XXX	
		1 - 1,1 - 1,2 - 1,3 - 1,4 - 1,5 - 1,59 (1/16") - 1,6 - 1,7 - 1,8 - 1,9		
		2 - 2,5 - 3 - 3,5		
		4 - 4,5 - 5		

Esempio di ordinazione: Schaublin P6 - Ø0,3 = 9.P6.D003 - Ø1,59 = 9.P6.D0159 ~ Example to order: Schaublin P6 - Ø0,3 = 9.P6.D003 - Ø1,59 = 9.P6.D0159

MODELLO - MODEL	PINZA - COLLET	Ø	Code	
GS90-2	GS90-2	1 - 1,5 - 2 - 2,5	GS.9020004/...	

MODELLO - MODEL	PINZA - COLLET	Ø	Code	
Manipolo ad angolo IC300 Angular chuck IC300	CHC	1 - 2,35 - 3 - 3,175 2	CHC00XXX	
Manipolo ad angolo RA200 Angular chuck RA200	CHS	0,8 - 0,9 1 - 2 - 2,5 1 - 1,1 - 1,2 - 1,3 - 1,4 - 1,5 - 1,7 - 1,8 - 1,9 - 2,1 - 2,2 - 2,3 - 2,4 - 2,6 - 2,7 - 2,8 - 2,9 1,6 - 3 - 3,175	CHS00XXX	
Manipolo ad angolo RA100 Angular chuck RA100	CH8	0,8 - 0,9 1 - 1,5 - 2 1 - 1,1 - 1,2 - 1,3 - 1,4 - 1,6 - 1,7 - 1,8 - 1,9 - 2,1 - 2,2 - 2,3 - 2,35 - 2,4 - 3,175	CH800XXX	
Manipolo ad angolo MFC300S Angular chuck MFC300S	K252	1,6	K2520XXX	

ER-DIN 6499

Foratura-fresatura / drilling-milling

MODELLO MODEL	PINZA COLLET	Ø	Code		PINZA ET1 (compensate) COLLET ET1 (compensation)	Code	
G90-5	ER8	0,5 / 5	9.ER.08000/...		-	-	
GL90-7 G90-7 / 7L	ER11	1 / 7	9.ER.11000/...		-	-	
GL90-7B G90-7B / 7LB	ER11 WP	3 / 7	9.ER.11WP0/...		-	-	
GTU 10 GL90-10 G90-10 / 10L GR90-10	ER16	1 / 10	9.ER.16000/...		ET-1 / 16 (M1 - M6)	9.ET.16000/...	
GL90-10B G90-10B / 10LB G90-10RI / 10LRI GR90-10RI	ER16 WP	1 / 10	9.ER.16WP0/...		-	-	
GMU-13 / 13L	ER20	1/13	9.ER.20000/..		ET-1 / 20 (M2 - M8)	9.ET.20000/...	
GL90-16 G90-16 / 16L GMU-16 GR90-16 G90-16 / 16L 2U	ER25	1 / 16	9.ER.25000/...		ET-1 / 25 (M2 - M12)	9.ET.25000/...	
GL90-16B / RI G90-16B / 16LB G90-16RI / 16LRI GR90-16RI	ER25 WP	1 / 16	9.ER.25WP0/...		-	-	
G90-20 / 20L G90-20L/272 GMU-20 G90-20 / 20L 2U	ER32	2 / 20	9.ER.32000/...		ET-1 / 32 (M3,5 - M16)	9.ET.32000/...	
G90-20B / 20LB G90-20L/272B G90-20RI 20LRI	ER32 WP	2 / 20	9.ER.32WP0/...		-	-	
G90-30 / 30L G90-30 / 30L 2U	ER40	3 / 30	9.ER.40000/...		ET-1 / 40 (M6 - M16)	9.ET.40000/...	
G90-30B 30LB G90-30RI 30LRI	ER40 WP	3 / 30	9.ER.40WP0/...		-	-	



Maschiatura / tapping

WP= Resistenza all'acqua - WP= Waterproof

Esempio di ordinazione: ER25 - Ø10=9.ER.25000/10 - Example to order: ER25 - Ø10=9.ER.25000/10

GHIERE NUTS



MODELLO MODEL	GHIERA NUT	Code	COPPIA SERRAGGIO CLAMPING FORCE (Nm)	
G90-5	ER8 Mini	9.ER.0800M	5 (6)	
GL90-7 G90-7 / 7L	ER11 STD	9.ER.11STD	12 (15)	
GTU 10 GL90-10 G90-10 / 10L	ER16 ES-S	9.ER.160ES-S	24 (30)	
GR90-10 / 10RI	ER16 AX	9.ER.160AX	24 (30)	
GMU-13 / 13L	ER20 STD	9.ER.20STD	28 (35)	
GL90-16 G90-16 / 16L GMU-16 G90-16 / 16L 2U	ER25 STD	9.ER.25STD	32 (40)	
GR90-16	ER25 AX	9.ER.250AX	32 (40)	
G90-20 / 20L G90-20L/272 GMU-20 G90-20 / 20L 2U	ER32 STD	9.ER.32STD	136 (70)	
GR90-20	ER32 AX	9.ER.320AX	104	
G90-30 / 30L G90-30 / 30L 2U	ER40 STD	9.ER.40STD	176 (220)	

CHIAVI WRENCHES



CHIAVI WRENCHES	Code	
CH-8 MINI	9.CH.08MINI	
CH-21 ES	9.CH.210ES	
CH-17 ES	9.CH.170ES	
CH-27 ES	9.CH.270ES	
CH-17 ES	9.CH.170ES	
CH-32 ES	9.CH.270ES	
CH-16 AX	9.CH.160AX	
CH-32 ES	9.CH.320ES	
CH-20 STD	9.CH.32STD	
CH-32 ES	9.CH.320ES	
CH-25 STD	9.CH.25STD	
CH-39 ES	9.CH.390ES	
CH-25 AX	9.CH.250AX	
CH-40 ES	9.CH.400ES	
CH-32 STD	9.CH.32STD	
CH-46 ES	9.CH.460ES	
CH-32 AX	9.CH.320AX	
CH-49 ES	9.CH.490ES	
CH-59 ES	9.CH.590ES	
CH-40 STD	9.CH.40STD	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

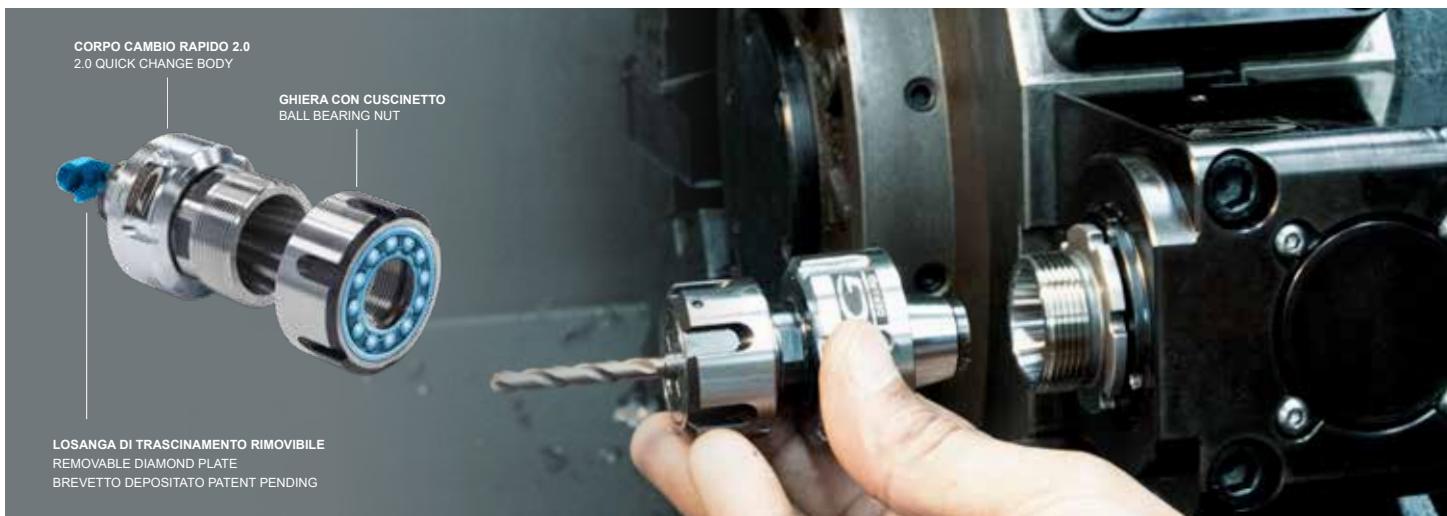
Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED



100% MADE IN ITALY



MADE IN ITALY



NEW
2024

2



Modular angle heads series!

EVOLUTION LINE

Teste Angolari / Angle Heads

INDICE - INDEX

ATC - AUTOMATIC TOOL CHANGE

2

	pages		pages		
LIGHT		OFFSET			
FL90-7	from 2.13 to 2.19	FR90-10 70BAR	from 2.47 to 2.50		
FL90-13 / 13L		FR90-13 70BAR			
FL90-16 / 16L		FR90-16 70BAR			
FL90-16 2U		FR90-20 70BAR			
FLU-7					
SLIM		FMU			
FS90-3 / 3L	from 2.20 to 2.25	FMU-10	from 2.51 to 2.53		
FS90-4 / 4L		FMU-16			
FS90-6 / 6L		FMU-20			
STD 90°				DOUBLE	
F90-7 / 7L		from 2.26 to 2.38		F90-7 2U / 7L 2U	from 2.54 to 2.61
F90-10 / 10L	F90-10 2U / 10L 2U				
F90-13 / 13L	F90-16 2U / 16L 2U				
F90-16S	F90-20 2U				
F90-20S	F90-30 2U				
F90-16 / 16L					
F90-20 / 20L					
F90-S40					
COOLANT			ACCESSORIES		
F90-7 10Bar / 7L 10Bar	from 2.39 to 2.46		OPZIONE REFRIGERANTE INTERNO MODULAR QUICK CHANGE ADAPTORS	from 2.70 to 2.79	
F90-10 10Bar		GHIERE RECOOL RECOOL NUTS NEW			
F90-13 10Bar		ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE			
F90-16S 10Bar		SISTEMA ANTIROTANTE MULTIPONT MULTIPONT ANTIROTATION SYSTEM			
F90-16 10Bar		ESEMPIO DI MONTAGGIO MOUNTING EXAMPLE			
F90-20 10Bar		STOP-BLOCK STOP-BLOCK			
F90-S40 70Bar		GRUPPO ANTIROTANTE ANTI-ROTATION GROUP			
		GRUPPO PERO PIN GROUP			

INDICE - INDEX

MTC - MANUAL TOOL CHANGE

	pages
STD 90°	
F90-16S	from 2.64 to 2.67
F90-16L	
F90-20 / 20L	
XL	2.68
F90-S40	
ACCESSORIES	
OPZIONE REFRIGERANTE INTERNO INTERNAL COOLANT OPTION	
CONI / FLANGE / PROLUNGHE SHANKS / FLANGES / EXTENSIONS	from 2.80 to 2.86
ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE	
ESEMPIO DI MONTAGGIO MOUNTING EXAMPLE	
PINZE / GHIERE / CHIAVI COLLETS / NUTS / WRENCHES	

2

Teste Angolari / Angle Heads

EVOLUTION LINE



Velocità / High-speed
10.000 Rpm



Internal coolant
fino a / Up to
70Bar

Teste Angolari Modulari ! - Modular Angle heads !

2

from 2.11 to 2.61



SERIE ATC / ATC SERIES

Le teste ATC (Automatic Tool Change) sono ideali per le macchine di produzione a controllo numerico con cambio utensili automatico. Sono trasportabili automaticamente dal magazzino utensili al mandrino macchina e viceversa. Corpo testa orientabile di 360° su ASSE MANDRINO.

Sulle teste modello FMU, il supporto del mandrino portautensile ha possibilità di inclinarsi di ±90°. Se la testa non è in posizione di lavoro, un sistema di aggancio impedisce la rotazione del cono rispetto al corpo testa.

ATC angle heads are ideal for CNC machines with automatic tool change and can be automatically transferred from the tool store to the machine spindle and vice-versa. Angle head body adjustable at 360° on SPINDLE AXIS. On FMU heads, the cutter spindle housing can be adjusted at ±90°. If an ATC angle head is not placed into the machine spindle, a locking system prevents shank rotation relative to the head body.

from 2.63 to 2.68



SERIE MTC / MTC SERIES

Linea di teste per le macchine non dotate di cambio utensili automatico. Le teste MTC (Manual Tool Change) vanno montate manualmente e fissate al mandrino tramite flangiatura. Sulle teste modello FMU, il supporto del mandrino portautensile ha la possibilità di inclinarsi e di posizionarsi di ±90°.

This is a range of heads is for conventional machines without automatic tool change. MTC angle heads (Manual Toll Change) are manually mounted on the machine headstock through a flange. On FMU heads, the cutter spindle housing can be adjusted at ±90°.



Coni Intercambiabili Interchangeable Shanks

Coni intercambiabili per un utilizzo su più centri di lavoro. Una sola testa per più centri di lavoro

Interchangeable driven tapers to fit any machine spindle. One head for many machines



Cuscinetti ABEC 9 ABEC 9 Ball Bearings

Ciascun albero di trasmissione è supportato da una coppia di cuscinetti a contatto obliquo, precaricati in classe di precisione ABEC 9 e lubrificati con grasso a vita.

Shafts supported by sets of super precision pre-loaded angular contact bearings with Long Life grease lubrication and ABEC 9 accuracy rating



Corpo testa in acciaio Steel head body

Corpo testa orientabile a 360° con pressurizzazione interna. In acciaio trattato, massima rigidità e resistenza alla corrosione. Minima dilatazione termica

Treated steel head body with 360° position and internal air pressure, maximum rigidity and corrosion resistant. Minimum thermal expansion



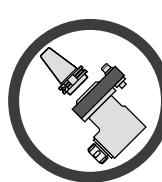
Ingranaggi Gleason Gleason Spiral bevel gears

Ingranaggi conici spiroidali in materiale ad alta resistenza, rettificati per garantire minore riscaldamento e rumorosità ed elevato numero di giri. Calcolo computerizzato della coppia conica degli ingranaggi (gleason): più denti in presa, più coppia in uscita, maggior numero di ore di lavorazione, rumorosità quasi assente.

Ground spiral bevel gears in the highest performance materials able to guarantee less warming and noise and the highest Rpm. Computerized computation of the data of the set gears more than one tooth working during mesh, more power transmitted, longer gear life, almost no noise

Le teste angolari Gerardi della nuovissima Linea Evolution nascono da solide basi tecniche e dall'esperienza maturata in 40 anni trascorsi al fianco dei nostri clienti durante i quali abbiamo risolto i problemi più variegati cercando la soluzione migliore e garantendo sempre l'elevata qualità ed affidabilità dei nostri prodotti. 104 modelli di teste angolari standard, ideati, realizzati e distribuiti in oltre 50 paesi nel mondo dalla Gerardi S.p.A., correddati da una gamma di opzioni che ne completano le potenzialità applicative e prestazionali.

The new Evolution line of Gerardi angle heads has been designed from a technical base derived from 40 years experience of solving thousands of production problems, finding optimum solutions and always guaranteeing the highest product quality 104 standard angle head types are now offered, designed, built and distributed in more than 50 countries the world over by Gerardi S.p.A., and available with a range of options to complete their application and performance potentials.



THE WEB PAGE

2

Linea di teste angolari modulari Modular angle heads series!



Uscite regolabili FMU
FMU Adjustable output

Operazioni orizzontali, verticali e angolari con una sola testa. Uscita completamente regolabile con angolazione $\pm 90^\circ$

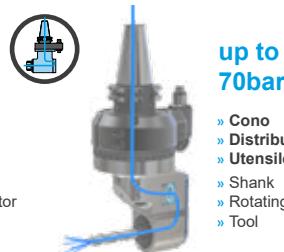
Vertical, horizontal and angular machining operations with one angle head only. Fully adjustable output $\pm 90^\circ$



Teste Slim, ideali per MICROLAVORAZIONI
Slim Angle heads ideal for MICROMACHINING



PASSAGGIO REFRIGERANTE - COOLANT TYPES:



MODULARITÀ SENZA MODULARITY WITHOUT

2

UNA SOLA TESTA PER PIÙ CENTRI DI LAVORO
ONE HEAD FOR MANY MACHINES

Coni intercambiabili per un utilizzo su più centri di lavoro!!
Interchangeable drive tapers to suit any machine spindle!!



F90-10 / ATC
ISO-40 / 65



HSK-63



STOP-BLOCK

**UN INVESTIMENTO CHE
SI RIPAGA VELOCEMENTE !!**
**QUICKEST RETURN ON YOUR
INVESTMENT !!**

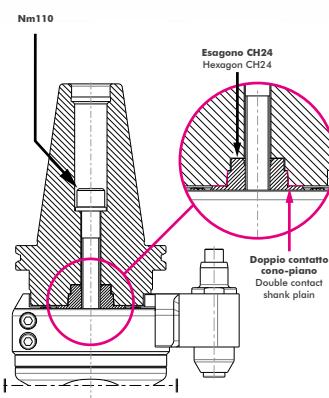
COMPROMESSI COMPROMISES

UN SOLO CENTRO DI LAVORO CON PIÙ TESTE
THE SAME MACHINE WITH MANY HEADS

Lavorare nelle migliori condizioni risparmiando sui costi di acquisto !!
A system to save costs !!



**UNA SOLUZIONE
APERTA PER IL LAVORO DI OGGI ,
PENSANDO A QUELLO DI DOMANI**
BE REAY FOR TOMORROW
WITH THE HEAD YOU BUY TODAY !!



**PERNO DI POSIZIONAMENTO MO-
DULARE INTERCAMBIABILE
A SCELTA**
A CHOICE OF MODULAR INTER-
CHANGEABLE ARRESTER PINS

**IL DOPPIO CONTATTO CONO E
PIANO ASSICURANO RIGIDITÀ
E PRECISIONE !!**
THE UNIQUE GERARDI TAPER AND
FACE LOCATION ENSURE RIGIDITY
AND ACCURACY !!

Novità / News

Evolution Line

Nuovi Modelli di Teste Angolari Integrali

New Types of Integral Angle Heads

2



STD 90° LONG SERIES

Teste angolari light con corpo in alluminio FL90-13L e FL90-16L

New light angle heads with aluminum body FL90-13L and FL90-16L



FMU SERIES

Testa angolare light in alluminio FLU con angolazione regolabile da 0° a 180°

New angle head light FLU with aluminum bodies with adjustable angle from 0° to 180°



STD 90° SERIES

Testa angolare F90-20L con cono integrale

Angle head model F90-20L with integral shank



OFFSET SERIES

Gamma di teste disassate con refrigerante interno fino a 70bar.

New offset heads range with internal coolant up to 70 bar.

Esempi applicativi / Applications examples

Linea Evolution

Teste angolari integrali serie ATC (Cambio utensile automatico)

Integral angle heads ATC series (Automatic tool change)

2



SLIM SERIES

Ideali per Microlavorazioni in spazi ristretti
Ideal for Micromachining in narrow spaces



STD 90° SERIES

La serie ideale per fresature, forature e maschiature a $\pm 90^\circ$
The ideal series for milling, drilling and tapping at $\pm 90^\circ$



COOLANT SERIES

La serie di teste angolari con passaggio refrigerante dal perno, uscita utensile 10bar
With coolant input from the main positioning pin and output through the tool at 10bar



FMU SERIES

La serie di teste angolari con angolazione regolabile da $0 \pm 90^\circ$.
Angle heads series with adjustable angle from $0 \pm 90^\circ$.



DOUBLE SERIES

La serie di teste angolari ideali per fresature, forature e maschiature attraverso 2 mandrini contrapposti di 180°
Angle Heads series for milling drilling and tapping through 2 opposite outputs



OFFSET SERIES

Testa angolari disassate per lavorazioni in spazi ristretti con opzione passaggio refrigerante dal cono, uscita utensile 70 BAR
Offset series for machining in narrow spaces with coolant input directly from machine spindle and output through the tool at 70 BAR

SIMBOLOGIA DATI TECNICI

TECHNICAL DATA LOGOS

2

Rapporto trasmisione Ratio	Numero di giri Revolutions per minute Rpm	Carico assiale Axial load N	Coppia Torque Nm	Peso Weight Kg	Uscita Output Ø	Maschio Tapping M	Pinza Collet Ø

INDICE OPZIONI

OPTIONS INDEX

OPZIONI OPTIONS					
	Alta velocità High speed	Spina per posizionamento rapido Quick positioning pin	Interasse speciale Special pitch	Lunghezze speciali Special lenght	Flangia Multipoint Multipoint flange
PASSAGGIO REFRIGERANTE COOLANT					
	Attaverso il perno Through the Pin 10bar (standard)	Perno » Distrib » Utensile Pin » Distributor » Tool 10bar	Cono » Distrib » Utensile Shank » Distributor » Tool 70bar	Distributore » Utensile Distributor » Tool 10bar	Perno » Ghiera » Utensile Pin » Distrib » Tool ReCool NUT
USCITA OUTPUT					
	Uscita HSK HSK output	Uscita ISO ISO output	Uscita portafresa Shell mill holder output	Uscita WELDON WELDON output	Uscita C. C. output
					Doppia uscita Double output

ATC SERIES

AUTOMATIC TOOL CHANGE



2

INGRANAGGI - GEARS



Ingranaggi Gleason con evolvente rettificato massime performances e minori vibrazioni

Gleason ground spiral bevel gears maximum performances and minimum vibration



STOP BLOCK

con bussola cementata e guarnizione
with case hardened bushing and gasket



CUSCINETTI - BEARINGS

Cuscinetti a sfera a contatto obliquo in classe di precisione ABEC 9

Angular contact preloaded ball bearings of precision class ABEC 9

DESIGN

Il Design compatto, insieme alle specifiche descritte, consente: alte performances, elevate velocità, lunga durata degli utensili.

The Compact design, along with mentioned specifications, allows: highest performances, high speeds, long tools life

**Albero cementato,
temprato, rettificato**
Case hardened and ground shank and shaft

Case hardened and ground shank and shaft

Perno di riferimento con sbloccaggio automatico del porta utensile
Positioning pin with automatic release

Gruppo antirotante modulare
Modular antirotation group

Passaggio refrigerante 10BAR attraverso il perno
Standard 10BAR coolant through the pin

Anello graduato
Graduated ring



**Corpo testa orientabile a 360° con pressurizzazione interna.
In acciaio trattato, massima rigidità e resistenza alla corrosione. Minima dilatazione termica.**

Treated steel head body with 360° position and internal air pressure, maximum rigidity and corrosion resistant. Minimum thermal expansion

USCITE - OUTPUTS:

- Portapinza ER (standard)
 - Weldon
 - Portafresa
 - Speciale
- ER collet (standard)
 - Weldon
 - Shell mill holder
 - Special

Ciascun albero di trasmissione supportato da cuscinetti a contatto obliqui, che garantiscono rotazioni dell'albero-cono e dell'uscita portautensile entro 0,01 mm
Each transmission shaft is supported by slanting bearings that ensure the shaft with shank and the toolholder output rotations within 0,01mm.

LIGHT SERIES

ANGLE HEADS LIGHT SERIES

2

LIGHT SERIES

Serie LIGHT

da pag 2.13 a 2.19

Caratteristiche tecniche principali:

- Design ottimizzato per un miglior rapporto qualità prezzo.
- Corpo in alluminio.
- Riduzione significativa del peso.
- Perno di posizionamento conico.

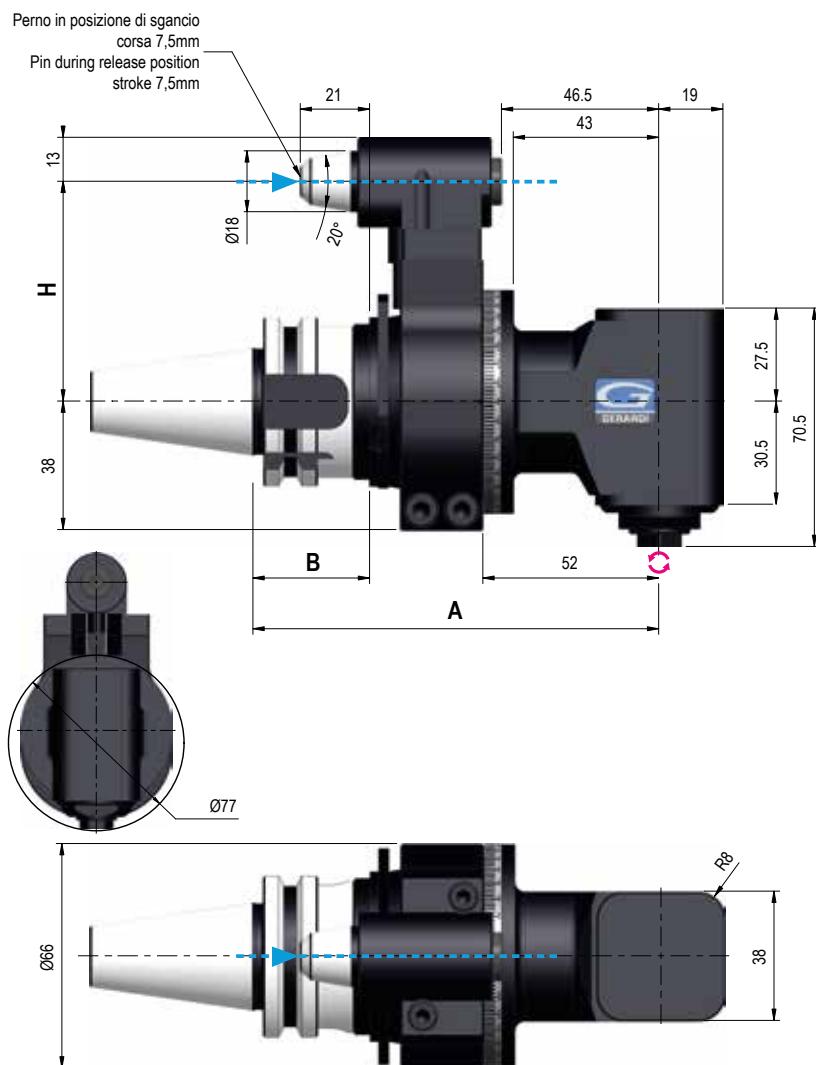
LIGHT Series

from page 2.13 to 2.19

Main technical features:

- Design studied for a best price-quality ratio.
- Aluminum body.
- Weight reduction.
- Conic positioning pin.




FL90-7
TYPE 0
2

Dati tecnici - Technical data	
	Ratio 1:1
	ISO / BT 30 Kg 2,1 ISO / BT 40 Kg 2,5
	Rpm 8.000
	Ø 7
	N 150
	M 6
	Nm 5,6
	ER11 01/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT ANSI B5.50		BT MAS 403		HSK DIN 69893
Grandezza - Size	30	40	40	40	30	40	63	80
Dual contact (Optional)								
H Standard Ø18	65	65	65	65	65	65	65	65
A	120	120	120	120	120	120	129	129
B	35	35	35	35	35	35	44	44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 5,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

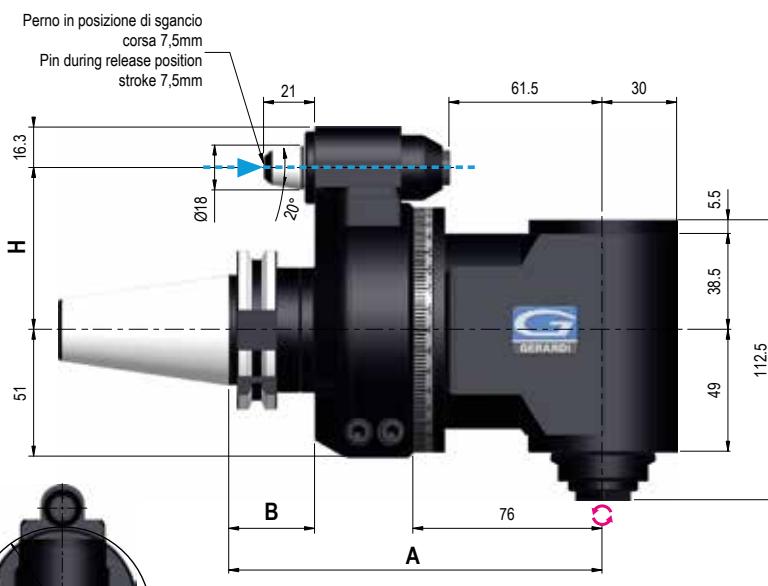
OPZIONI - OPTIONS
PINZA - COLLET - ER11 - Ø1/7
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FL90-13

TYPE 1

**2****Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT 30 Kg 5 ISO / BT 40 Kg 5 ISO / BT 50 Kg 7,5
	Rpm 6.000		Ø 13
	N 560		M 10
	Nm 19		ER20 Ø1/13



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80 80	65 / 80 80 80	65 / 80 80 80	65 / 80 80 80
H	110 - Ø18 110 - Ø28						
A	150 150 150	150	150 150 158	159 159 159	- - -	- - -	- - -
B	35 35 35	35	35 35 43	44 44 44	- - -	- - -	- - -

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

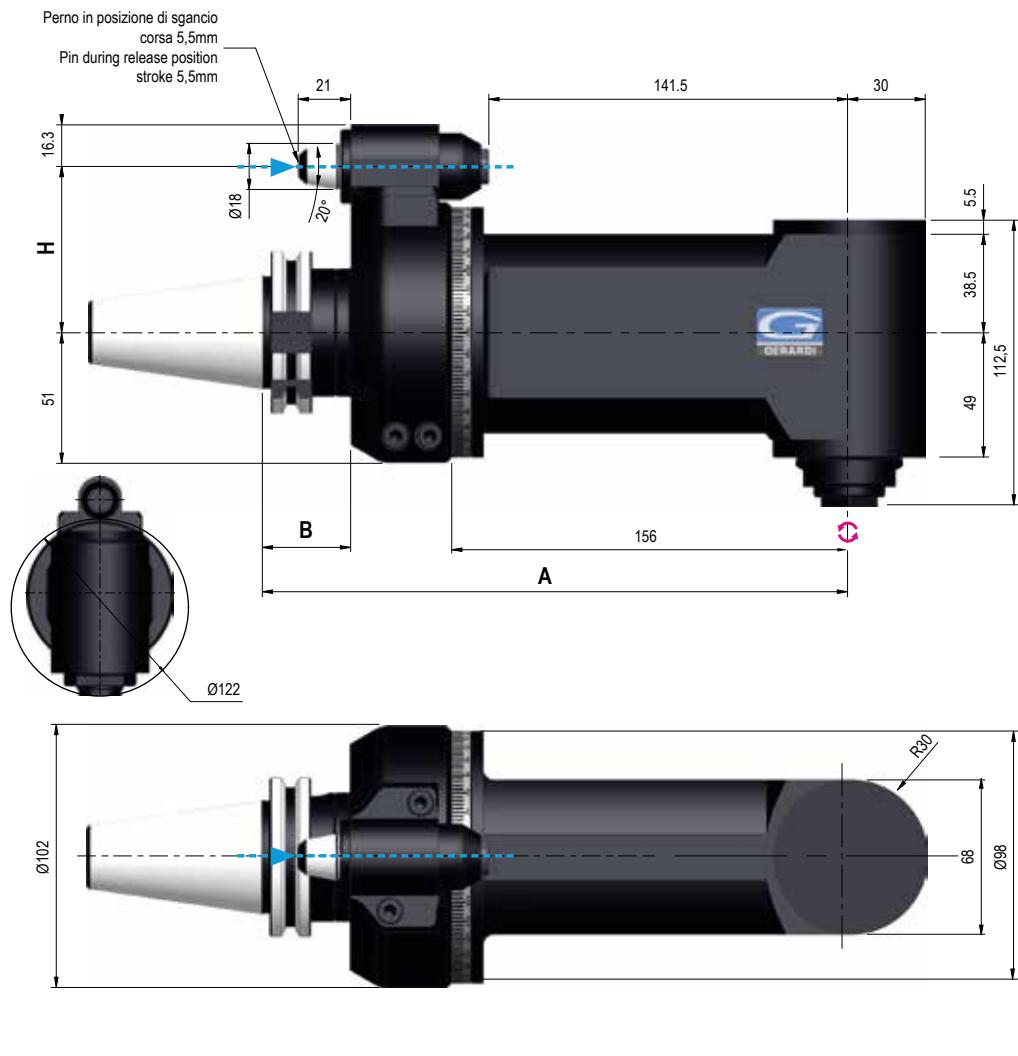
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER20 - Ø1/13****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**

FL90-13L

TYPE 1


Dati tecnici - Technical data
Ratio
1:1ISO / BT 30
Kg 5,7
ISO / BT 40
Kg 8Rpm
6.000

Ø 13



N 560



M 10



Nm 19

ER20
Ø1/13

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80
H 110 - Ø18							
H 110 - Ø28							
A	230	230	230	230	230	238	-
B	35	35	35	35	35	43	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 15Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

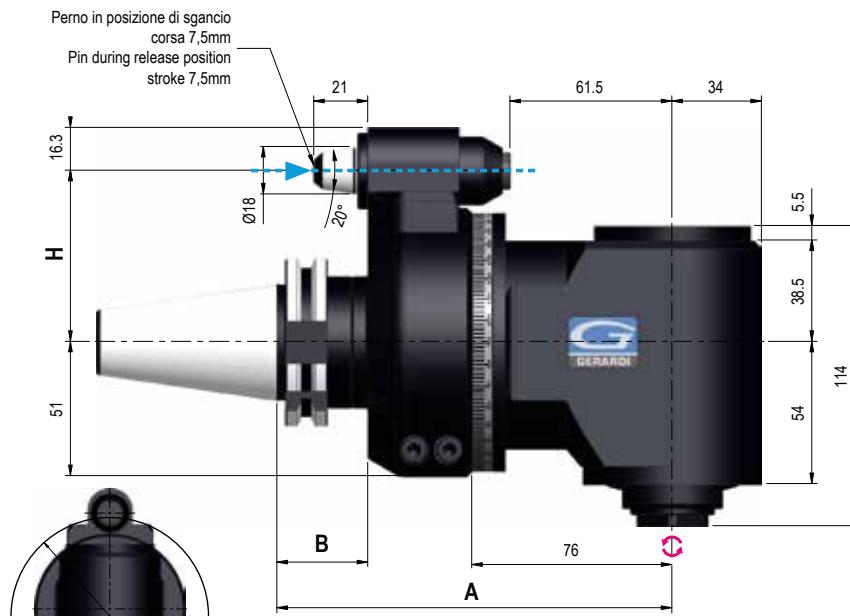
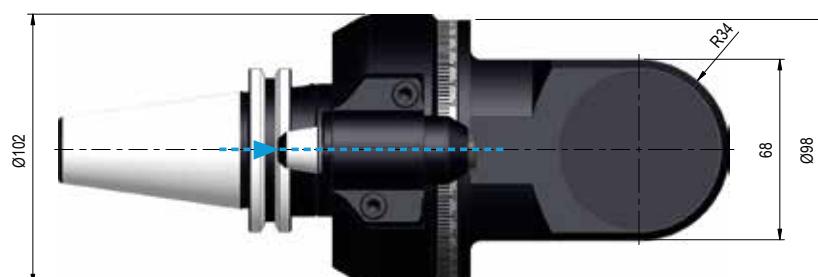
OPZIONI - OPTIONS
PINZA - COLLET - ER25 - Ø1/16"
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FL90-16

TYPE 1


2
Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 5 ISO / BT 50 Kg 7.5
	Rpm 4.000		Ø 16
	N 850		M 12
	Nm 30		ER25 Ø1/16


SOLO PER FREZATURE LEGGERE
ONLY FOR LIGHT MILLING


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	63 80 100
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							80
H 110 - Ø28							80
A	150	150	150	150	150	158	159 159 159
B	35	35	35	35	35	43	44 44 44
					-	-	-
					-	-	-
					-	-	-
					-	-	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg

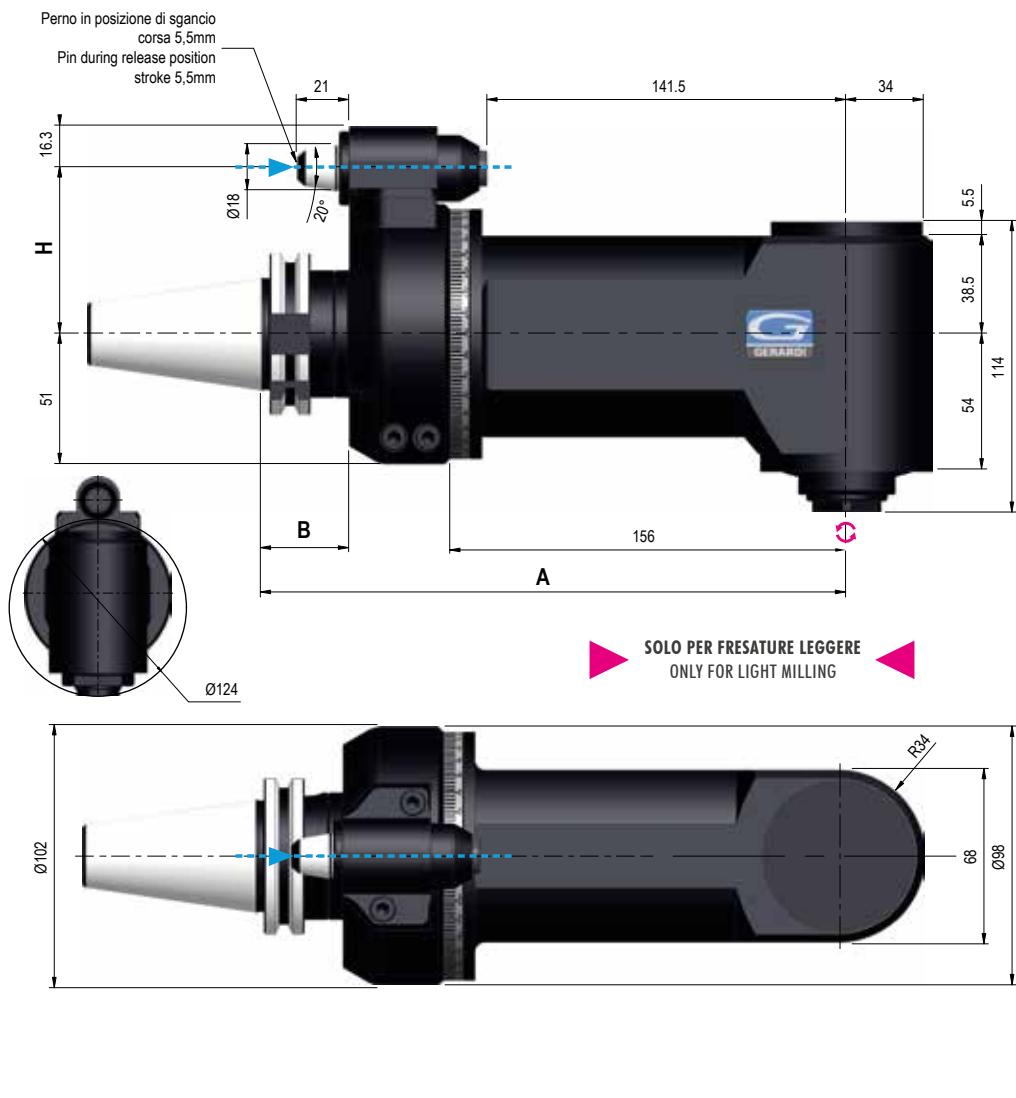

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER20 - Ø1/13
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin


FL90-16L

TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 30 Kg 6,5 ISO / BT 40 Kg 8,5
	Rpm 4.000		Ø 16
	N 850		M 12
	Nm 30		ER25 Ø1/16

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.Iso 26623		KM		ISO DIN 2080	
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100
Dual contact (Optional)															
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80
H 110 - Ø18															
H 110 - Ø28															
A	230	230	230	230	230	238	239	239	239	-	-	-	-	-	-
B	35	35	35	35	35	43	44	44	44	-	-	-	-	-	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER25 - Ø1/16

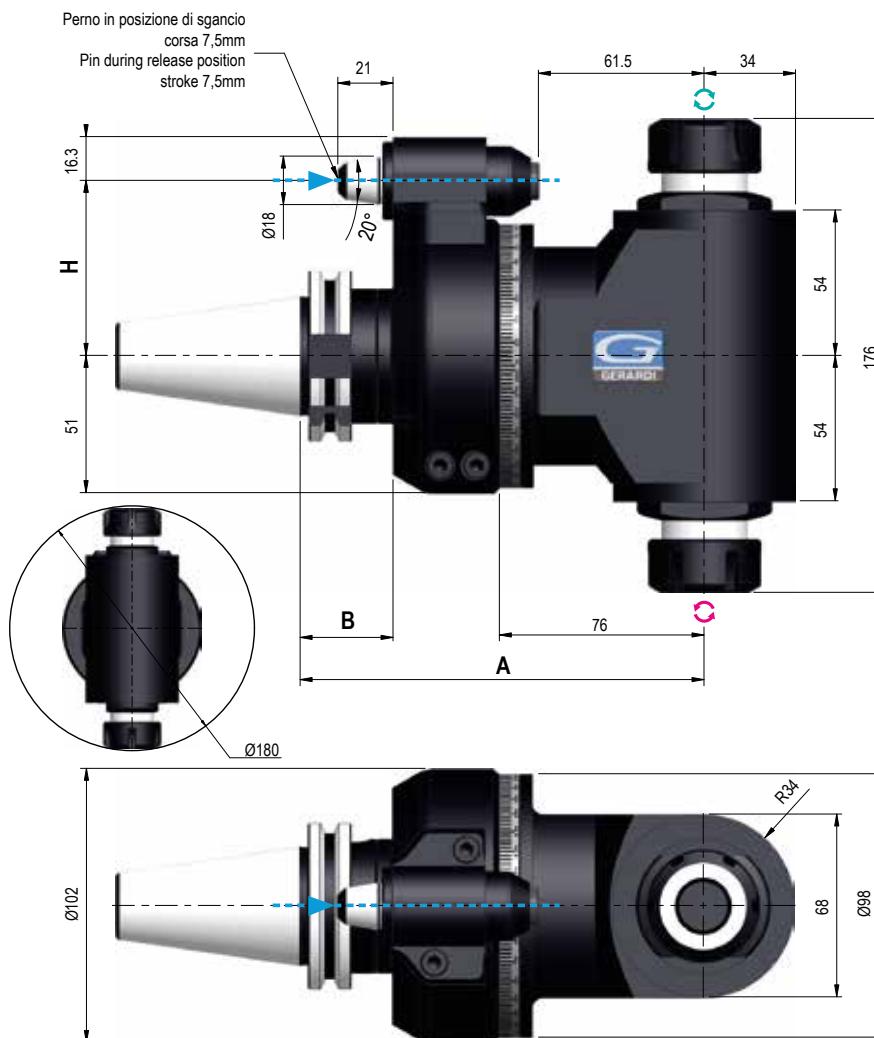
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FL90-16 2U

TYPE 1

2**Dati tecnici - Technical data**

	Ratio 1:1		Kg 6
	Rpm 4.000		Ø 16
	N 850		M 12
	Nm 30		ER25 Ø1/16



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	63 80 100
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18 110 - Ø28							
A	150	150	150	150	150	158	159 159 159
B	35	35	35	35	35	43	44 44 44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9Kg

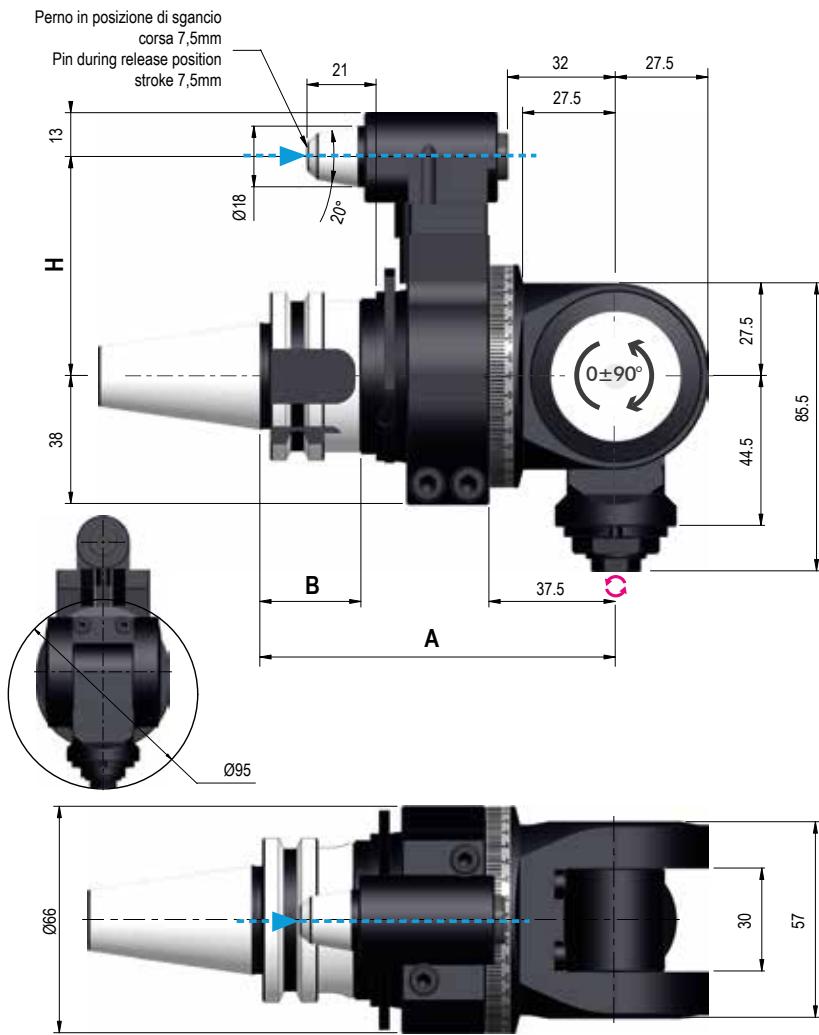
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER25 - Ø1/16****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**



FLU-7

TYPE 0



Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 30 Kg 2,2 ISO / BT 40 Kg 2,6
	Rpm 8.000		Ø 7
	N 85		M 6
	Nm 5,6		ER11 Ø1/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 5Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera FB / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

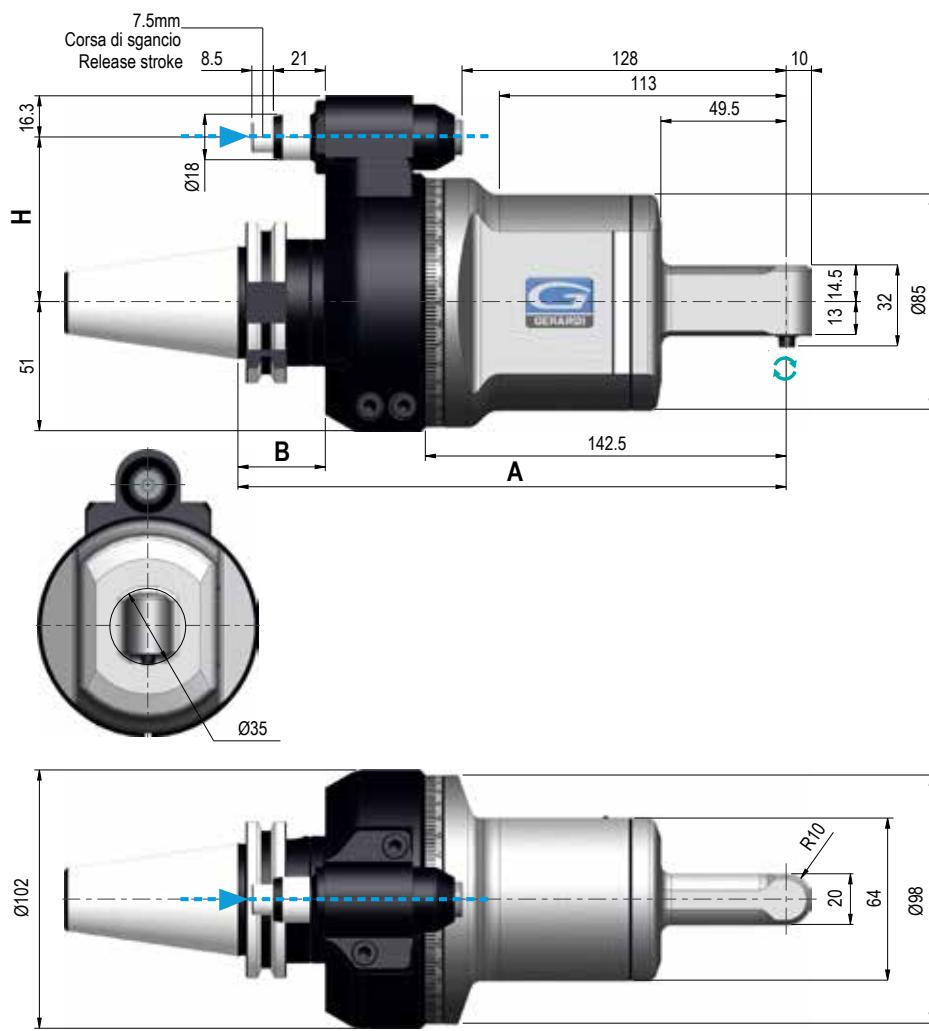
OPZIONI - OPTIONS

PINZA - COLLET - EB11 - 01/7

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FS90-3

TYPE 1


2

Dati tecnici - Technical data

	Ratio 1:1,2308		ISO / BT 40 Kg 6,7 ISO / BT 50 Kg 9,1
	Rpm 8.000		Ø 3
	N 70		M 3
	Nm 3,5		6023E Ø1/3

Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80
H 110 - Ø18 110 - Ø28							
A	216,5 216,5 216,5 216,5 216,5 216,5 224,5 225,5 225,5 225,5 220,5 220,5 220,5 216,5 216,5 216,5 216,5						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

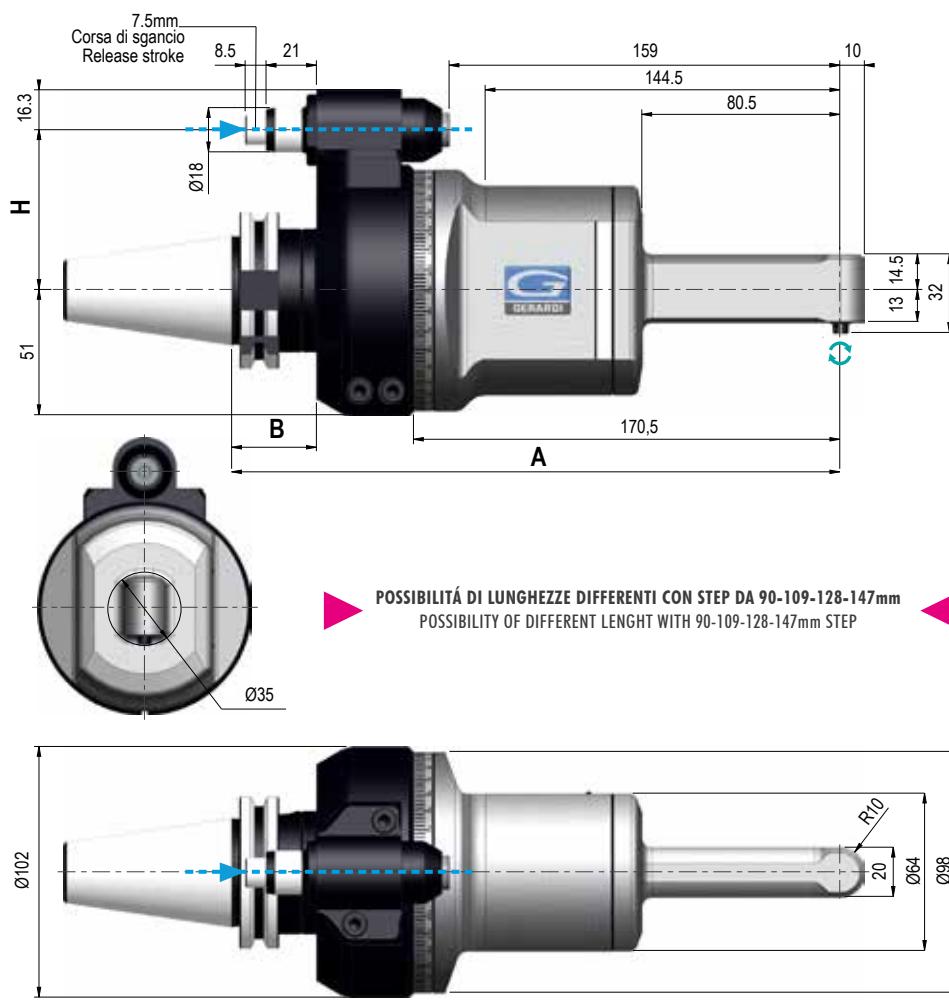
Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - 6023E

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin


FS90-3L

TYPE 1

2


Dati tecnici - Technical data

	Ratio 1:1,2308		ISO / BT 40 Kg 6,7 ISO / BT 50 Kg 9,1
	Rpm 8.000		Ø 3
	N 70		M 3
	Nm 3,5		6023E Ø1/3



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080				
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50
Dual contact (Optional)																		
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80	65 / 80	80
H 110 - Ø18																		
H 110 - Ø28																		
A	247,5	247,5	247,5	247,5	247,5	247,5	255,5	256,5	256,5	256,5	251,5	251,5	251,5	247,5	247,5	247,5	247,5	247,5
B	35	35	35	35	35	35	43	44	44	44	39	39	39	-	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

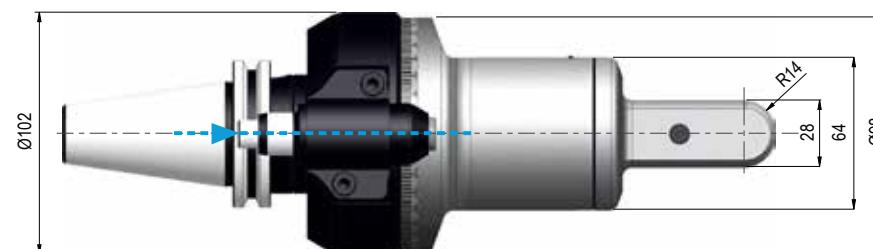
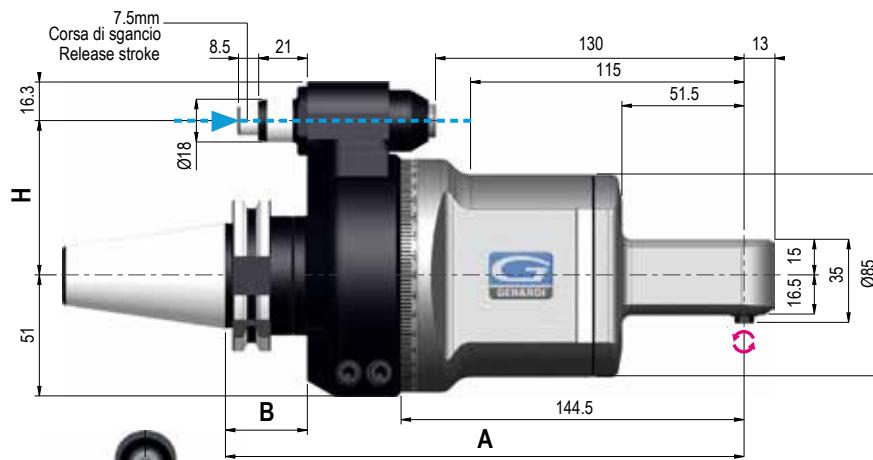
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - 6023E

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FS90-4

TYPE 1


2

Dati tecnici - Technical data

 Ratio
1:1

Kg
ISO / BT 40
Kg 7
ISO / BT 50
Kg 9,4

 Rpm
8.000

Ø 4

N 120

M 3

Nm 6

600E
Ø1/4

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80					
A	218,5 218,5 218,5 218,5 218,5 226,5 227,5 227,5 227,5 222,5 222,5 222,5 218,5 218,5 218,5 218,5 218,5 218,5						
B	35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

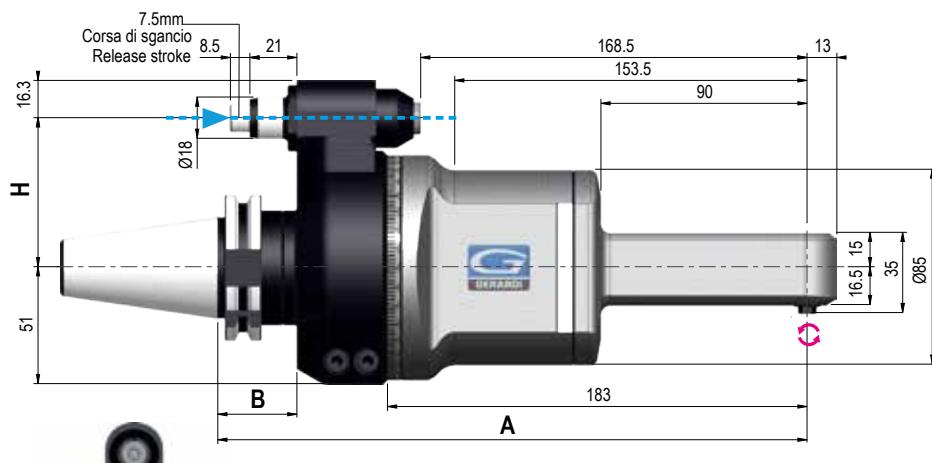
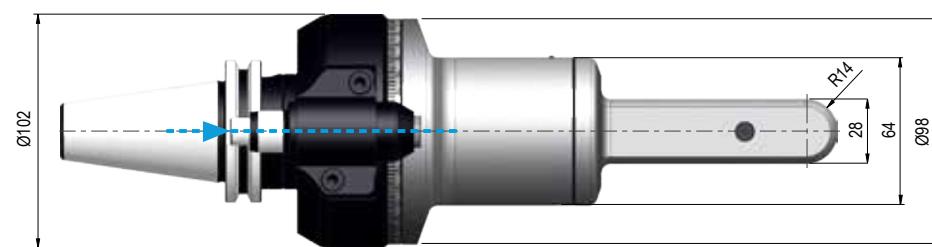
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - 600E
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FS90-4L

TYPE 1


POSSIBILITÀ DI LUNGHEZZE DIFFERENTI CON STEP DA 90-109-128-147mm
POSSIBILITY OF DIFFERENT LENGTH WITH 90-109-128-147mm STEP

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 7 ISO / BT 50 Kg 9,4
	Rpm 8.000		Ø 4
	N 120		M 3
	Nm 6		600E Ø1/4

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080				
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50
Dual contact (Optional)																		
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80	65 / 80	80
H 110 - Ø18																		
H 110 - Ø28																		
A	257	257	257	257	257	257	265	266	266	266	261	261	261	257	257	257	257	257
B	35	35	35	35	35	35	43	44	44	44	39	39	39	-	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

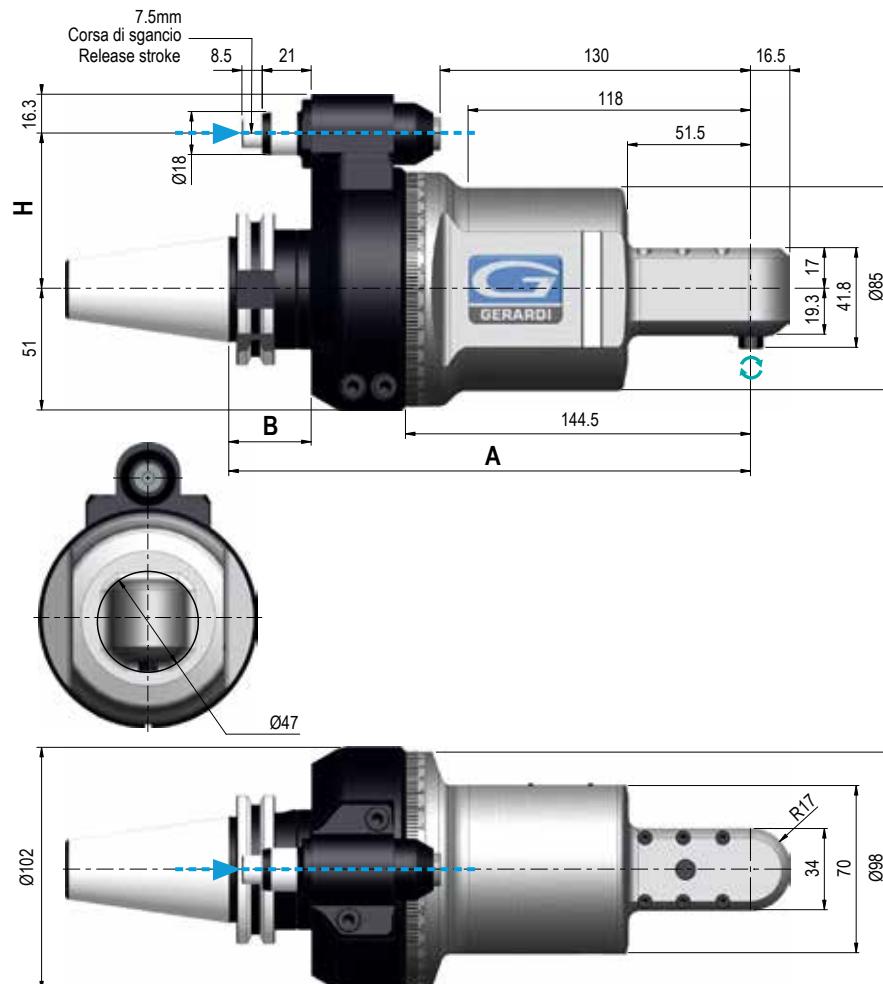
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - 600E

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FS90-6

TYPE 1


2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 7.2 ISO / BT 50 Kg 9.6
	Rpm 8.000		Ø 6
	N 150		M 6
	Nm 8		601E Ø 1/6

Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 80 80 65 80 80 65 80 80 65 80 80					
A	218,5 218,5 218,5 218,5 218,5 218,5 226,5 227,5 227,5 227,5 222,5 222,5 222,5 218,5 218,5 218,5 218,5 218,5 218,5						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg

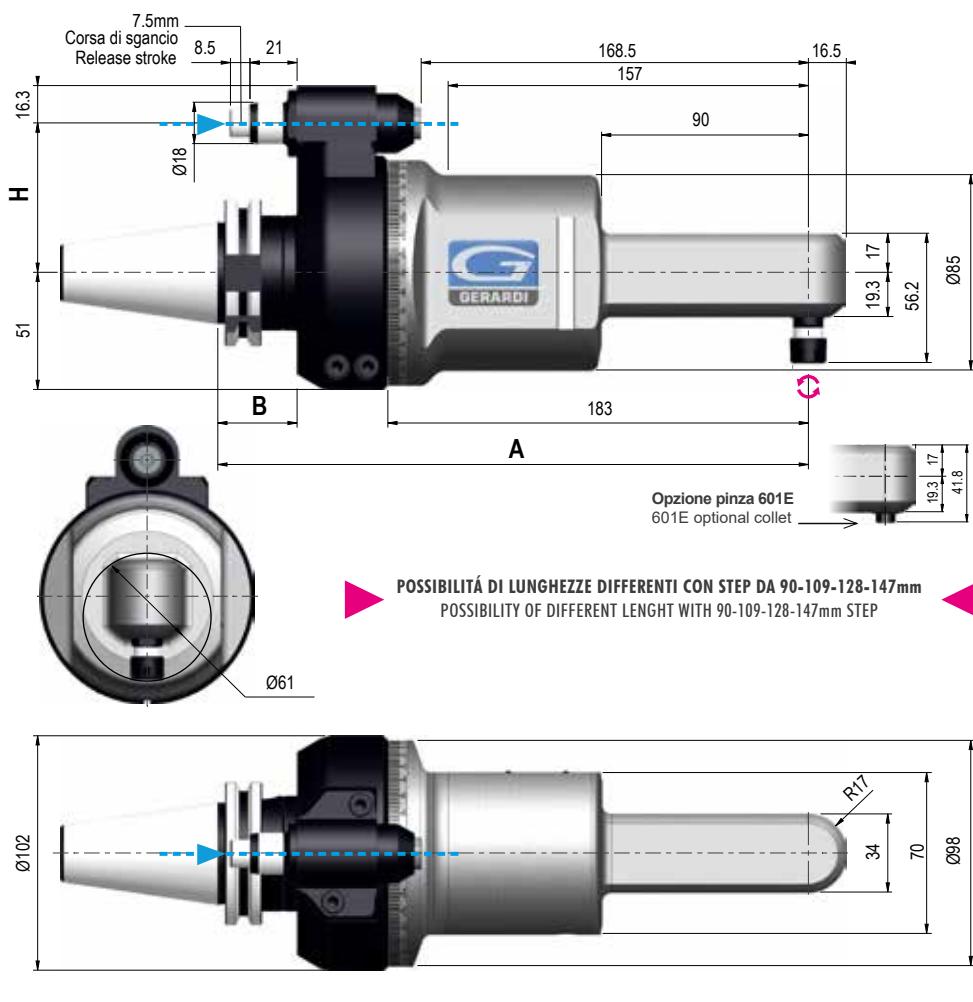

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - ER11 Ø1/7
PINZA - COLLET - 601E
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin


FS90-6L

TYPE 1


2
Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 7,2 ISO / BT 50 Kg 9,6
	Rpm 8.000		Ø 7
	N 150		M 6
	Nm 8		ER11 Ø1/7

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080				
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50
Dual contact (Optional)																		
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	80	80	65 / 80	80	80	65	80
H 110 - Ø18																		
H 110 - Ø28																		
A	257	257	257	257	257	257	265	266	266	266	261	261	261	257	257	257	257	257
B	35	35	35	35	35	35	43	44	44	44	39	39	39	-	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

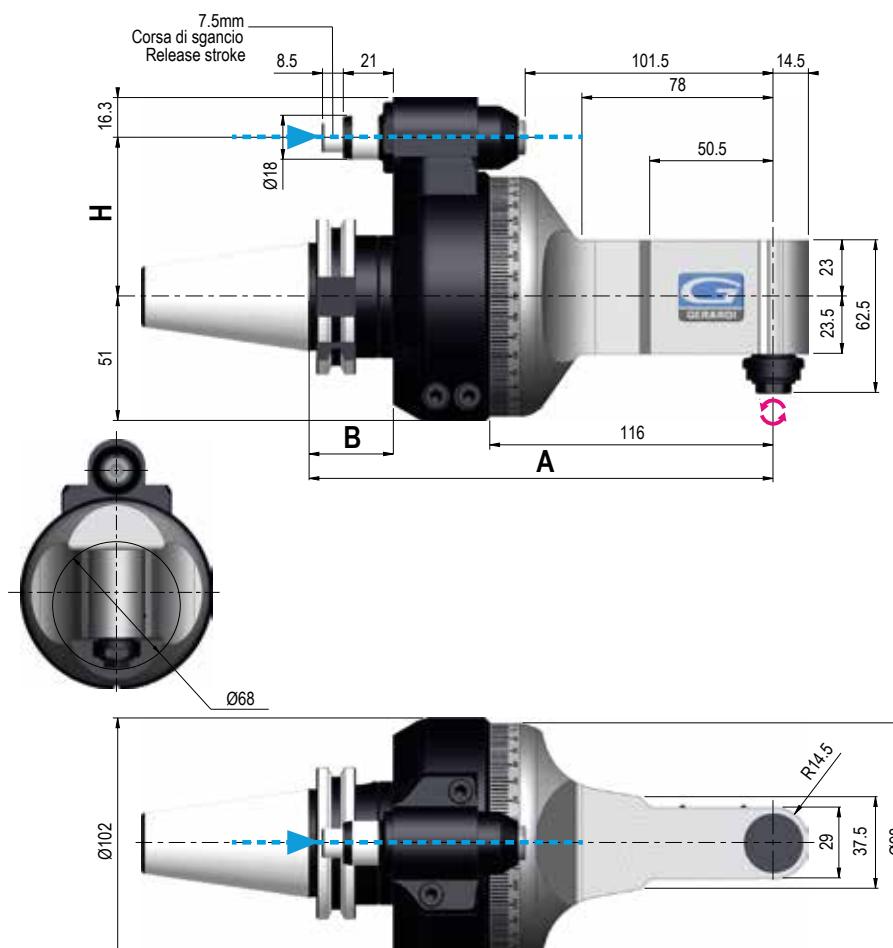
Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - 601E Ø1/6 (Pinze - Collets Page 2.84)
PINZA - COLLET - ER11 Ø1/7
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-7
TYPE 1

2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 5.6 ISO / BT 50 Kg 7.5
	Rpm 10.000		Ø 7
	N 180		M 6
	Nm 11		ER11 Ø1/7

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80					
A	190 190 190 190 190 190 198 199 199 199 194 194 194 190 190 190 190						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

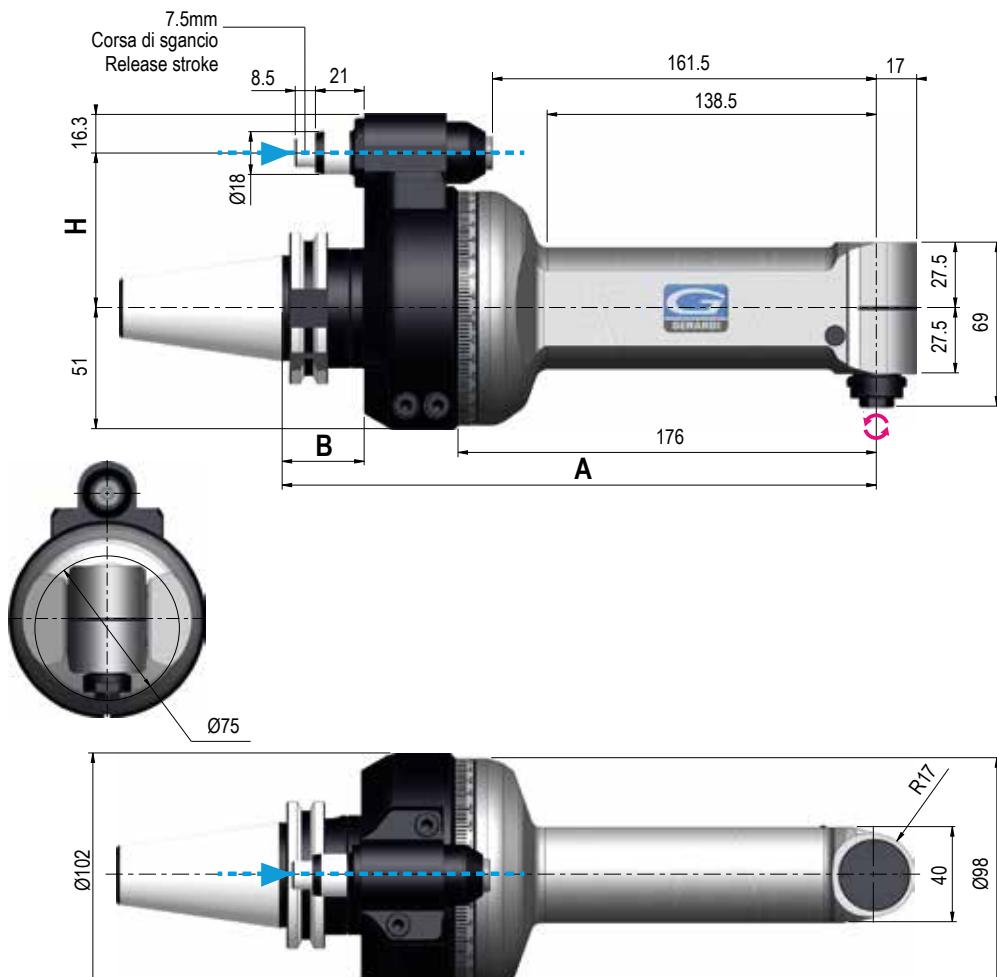
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER11 Ø1/7

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



F90-7L

TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6,5 ISO / BT 50 Kg 8,8
	Rpm 10.000		Ø 7
	N 180		M 6
	Nm 11		ER11 Ø1/7

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080				
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50
Dual contact (Optional)																		
H	Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	
	110 - Ø18																	
	110 - Ø28																	
A		250	250	250	250	250	250	258	259	259	259	254	254	254	250	250	250	
B		35	35	35	35	35	35	43	44	44	44	39	39	39	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11,5Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

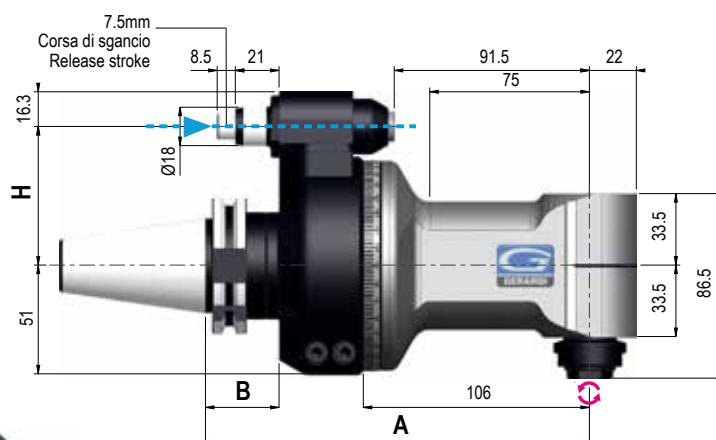
OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER11 Ø1/7

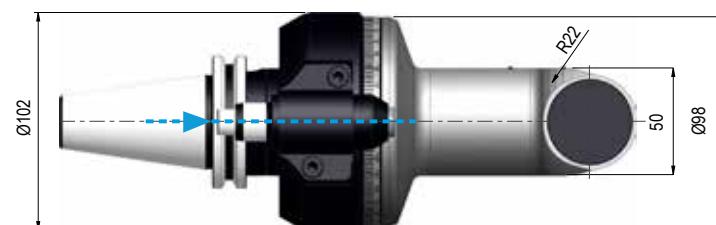
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-10

TYPE 1


2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 5.8 ISO / BT 50 Kg 8
	Rpm 10.000		Ø 10
	N 400		M 8
	Nm 14		ER16 Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	30 40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80	80 65 / 80 65 / 80 80	65 / 80 80 80 80	65 / 80 65 / 80 80 80	65 / 80 80 80 80	65 / 80 80 80 80
A	180 180 180 180	180 180 180 188	189 189 189 188	184 184 184 184	180 180 180 180	180 180 180 180	180 180 180 180
B	35 35 35 35	35 35 43 44	44 44 44 44	39 39 39 39	- - -	35 35 35 35	35 35 35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

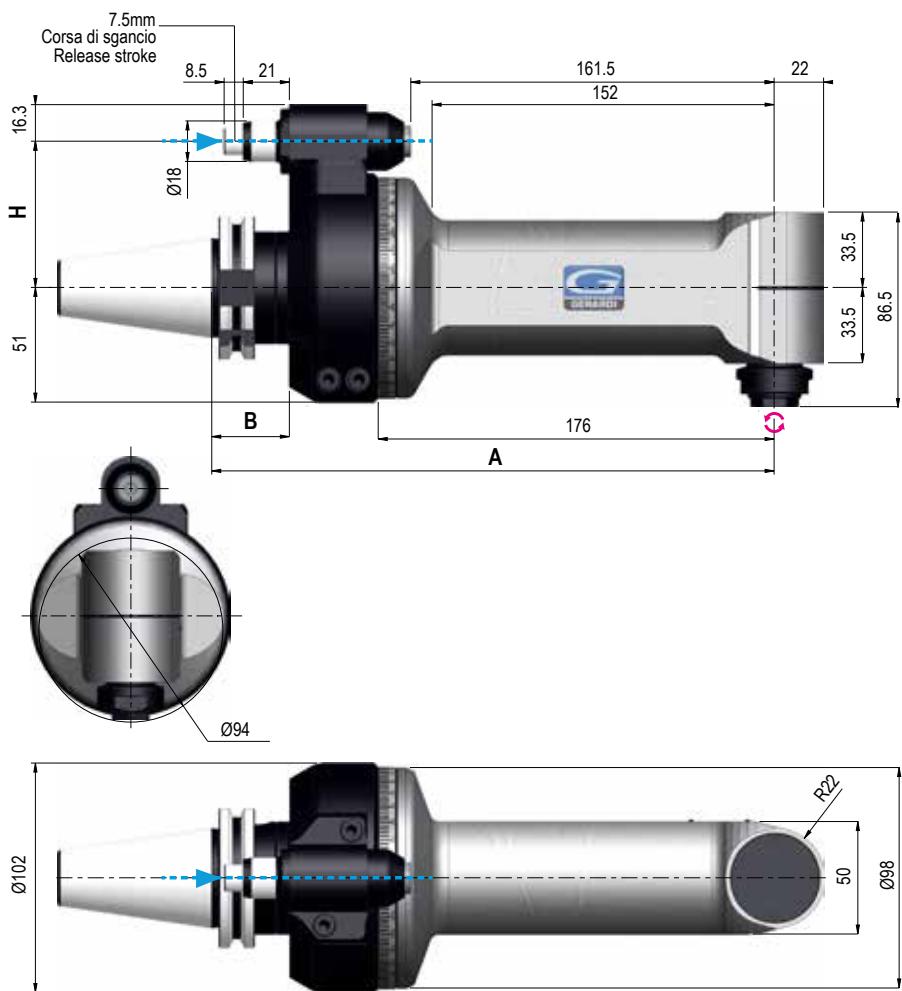
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16

OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER16 Ø1/10

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



F90-10L

TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 7,5 ISO / BT 50 Kg 9,8
	Rpm 10.000		Ø 10
	N 400		M 8
	Nm 14		ER16 Ø1/10

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080				
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50
Dual contact (Optional)																		
H Standard Ø18	65 / 80	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80	65 / 80	80
H 110 - Ø18																		
H 110 - Ø28																		
A	250	250	250	250	250	250	258	259	259	259	254	254	254	250	250	250	250	250
B	35	35	35	35	35	35	43	44	44	44	39	39	39	-	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 13Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

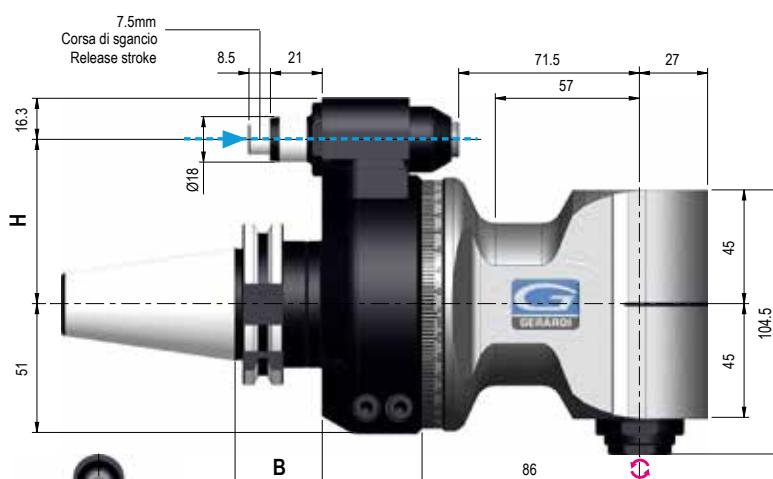
Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

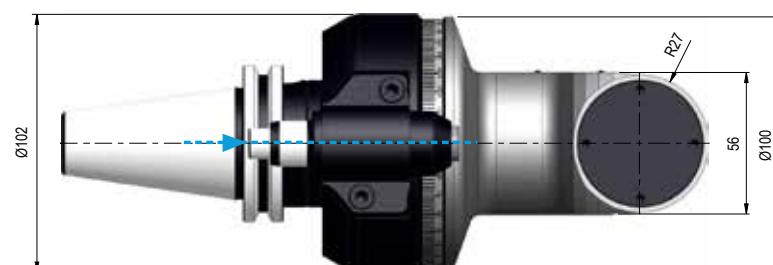
OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16
OUTPUT - Weldon Max Ø10
PINZA - COLLET - ER16 Ø1/10
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-13

TYPE 1


2

Dati tecnici - Technical data

	Ratio 1:1		ISO/BT40 6,5 Kg ISO/BT50 9 Kg
	Rpm 8.000		Ø 13
	N 810		M 10
	Nm 38		ER20 Ø1/13



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	40
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							
H 110 - Ø28							
A	160	160	160	160	168	169	160
B	35	35	35	35	43	44	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16

OUTPUT - Weldon Max Ø16

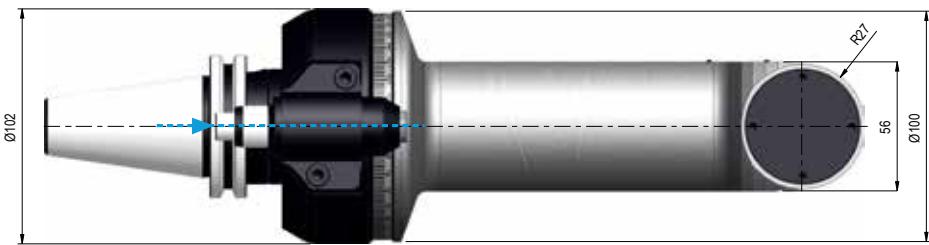
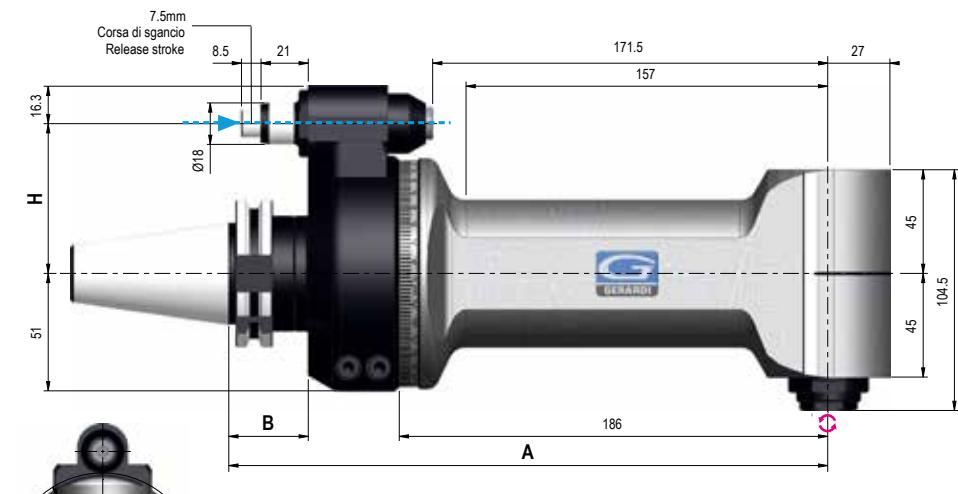
PINZA - COLLET - ER20 Ø1/13

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-13L

TYPE 1

2


Dati tecnici - Technical data

 Ratio
1:1

 ISO/BT40
9,5 Kg
ISO/BT50
12 Kg

 Rpm
8.000


Ø 13



N 810



M 10



Nm 38


 ER20
Ø1/13


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							
H 110 - Ø28							
A	260	260	260	260	268	269	269
B	35	35	35	35	43	44	44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

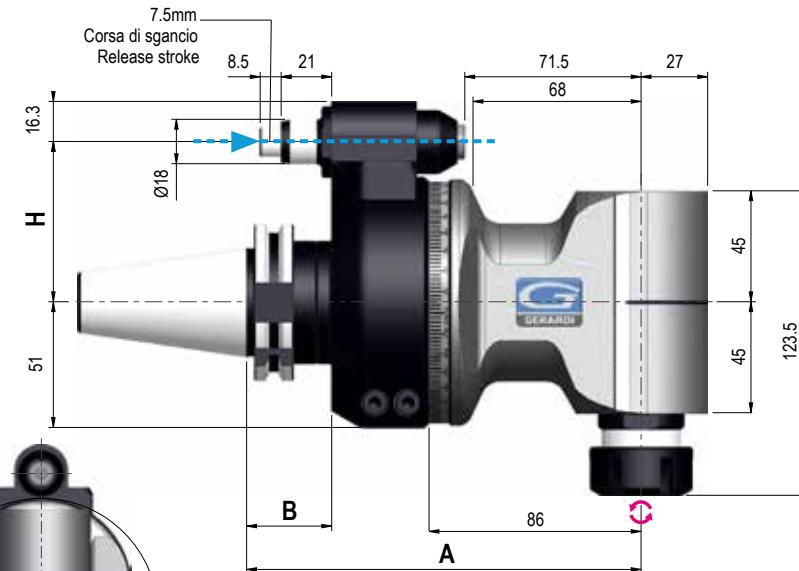
OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16
OUTPUT - Weldon Max Ø16
PINZA - COLLET - ER20 Ø1/13
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-16S

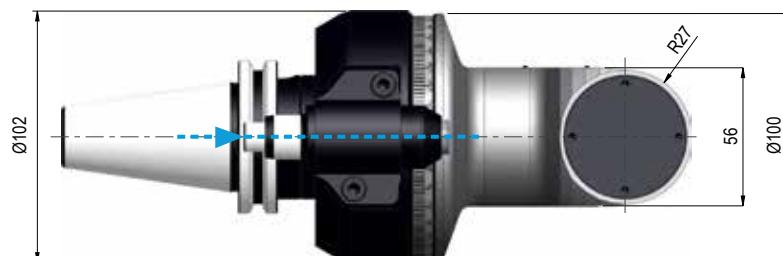
TYPE 1



2


Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6.4 ISO / BT 50 Kg 8.7
	Rpm 8.000		Ø 16
	N 810		M 12
	Nm 38		ER25 Ø1/16


PERFORMANCE RIDOTTÉ CON CONI GRANDEZZA C5
 REDUCED PERFORMANCES WITH SHANK SIZE C5


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 65 / 80 80 65 / 80 80 65 / 80 80 65 / 80 80					
A	160 160 160 160 160 168 169 169 169 164 164 164 160 160 160 160						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

DOUBLE OUTPUT - ER25 - ER25

OUTPUT - Shell mill holder Ø16

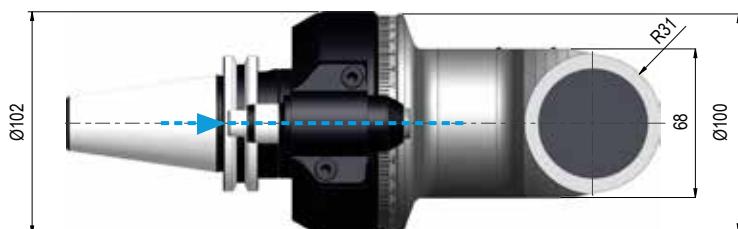
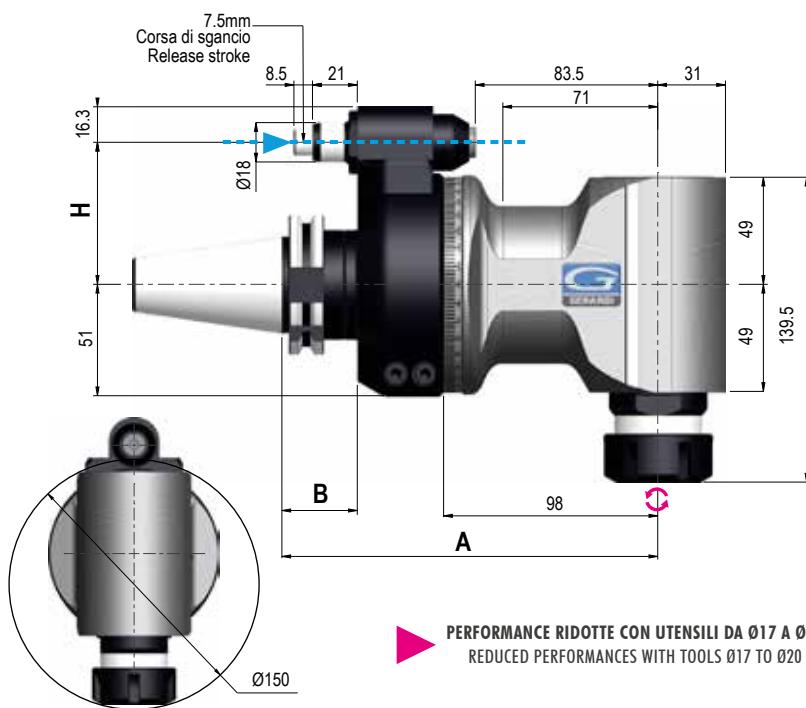
OUTPUT - Weldon Max Ø16

PINZA - COLLET - ER25 Ø1/16

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-20S

TYPE 1


Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 7 ISO / BT 50 Kg 12
	Rpm 5.000		Ø 20
	N 1.040		M 16
	Nm 55		ER32 Ø2/20



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080
Grandezza - Size	40	50	40	40	63	80	100		C5	C6	C8	63		40
Dual contact (Optional)														
H Standard Ø18	65 / 80	80	65 / 80	65 / 80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	65 / 80	65 / 80	65 / 80
H 110 - Ø18														
H 110 - Ø28														
A	172	172	172	172	181	181	181	176	176	176	172	172		172
B	35	35	35	35	44	44	44	39	39	39	-			35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - Shell mill holder Ø16/22/27

OUTPUT - Weldon Max Ø20

PINZA - COLLET - ER32 Ø2/20

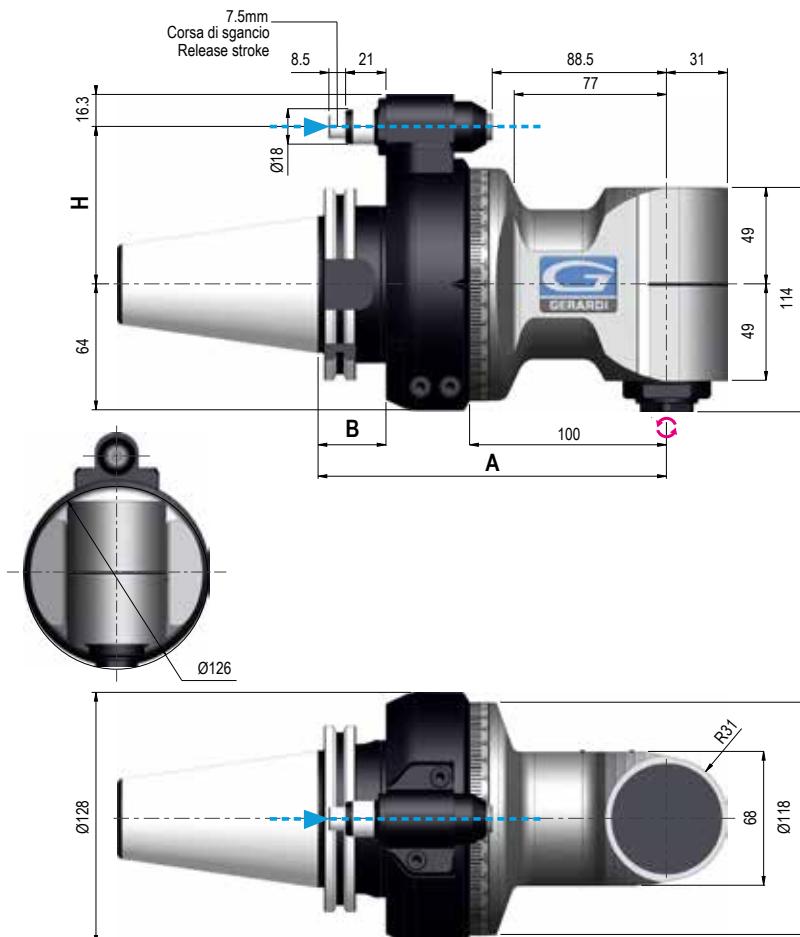
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-16

TYPE 2


2
Dati tecnici - Technical data

	Ratio 1:1		ISO/BT40 7,7 Kg ISO/BT50 11,7 Kg
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 Ø1/16



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	177	177	185	186	186	181	177
B	35	35	43	44	44	39	-
						-	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

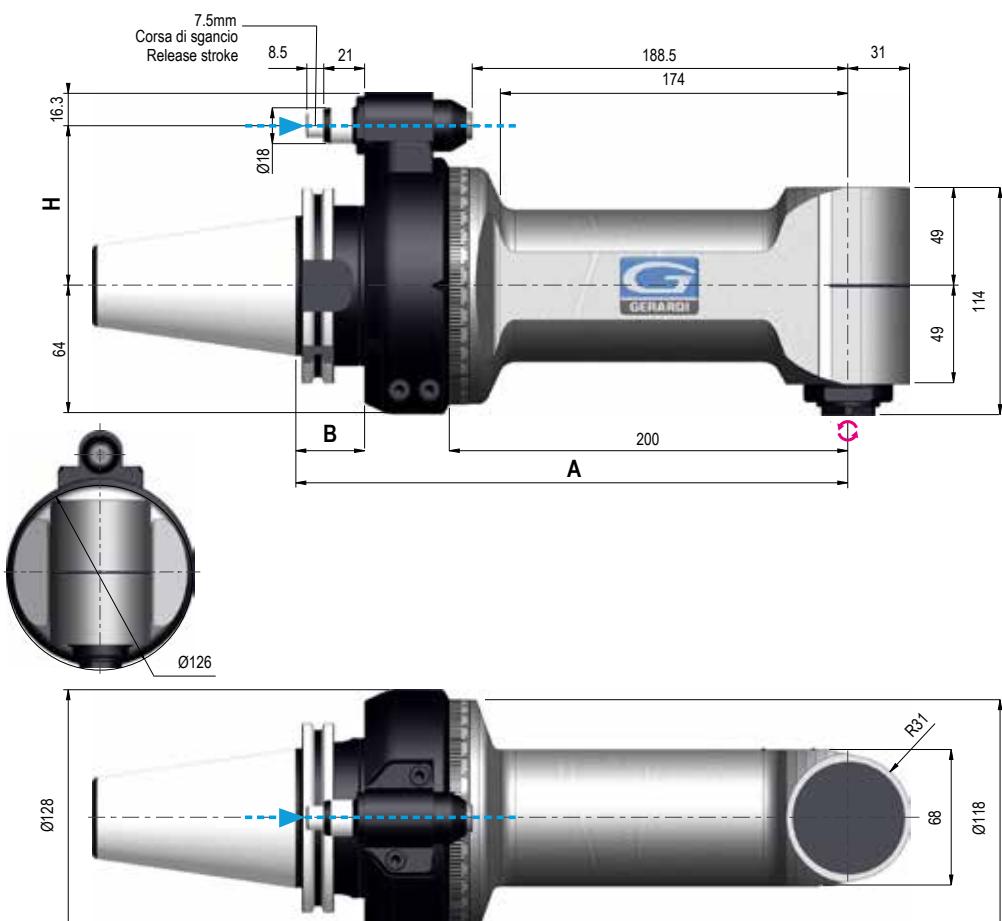
OUTPUT - HSK 32

OUTPUT - Shell mill holder Ø16/22

OUTPUT - Weldon Max Ø20

PINZA - COLLET - ER25 Ø1/16

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



F90-16L

TYPE 2



Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 15,5 Kg
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 Ø1/16

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080
Grandezza - Size		50		50		50		80	100		C8	80	100	50
Dual contact (Optional)														
H Standard Ø18		80		80		80		80	80		80	80	80	80
H 110 - Ø18														
H 110 - Ø28														
A		277		277		285		286	286		281	277	277	277
B		35		35		43		44	44		39	-	-	35

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 27Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT
 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

OUTPUT - HSK 32

OUTPUT - Shell mill holder Ø16/22

OUTPUT - Weldon Max Ø20

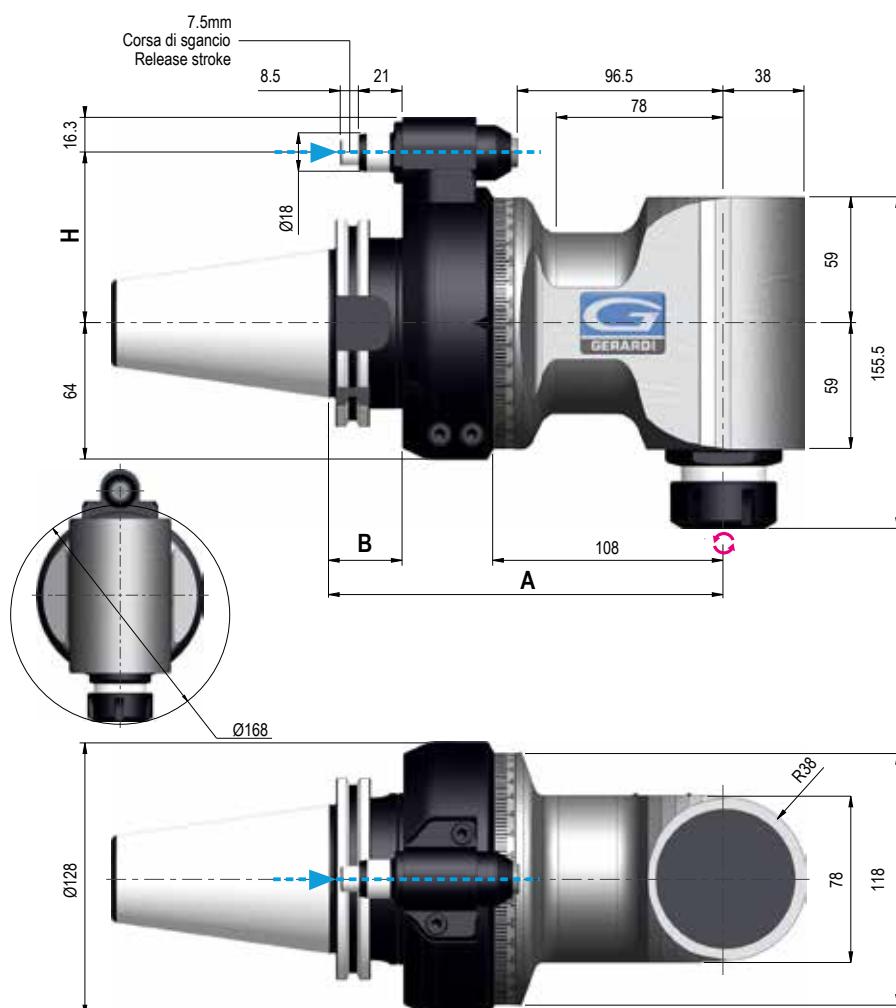
PINZA - COLLET - ER25 Ø1/16

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-20
TYPE 2

2
Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 14,5 Kg
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 Ø2/20

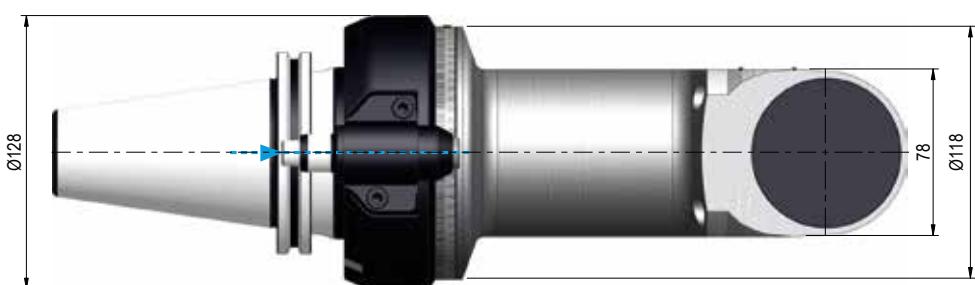
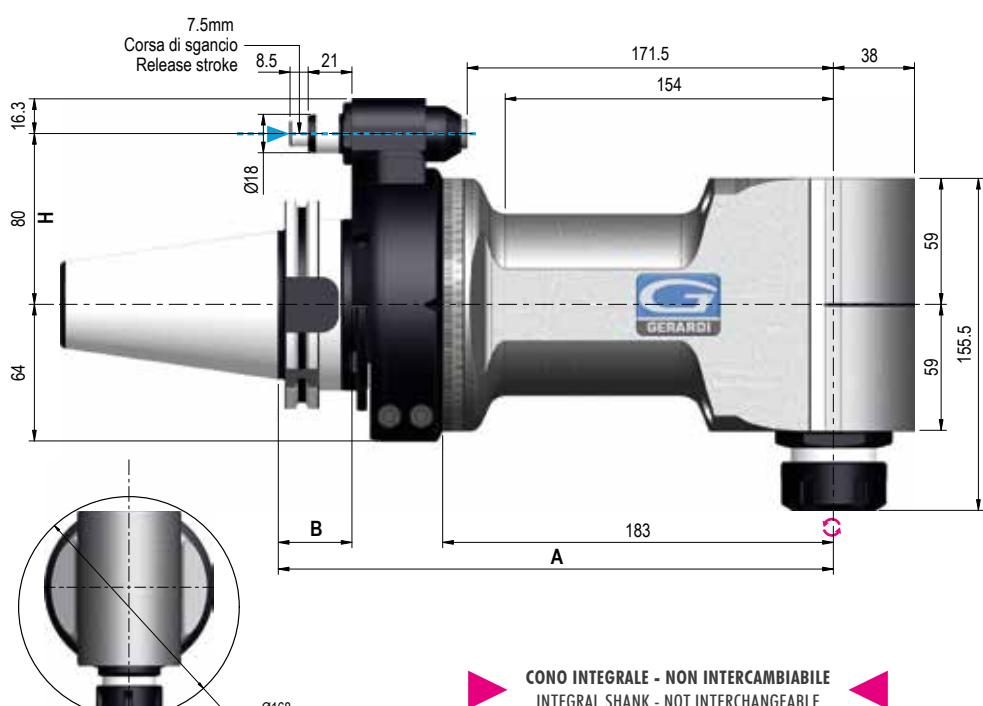


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	185	185	193	194	194	189	185
B	35	35	43	44	44	39	-
							35

IMBALLO & PESO - PACK WEIGHT:
Cassa in Legno - Wooden Box 27,5Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT
Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
Tubetto di grasso / Libro istruzioni
Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book
OPZIONI - OPTIONS
OUTPUT - HSK 40
OUTPUT - Shell mill holder Ø22/27/32
OUTPUT - Weldon Max Ø25
OUTPUT - ER 40
OUTPUT - C4
OUTPUT - ISO-CAT-BT 30
PINZA - COLLET - ER32 Ø2/20
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



F90-20L

TYPE 2



Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 19 Kg
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 Ø2/20

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080
Grandezza - Size	50	50	50	50	80	100	C8		80	100	80	80	50	
Dual contact (Optional)														
H Standard Ø18	80	80	80	80	80	80	80	80	80	80	80	80	80	
H 110 - Ø18														
H 110 - Ø28														
A	260	260	268	269	269	264	260	260	260	260	260	260	260	
B	35	35	43	44	44	39	-	-	-	-	-	-	35	

IMBALLO & PESO - PACK WEIGHT:
Cassa in Legno - Wooden Box 33Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
Tubetto di grasso / Libro istruzioni
Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

OUTPUT - HSK 40

OUTPUT - Shell mill holder Ø22/27/32

OUTPUT - Weldon Max Ø25

OUTPUT - ER 40

OUTPUT - C4

OUTPUT - ISO-CAT-BT 30

PINZA - COLLET - ER32 Ø2/20

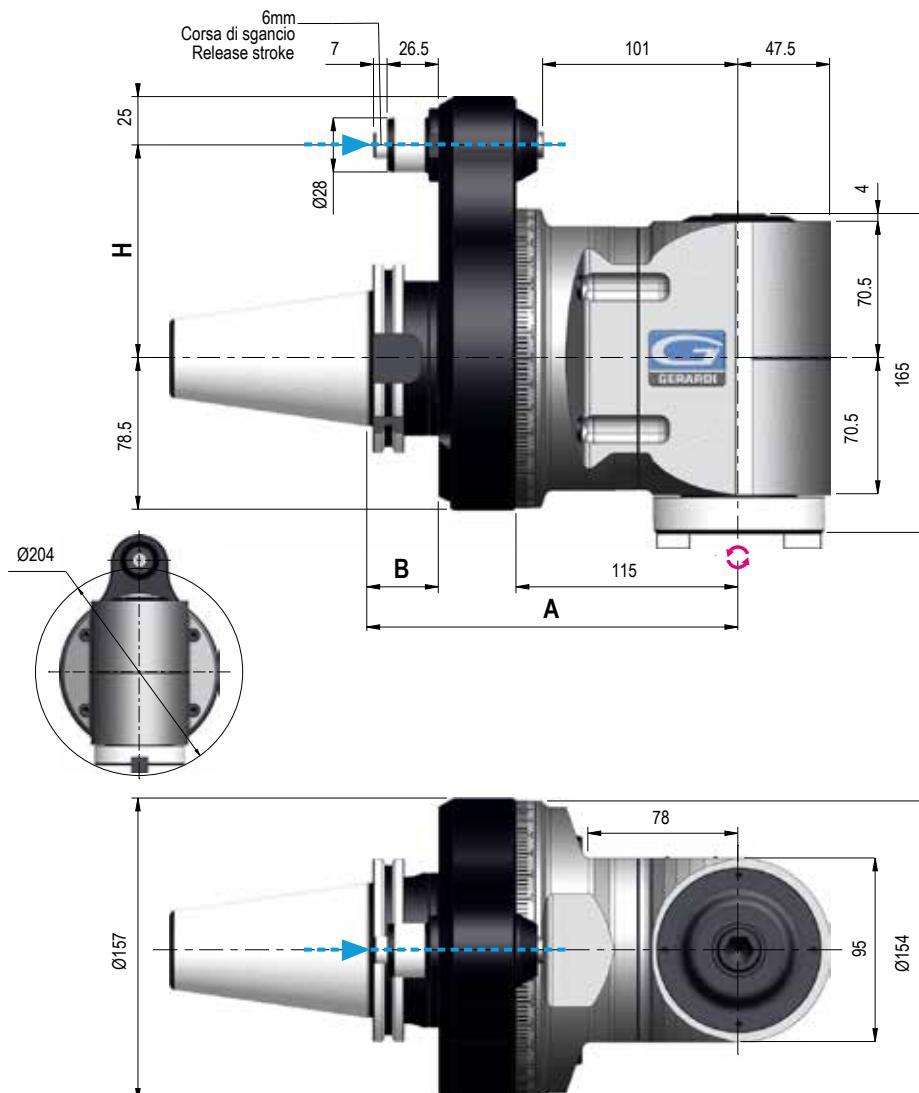
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-S40

TYPE 3


2
Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 22 Kg
	Rpm 2.500		Ø 26
	N 3.020		M 20
	Nm 165		ISO-CAT BT 40



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø28	110	110	110	110	110	110	110
A	192	192	200	201	201	196	192
B	37	37	45	44	44	39	-
							37

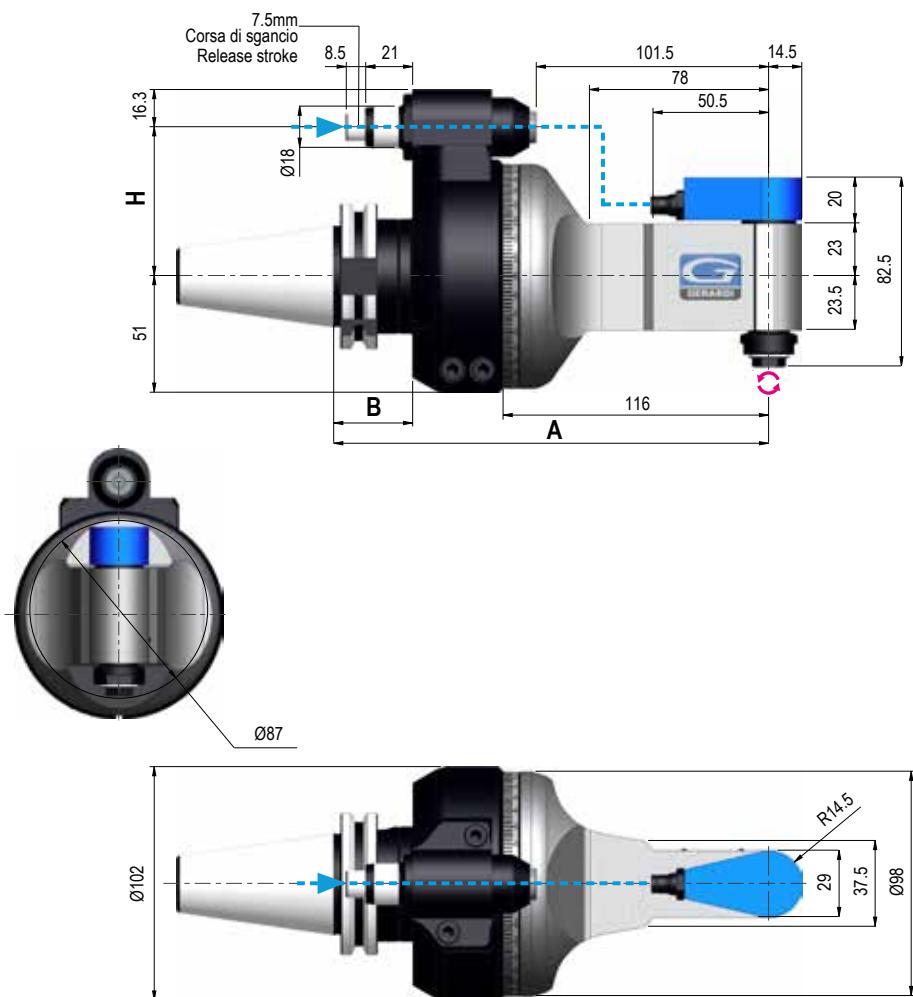
IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT
 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - HSK 63
OUTPUT - C5
OUTPUT - ER40 (Ø3-30)
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-7 10BAR

TYPE 1


Dati tecnici - Technical data
Ratio
1:1ISO / BT 40
Kg 5,6
ISO / BT 50
Kg 7,5Rpm
10.000

Ø 7



N 180



M 6



Nm 11

ER11WP
Ø1/7

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80	65 / 80 80 80	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80
H 110 - Ø18							
H 110 - Ø28							
A	190 190 190 190 190	198 198 199 199	199 199 194 194	194 194 190 190	190 190 190 190	190 190 190 190	190 190
B	35 35 35 35 35	43 44 44	39 39 39	- - -	- - -	35 35	35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER11 WP Ø1/7**OUTPUT - Weldon Max Ø10****PINZA - COLLET - ER11 Ø1/7****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**

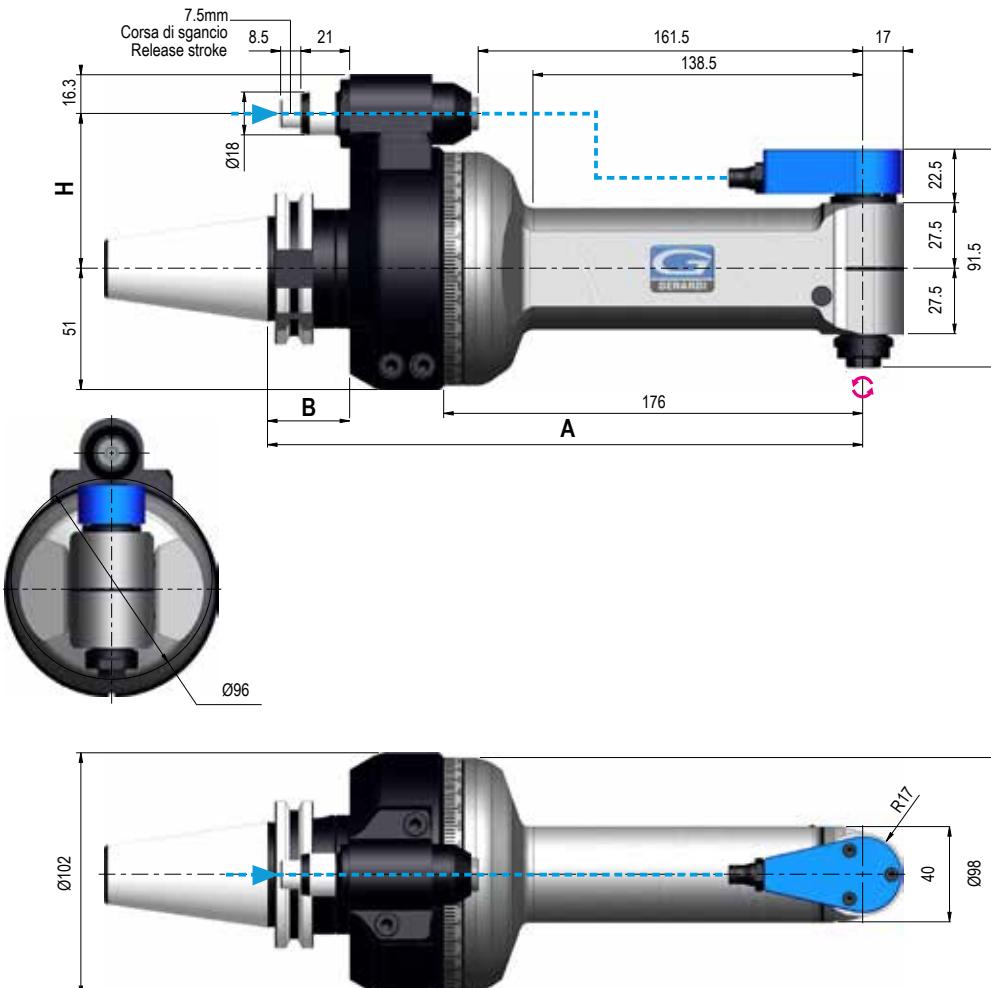
F90-7L 10BAR

TYPE 1

2

**Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT 40 Kg 6.6 ISO / BT 50 Kg 8.6
	Rpm 10.000		Ø 7
	N 180		M 6
	Nm 6		ER11 WP Ø1/7



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80	65 / 80 65 / 80 80 65 / 80 80				
A	250 250 250 250 250 250	250 250 250 250 250 250	250 250 250 250 250 250	259 259 259 259 259 259	254 254 254 254 254 254	250 250 250 250 250 250	250 250 250 250 250 250
B	35 35 35 35 35 35	35 35 35 35 35 35	43 44 44 44 44 43	44 44 44 44 44 43	39 39 39 39 39 39	- - - - - 35	35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

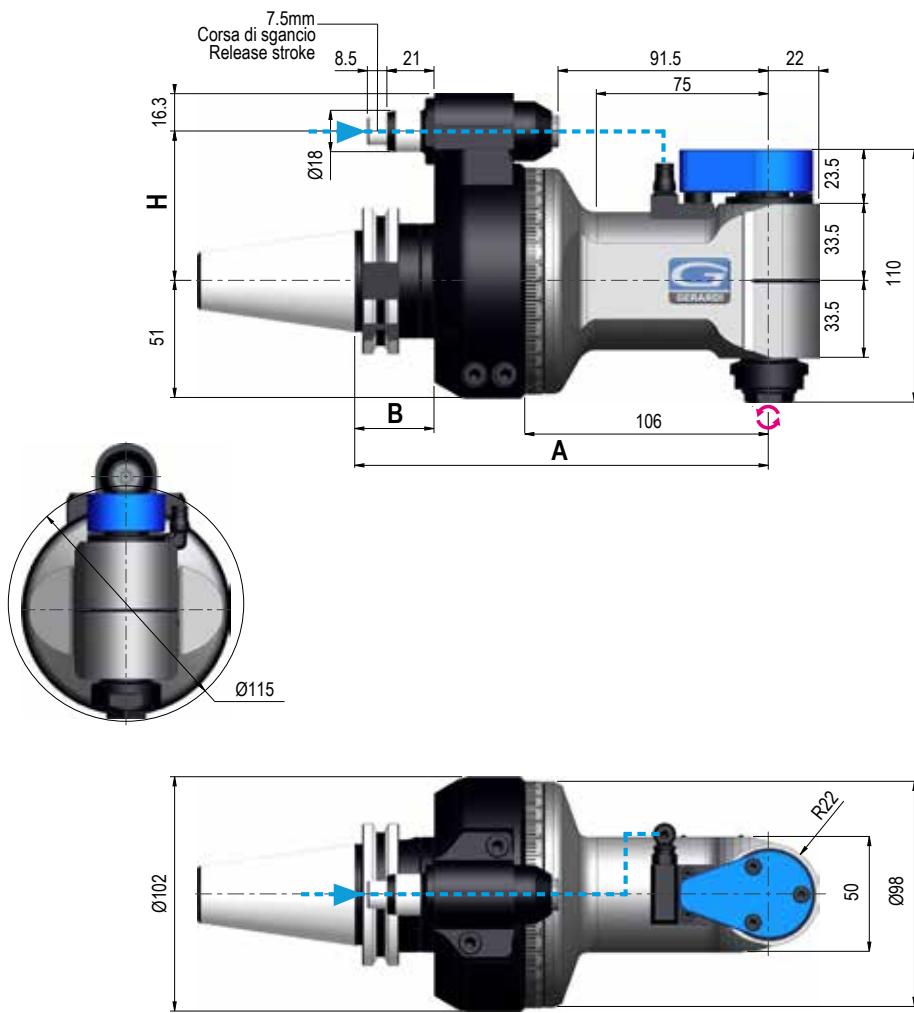
OPZIONI - OPTIONS

PINZA - COLLET - ER16 - Ø1/10

OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER11 WP Ø3/10

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin


F90-10 10BAR

TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 5,8 ISO / BT 50 Kg 8
	Rpm 10.000		Ø 10
	N 400		M 8
	Nm 11		ER16 WP Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80	65 / 80 80 80	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80
H 110 - Ø18 110 - Ø28							
A	180 180 180 180 180 188 189 189 189 184 184 184 180 180 180 150 153						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

PINZA - COLLET - ER16 - Ø1/10

OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER11 WP Ø3/10

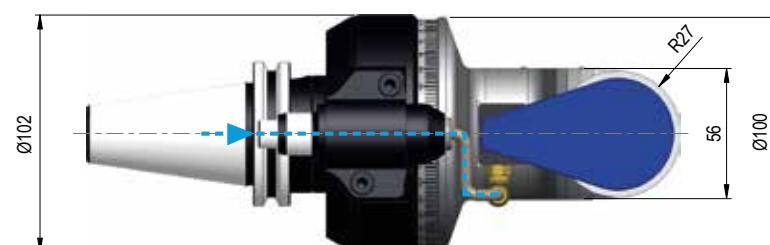
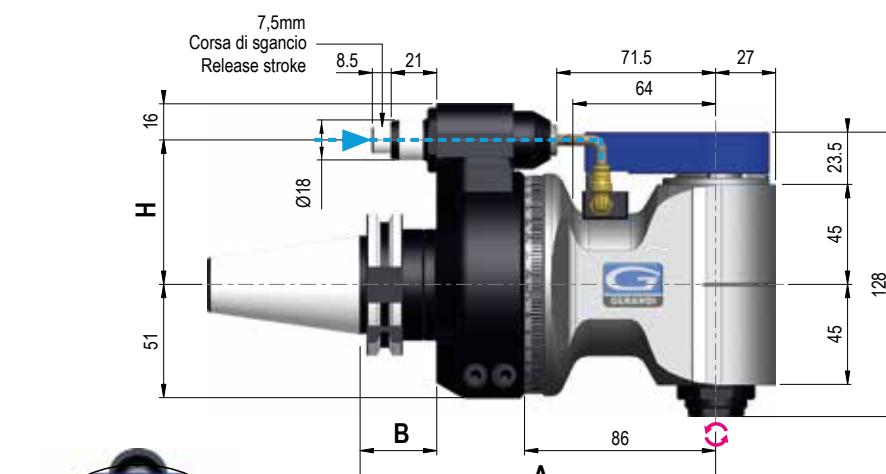
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-13 10BAR

TYPE 1

**2****Dati tecnici - Technical data**

	Ratio 1:1		ISO/BT40 6,3 Kg
	Rpm 8.000		Ø 13
	N 810		M 10
	Nm 27		ER20 Ø1/13



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							
H 110 - Ø28							
A	160	160	160	160	168	169	169
B	35	35	35	35	43	44	44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

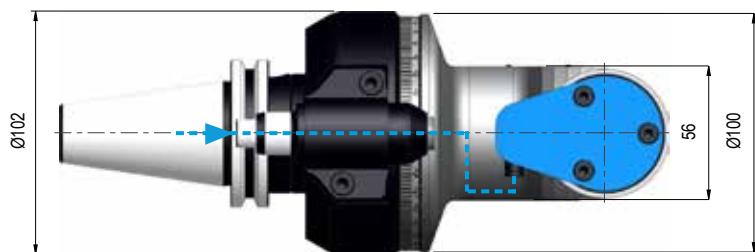
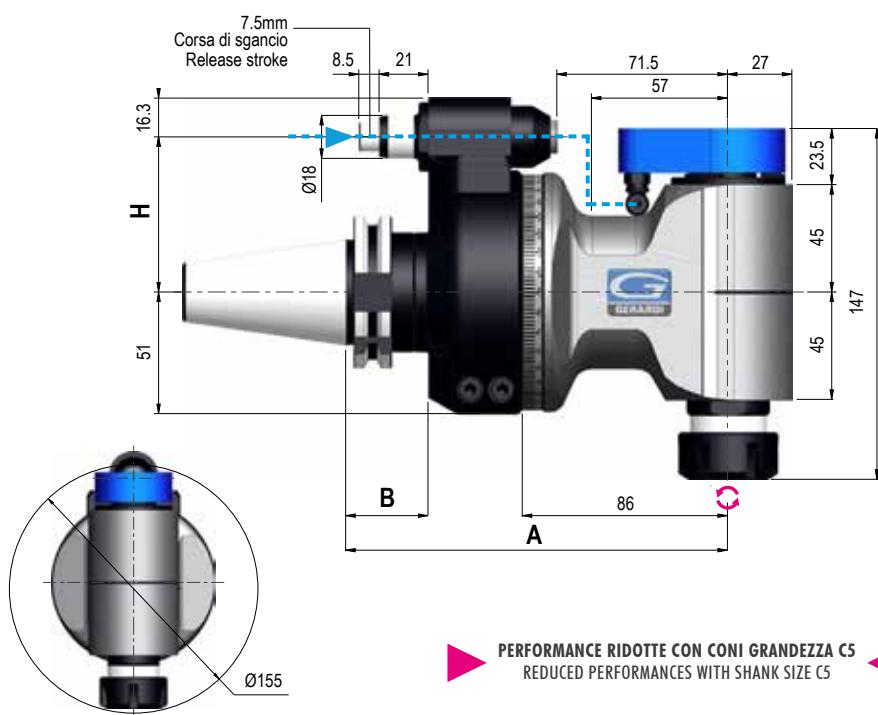
OPZIONI - OPTIONS

OUTPUT - Shell mill holder Ø16

OUTPUT - Weldon Max Ø16

DOUBLE OUTPUT - ER20 - ER20

PINZA - COLLET - ER20 Ø1/13**PINZA - COLLET - ER20 WP - Ø1/13****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**



F90-16S 10BAR

TYPE 1

2



Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6,5 ISO / BT 50 Kg 9
	Rpm 8.000		Ø 16
	N 810		M 12
	Nm 38		ER25 WP Ø1/16

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							
H 110 - Ø28							
A	160	160	160	160	160	160	160
B	35	35	35	35	35	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

OUTPUT - ER25 - Ø1/10

OUTPUT - Weldon Max Ø20

PINZA - COLLET - ER25 WP Ø3/16

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-16 10BAR

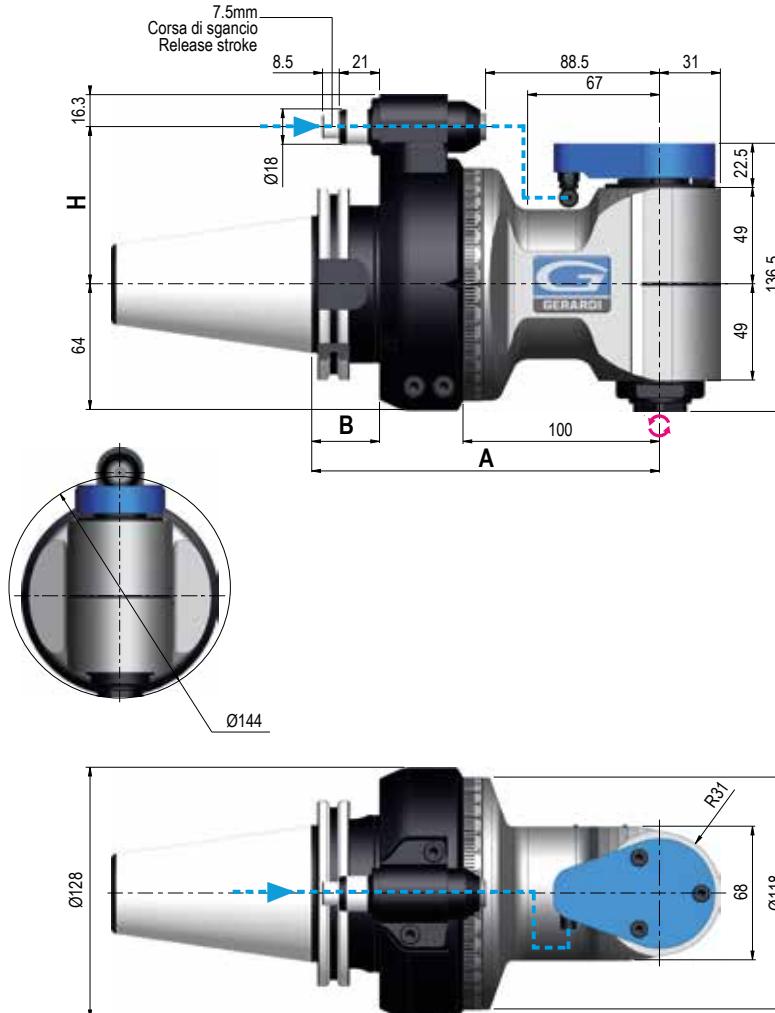
TYPE 2



2

Dati tecnici - Technical data

	Ratio 1:1		ISO/BT40 7,7 Kg ISO/BT50 11,7 Kg
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 WP Ø1/16



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	177	177	185	186	186	181	177
B	35	35	43	44	44	39	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 15Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

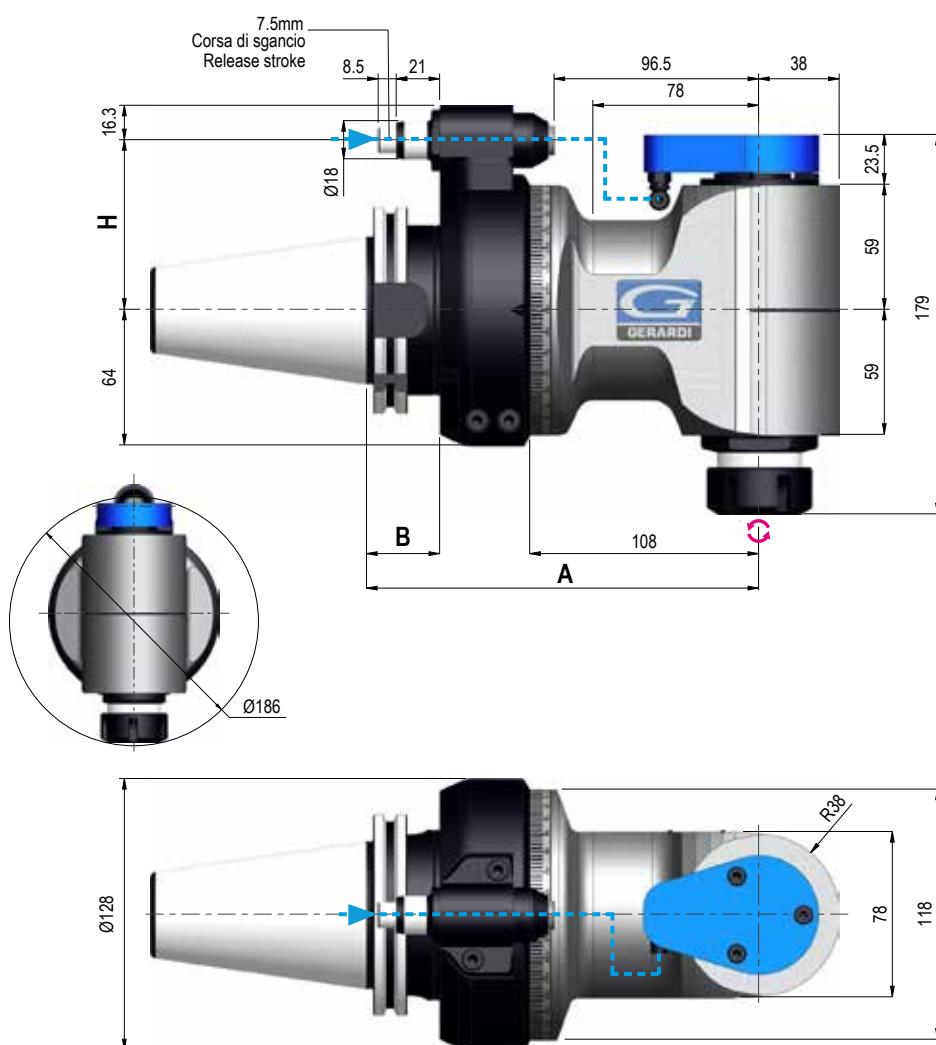
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

OUTPUT - HSK 32

OUTPUT - Weldon Max Ø20

PINZA - COLLET - ER20 Ø1/13**PINZA - COLLET - ER20 WP - Ø1/13****OUTPUT - Shell mil holder Ø16**


F90-20 10BAR

TYPE 2



2

Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 14,5 Kg
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 WP Ø2/20



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080
Grandezza - Size		50		50		50		80	100	C8	80	100		50
Dual contact (Optional)														
H Standard Ø18 110 - Ø18 110 - Ø28		80		80		80		80	80	80	80	80		80
A		185		185		193		194	194	189	185	185		185
B		35		35		43		44	44	39	-	-		35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 17Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

OUTPUT - Shell mill holder

OUTPUT - Weldon Max Ø25

OUTPUT - HSK 40

OUTPUT - ER40

PINZA - COLLET - ER32 Ø2/20

PINZA - COLLET - ER32 WP - Ø3/20

OUTPUT - C4

F90-S40 70BAR

TYPE 3


2
Dati tecnici - Technical data

Ratio 1:1

 ISO/BT50
22 Kg

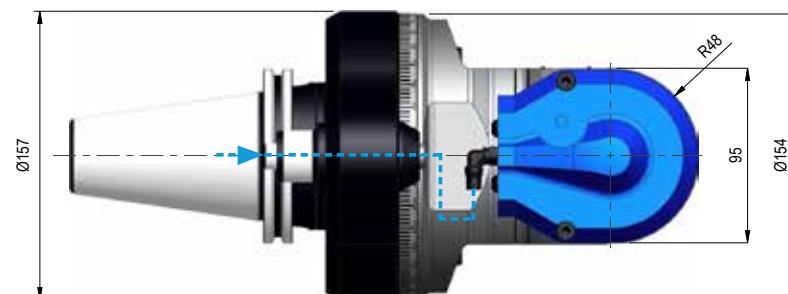
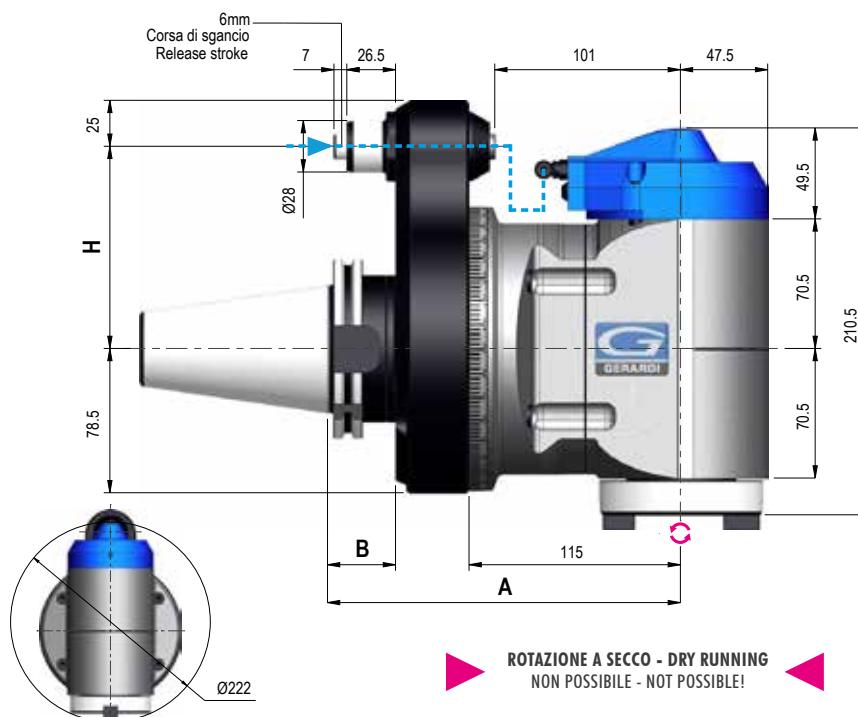
Rpm 2.500

Ø 26

N 3.020

 M 20
ISO40
CAT40
BT40

Nm 165



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø28	110	110	110	110	110	110	110
A	192	192	200	201	201	196	192
B	37	37	45	44	44	39	-
							37

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

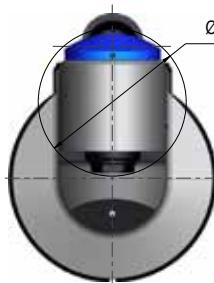
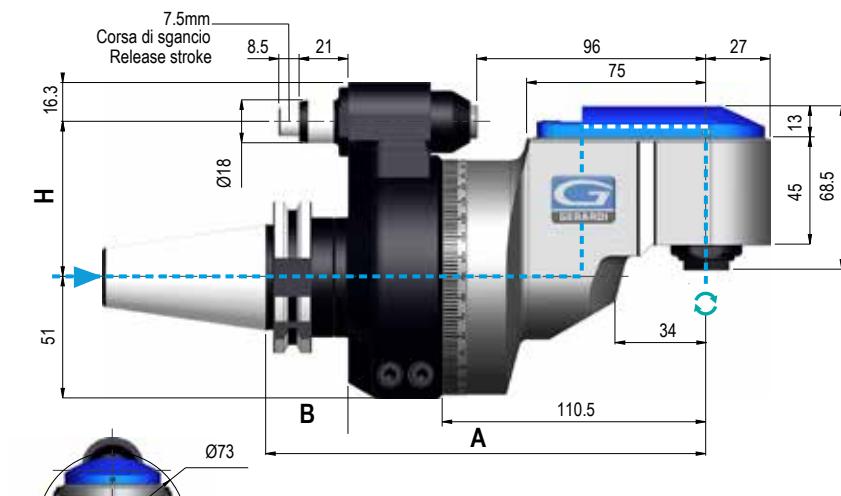
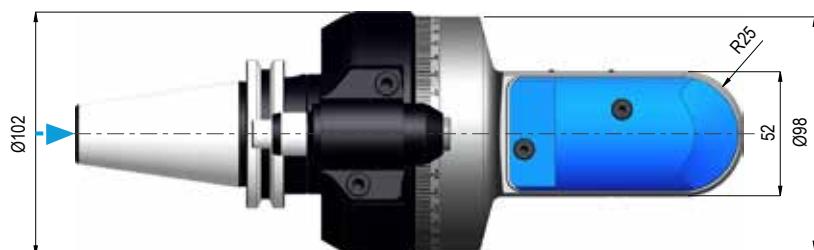
Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
OUTPUT - HSK 63
OUTPUT - C5

FR90-10 70BAR

TYPE 1


**ROTAZIONE A SECCO - DRY RUNNING
NON POSSIBILE - NOT POSSIBLE!**

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6,2 ISO / BT 50 Kg 8,7
	Rpm 6.000		Ø 10
	N 500		M 8
	Nm 25		ER16 WP Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080		
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	
Dual contact (Optional)																
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80	
H 110 - Ø18																
H 110 - Ø28																
A	184,5	184,5	184,5	184,5	184,5	192,5	193,5	193,5	193,5	188,5	188,5	188,5	184,5	184,5	184,5	
B	35	35	35	35	35	43	44	44	44	39	39	39	-	-	35	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

NO COOLANT - SENZA PASSAGGIO REFRIGERANTE

OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER16 Ø1/10
PINZA - COLLET - ER16 WP Ø3/10
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



FR90-13 70BAR

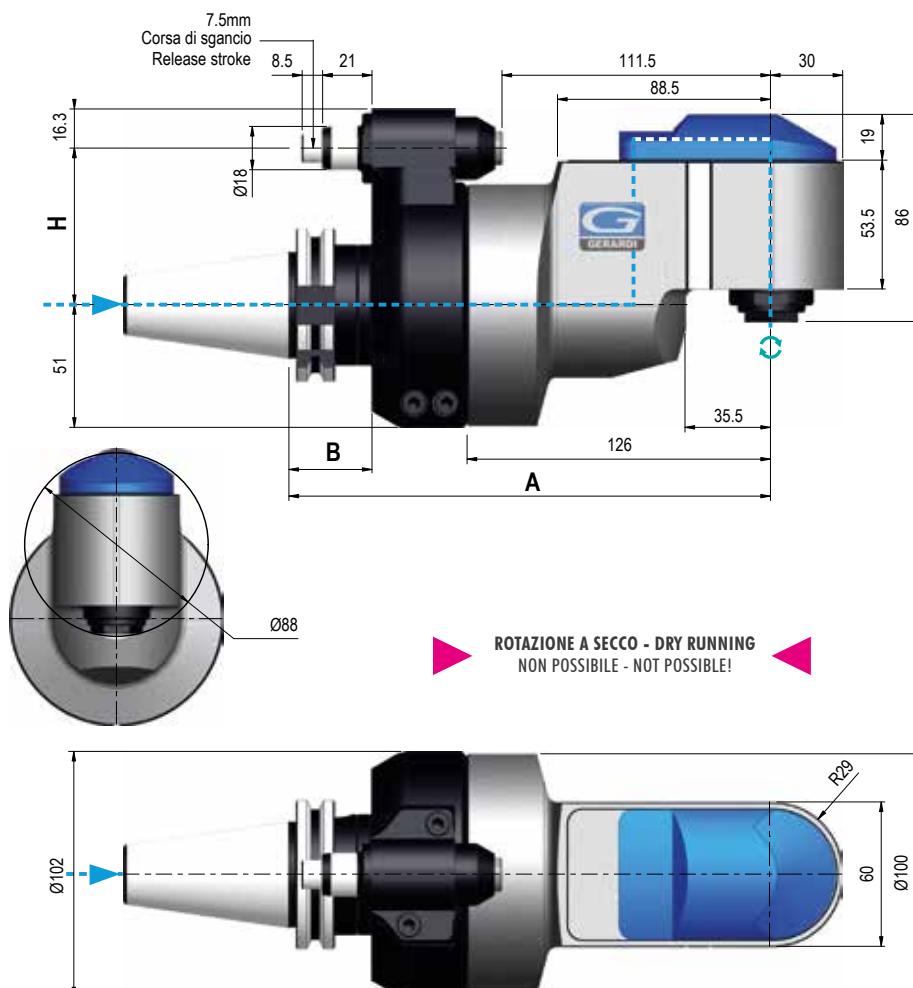
TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO/BT40 7,5 Kg ISO/BT50 10,5 Kg
	Rpm 4.500		Ø 13
	N 570		M 10
	Nm 45		ER20 WP Ø1/13



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	63 80 100
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	80
H 110 - Ø18 110 - Ø28							
A	200	200	200	200	208	209	209
B	35	35	35	35	35	43	44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 16Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

NO COOLANT - SENZA PASSAGGIO REFRIGERANTE

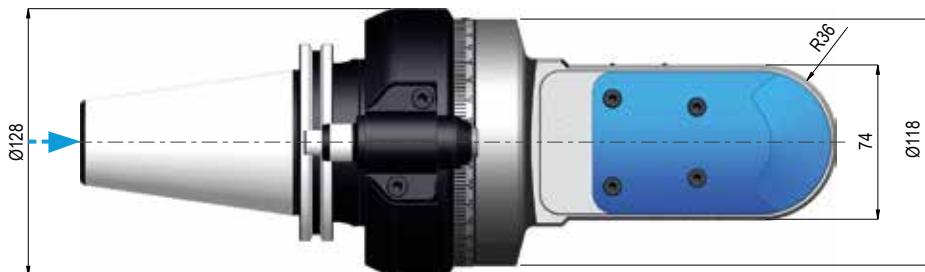
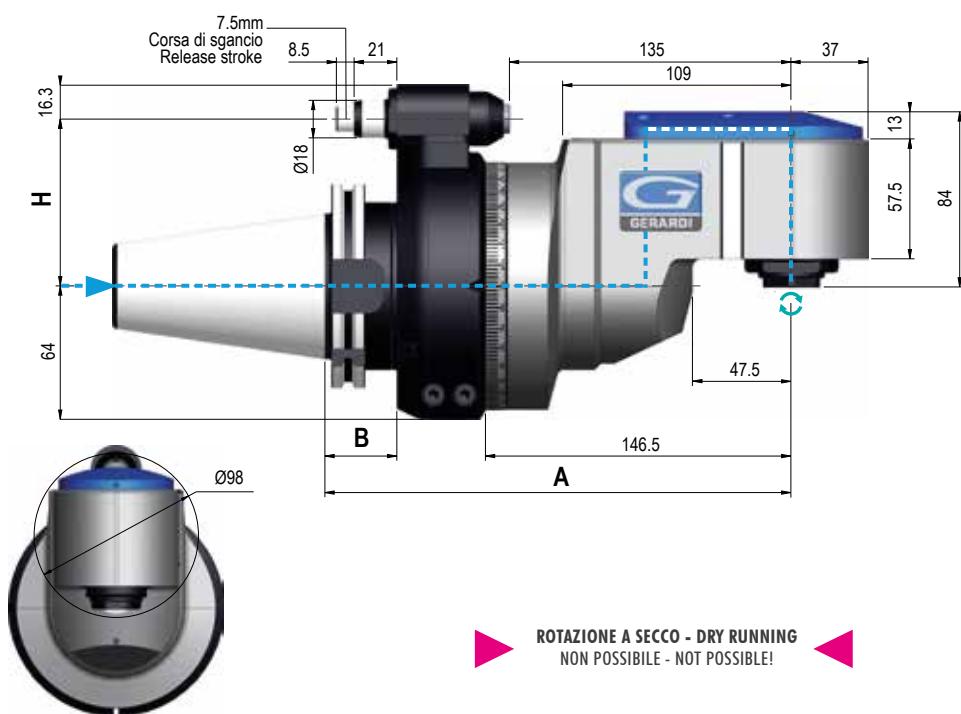
PINZA - COLLET - ER20 WP Ø3/13

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

FR90-16 70BAR

TYPE 2

2


Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 11,7 Kg
	Rpm 4.000		Ø 16
	N 810		M 12
	Nm 90		ER25 WP Ø1/16



Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18							
H 110 - Ø28							
A	223,5	223,5	231,5	232,5	232,5	227,5	223,5
B	35	35	43	44	44	39	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 17Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

NO COOLANT - SENZA PASSAGGIO REFRIGERANTE

OUTPUT - Weldon Max Ø16

OUTPUT - HSK 32

PINZA - COLLET - ER25 WP Ø3/16
PINZA - COLLET - ER25 Ø1/16
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

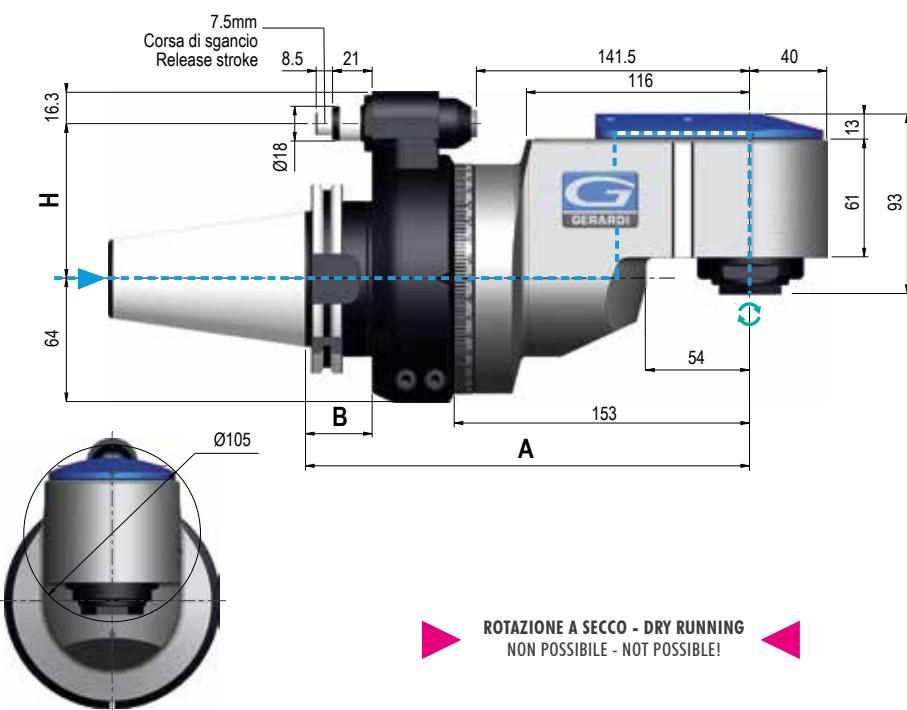


FR90-20 70BAR

TYPE 2



2



Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 14,5 Kg
	Rpm 3.500		Ø 20
	N 1.150		M 14
	Nm 95		Ø 2/20

Senso di rotazione Uguale al mandrino - Direction of rotation Same as the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	230	230	238	239	239	234	230
B	35	35	43	44	44	39	-
						-	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 19Kg



DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

NO COOLANT - SENZA PASSAGGIO REFRIGERANTE

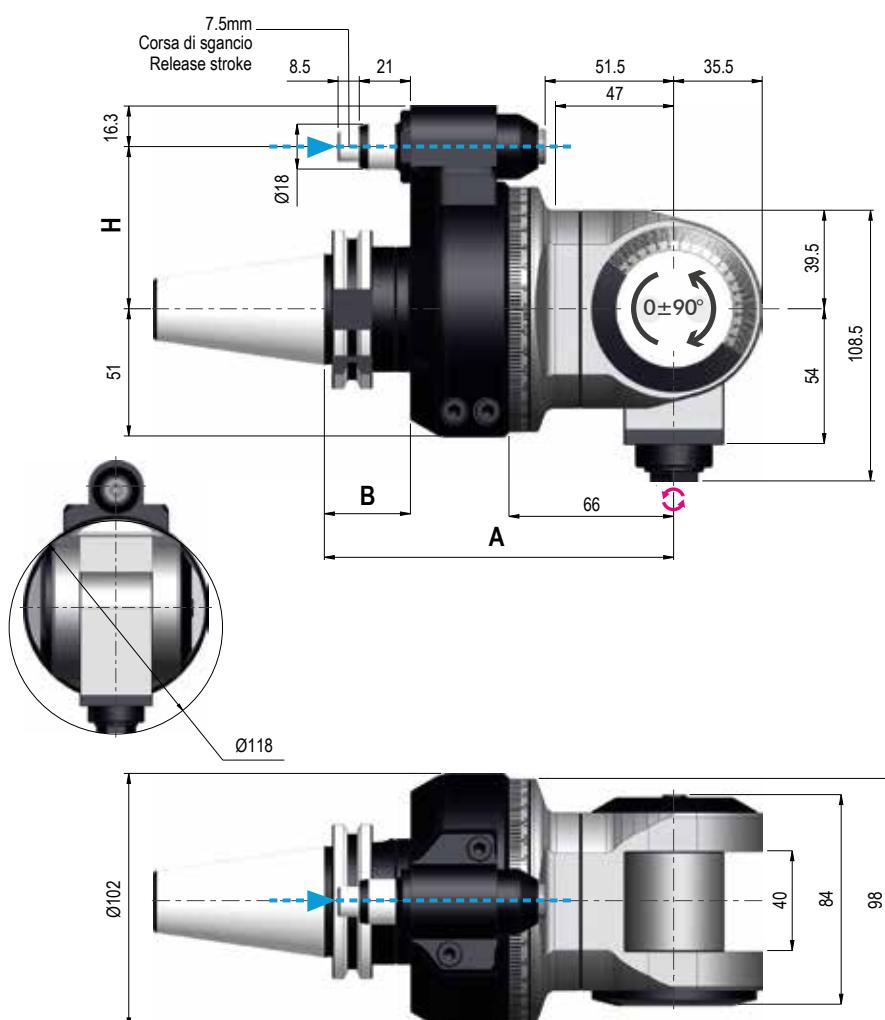
OUTPUT - Weldon Max Ø20

OUTPUT - HSK 50

PINZA - COLLET - ER32 Ø1/20

PINZA - COLLET - ER32 WP Ø3/20

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



FMU-10

TYPE 1

2



Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6,3 ISO / BT 50 Kg 8,8
	Rpm 8.000		Ø 10
	N 550		M 8
	Nm 12		ER16 Ø1/10



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080	
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100
Dual contact (Optional)															
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80	80	80	65 / 80	65 / 80	80	65 / 80	80	80
H 110 - Ø18															
H 110 - Ø28															
A	140	140	140	140	140	148	149	149	149	144	144	144	140	140	140
B	35	35	35	35	35	43	44	44	44	39	39	39	-	-	35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank 70bar - Dry running NO

OUTPUT - Weldon Max Ø10

PINZA - COLLET - ER 16 Ø1/10

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

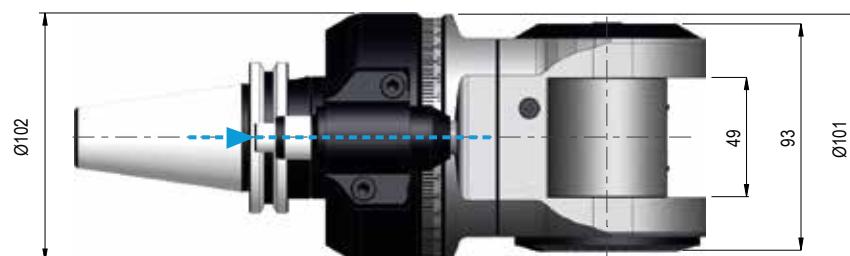
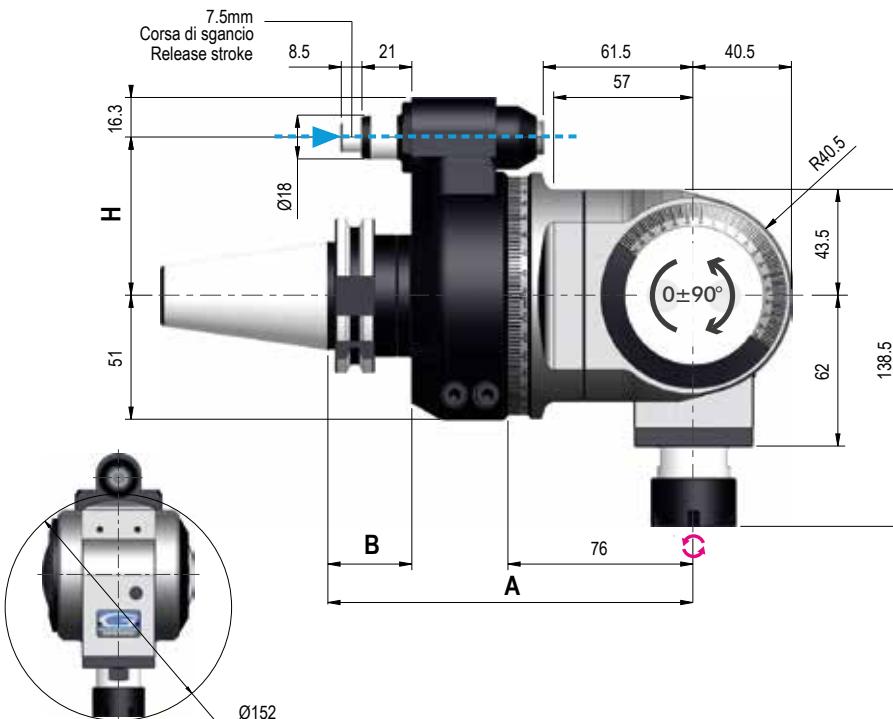
FMU-16

TYPE 1

2

**Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT 40 Kg 8,2 ISO / BT 50 Kg 10,5
	Rpm 6.000		Ø 16
	N 630		M 12
	Nm 15		ER25 Mini Ø 1/16



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	40	50	40	50	40	50	40
Dual contact (Optional)							
H Standard Ø18	65 / 80	80	65 / 80	80	65 / 80	80	65 / 80
H 110 - Ø18							
H 110 - Ø28							
A	150	150	150	150	158	159	159
B	35	35	35	35	43	44	44

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 14Kg

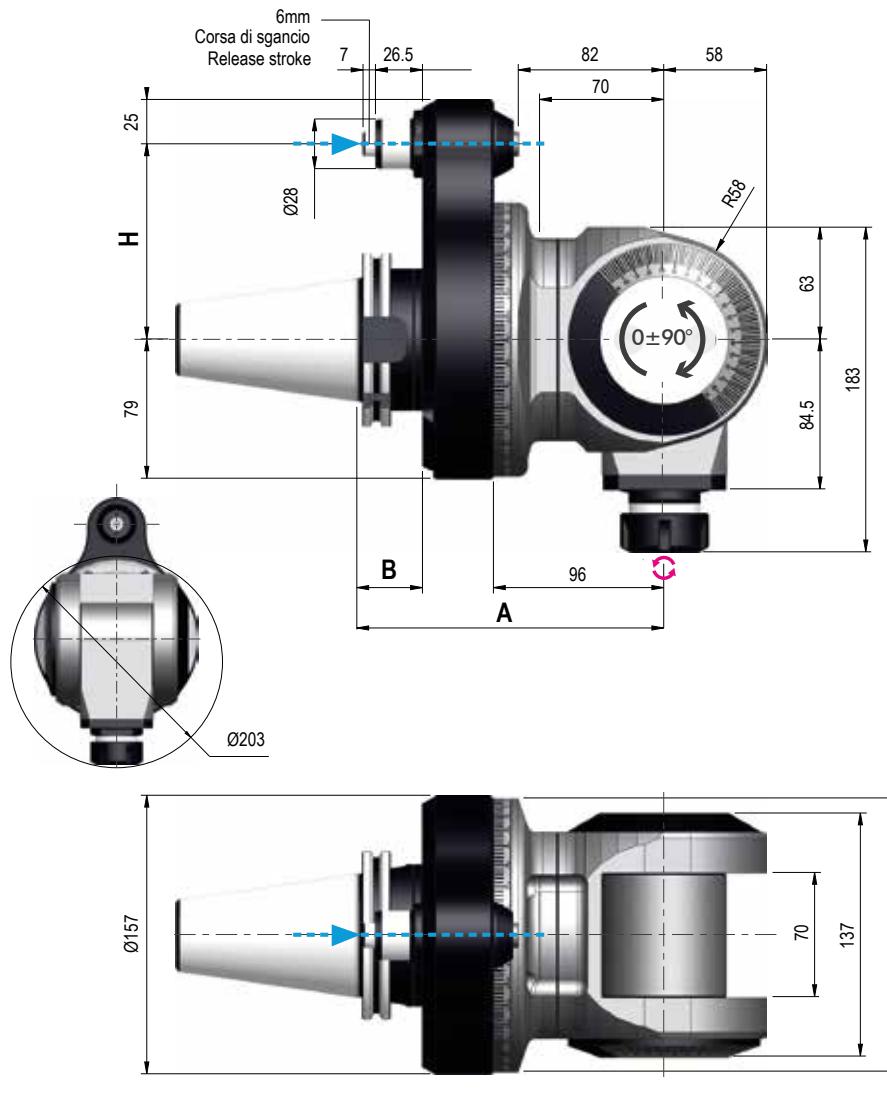
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**REFRIG - COOLANT** - dal Cono - Through Shank 70bar - **Dry running NO****OUTPUT** - Weldon Max Ø16**PINZA - COLLET** - ER 16 Ø1/10**INTERASSE SPECIALE - SPECIAL PITCH** - Cono > Perno - Shank > Pin


FMU-20

TYPE 3

2


Dati tecnici - Technical data

	Ratio 1:1		ISO/BT50 22 Kg
	Rpm 4.000		Ø 20
	N 1.740		M 16
	Nm 60		ER32 Mini Ø2/20



Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø28	110	110	110	110	110	110	110
A	173	173	181	182	182	177	173
B	37	37	45	44	44	39	-
							37

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

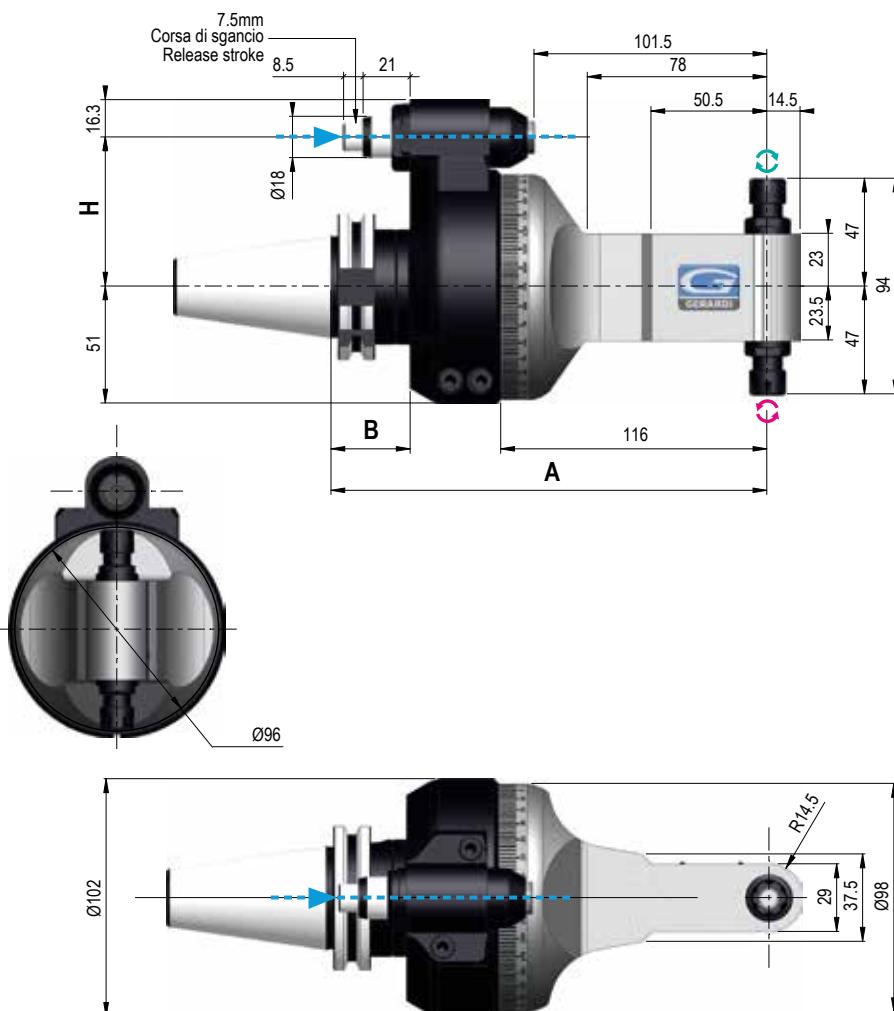
OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank 70bar - Dry running NO

OUTPUT - Weldon Max Ø25
OUTPUT - ER40
OUTPUT - HSK 50
PINZA - COLLET - ER32 Ø2/20

PINZA - COLLET - ER40 Ø3/30

F90-7 2U

TYPE 1

**2****Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT 40 Kg 5 ISO / BT 50 Kg 7
	Rpm 10.000		Ø 7
	N 180		M 6
	Nm 11		ER11 Mini Ø1/7

Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H	Standard Ø18 110 - Ø18 110 - Ø28	65 / 80 65 / 80 80 65 / 80 80 65 80 65 80 80 65 80 80 65 80 80 65 80 80					
A	190 190 190 190 190 190 198 199 199 199 194 194 194 190 190 190 190 190						
B	35 35 35 35 35 35 43 44 44 44 39 39 39 39 - - - 35 35						

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8,5Kg

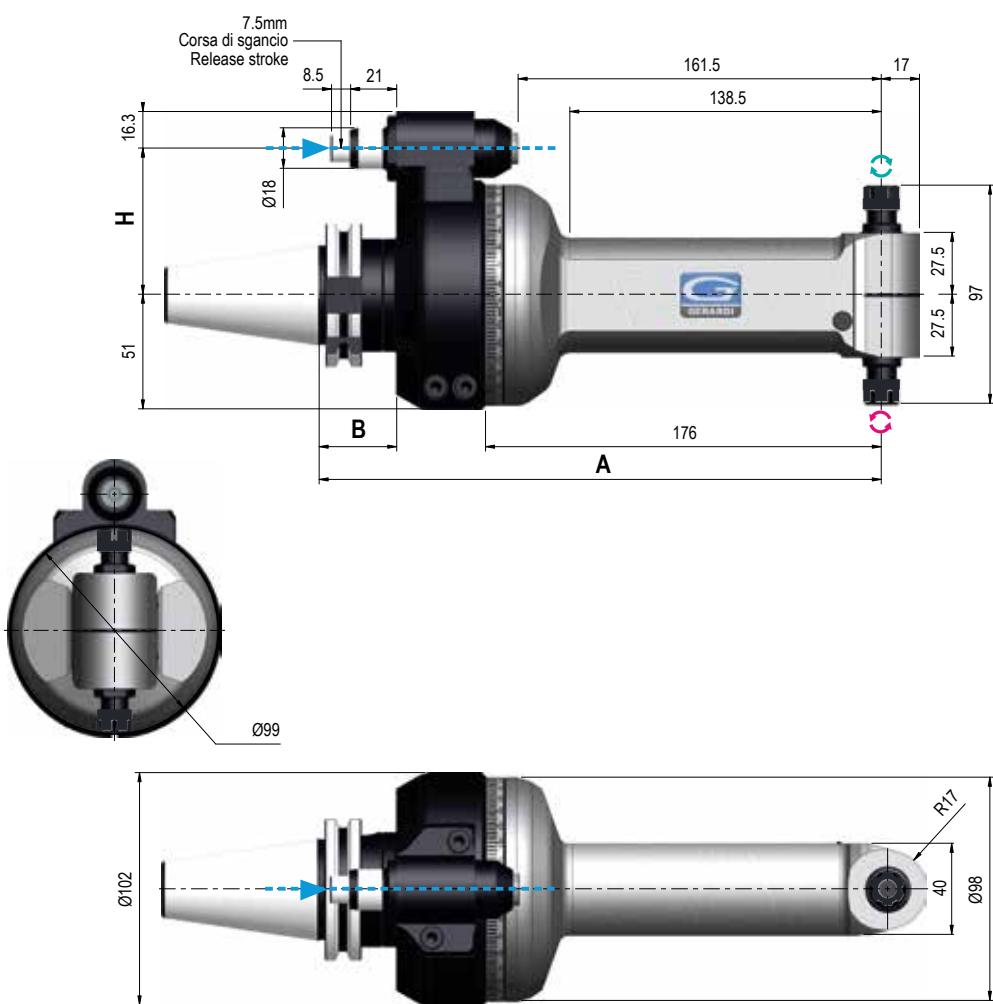
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER11 Ø1/7****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**



F90-7L 2U

TYPE 1



2

Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 6,3 ISO / BT 50 Kg 8,3
	Rpm 10.000		Ø 7
	N 180		M 6
	Nm 11		ER11 Mini Ø1/7



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80 65 / 80 80	65 / 80 80	65 / 80 80	65 65 80	65 / 80 65 / 80 80	65 80 80	65 80
H 110 - Ø18 110 - Ø28							
A	250 250 250 250 250	250 258	259 259 259	254 254 254	250 250 250	250 250 250	250 250
B	35 35 35 35 35	43	44 44 44	39 39 39	- - -	- - -	35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 9,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

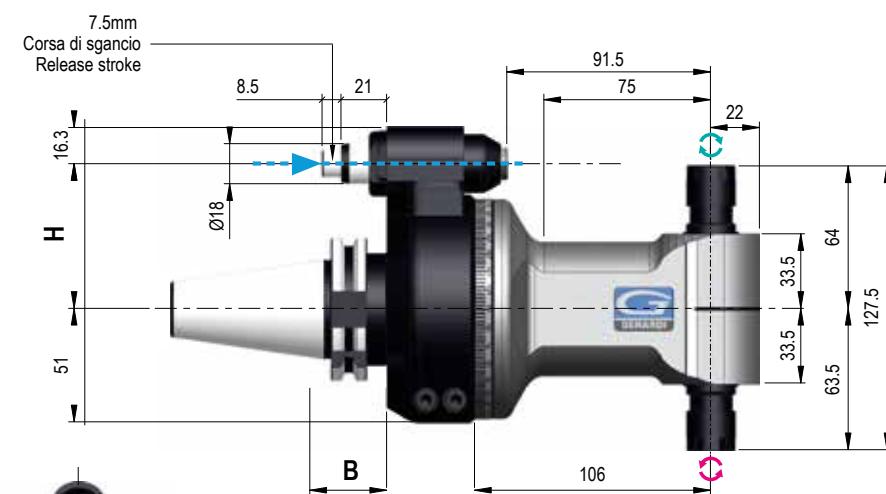
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER11 Ø1/7

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-10 2U

TYPE 1

**2****Dati tecnici - Technical data**

Ratio 1:1

 ISO / BT 40
Kg 6.1
ISO / BT 50
Kg 7.5

Rpm 10.000

Ø 10

N 400

M 8

Nm 14

 ER16 Mini
Ø1/10

Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80	65 / 80	80	65 80 80	65 80 80	65 80 80	65 80
H 110 - Ø18 110 - Ø28							
A	180 180 180	180 180	180 180	188 189 189	184 184 184	180 180 180	180 180
B	35 35 35	35 35	35 35	43 44 44	- - -	- - -	35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 8,5Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

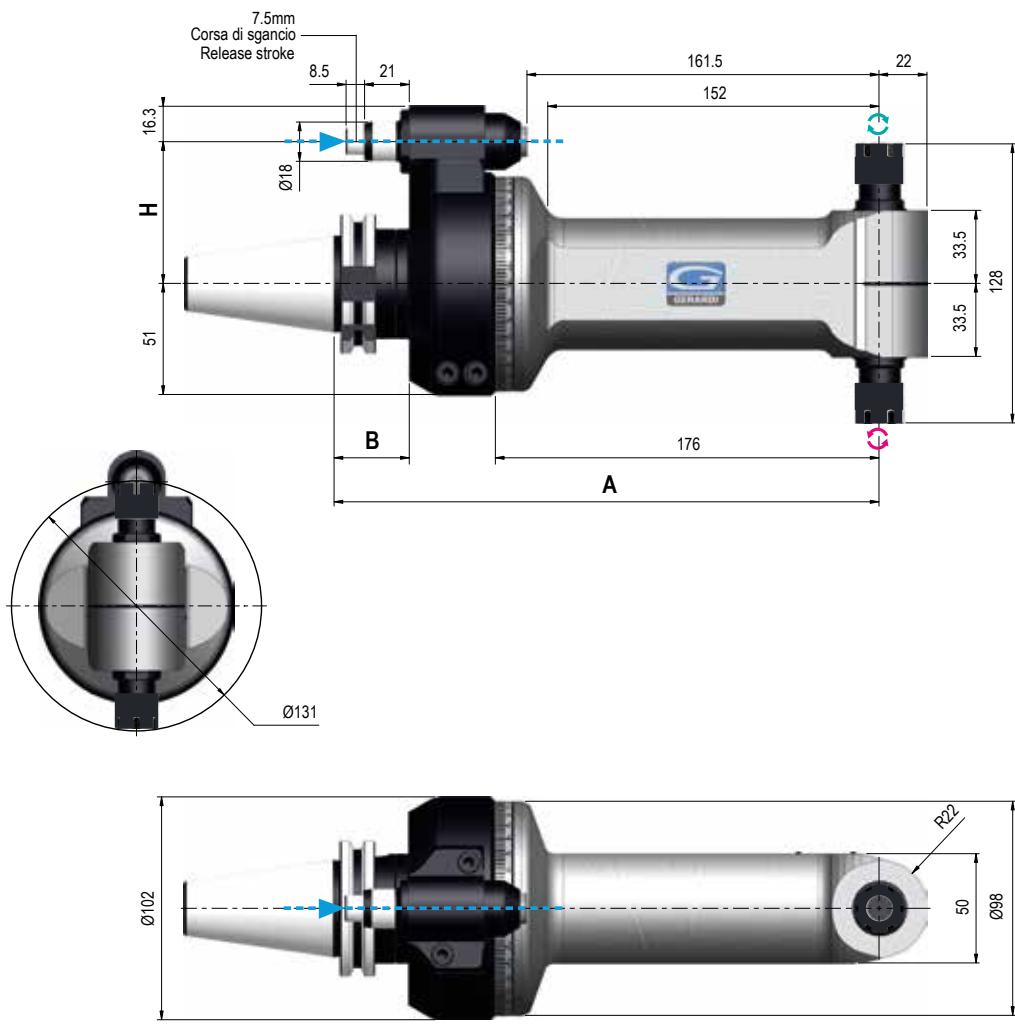
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER16 Ø1/10**

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-10L 2U

TYPE 1


Dati tecnici - Technical data
Ratio
1:1ISO / BT 40
Kg 6,9
ISO / BT 50
Kg 8,3Rpm
10.000

Ø 10



N 400



M 8



Nm 14

ER16 Mini
Ø1/10

Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50
Dual contact (Optional)							
H Standard Ø18	65 / 80 65 / 80 80	65 / 80	80	65 80 80	65 80 80	65 80 80	65 80 80
H 110 - Ø18							
H 110 - Ø28							
A	250 250 250 250 250	250 250 250 258	259 259 259	254 254 254	250 250 250	250 250 250	250 250
B	35 35 35 35 35	35 43	44 44 44	- - -	34,5 34,5 34,5	35 35	35 35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 10Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER16 Ø1/10

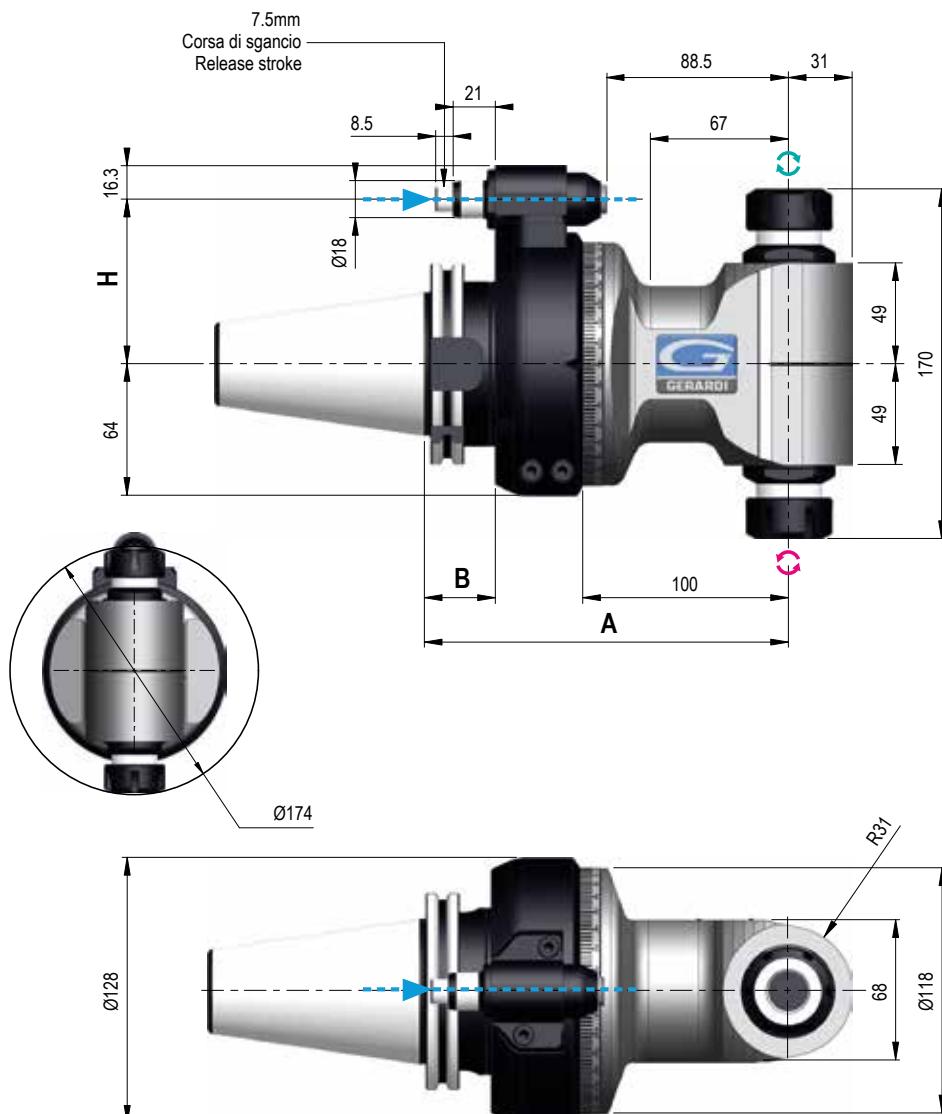
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-16 2U

TYPE 2

**Dati tecnici - Technical data**

	Ratio 1:1		ISO / BT 40 Kg 7,7 ISO / BT 50 Kg 12,2
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 Ø1/16



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	177	177	185	186	186	181	177
B	35	35	43	44	44	-	-
							35

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 14Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

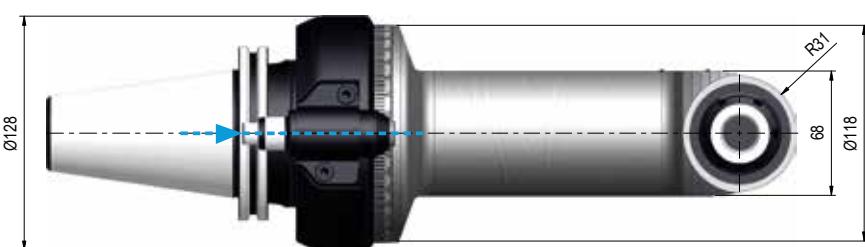
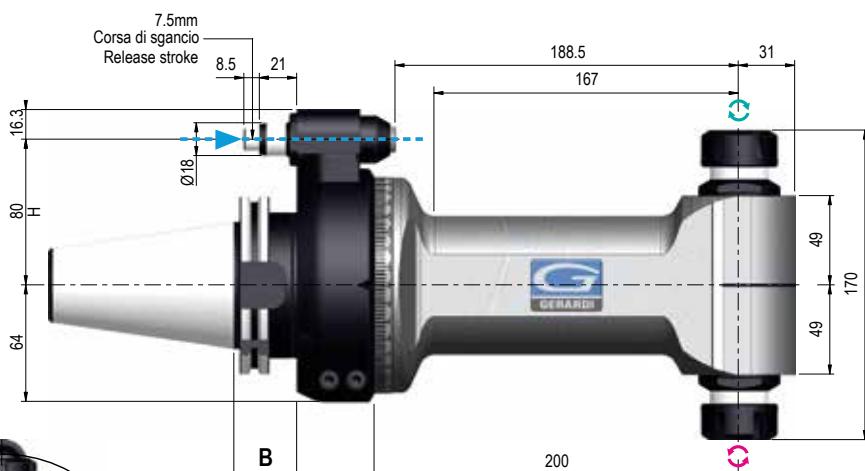
Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER25 Ø1/16****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**

F90-16L 2U

TYPE 2

2


Dati tecnici - Technical data

	Ratio 1:1		ISO / BT 40 Kg 8,7 ISO / BT 50 Kg 13,2
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 Ø1/16



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18							
H 110 - Ø28							
A	277	277	285	286	286	281	277
B	35	35	43	44	44	-	-
							35

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 25Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni
 Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

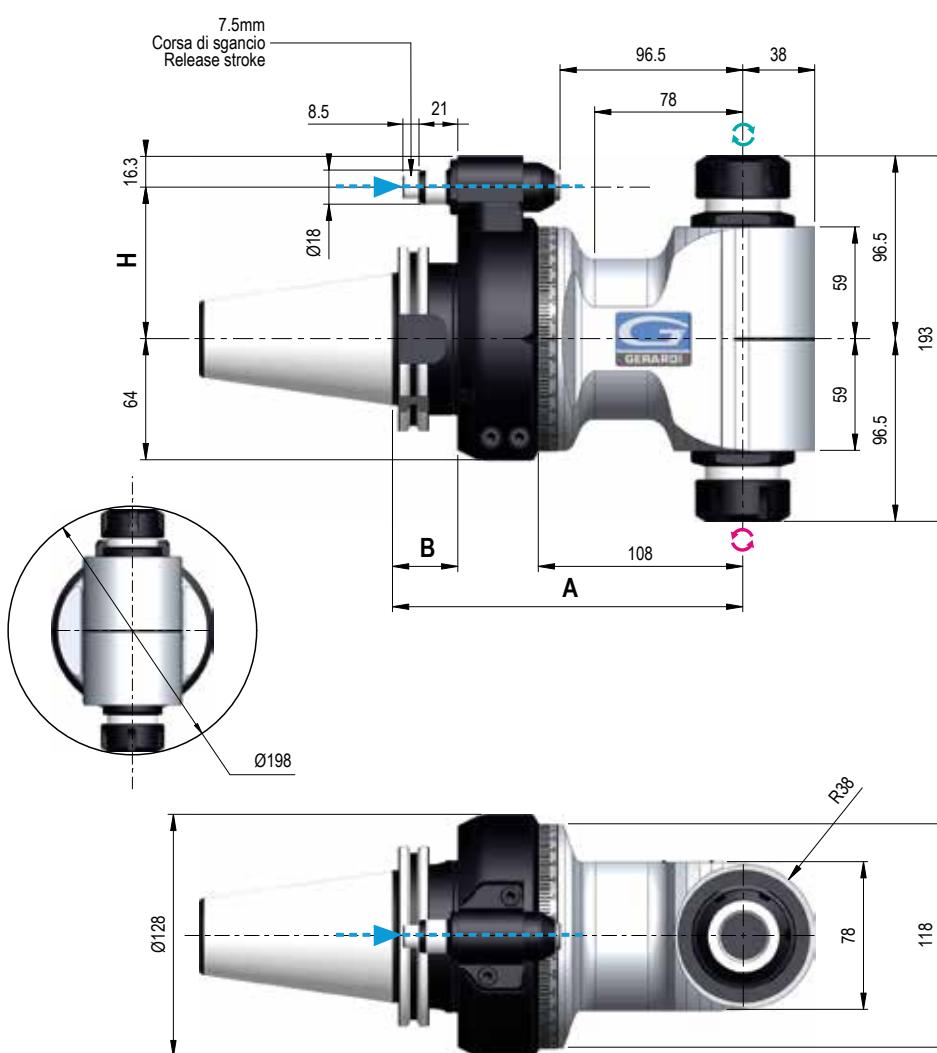
OPZIONI - OPTIONS
PINZA - COLLET - ER25 Ø1/16
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

F90-20 2U

TYPE 1

2**Dati tecnici - Technical data**

	Ratio 1:1		Kg 15
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 Ø2/20



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø18	80	80	80	80	80	80	80
H 110 - Ø18 110 - Ø28							
A	185	185	193	194	194	189	185
B	35	35	43	44	44	39	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 16,5Kg

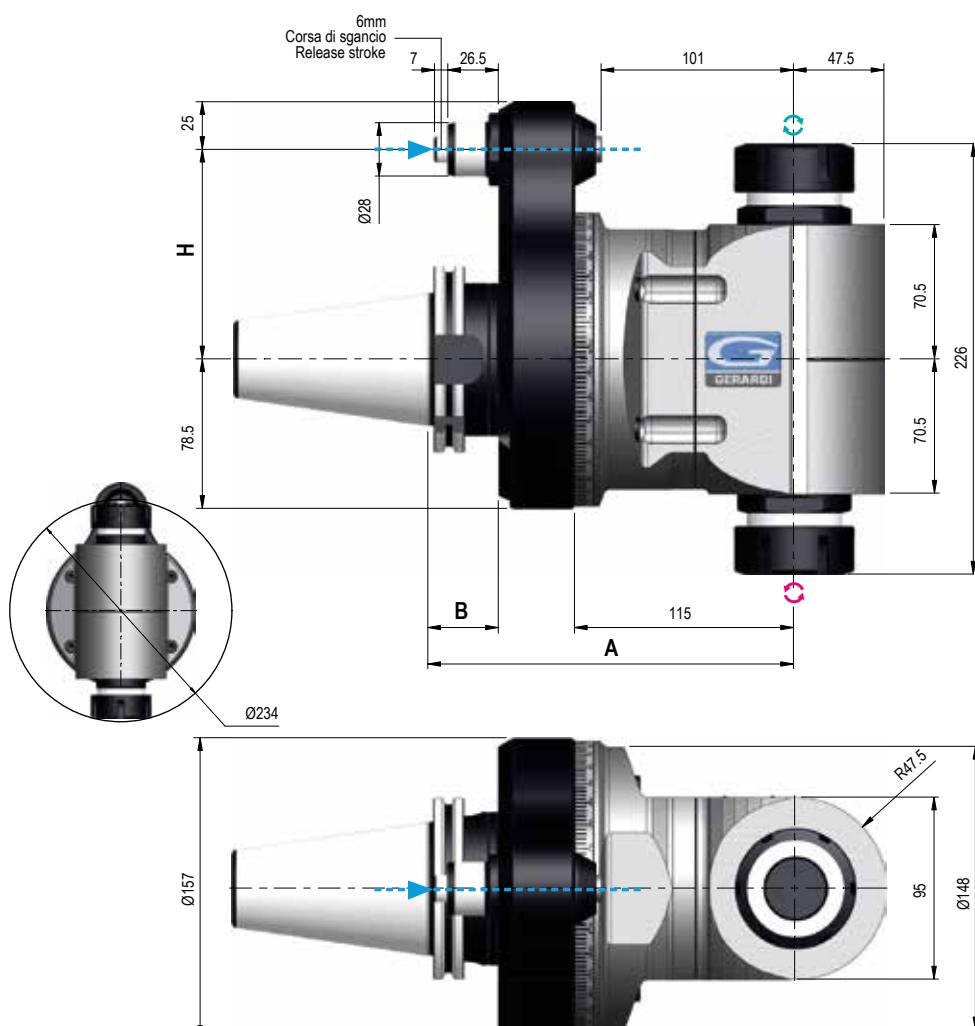
**DOTAZIONE STANDARD - STANDARD EQUIPMENT**

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS**PINZA - COLLET - ER32 Ø2/20****INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin**



F90-30 2U

TYPE 3

2



Dati tecnici - Technical data

	Ratio 1:1		Kg 22,5
	Rpm 2.500		Ø 26
	N 3.020		M 20
	Nm 165		ER40 Ø3/30



Senso di rotazione Uguale e Contrario al mandrino - Direction of rotation Same & Opposite to the machine spindle

Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	50	50	50	80	100	C8	80
Dual contact (Optional)							
H Standard Ø28	110	110	110	110	110	110	110
A	192	192	200	201	201	196	192
B	37	37	45	44	44	39	-
							37

IMBALLO & PESO - PACK WEIGHT:
 Cassa in Legno - Wooden Box 36Kg

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
PINZA - COLLET - ER40 Ø3/30
INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

Esempi applicativi / Applications examples

Evolution Line

Teste angolari modulari serie MTC (Cambio utensile manuale)

Modular angle heads MTC series (Manual tool change)

2



STD 90°[°]_{SERIES}

La serie ideale per fresature, forature e maschiature a 90°
The ideal series for milling, drilling and tappint at 90°



STD 90°[°]_{SERIES}

La serie di teste angolari lunghe per lavorazioni più in profondità
Long angle head series for machining at deep positions



XL^L_{SERIES}

La serie di teste angolari XL per centri di lavoro di grosse dimensioni
ideali per grosse asportazioni.
XL angle head series for large machine tools ideal for heavy duty cutting.

MTC SERIES

MANUAL TOOL CHANGE



INGRANAGGI - GEARS

Ingranaggi Gleason con evolvente rettificato massime performances e minori vibrazioni

Gleason ground spiral bevel gears maximum performances and minimum vibration



CUSCINETTI - BEARINGS

Cuscinetti a sfera a contatto obliquo in classe di precisione ABEC 9

Angular contact preloaded ball bearings of precision class ABEC 9

DESIGN

Il Design compatto, insieme alle specifiche descritte, consente: alte performances, elevate velocità, lunga durata degli utensili.

The Compact design, along with mentioned specifications, allows: highest performances, high speeds, long tools life

2



PROLUNGHE - EXTENSIONS

Sulla serie di teste MTC è possibile variare la lunghezza del corpo aggiungendo il modulo di prolunga (pag. 2.81)

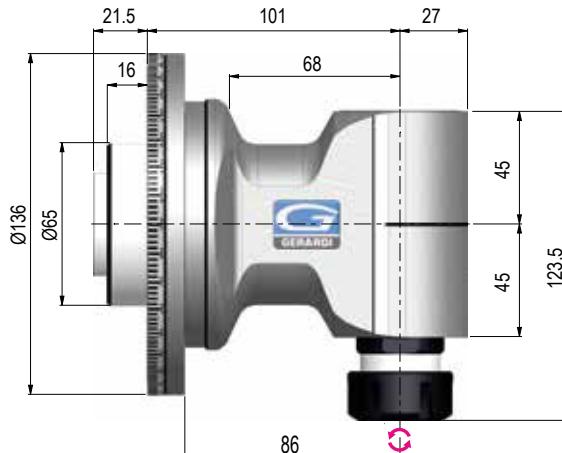
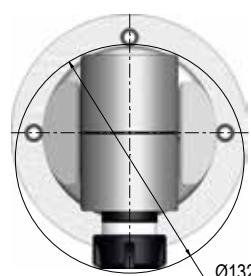
On MTC series is possible to extend the lenght of the body by adding an extension (pag. 2.81)



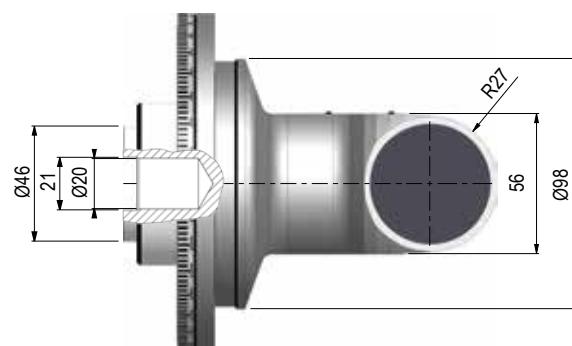
Massimo 2 elementi di prolunga ammessi - Max. 2 extensions admitted.

F90-16S

TYPE 1

2
Dati tecnici - Technical data

	Ratio 1:1		6 Kg
	Rpm 8.000		Ø 16
	N 810		M 12
	Nm 38		ER25 Ø 1/16

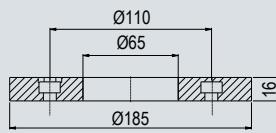


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

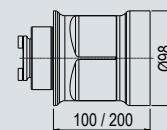
Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	30 40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 1 (pag - page 2.81)


PROLUNGA - EXTENSION

TIPO - TYPE 1


IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 16,5Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT
Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

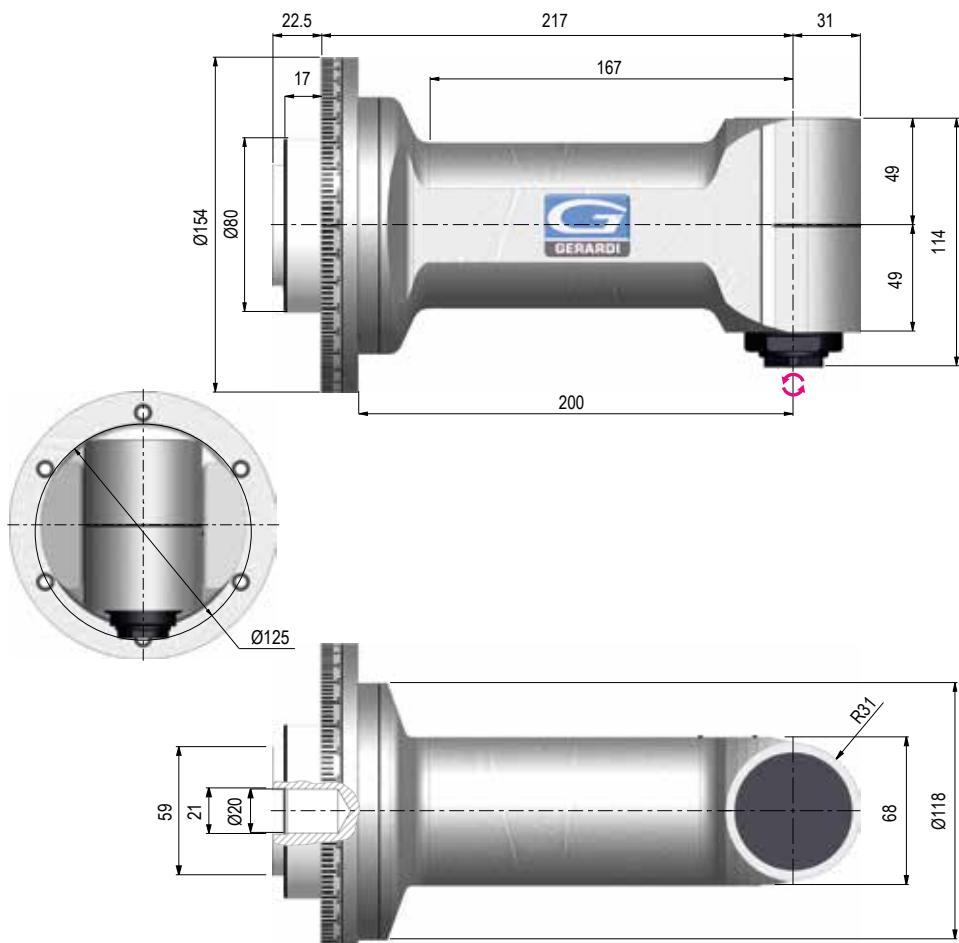
REFRIG - COOLANT - Refrigerazione Interna

OUTPUT - Weldon Max Ø16

OUTPUT - Shell mil holder Ø16

DOUBLE OUTPUT - ER25 - ER25

PINZA - COLLET - ER25 Ø1/16


F90-16L

TYPE 2


Dati tecnici - Technical data

	Ratio 1:1		7,5 Kg
	Rpm 5.000		Ø 16
	N 1.040		M 12
	Nm 55		ER25 Ø1/16

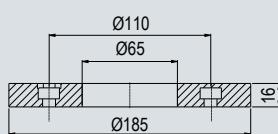


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

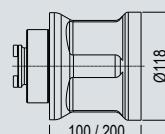
Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080	
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63 80 100	30 40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 2.81)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 18Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - Refrigerazione Interna

OUTPUT - Weldon Max Ø20

OUTPUT - Shell mil holder Ø16-22

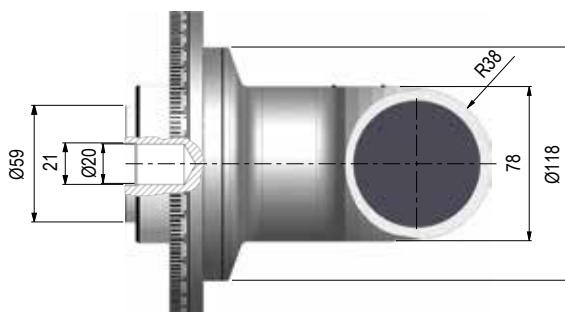
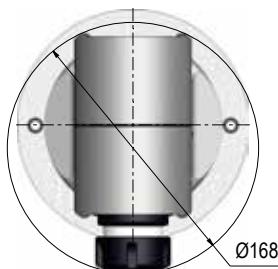
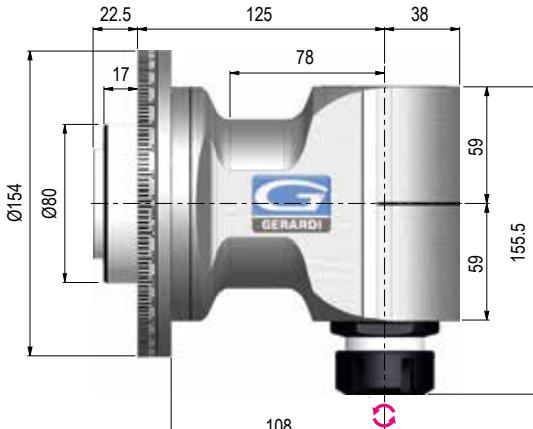
OUTPUT - HSK 32
DOUBLE OUTPUT - ER25 - ER25

PINZA - COLLET - ER25 Ø1/16

F90-20

TYPE 2

2

**Dati tecnici - Technical data**

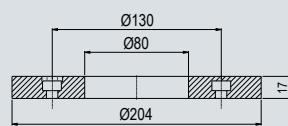
	Ratio 1:1		7,5 Kg
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 Ø 2/20

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

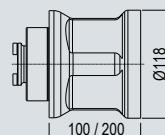
Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080
Grandezza - Size	30 40 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	30 40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 2.81)

**PROLUNGA - EXTENSION**

TIPO - TYPE 2

**IMBALLO & PESO - PACK WEIGHT:**

Valigetta - Bag 18Kg

**DOTAZIONE STANDARD - STANDARD EQUIPMENT**Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFRIG - COOLANT - Refrigerazione Interna - 10 bar

OUTPUT - Shell mill holder Ø22/27/32

OUTPUT - Weldon Max Ø25

OUTPUT - ER 40

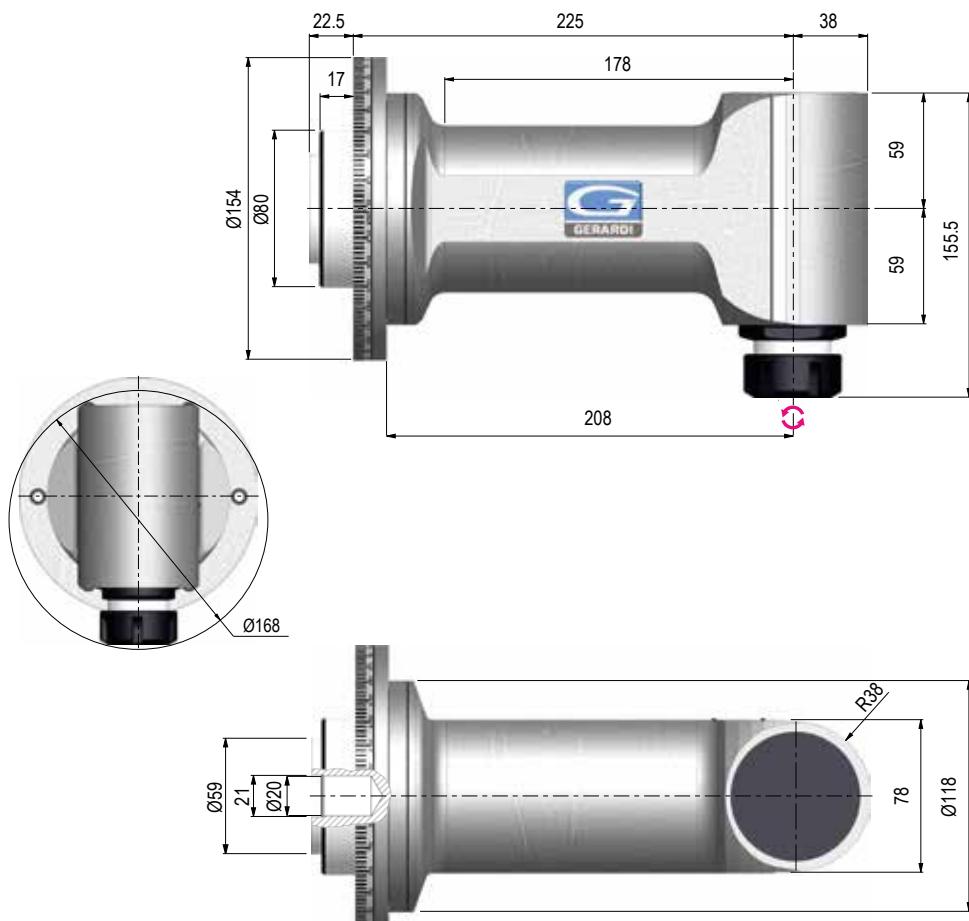
OUTPUT - C4

OUTPUT - ISO-CAT-BT 30

OUTPUT - HSK 40

DOUBLE OUTPUT - ER32 - ER32

PINZA - COLLET - ER32 Ø2/20


F90-20L

TYPE 2



2

Dati tecnici - Technical data

	Ratio 1:1		10,5 Kg
	Rpm 3.500		Ø 20
	N 1.460		M 14
	Nm 90		ER32 Ø2/20

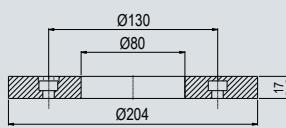


Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

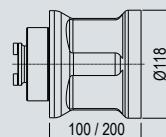
Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080	
Grandezza - Size	30	40	50	40	50	40	50	63	80	100	C5	C6	C8	63 80 100	30 40 50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 2 (pag - page 2.81)


PROLUNGA - EXTENSION

TIPO - TYPE 2


IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 21Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFRIG - COOLANT - Refrigerazione Interna - 10 bar

OUTPUT - Shell mill holder Ø22/27/32

OUTPUT - Weldon Max Ø25

OUTPUT - ER 40

OUTPUT - C4

OUTPUT - ISO-CAT-BT 30

OUTPUT - HSK 40

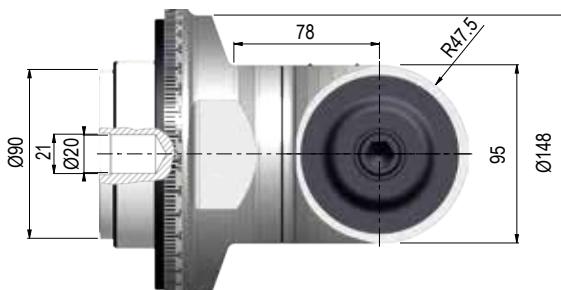
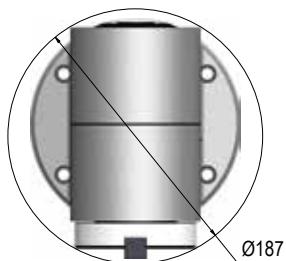
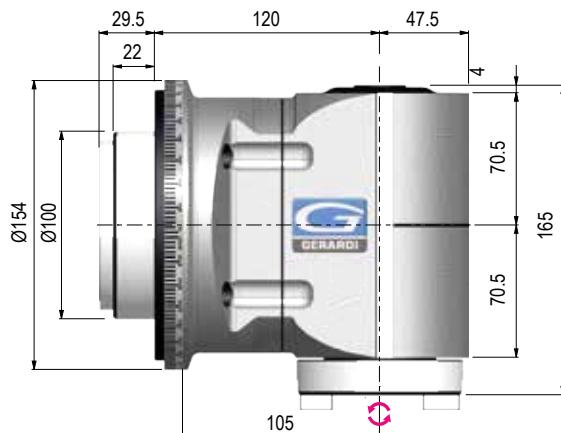
DOUBLE OUTPUT - ER32 - ER32

PINZA - COLLET - ER32 Ø2/20

F90-S40

TYPE 3

2


Dati tecnici - Technical data

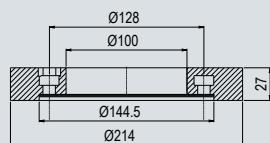
	Ratio 1:1		21 Kg
	Rpm 2.500		Ø 26
	N 3.020		M 20
	Nm 165		ISO40 CAT40 BT40

Senso di rotazione Contrario al mandrino - Direction of rotation Opposite to the machine spindle

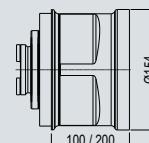
Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.Iso 26623		KM		ISO DIN 2080			
Grandezza - Size	40	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100	40	50

FLANGIA UNIVERSALE - UNIVERSAL FLANGE

TIPO - TYPE 3 (pag - page 2.81)


PROLUNGA - EXTENSION

TIPO - TYPE 3


IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 46Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

 Valigetta / Flangia Universale / Ghiera ER / Cono std / Chiavi di servizio
 Tubetto di grasso / Libro istruzioni

Special bag / Universal flange / ER nut / Shank / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFRIG - COOLANT - Refrigerazione Interna - 10 bar

OUTPUT - HSK 63

OUTPUT - C5

DOUBLE OUTPUT - ER40 - ER40

OUTPUT - ER40 (F90-30)

PINZA - COLLET - ER40 (F90-30)

Teste Angolari / Angle Heads

ACCESSORIES

Accessori Evolution Line - Evolution Line Accessories

Ampia gamma di accessori e parti di ricambio per tutta la gamma di teste angolari Evolution. Le ghiere e le pinze sono costruite in acciaio temprato e rettificato con macchine utensili ad alta precisione.

Wide range of accessories and spare parts for all types of angle heads Evolution line. Nuts and collet are produced with top quality steel and they are hardened and grinded with high precision.



FIND OUT MORE



from 2.70 to 2.71

Ghiere ReCool

Re Cool nuts

Con queste ghiere speciali è possibile ottenere il passaggio refrigerante fino a 150BAR tramite utensile anche su teste che non prevedono questa opzione

With these special nuts it is possible to get coolant through the tool (Up to 150BAR) even on angle heads which do not have this option.



from 7.12 to 7.15

Cambi Rapidi

Quick changes

Il cambio rapido dell'utensile permette di ridurre i tempi morti della macchina. Tempi di installazione ridotti e possibilità di presetting a bordo macchina.

The quick change of preset tools shortens downtime of machine. Reduced set-up times and offline tool presetting possibility.



from 7.4 to 7.6

Pinze ER

ER Collets

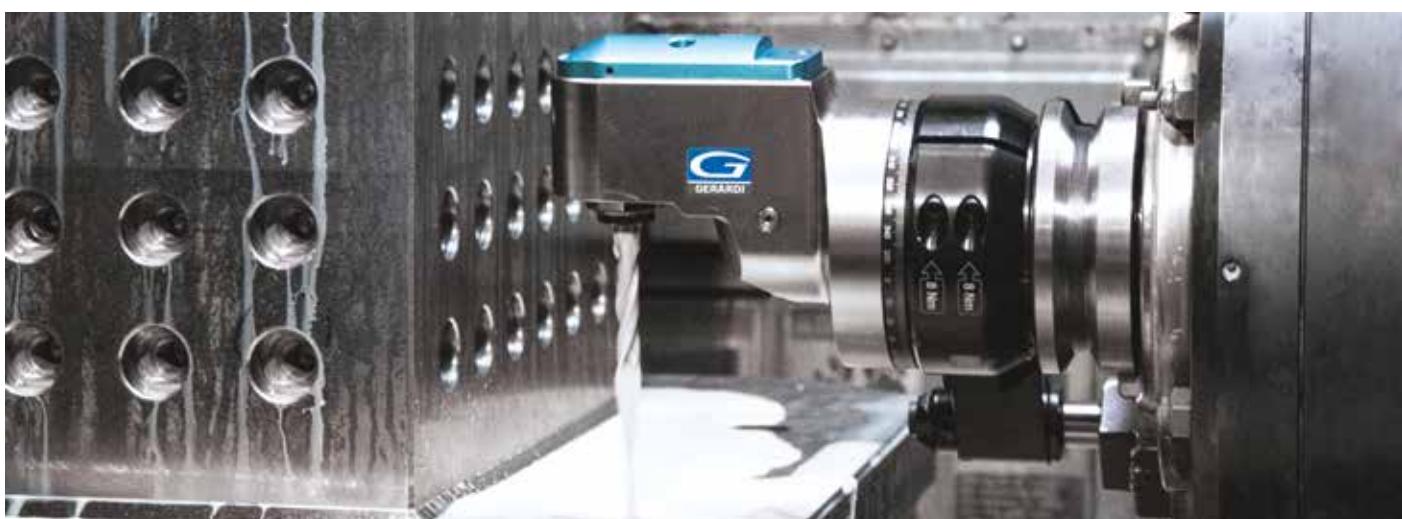
Pinze ER, pinze biconiche realizzate in acciaio e adatte al serraggio di utensili secondo normativa DIN 6499

ER Collets, steel biconical collets for tool clamping according to DIN6499 regulation.



OPZIONE REFRIGERANTE INTERNO INTERNAL COOLANT OPTION

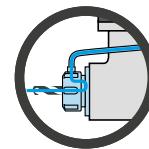
10bar	Opzione B - B Option 10bar	Opzione RI - RI Option UP TO 70bar	Opzione Re-Cool - Re-Cool Option UP TO 150bar
  <p>Perno » Utensile Positioning Pin » Tool</p>	  <p>Perno » Distributore » Utensile Positioning Pin » Rotating Distributor » Tool</p>	  <p>Cono » Distributore » Utensile Shank » Rotating Distributor » Tool</p>	  <p>Perno » Ghiera ReCool » Utensile Positioning Pin » ReCool Nut » Tool</p>
Passaggio refrigerante esterno all'utensile 10bar External coolant 10bar through the tool	Passaggio refrigerante interno all'utensile 10bar dal perno attraverso distributore rotante Internal coolant 10bar through the tool from positioning pin and through rotating distributor ROTAZIONE A SECCO - DRY RUNNING POSSIBILE - POSSIBLE	Passaggio refrigerante interno all'utensile da 30 a 70 bar dal cono e attraverso il distributore rotante Internal coolant through the tool from 30 to 70 bar from the shank and through the rotating distributor ROTAZIONE A SECCO - DRY RUNNING NON POSSIBILE - NOT POSSIBLE	Passaggio refrigerante interno l'utensile per mezzo della ghiera ReCool. Internal coolant through the tool from the special nut ReCool Vedi pagine - See Pages 7.16 - 7.18



Testa angolare FR90-10B 70bar in lavorazione - Angle heads FR90-10B 70bar during works

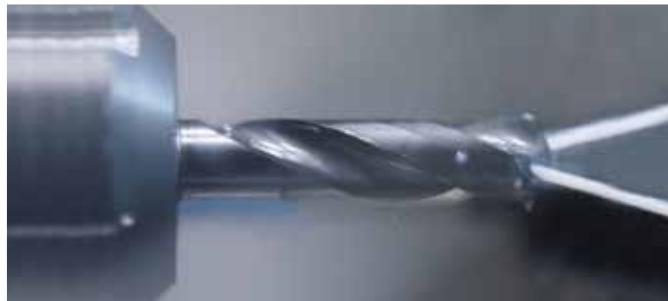
RE COOL NUTS

**NEW
2024**

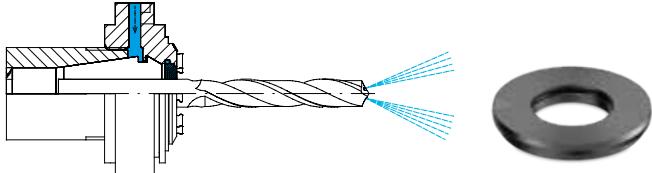


DISCHETTI A TENUTA STAGNA PER GHIERE - SEALING DISKS FOR NUTS

REFRIGERAZIONE INTERNA - INTERNAL COOLANT



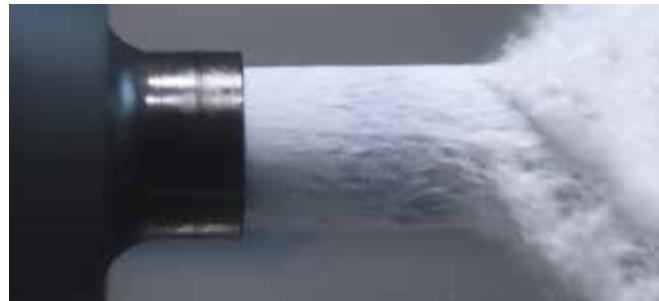
DISCHETTO A TENUTA STAGNA - SEALING DISK **GDS**



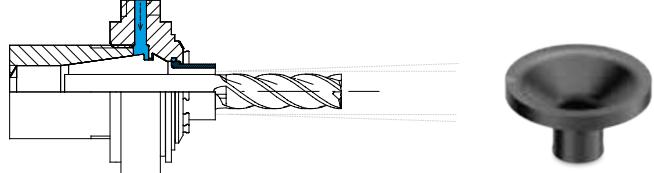
CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione interna con Ghiera ReCool, con il dischetto a tenuta stagna GDS
- Precisa refrigerazione del tagliente e migliore asportazione di truciolo
- Ideale soprattutto per elevate profondità
- Lubrificazione e refrigerazione del tagliente
- Ottima finitura superficiale
- Achieve internal cooling with ReCool nuts and the use of our sealing disk GDS
- Precise cooling at the cutting edge and improved chip removal
- Particularly suitable for deep cavities
- Lubrication of cutting edge and cooling
- Best surface quality

REFRIGERAZIONE PERIFERICA - PERIPHERAL COOLANT



DISCHETTO PER REFRIGERAZIONE - FLUSH DISK **GKS**



CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione periferica con Ghiera ReCool, con il dischetto per refrigerazione GKS
- Applicabile su teste e motorizzati con refrigerante interno con apposita ghiera STDC - MINIC - AXC
- Lubrorefrigerante lungo l'utensile fino al tagliente
- Ideale per profondità medie
- Achieve peripheral cooling with ReCool nuts and the use of our coolant flush disk GKS
- Applicable on Angle Heads and Driven Tools with internal coolant through suitable nut STDC - MINIC - AXC
- Coolant is fed along the side of the tool to the cutting edge
- Can be used for moderate cavities

2



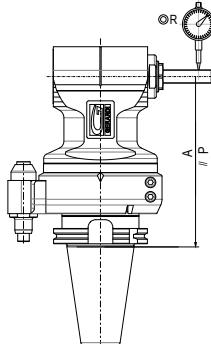
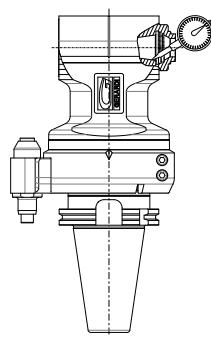
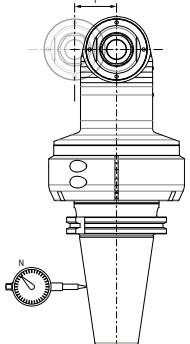
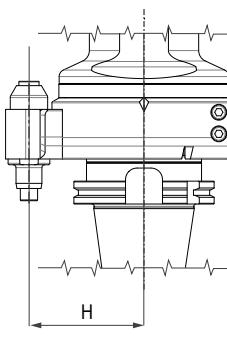
SWISS MADE

APPLICAZIONE RAPIDA E FACILE DELLA REFRIGERAZIONE INTERNA DALL'ESTERNO
REASONABLE, FAST AND EASY CONVERSION TO INTERNAL COOLING

ESEMPIO SCHEDA DI COLLAUDO

INSPECTION SHEET EXAMPLE

Tipo - Type	G90-16 ATC
Codice - Code	9.G90.16000
Numero seriale - Serial number	18-011
Attacco cono - Input shank	CAT50 - H=80
Note speciali - Special notes	

TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error	TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error
<p>Quota e parallelismo da filo cono ad asse principale. Oscillazione asse utensile.</p> <p>Height and parallelism from gauge line to main axis. Runout cutter axis.</p>		<p>Ammesso Allowed $A = \pm 0,03$ $R = \pm 0,025$ $P = \pm 0,015/100$</p> <p>Rilevato Checked</p> <p>$A = +0,010$</p> <p>$R = 0,015$</p> <p>$P = 0,012/100$</p>	<p>Oscillazione mandrino porta utensile.</p> <p>Runout in cutter spindle.</p>		<p>Ammesso Allowed 0,010</p> <p>Rilevato Checked</p> <p>$0,008$</p>
<p>Concentricità tra cono e asse principale. Disassamento tra gli assi principali.</p> <p>Concentricity between shank and main axis. offset between main axis</p>		<p>Ammesso Allowed $F = \pm 0,02$ $N = \pm 0,02$</p> <p>Rilevato Checked</p> <p>$F = 0,010$</p> <p>$N = 0,016$</p>	<p>Interasse cono-perno di posizionamento.</p> <p>Pitch shank-positioning pin.</p>		<p>Ammesso Allowed 0,010</p> <p>Rilevato Checked</p> <p>$-0,010$</p>

RODAGGIO TESTA - RUN-IN

RPM in entrata RPM	Durata Time	Temperatura Ambiente Room Temperature	Temperatura Sonda Sensor Temperature	Note Notes
1000	00:10:00	22°	27°	
2000	00:10:00		32°	
3000	00:05:00		36°	
4000	00:05:00		42°	
5000				
6000				

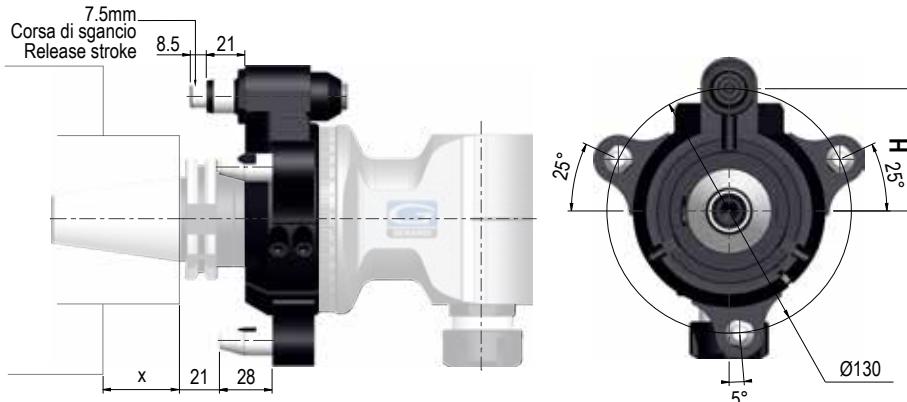
Revisioni - Revisions

Timbro - Stamp

Data - Date

Firma - Signature

SISTEMA ANTIROTANTE MULTIPONT MULTIPOINT ANTIROTATION SYSTEM



TYPE 1

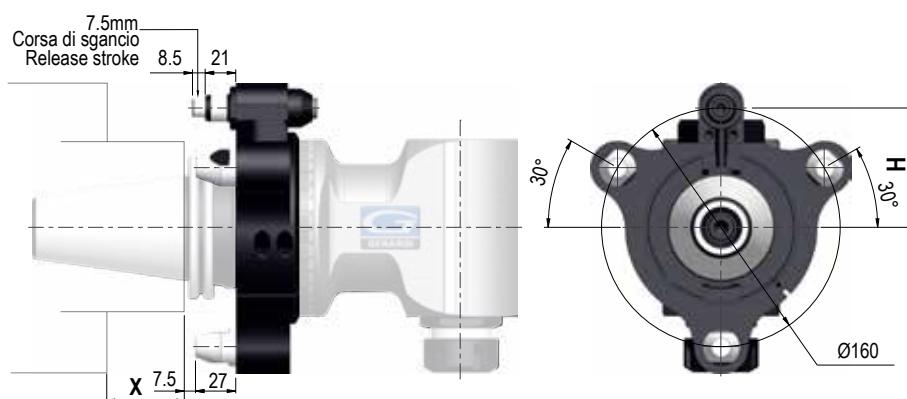
Code: 9.GAT1./...*

Teste ad angolo con interasse H=65

Angle heads with centre distance H=65

Coni Shank	SK 40	BT 40	BT 50	Solo flangia Only Flange**

** In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



TYPE 2

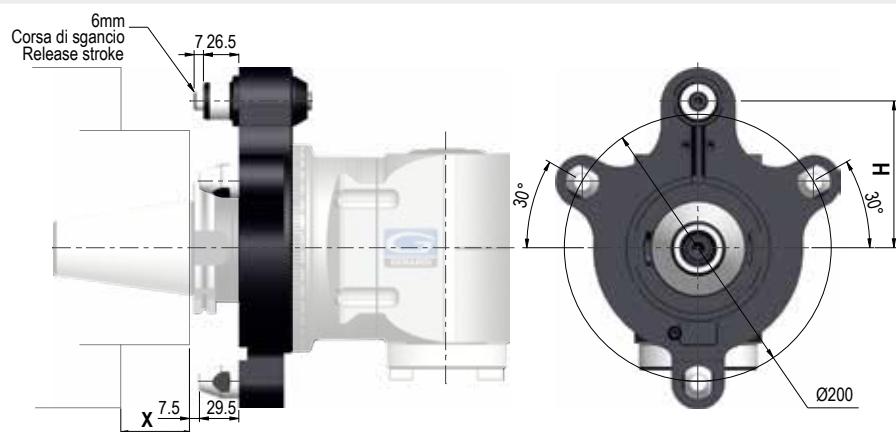
Code: 9.GAT2./...*

Teste ad angolo con interasse H=80

Angle heads with centre distance H=80

Coni Shank	SK 50	BT 50	CAT 50	HSK 80	Solo flangia Only Flange**

** In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



TYPE 3

Code: 9.GAT3./...*

Teste ad angolo con interasse H=110

Angle heads with centre distance H=100

Coni Shank	SK 50	BT 50	Solo flangia Only Flange**

** In caso di acquisto contestuale alla testa angolare
In case of purchase together with angle head



Il sistema antirotante MULTIPONT è composto da 4 punti d'appoggio di cui uno standard e tre supplementari ed è stato studiato per i seguenti motivi:
 - Garantire una rigidità superiore allo standard
 - Poter eseguire lavorazioni pesanti
 - Annullare ogni tipo di vibrazione
 - Applicabile ad ogni tipo di mandrino macchina

The anti-rotation MULTIPONT system is made of 4 brace points (one standard and 3 additional) for:
 -Granting a higher than standard rigidity
 -Allowing heavy duty machining
 -Avoiding any type of vibration
 -Mounting on any type of machine spindle



* In fase di ordine specificare tipo di cono e grandezza - In case of order specify shank type and size

ESEMPIO di MONTAGGIO SERIE ATC ATC SERIES MOUNTING EXAMPLE

PER UN CORRETTO ORDINE VERIFICARE L'IDONEITÀ DEL PERO DI POSIZIONAMENTO
FOR A RIGHT PURCHASE ORDER CHECK THE POSITIONING PIN SUITABILITY

1) STOP-BLOCK GIÀ PRESENTE SUL MANDRINO MACCHINA

- Per Stop-block Gerardi è sufficiente indicare il tipo di testa, interasse H, diametro perno ed altezza perno
- In caso di Stop-block NON Gerardi, inviateci il disegno del suddetto e del mandrino macchina per determinare il perno. Se possibile si consiglia di smontare lo stop block presente e di utilizzare il nostro standard.

STOP-BLOCK ALREADY MOUNTED ON THE MACHINE SPINDLE

- For Gerardi items, please indicate the type of Angle Head, the H dimension, the pin diameter and height.
- For non-Gerardi items, please send us the stop-block and the machine spindle drawings in order to design the right pin. If possible, we suggest you to use Gerardi standard stop block, taking off the one already placed on the machine.

2) NESSUNO STOP-BLOCK MONTATO SUL MANDRINO MACCHINA

Rilevare la quota X sul mandrino della macchina e mediante la seguente formula calcolare lo spessore del distanziale. In caso di spessori inferiori a 8 mm è possibile richiedere un apposito stop-block con base lavorabile (Pag. 2.77)

NO STOP-BLOCK MOUNTED ON THE MACHINE SPINDLE

Please check the X dimension on the machine spindle and calculate the width of the spacer through the following formula. In case of widths of less than 8 mm, a special stop block with machineable base can be ordered (Page 2.77)

$$S=X+B-35$$

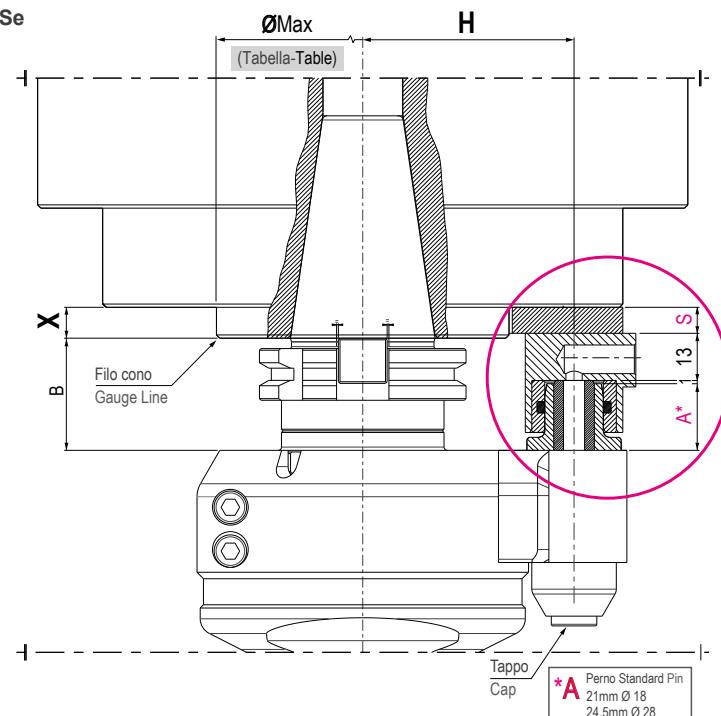
$$S=X+B-38,5$$

Se sei in possesso di una testa angolare con perno Ø18

If you have an Angle Head with pin Ø18

Se sei in possesso di una testa angolare con perno Ø28 If

you have an Angle Head with pin Ø28



X	B
12mm	35mm (SK40)
$S = X (12) + B (35) - 35 = 12$	

Esempio di calcolo spessore distanziale
 Example of calculation for spacer thickness

ESEMPIO di MONTAGGIO SERIE ATC

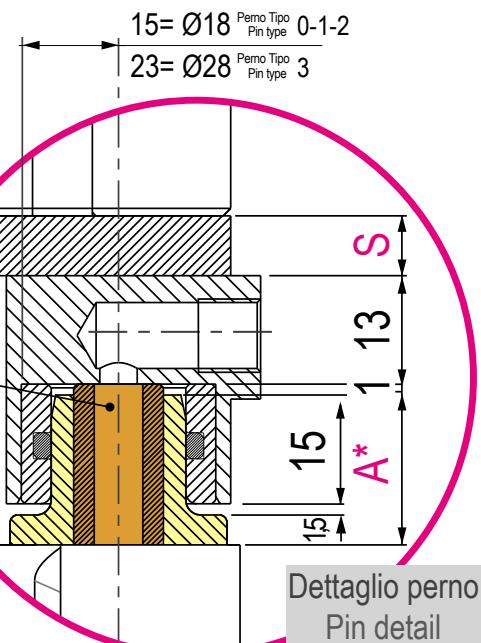
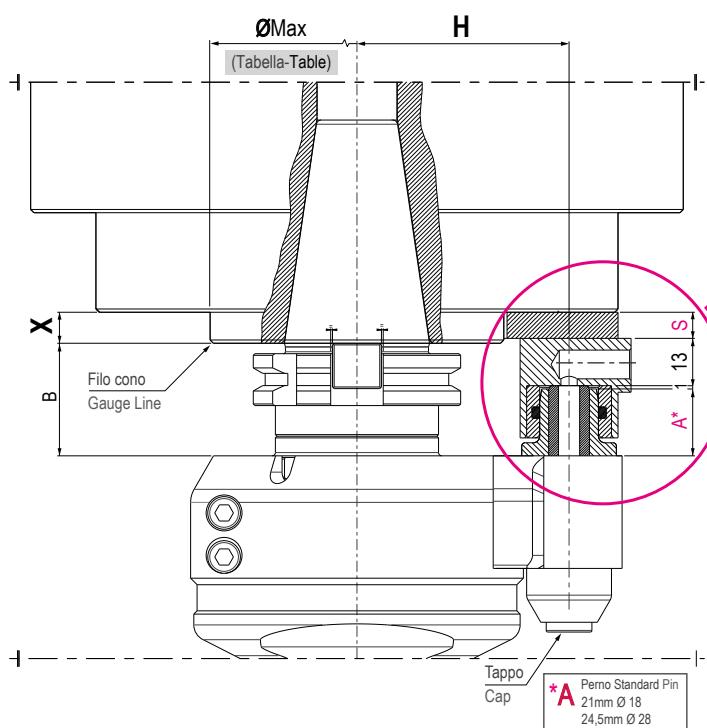
ATC SERIES MOUNTING EXAMPLE

PER UN CORRETTO ORDINE VERIFICARE L'IDONEITA' DELL'INTERASSE "H"
 FOR A RIGHT PURCHASE ORDER CHECK PITCH "H" SUITABILITY

Verificare l'idoneità dell'interasse "H" tramite tabella - Check pitch "H" through table

TABELLA
 TABLE

PERNO PIN	"H" INTERASSE - PITCH	\varnothing MAX
\varnothing 18	65	99
	80	129
	110	189
\varnothing 28	110	172



ATTENZIONE - ATTENTION

Il distanziale per il posizionamento dello stop-block, deve essere realizzato di uno spessore tale da comprimere il perno di sgancio NON per l'intera corsa, ma in modo da lasciare sempre 1mm di gioco.
 I calcoli della pagina precedente sono già fatti in tal senso.

The spacer for the stop-block must be done in order to push the release pin NOT for the whole stroke release, but leaving always 1mm play. Previous page calculations are already considering this issue.

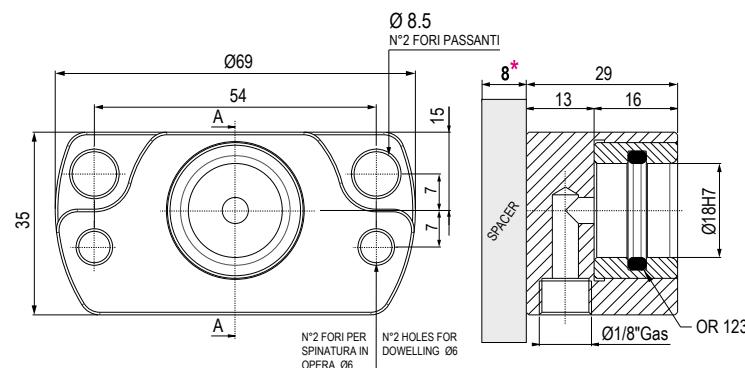
STOP-BLOCK Standard



Ø18

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.18	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2	



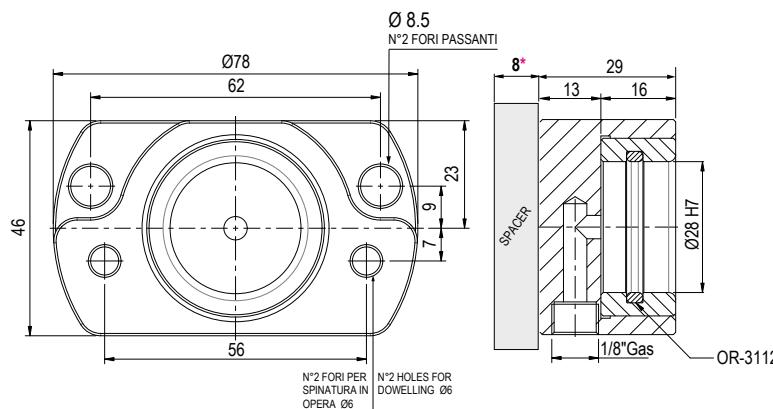
2



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.28	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2	



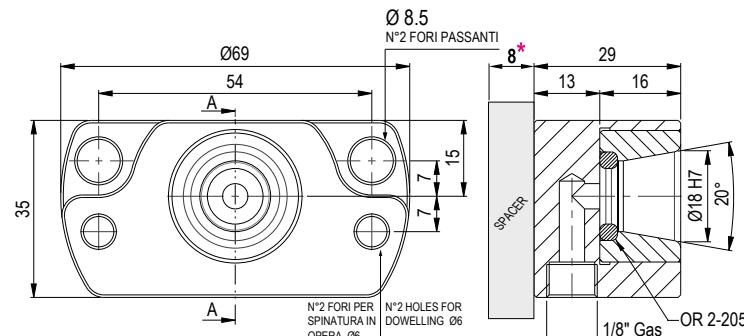
STOP-BLOCK Conico - Conical



Ø18

Con bussola temprata - with hardened bushing

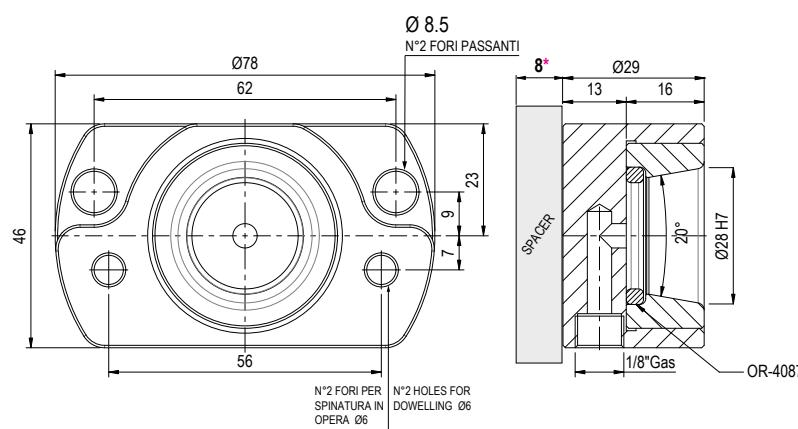
STOP BLOCK Code	
9.INDEX.18C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.28C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	



* Misura minima per distanziale sotto la quale è necessario utilizzare lo stop-block lavorabile
 Specer minimum dimension under this dimension it is necessary to use the machineable stop-block

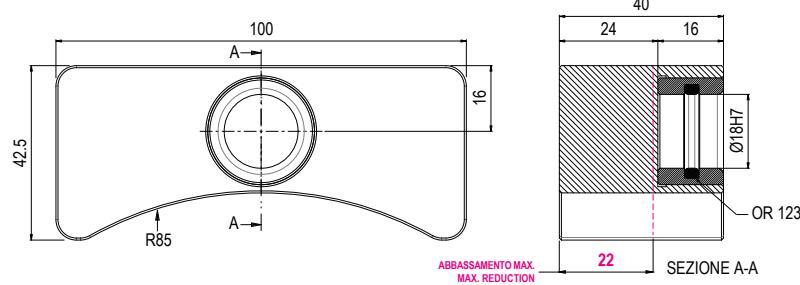
STOP-BLOCK Lavorabile** - Machineable**



Ø18

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G18.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2	



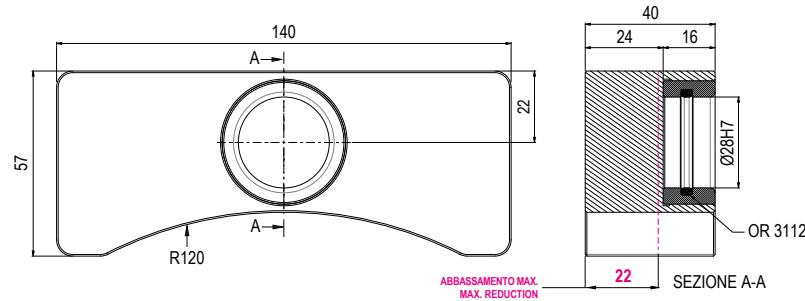
2



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2	



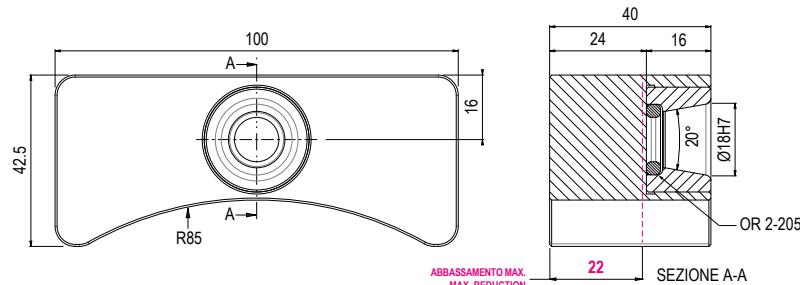
STOP-BLOCK Lavorabile conico** - Conic machineable**



Ø18

Con bussola temprata - with hardened bushing

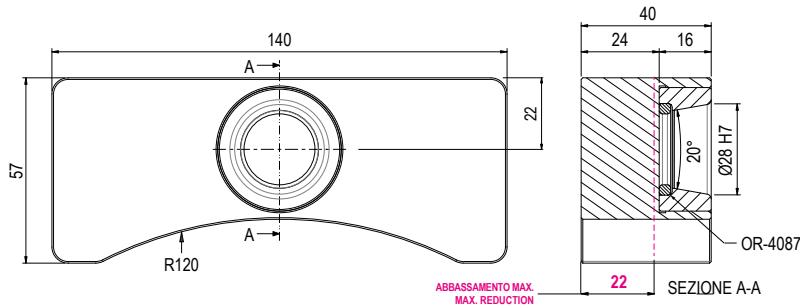
STOP BLOCK Code	
9.G18.INDEX.C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2.C	



Ø28

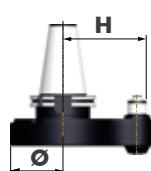
Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEX.C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2.C	



** A richiesta - On request

GRUPPO ANTIROTANTE ANTI-ROTATION GROUP


GRUPPO ANTIROTANTE
 ANTI-ROTATION GROUP

GRUPPO CONO
 SHANK GROUP

ANELLO
 RING

MODELLO MODEL	TIPO TYPE	Code	
FLU-7 FL90-7	0 (Ø66)	9GA05C_136	
		9GA05C_146	
		9GA05C_336	
		9GA05C_346	
		9GA05C_446	
		9GA05C_566	

Code	
9.SK30.0ATC	
9.SK40.0ATC	
9.BT30.0ATC	
9.BT40.0ATC	
9.CT40.0ATC	
9.HSK63.0ATC	

MODELLO MODEL	
SK	DIN 69871
30/40/50	

Code	Ø	
9FA630120	Ø66	

FL90-13 FL90-16 / 2U	1 (Ø102)	9GA15C_136	
		9GA15C_146	
		9GA15C_336	
		9GA15C_346	
		9GA15C_446	
		9GA15C_566	
		9GA11C_136	
		9GA11C_146	
		9GA11C_246	
		9GA11C_336	
		9GA11C_346	
		9GA11C_358	
		9GA11C_446	
		9GA11C_458	
		9GA11C_566	

Code	
9.SK30.1ATC	
9.SK40.1ATC	
9.BT30.1ATC	
9.BT40.1ATC	
9.CT40.1ATC	
9.HSK63.1ATC	
9.SK30.1ATC	
9.SK40.1ATC	
9.SK50.1ATC	
9.208040.1ATC	
9.BT30.1ATC	
9.BT40.1ATC	
9.BT50.1ATC	
9.CT40.1ATC	
9.CT50.1ATC	
9.HSK63.1ATC	
9.HSK80.1ATC	
9.HSK100.1ATC	
9.C5.1ATC	
9.C6.1ATC	
9.C8.1ATC	
9.208040.1ATC	
9.208050.1ATC	

MODELLO MODEL	
BT	MAS 403
30/40/50	

Code	Ø	
9FA636000	Ø102	

F90-16 / 16L 2U F90-20 F90-S30*	2 (Ø128)	9.GA21C_158	
		9.GA21C_458	
		9.GA21C_358	
		9.GA21C_588	
		9.GA21C_518	
		9.GA21C_668	
		9.GA21C_688	
		9.GA21C_246	

Code	
9.SK50.2ATC	
9.CT50.2ATC	
9.BT50.2ATC	
9.HSK80.2ATC	
9.HSK100.2ATC	
9.C6.2ATC	
9.C8.2ATC	
9.208050.2ATC	

MODELLO MODEL	
C.	ISO 26623
63/80/100	

Code	Ø	
9FA636007	Ø128	

F90-S40 F90-S40 70BAR F90-30 (ER40)* 2U FMU-20	3 (Ø157)	9.GA3.2C_151	
		9.GA3.2C_451	
		9.GA3.2C_351	
		9.GA3.2C_581	
		9.GA3.2C_511	
		9.GA3.2C_681	
		9.GA3.2C_251	

Code	
9.SK50.3ATC	
9.CT50.3ATC	
9.BT50.3ATC	
9.HSK80.3ATC	
9.HSK100.3ATC	
9.C8.3ATC	
9.208050.3ATC	

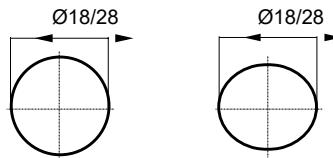
MODELLO MODEL	
KM	
63/80/100	

FLANGIA INTEGRALE INTEGRAL FLANGE	
9FA636008	Ø157

A richiesta: Specificare per gruppi antirotante a 70BAR Esempio: (9.GA1.SK40 49/70) (Chip Balluf su coni HSK)
 On request: Specify for 70BAR antirotation group Example: (9.GA1.SK40 49/70) (Chip Balluf on HSK shanks)

GRUPPO PERNO

PIN GROUP


STANDARD
 2 AXIS

ON REQUEST
 1 AXIS

GRUPPO PERNO
 PIN GROUP

PERNO CILINDRICO CYLINDRICAL PIN	PERNO ELLITTICO ELLIPTIC PIN	P	L	H	
9GP05C_i65	-	Ø18	21	65	
9GP15C_i65	9GP13C_i65	Ø18	21	65	
9GP11C_i65	9GP13C_i65	Ø18	21	65	
9GP11C_i80	9GP13C_i80	Ø18	21	80	
9GP11C_110	9GP13C_110	Ø18	21	110	
9GP12C_110	9GP14C_110	Ø28	26,5	110	
9GP21C_i80	9GP23C_i80	Ø18	21	80	
9GP21C_110	9GP23C_110	Ø18	21	110	
9GP22C_110	9GP24C_110	Ø28	26,5	110	

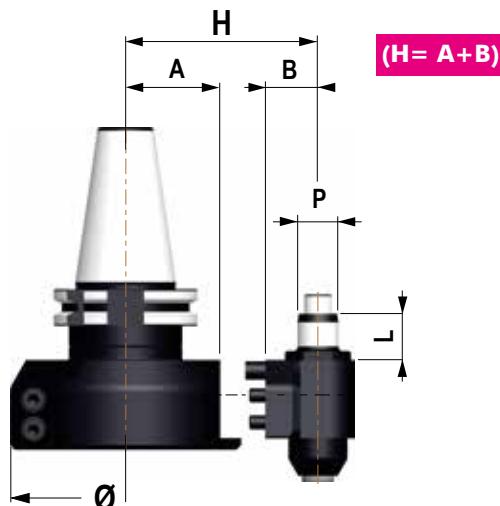
SPECIALE - SPECIAL
Perno STD accorciato / Perno speciale
 STD Short Pin / Special Pos. Pin

Gruppo antirotante speciale
 Special Anti-rotation group

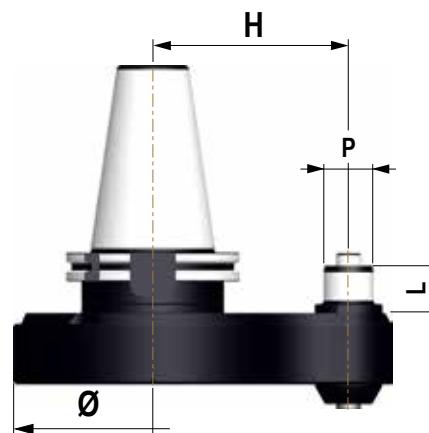
ATTENZIONE - ATTENTION

In caso di utilizzo di più teste angolari su un'unica macchina viene consigliata la seguente configurazione: Prima testa angolare (Master) assemblata con perno cilindrico per il posizionamento preciso dello stop block successive teste angolari (Secondarie) assemblate con perno ellittico per sopprimere ad eventuali difformità dell'interasse.

In case of use of more than one Angle head on the same machine, the following configuration is suggested: First Angle head (Master) – supplied with cylindrical pin for the accurate positioning of the stop block. Additional angle heads (Secondary) – supplied with elliptic pin to balance any potential pin difference.



Gruppo antirotante tipo 1 - 2 (Anello + Gruppo perno)
 Anti-rotation group type 1-2 (Ring + Pin group)



Gruppo antirotante tipo 3 (Flangia integrale)
 Anti-rotation group type 3 (Integral flange)

In caso di perni speciali fare riferimento alla tabella a Pag. 1.93 - See Page 1.93 for special pins

OPZIONE REFRIGERANTE INTERNO INTERNAL COOLANT OPTION

Opzione B - B Option

Up to 10bar



Mandrino macchina » Distributore » Utensile
Machine spindle » Rotating Distributor » Tool

Passaggio refrigerante interno all' utensile.
Dal mandrino macchina e attraverso il distributore rotante
Internal coolant through the tool from the machine spindle and through rotating distributor.

ROTAZIONE A SECCO - DRY RUNNING
10 BAR POSSIBILE - POSSIBLE

Passaggio refrigerante interno tramite cono » Distributore » Utensile **SU RICHIESTA**
Internal coolant through shank » rotating distributor » tool **ON REQUEST**

Opzione Re-Cool - Re-Cool Option

UP TO 150bar

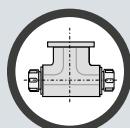


Perno » Ghiera ReCool » Utensile
Positioning Pin » ReCool Nut » Tool

Passaggio refrigerante interno l'utensile per mezzo della ghiera ReCool.
Internal coolant through the tool from the special nut ReCool.

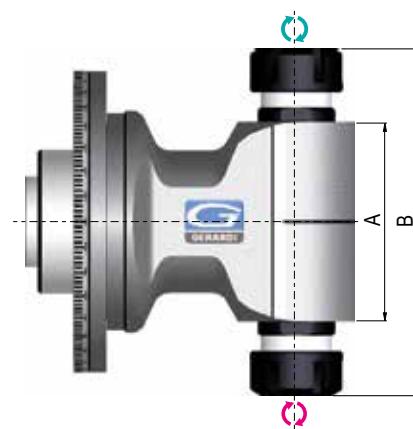
Vedi pagine - See Pages 7.16 - 7.18

OPZIONI DOPPIA USCITA SERIE MTC DOUBLE OUTPUT OPTIONS MTC SERIES



Disponibile per i modelli - Available for following types:

MODELLO MODEL	USCITA OUTPUT	A	B	
F90-16S 2U		90	157	
F90-16 2U	ER-25	98	170	
F90-16L 2U				
F90-20 2U	ER-32	118	193	
F90-20L 2U				
F90-30 2U	ER-40	141	226	



Teste angolari MTC doppia uscita - Double output MTC angle heads

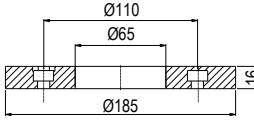
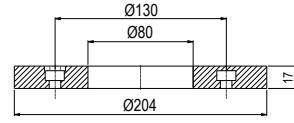
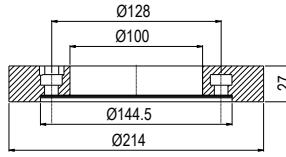
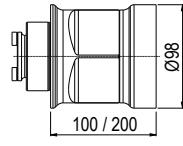
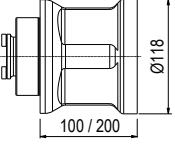
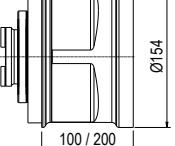
CONI MODULARI MODULAR SHANKS

Senza cono - No shank

CONO MODULARE MODULAR SHANK	SK DIN 69871	BT MAS 403	CAT ANSI B5.50	ISO DIN 2080	HSK DIN 69893	C. ISO 26623	KM
	30/40/50	30/40/50	40/50	30/40/50	63/80/100	C5/C6/C8	63/80/100
Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes
9.SK30.MTC	9.BT30.MTC	9.CT40.MTC	9.208040.MTC	9.HSK.63.MTC	9.C5.MTC	9.KM.63.MTC	
9.SK40.MTC	9.BT40.MTC	9.CT50.MTC	9.208050.MTC	9.HSK.80.MTC	9.C6.MTC	9.KM.80.MTC	
9.SK50.MTC	9.BT50.MTC			9.HSK.100.MTC	9.C8.MTC	9.KM.100.MTC	

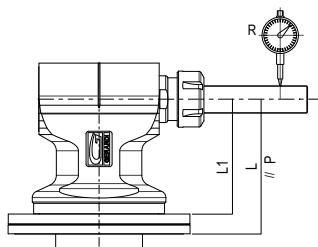
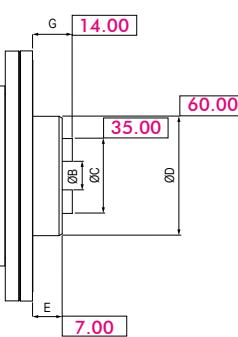
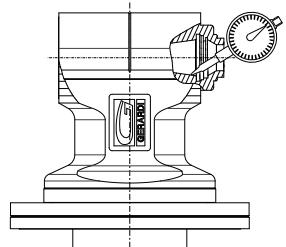
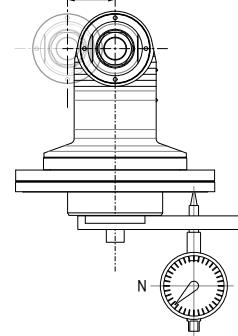
FLANGE / PROLUNGHE FLANGES / EXTENSIONS

* Con l'acquisto della flangia universale il kit di 4 dadi è già incluso nel prezzo
 * The nuts kit is just included in the price of the flange purchase

TIPO TYPE	1	2	3	4			
MODELLO MODEL	F90-16S	F90-16L F90-20	F90-S40	F90-S50			
FLANGE UNIVERSALI * UNIVERSAL FLANGE *							
FLANGE UNIVERSALI * UNIVERSAL FLANGE *	Codes 9.FL.F90T1 T NUTS KIT 9.FL.F90T1D NO FLANGE	Codes 9.FL.F90T2 T NUTS KIT 9.FL.F90T2D NO FLANGE	Codes 9.FL.F90T3 T NUTS KIT 9.F90.F90T3D NO FLANGE	Codes 9.FL.F90T4			
TIPO TYPE	1	2	3	4			
PROLUNGA EXTENSION							
H	Codes	H	Codes	H	Codes	H	Codes
100	9.FEX.10100	100	9.FEX.20100	100	9.FEX.30100	300	9.FEX.40300
200	9.FEX.10200	200	9.FEX.20200	200	9.FEX.30200		

ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE

Tipo - Type	G90-16 MTC
Codice - Code	9.G90.16001
Numero seriale - Serial number	17-127
Attacco cono - Input shank	DIN-69871/40
Note speciali - Special notes	

TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error	TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error
<p>Quota e parallelismo da filo cono ad asse principale. Oscillazione asse utensile.</p> <p>Height and parallelism from gauge line to main axis. Runout cutter axis.</p>		Ammesso Allowed $A = \pm 0,03$ $R = \pm 0,025$ $P = \pm 0,015/100$ Rilevato Checked $L = +0,020$ $L1 = +0,010$ $R = 0,025$ $P = 0,012/100$	<p>Verifica delle quote per l'attacco del cono e della flangia.</p> <p>Main input shaft dimension checked.</p>		Ammesso Allowed $E/G=0,11/-0,5$ $C/D=+0/-0,03$ Rilevato Checked $B = 25h7$ ok $E = -0,100$ $G = -0,150$ $C = -0,020$ $D = -0,030$
<p>Oscillazione mandrino porta utensile.</p> <p>Runout in cutter spindle.</p>		Ammesso Allowed $0,010$ Rilevato Checked $0,008$	<p>Perpendicolarità e disassamento tra gli assi principali.</p> <p>Perpendicularity and offset between main axes.</p>		Ammesso Allowed $F = \pm 0,020$ $N = 0,010/100$ Rilevato Checked $F = 0,015$ $N = 0,010/100$

RODAGGIO TESTA - RUN-IN

RPM in entrata RPM	Durata Time	Temperatura Ambiente Room Temperature	Temperatura Sonda Sensor Temperature	Note Notes
1000	00:10:00	20°	28°	
2000	00:10:00		37°	
3000	00:05:00		41°	
4000	00:05:00		48°	
5000				
6000				

Revisioni - Revisions	Timbro - Stamp	Data - Date
		Firma - Signature

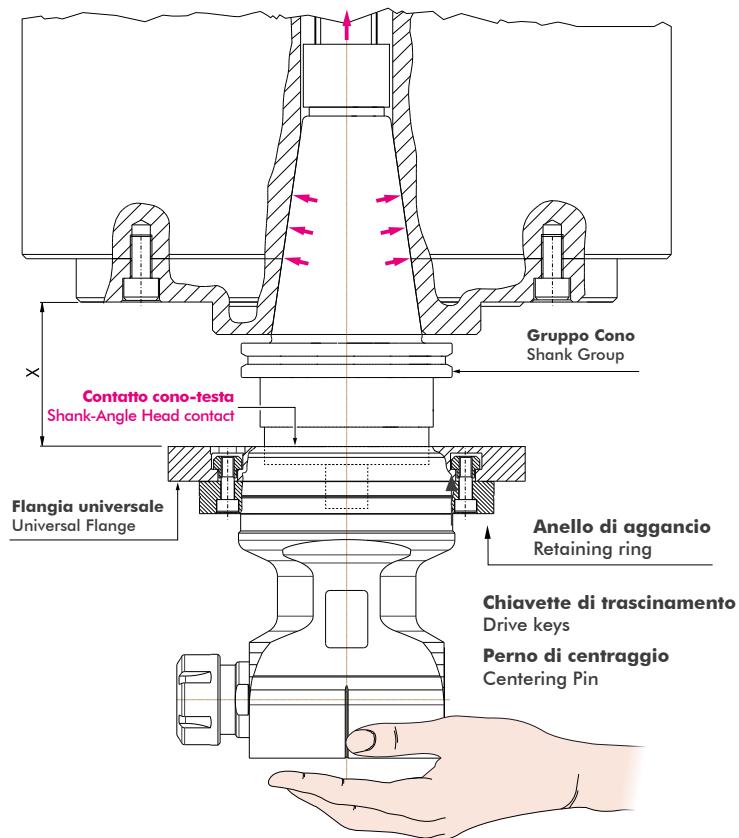
ESEMPIO DI MONTAGGIO SERIE MTC

MTC SERIES MOUNTING EXAMPLE

DISTANZIALE REALIZZATO IN OPERA
 SPACER TO BE MADE

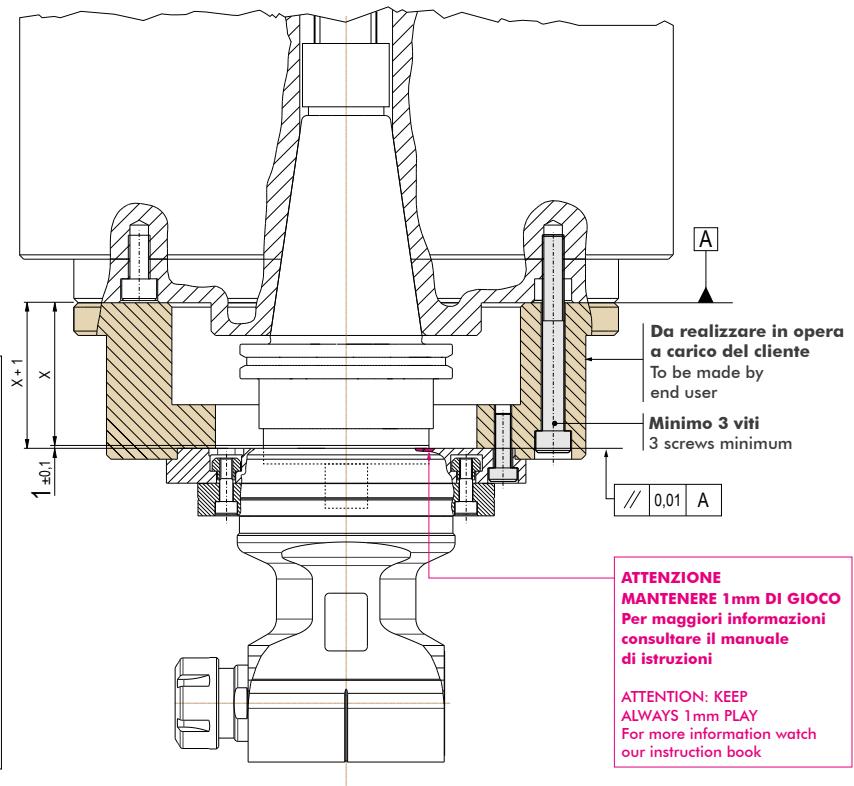
FASE 1 - STEP 1

- Montare l'anello di aggancio e la flangia universale sulla testa
- Applicare il cono alla testa
- Inserire la testa nel mandrino macchina.
- Rilevare la misura "X"
- Mount the retaining ring and the universal flange
- Mount the shank on the Head.
- Mount the head into the machine spindle.
- Check dimension "X"



FASE 2 - STEP 2

- Realizzare un distanziale con spessore X+1mm
- Rimontare il tutto in macchina.
- Orientare e posizionare correttamente la testa angolare
- Azzerare l'anello graduato tramite il grano e le tacche di riferimento
- Make a spacer with X + 1mm thickness.
- Reassemble the Head on the machine.
- Turn the angle head in the correct position.
- Set the graduated ring by rotating the screw to the 0 position.



PINZE - COLLETS



6023E - 600E - 601E

MODELLO MODEL	PINZA COLLET	Ø	Code	Ø	Intermedi - Intermediate
FS90-3 FS90-3L	6023E	1,0	9.60.23E00/...		1,1 - 1,2 - 1,3 - 1,4
		1,5 - 2 - 2,5			1,6 - 1,7 - 1,8 - 1,9 - 2,1 - 2,2 - 2,3 - 2,4
		3,0			2,6 - 2,7 - 2,8 - 2,9
FS90-4 FS90-4L	600E	1,0	9.60.0E000/...		1,1 - 1,2 - 1,3 - 1,4
		1,5 - 2 - 2,5			1,6 - 1,7 - 1,8 - 1,9 - 2,1 - 2,2 - 2,3 - 2,4
		3,0 - 4,0			2,6 - 2,7 - 2,8 - 2,9 ÷ 3,9
FS90-6 FS90-6L	601E	1,0	9.60.1E000/...		1,1 - 1,2 - 1,3 - 1,4
		1,5 - 2 - 2,5			1,6 - 1,7 - 1,8 - 1,9 - 2,1 - 2,2 - 2,3 - 2,4
		3-3,5-4-4,5-5-5,5-6			3,1 ÷ 3,9 - 4,1 ÷ 4,9 - 5,1 ÷ 5,9

Esempio di ordinazione: 600E - Ø2,3 = 9.60.0E000/2,3

Example to order: 600E - Ø2,3 = 9.60.0E000/2,3

ER-DIN 6499

Foratura-fresatura / drilling-milling



Maschiatura / tapping



MODELLO MODEL	PINZA COLLET	Ø	Code	PINZA ET1 (compensate) COLLET ET1 (compensation)	Ø	Code
FL90-7 FS90-6L F90-7 / 2U F90-7L / 2U FLU-7	ER11	Ø1 / 7	9.ER.11000/...	-	-	-
F90-7B F90-7LB	ER11 WP	Ø3 / 7	9.ER.11WP0/...	-	-	-
FL90-10 F90-10 / 2U F90-10L / 2U FMU-10	ER16	Ø1 / 10	9.ER.16000/...	ET 1 - 16 (M1 - M6)	Ø1,4 / 6	9.ET.16000
FR90-10 70BAR F90-10B FMU-10	ER16 WP	Ø3 / 10	9.ER.16WP0/...	-	-	-
F90-13 F90-13L FL90-13	ER20	Ø1/13	9.ER.20000/	ET 1 - 20 (M2 - M8)	Ø2,2 / 7	9.ET.20000
F90-13B FR90-13 70BAR	ER20 WP	Ø3/13	9.ER.20WP0/...	-	-	-
FL90-16 - 2U F90-16S F90-16 / 2U F90-16L / 2U FMU-16	ER25	Ø1 / 16	9.ER.25000/...	ET 1 - 25 (M2 - M12)	Ø2,5 / 10	9.ET.25000
FR90-16 70BAR F90-16SB F90-16B F90-16LB FMU-16	ER25 WP	Ø3 / 16	9.ER.25WP0/...	-	-	-
F90-20 / 2U F90-20L F90-20S FMU-20	ER32	Ø2 / 20	9.ER.32000/...	ET 1 - 32 (M3,5 - M16)	Ø4,5 / 12,5	9.ET.32000
FR90-20 70BAR F90-20B FMU-20	ER32 WP	Ø3 / 20	9.ER.32WP0/...	-	-	-
F90-30 / 2U	ER40	Ø3 / 30	9.ER.40000/...	ET 1 - 40 (M6 - M16)	Ø6 / 16	9.ET.40000
F90-30B	ER40 WP	Ø3 / 30	9.ER.40WP0/...	-	-	-

Esempio di ordinazione: ER25 - Ø10=9.ER.25000/10 - Example to order: ER25 - Ø10=9.ER.25000/10

WP= Resistenza all'acqua - WP= Waterproof

GHIERE NUTS

MODELLO MODEL	GHIERA NUT	Code	
FS90-3 FS90-3L	-	-	
FS90-4 FS90-4L	-	-	
FS90-6 FS90-6L	-	-	



MODELLO MODEL	GHIERA NUT	COPPIA DI SERRAGGIO TORQUE (Nm)	Code	
FL90-7 FS90-6L F90-7 / L F90-7B / 7LB	ER11 ES	12 (15)	9.ER.110ES	
	ER11 AX		9.ER.110AX	
F90-7 2U	ER11 Mini	12 (15)	9.ER.1100M	
F90-10 / 10L F90-10B	ER16 ES	24 (30)	9.ER.160ES	
	ER16 AX		9.ER.160AX	
F90-10 2U	ER16 Mini	24 (30)	9.ER.1600M	
FL90-13	ER20 ES	28 (35)	9.ER.200ES	
	ER20 AX		9.ER.200AX	
FMU-10	ER16 ES	24 (30)	9.ER.160ES	
	ER16 AX		9.ER.160AX	
FR90-10 70BAR	ER16 ES	24 (30)	9.ER.160ES	
	ER16 AX		9.ER.160AX	
F90-16S F90-16SB	ER25 STD	32 (40)	9.ER.25STD	
FL90-16 F90-16 / 16L F90-16B	ER25 ES	32 (40)	9.ER.250ES	
	ER25 AX		9.ER.250AX	
FMU-16	ER25 Mini	32 (40)	9.ER.2500M	
FR90-16 70BAR	ER25 ES	32 (40)	9.ER.250ES	
	ER25 AX		9.ER.250AX	
F90-20 F90-20B	ER32 STD	136 (70)	9.ER.32STD	
FMU-20	ER32 STD	136 (70)	9.ER.32STD	
FR90-20 70BAR	ER32 ES	136 (70)	9.ER.320ES	
	ER32 AX		9.ER.320AX	
F90-S40 (ER40)	ER40 STD	176 (220)	9.ER.40STD	

CHIAVI WRENCHES

CHIAVI WRENCHES	Code	
CH-5,5	9.CH.55000	
CH-7	9.CH.70000	
CH-9	9.CH.90000	



CHIAVI WRENCHES	Code	
CH-13 ES	9.CH.130ES	
CH-22 ES	9.CH.220ES	
CH-11 AX	9.CH.110AX	
CH-11 Mini	9.CH.1100M	
CH-17 ES	9.CH.170ES	
CH-19 ES	9.CH.190ES	
CH-30 ES	9.CH.300ES	
CH-16 AX	9.CH.160AX	
CH-16 Mini	9.CH.1600M	
CH-22 ES	9.CH.220ES	
CH-36 ES	9.CH.360ES	
CH-22 ES	9.CH.220ES	
CH-20 AX	9.CH.200AX	
CH-19 ES	9.CH.190ES	
CH-FMU10	9.FA.610086	
CH-16 AX	9.CH.160AX	
CH-19 ES	9.CH.190ES	
CH-27 ES	9.CH.270ES	
CH-16 AX	9.CH.160AX	
CH-32 ES	9.CH.320ES	
CH-25 STD	9.CH.25STD	
CH-27 ES	9.CH.270ES	
CH-38 ES	9.CH.380ES	
CH-25 AX	9.CH.250AX	
CH-25 Mini	9.CH.2500M	
CH-27 ES	9.CH.270ES	
CH-27 ES	9.CH.270ES	
CH-36 ES	9.CH.360ES	
CH-25 AX	9.CH.250AX	
CH-47 ES	9.CH.470ES	
CH-32 STD	9.CH.32STD	
CH-40 ES	9.CH.400ES	
CH-32 STD	9.CH.32STD	
CH-32 ES	9.CH.320ES	
CH-47 ES	9.CH.470ES	
CH-32 AX	9.CH.320AX	
CH-52 ES	9.CH.520ES	
CH-40 STD	9.CH.40STD	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

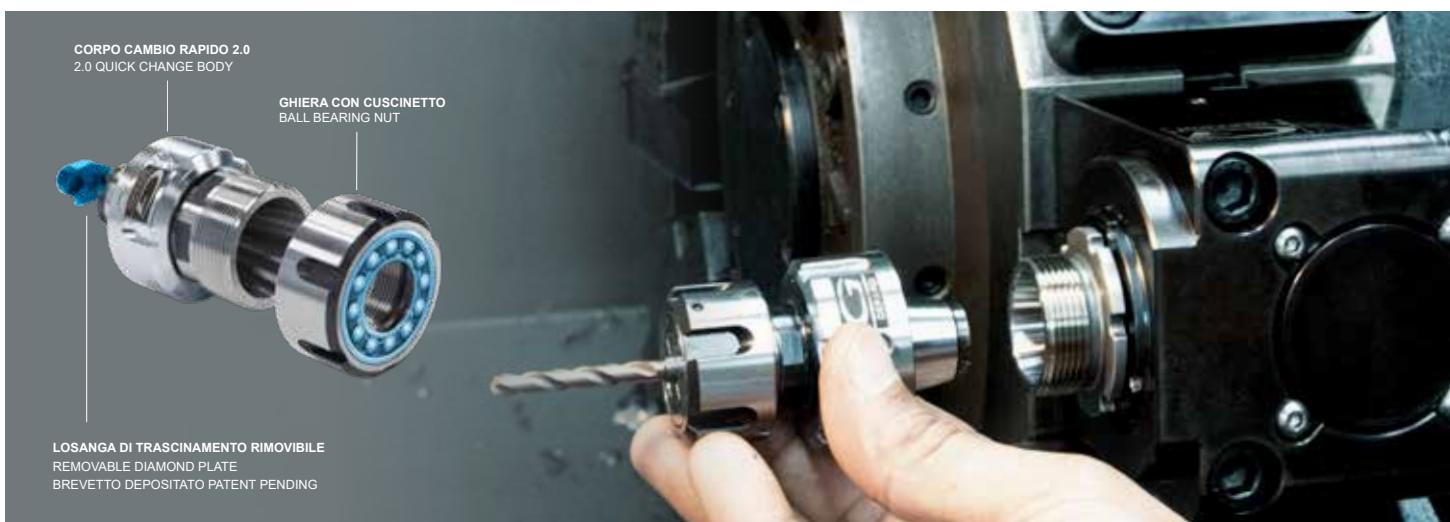
Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



ER OUTPUTS COMPATIBLE



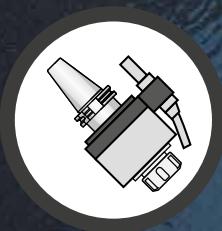
2 YEARS GUARANTEED



100% MADE IN ITALY



MADE IN ITALY



3

3

EVOLUTION LINE

Moltiplicatori di giri / Spindle speeders

INDICE - INDEX

ATC - AUTOMATIC TOOL CHANGE

	pages
GSP PREMIUM	
	
GSP-10HS	
GSP-13	
GSP-16	
GSP-20	
GSP-26	
GSP-34	

from 3.10
to 3.16

INDICE - INDEX

ATC - AUTOMATIC TOOL CHANGE

	pages
ACCESSORIES	
ISTRUZIONI INSTRUCTIONS	
IMPIANTO MICRONEBBIA MICROFOG SYSTEM	
GHIERE RECOOL RECOOL NUTS	<i>NEW</i>
ESEMPIO SCHEDA DI COLLAUDO INSPECTION SHEET EXAMPLE	from 3.23 to 3.32
GRUPPO ANTIROTANTE - GRUPPO PERNO ANTI-ROTATION GROUP - PIN GROUP	
ESEMPIO DI MONTAGGIO MOUNTING EXAMPLE	
STOP-BLOCK STOP-BLOCK	
PINZE COLLETS	
GHIERE E CHIAVI NUTS & WRENCHES	

Moltiplicatori di giri / Spindle Speeders

EVOLUTION LINE



Velocità / High-speed
36.000 Rpm

Ideali per operazioni di foratura ! - Ideal for drilling operations !



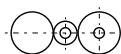
Internal coolant
fino a / Up to
70Bar

I moltiplicatori di giri possono essere montati su macchine tradizionali o con cambio utensile automatico. La lubrificazione è assicurata con grasso a base sintetica a lunga vita che non richiede praticamente interventi di manutenzione. Il certificato di collaudo che troverete allegato ad ogni moltiplicatore di giri garantisce la qualità del prodotto. Robustezza, versatilità, facilità d'impiego e di manutenzione sono caratteristiche che hanno sempre contraddistinto la nostra produzione ed i moltiplicatori di giri ne sono una conferma.

The spindle speeders series can be mounted on traditional machines and on machines with automatic tool change. The spindle speeders series is lubricated with a long-life synthetic grease that is practically maintenance free. The test certificate enclosed to each spindle speeders guarantees the quality of the product. Our products have always stood out for their sturdiness, flexibility and easy use and maintenance and the spindle speeders series is an additional proof of such outstanding features.



Refrigerante interno 70bar
Internal coolant 70bar



Moltiplica fino a 1+8 tramite 2 ingranaggi satellite rettificati
Speed increase up to 1+8 through two planetary gears



Ancora più Veloci Even Faster

Velocità aumentata del 30% rispetto ai modelli precedenti. Gli ingranaggi rettificati permettono la trasmissione di potenze e velocità elevate con ottimi livelli di silenziosità.

+30% Speed Increased. The heat-treated steel parts and the ground gears on the involute guarantee transmission of high power ratings with amazingly low noise levels



Cuscinetti ABEC 9 ABEC 9 Ball Bearings

Ciascun albero di trasmissione è supportato da una coppia di cuscinetti a contatto obliqui, pre-caricati in classe di precisione ABEC 9 e lubrificati con grasso a vita

Shafts supported by sets of super precision pre-loaded angular contact bearings with Long Life grease lubrication and ABEC 9 accuracy rating



Corpo Principale Main Body

Corpo con pressurizzazione interna. In acciaio trattato, massima rigidità e resistenza alla corrosione. Minima dilatazione termica.

Treated steel body with position and internal air pressure, maximum rigidity and corrosion resistant. Minimum thermal expansion



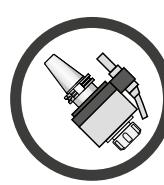
Collaudo Test

Ogni moltiplicatore di giri ha allegato il proprio certificato di collaudo dove sono riportate le proprie caratteristiche tecniche, il numero di matricola, i risultati ottenuti dai test eseguiti sul nostro banco prova.

Every spindle speeder has his test certificate in which there are the technical characteristics, the serial number, the results of the tests made on our testing bench

I moltiplicatori di giri sono stati studiati e definiti con l'intento di offrire un prodotto che possa assicurare la massima affidabilità e precisione nelle operazioni di foratura. - Lavorazioni ad alta velocità - Possibilità di montaggio manuale o automatico ed intercambiabili con teste angolari Evolution Line - Consentono alla macchina di girare a bassi regimi di giri - Possibilità di utilizzare utensili in metallo duro.

The spindle speeders have been designed and developed to offer a product that ensures maximum reliability and accuracy in drilling. From design to static and dynamic testing of the finished product, our spindle speeders use the most advanced technical and technological know-how - Max 35.000 rpm - High speed machining - Manual or automatic tool change option and interchangeable with Evolution line angular heads - Allow the machine to run at low Rpm - Possibility of using hard metal tools.



Moltiplicatori di giri Modulari! Modular spindle speeders series!

Coni Intercambiabili
per un utilizzo su più
centri di lavoro
Interchangeable Shanks
to fit any machine spindle.

Refrigerante 10BAR
attraverso il perno
Standard 10BAR
coolant through the pin



PASSAGGIO REFRIGERANTE - COOLANT TYPES:



10bar

- » Perno
- » Utensile
- » Positioning pin
- » Tool



*Only for types:
GSS10HS - 26 - 34



**up to
70bar***

- » Perno
- » Distributore
- » Utensile
- » Positioning Pin
- » Rotating Distributor
- » Tool



**up to
150bar**

- » Cono
- » Distributore
- » Utensile
- » Shank
- » Rotating Distributor
- » Tool

MODULARITÀ SENZA MODULARITY WITHOUT

UN SOLO MOLTIPLICATORE PER PIÙ CENTRI DI LAVORO
ONE SPINDLE SPEEDER FOR MANY MACHINES

Coni intercambiabili per un utilizzo su più centri di lavoro!!
Interchangeable drive tapers to suit any machine spindle!!



Un Investimento Che
Si Ripaga VeloceMente !!

Quickest Return On Your Investment !!



COMPROMESSI COMPROMISES

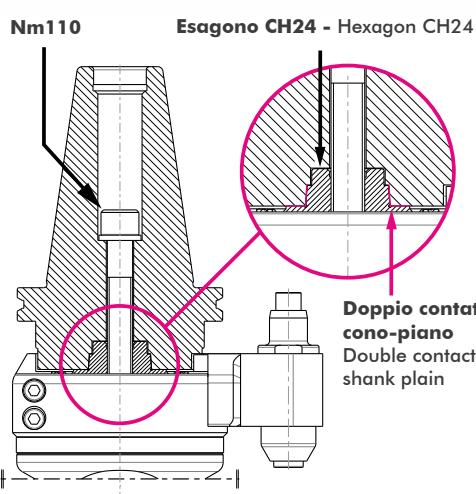
UN SOLO CENTRO DI LAVORO CON PIÙ MOLTIPLICATORI
THE SAME MACHINE WITH MANY SPINDLE SPEEDERS

Lavorare nelle migliori condizioni risparmiando sui costi di acquisto !!
A system to save costs !!



**Una soluzione Aperta per
il lavoro di oggi , pensando
a quello di domani**

Be ready for tomorrow with the
spindle speeders you buy today !!



Perno di posizionamento
modulare intercambiabile a
scelta
Choice of modular interchangeable
arrester pins

**Doppio contatto
cono-piano**
Double contact
shank plain

Il doppio contatto cono e
Piano assicurano rigidità
E precisione !!
The unique gerardi taper and
Face location ensure rigidity
And accuracy !!

Esempi applicativi / Applications examples

Evolution Line

Moltiplicatori di giri

Spindle speeders



GSP 10HS

TYPE 1

36.000 Rpm



GSP 13

TYPE 1

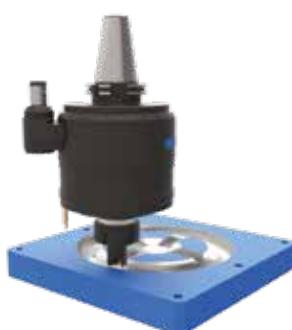
24.000 Rpm



GSP 20

TYPE 2

16.000 Rpm



GSP 34

TYPE 4

10.000 Rpm

SIMBOLOGIA DATI TECNICI

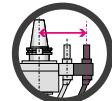
TECHNICAL DATA LOGOS

							
	Rapporto trasmissione Ratio	Numero di giri Revolutions per minute Rpm	Potenza massima Max power Kw	Coppia Torque Nm	Peso Weight Kg	Uscita Output Ø	Pinza Collet Ø

3

INDICE OPZIONI

OPTIONS INDEX

OPZIONI OPTIONS						
PASSAGGIO REFRIGERANTE COOLANT				Attaverso il perno Through the Pin 10bar (standard)	Cono » Utensile Shank » Tool 70bar	Perno » Ghiera » Utensile Pin » Distrib » Tool ReCool NUT
USCITA OUTPUT				ROTAZ. a SECCO DRY RUNNING ✓	ROTAZ. a SECCO DRY RUNNING NO	Uscita WELDON WELDON output

from page 3.11 to 3.16



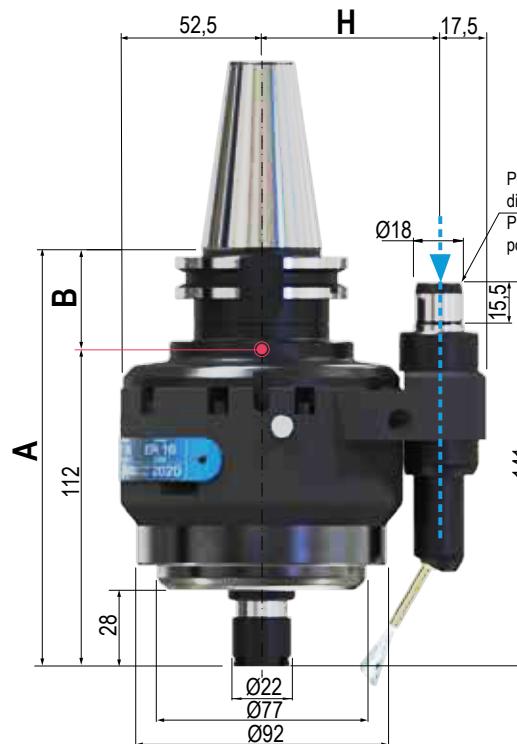
MOLTIPLICATORI DI GIRI - SPINDLE SPEEDERS

GSP NEW PREMIUM EDITION

- Nuovo Profilo
- Revisione di tutti i cuscinetti all'interno e nuovi ingranaggi per tutti modelli
- Rumorosità e vibrazioni ridotte
- Diminuzione temperatura durante le lavorazioni
- Velocità aumentata oltre il 30% sull'intera gamma
- Riserva di grasso interna per miglior lubrificazione ingranaggi
- Possibilità di refrigerazione interna a 70bar sull'intera gamma
- Cuscinetto posteriore a contatto obliquo sull'intera gamma
- Aumento rigidità mandrino di circa il 15%
- Aumento capacità di carico di circa il 25%
- Aumento coppia di trasmissione fino il 240% rispetto ai modelli GSS
- Aumento kW fino al 190% rispetto ai modelli GSS

- New Profile / New Design
- Revision of all internal bearings and new gears for all models
- Reduced noisiness and vibrations
- Reduction of temperature during machining
- Speed increased of +20% for the whole range
- Internal grease reserve for a better gear lubrication.
- 70bar internal coolant option available for the whole range
- Rear contact bearing on the whole range
- Spindle rigidity increased of approx. 15%
- Load capacity increased of approx. 25%
- Nm increased up to 240% compared to GSS types
- kW increased up to 190% compared to GSS types




GSP 10HS

TYPE 1

**NEW
2024**
Dati tecnici - Technical data

	Ratio 1:8		ISO / BT 40 Kg 6 ISO / BT 50 Kg 8,5
	Rpm 36.000 output 4.500 input		Ø 13
	Nm 8		ER16 Ø1/10
			N 242

Coni - Shanks			SK DIN 69871			CAT AaNSI B5.50			BT MAS 403			HSK DIN 69893			C.ISO 26623			KM			ISO DIN 2080			NM TB ANSI 5.18		
Grandezza - Size	30	40	50	40	50	30	40	50	63	80	100	C5	C6	C8	63	80	100	40	50	40	50	40	50			
H	Standard Ø18	65	65	80	65	80	65	65	80	65	80	80	-	80	80	-	-	-	-	-	-	-	-			
	Interasse - Pitch 80 Ø18																									
	Interasse - Pitch 110 Ø18 - 28																									
A	154	154	154	154	154	154	154	154	162	163	163	163	163	158	158	-	-	-	-	-	-	-	-			
B	42	42	42	42	42	42	42	42	50	51	51	51	51	46	46	-	-	-	-	-	-	-	-			

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank Max 70bar - **Dry running NO**

PINZA - COLLET - ER16 HP Ø1/10 (High Precision)

PINZA - COLLET - ER16 WP Ø1/10 (Water Proof)

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

GSP 13

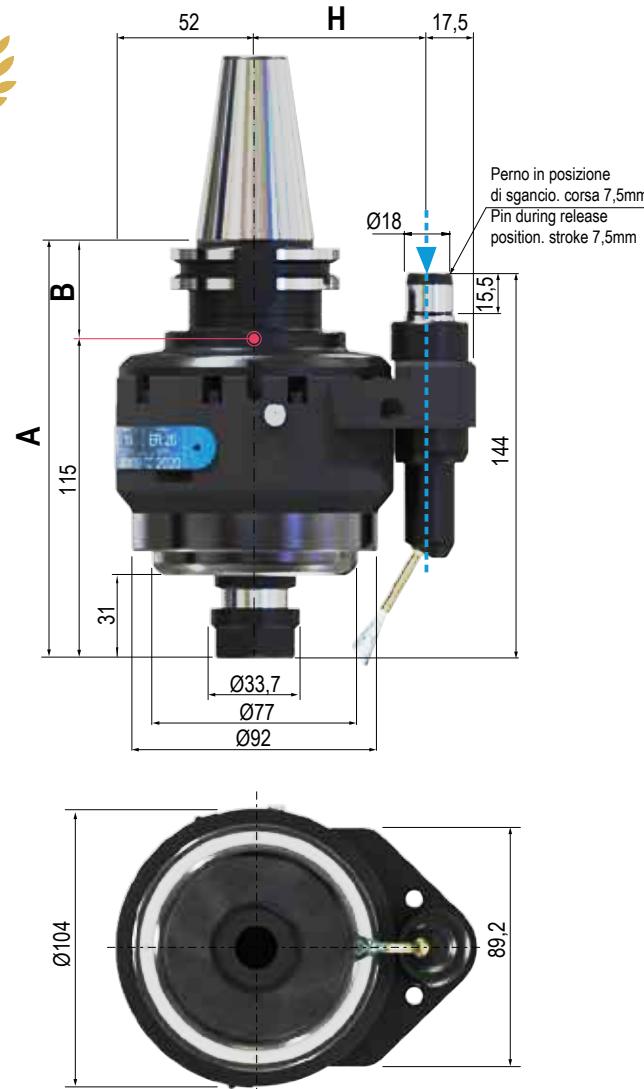
TYPE 1


 NEW
2024


3

Dati tecnici - Technical data

	Ratio 1:8		ISO / BT 40 Kg 6 ISO / BT 50 Kg 8.5
	Rpm 24.000 output 3.000 input		Ø 13
	Nm 9,5		ER20 Ø1/13
			N 276



Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080	NMTB ANSI 5.18
Grandezza - Size	30 40 45 50 40 50 30 40 50 63 80 100 C5 C6 C8 63 80 100 40 50 40 50							
H	Standard Ø18 65 65 80 80 65 80 65 65 80 65 80 80 - 80 80 - - - - - -							
	Interasse - Pitch 80 Ø18							
	Interasse - Pitch 110 Ø18 - 28							
A	157 157 157 157 157 157 157 157 157 166 166 166 166 161 161 - - - - - -							
B	42 42 42 42 42 42 42 42 42 50 51 51 51 51 46 46 - - - - - -							

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

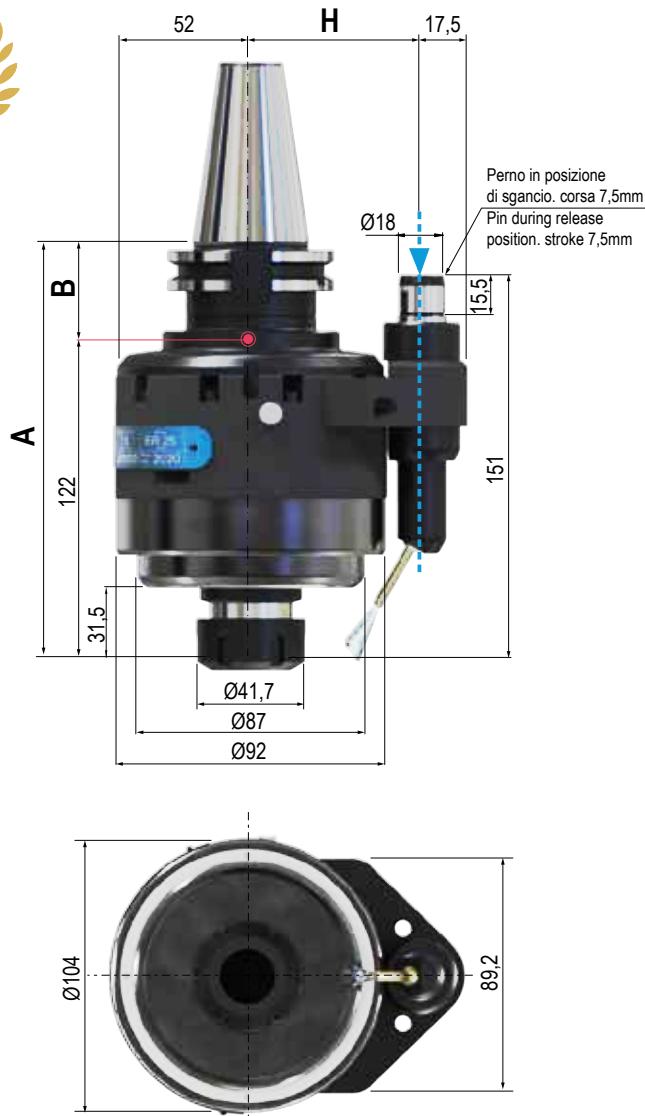
Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank Max 70bar - **Dry running NO**
PINZA - COLLET - ER20 HP Ø1/13 (High Precision)

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin



GSP 16

TYPE 2

**NEW
2024**


Dati tecnici - Technical data

	Ratio 1:6		ISO / BT 40 Kg 6,5 ISO / BT 50 Kg 9
	Rpm 20.000 output 3.333 input		Ø 16
	Nm 16		ER25 Ø1/16
			N 460

Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080		NM TB ANSI 5.18
Grandezza - Size	40	45	50	40	50	40	50	63	80	100	C5	C6	C8	63	80	100
H	Standard Ø18	80	80	80	80	80	80	80	80	80	-	80	80	-	-	-
	Interasse - Pitch 110 Ø18 - 28															
A	164	164	164	164	164	164	172	173	173	173	173	168	168	-	-	-
B	42	42	42	42	42	42	50	51	51	51	51	46	46	-	-	-

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 12Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank Max 70bar - **Dry running NO**
PINZA - COLLET - ER20 HP Ø1/13 (High Precision)

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

GSP 20

TYPE 2


**NEW
2024**

3
Dati tecnici - Technical data

Ratio 1:6

 ISO / BT 40
Kg 9
ISO / BT 50
Kg 11

 Rpm 16.000 output
2.666 input

Ø 20

Nm 23

 ER32
Ø2/20

N 630



Coni - Shanks	SK DIN 69871	CAT AaNSI B5.50	BT MAS 403	HSK DIN 69893	C.ISO 26623	KM	ISO DIN 2080	NMTB ANSI 5.18
Grandezza - Size	40 45 50	40 50	40 50	63 80 100	C5 C6 C8	63 80 100	40 50	40 50
H	Standard Ø18	80 80 80	80 80	80 80	- 80 80	- 80 80	- - -	- - -
H	Interasse - Pitch 110 Ø18 - 28							
A	172,5 172,5 172,5	172,5 172,5	172,5 180,5	181,5 181,5 181,5	181,5 176,5	176,5 -	- - -	- - -
B	42 42 42	42 42	50 51	51 51	51 46	46 -	- -	- -

IMBALLO & PESO - PACK WEIGHT:

Valigetta - Bag 11Kg

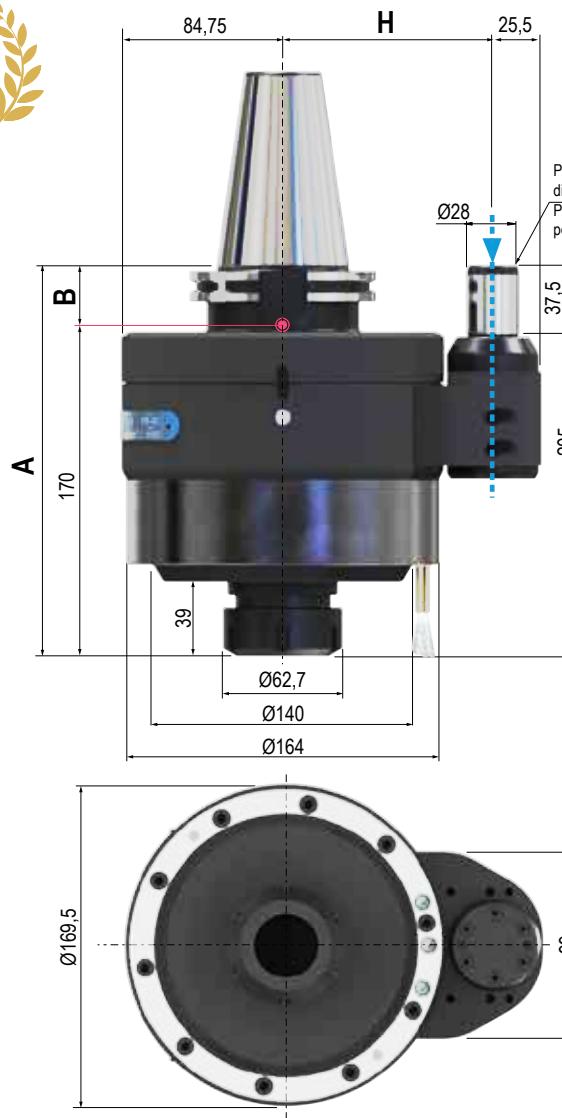

DOTAZIONE STANDARD - STANDARD EQUIPMENT

Valigetta / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Special bag / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
REFRIG - COOLANT - dal Cono - Through Shank Max 70bar - **Dry running NO****PINZA - COLLET** - ER32 HP Ø1/20 (High Precision)**INTERASSE SPECIALE - SPECIAL PITCH** - Cono > Perno - Shank > Pin



GSP 26

TYPE 3

**NEW
2024**


Dati tecnici - Technical data

	Ratio 1:4,2		ISO / BT50 21 Kg
	Rpm 12.000 output 2.857 input		Ø 26
	Nm 47		ER40 Ø3/26
			N 1325

Coni - Shanks		SK DIN 69871		CAT AdNSI B5.50		BT MAS 403		HSK DIN 69893		C.ISO 26623		KM		ISO DIN 2080		NMTB ANSI 5.18
Grandezza - Size	50	60	50	50	50	100			C8		100		50		50	
H	Standard Ø28	110	110	110	110	110			-		-		-		-	
A		205	221	221	221	221			-		-		-		-	
B		35	51	51	51	51			-		-		-		-	

IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 37Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS

REFRIG - COOLANT - dal Cono - Through Shank Max 70bar - Dry running NO

PINZA - COLLET - ER40 HP Ø3/26 (High Precision)

PINZA - COLLET - ER40 WP Ø3/26 (Water Proof)

OUTPUT - Weldon

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

GSP 34

TYPE 4

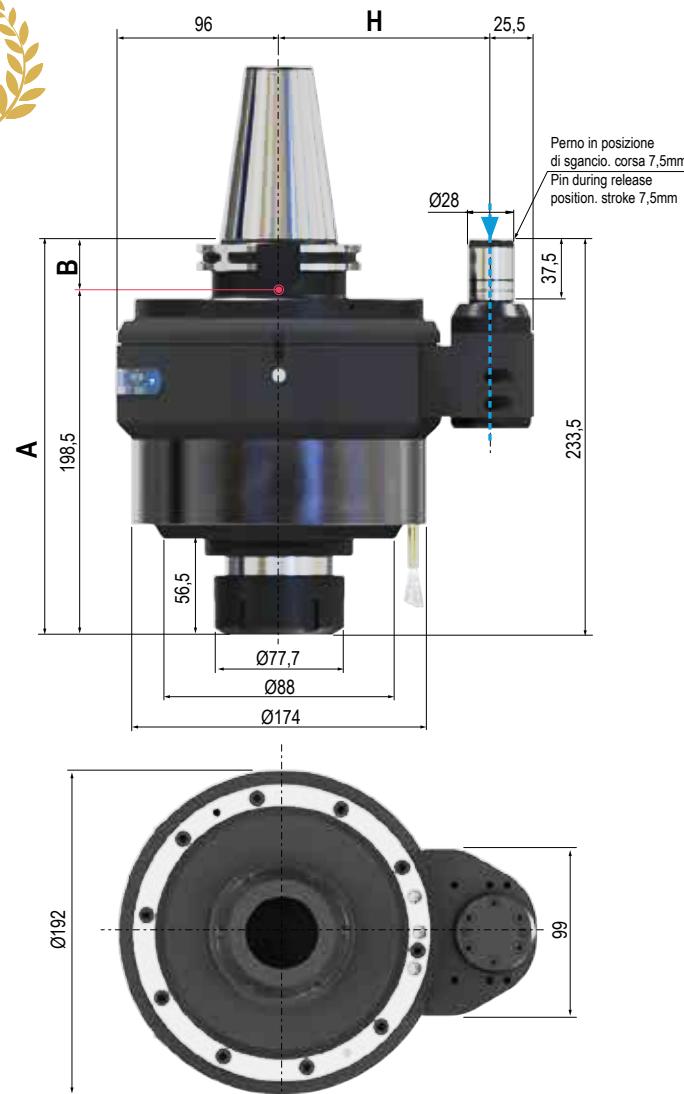

 NEW
2024


3

Dati tecnici - Technical data

	Ratio 1:4		ISO / BT50 27 Kg
	Rpm 10.000 output 2.500 input		Ø 34
	Nm 180		ER50 Ø6/34

N 1470



Coni - Shanks		SK DIN 69871		CAT AaNSI B5.50		BT MAS 403		HSK DIN 69893		C ISO 26623		KM		ISO DIN 2080		NMTB ANSI 5.18
Grandezza - Size	50	60	50	50	50	100			C8		100		50		50	
H	Standard Ø28	125	125	125	125	125			-		-		-		-	
A		233,5	249,5	249,5	249,5	252			-		-		-		-	
B		35	51	51	51	53,5			-		-		-		-	

IMBALLO & PESO - PACK WEIGHT:

Cassa in Legno - Wooden Box 37Kg


DOTAZIONE STANDARD - STANDARD EQUIPMENT

Cassa in Legno / Stop block / Ghiera ER / Chiavi di servizio

Tubetto di grasso / Libro istruzioni

Wooden Box / Stop block / ER nut / Wrenches / Grease tube / Instruction book

OPZIONI - OPTIONS
COOLANT - dal Cono - Through Shank Max 70bar - **Dry running NO**
PINZA - COLLET - ER50 Ø6/34

PINZA - COLLET - ER50 WP Ø6/34 (Water Proof)
OUTPUT - Weldon Ø20

INTERASSE SPECIALE - SPECIAL PITCH - Cono > Perno - Shank > Pin

ISTRUZIONI INSTRUCTIONS

ISTRUZIONI PER UN CORRETTO FUNZIONAMENTO:

Si raccomanda ad ogni avvio di far girare il moltiplicatore di giri alcuni minuti ad 1/3 della sua velocità massima di utilizzo, dopodiché è possibile aumentare fino alla velocità massima indicata a catalogo che potrà essere mantenuta in modo continuativo.

È importante che venga rispettato il limite coppia massima (Nm), oltre che il numero di giri.

Si consiglia l'utilizzo di un sistema di lubrificazione MICRO-NEBBIA* in caso di utilizzo continuativo (oltre le 4 ore).

ATTENZIONE: in caso di materiali molto tenaci, il parametro di riferimento, per utilizzo in continuo, è la coppia massima disponibile. (Molto limitata nei moltiplicatori di giri).

RACCOMANDAZIONI

Il moltiplicatore di giri è un ottima soluzione per lavorazioni di foratura, ma non può raggiungere le prestazioni di elettromandini dal costo decisamente più elevato. La differenza sostanziale sta nel fatto che l'elettromandrino è un motore diretto mentre, il GSS è ad ingranaggi che possono trasmettere vibrazioni a discapito della finitura.

IN ORDER TO GUARANTEE THE PROPER SPINDLE SPEEDERS WORK:

We recommend to make it run every new start for few minutes at 1/3 (one third) of its Max Rpm then you can go at max speed as indicated on the catalogue which can be kept continuously if used as the torque indicated on the catalogue.

It is important that the Max. torque limit is respected (Nm), as well as Rpm of course.

For continuous use (over 4 hours) the recommended solution is the MICRO-FOG lubricator*.

ATTENTION: in case of very strong materials the limit could be the Max torque available (as spindle speeders have a very limited torque).

RECOMMENDATIONS

The spindle speeder is an excellent solution for drilling operations, but it can not achieve the performance of electrospindles which have a much higher cost. There is a significant difference: the electrospindles is a direct motor. On the contrary, the GSS has a gear system, which may imply some vibrations, producing possible damages to the finishing.



* Si consiglia di sottoporre l'applicazione in continuo (oltre 4 ore) al nostro ufficio tecnico
Check the use in continuous application (over 4 hours) with our Technical Department

IMPIANTO MICRONEBBIA

MICROFOG SYSTEM

Indicazioni d'impiego

Questo impianto è stato appositamente studiato da Gerardi, per la lubrificazione dei propri prodotti.

L'utilizzo è consigliato in tutte quelle applicazioni che prevedono usi intensivi o gravosi dei prodotti stessi, ad esempio:

- Tempi di lavoro superiori alle 4h in continuo.

- Elevati n° di giri

- Necessità di eliminare i fermi macchina per la sostituzione del lubrificante.

L'apporto continuo di lubrificante "pulito" ed aria all'interno del moltiplicatore di giri, aumentano la durata dei componenti meccanici in rotazione e contribuiscono a diminuirne il riscaldamento.

Use informations:

This system has been purposely set up from Gerardi, to lubricate our products.

To use is suggested for intensive or heavy working conditions of our products, eg:

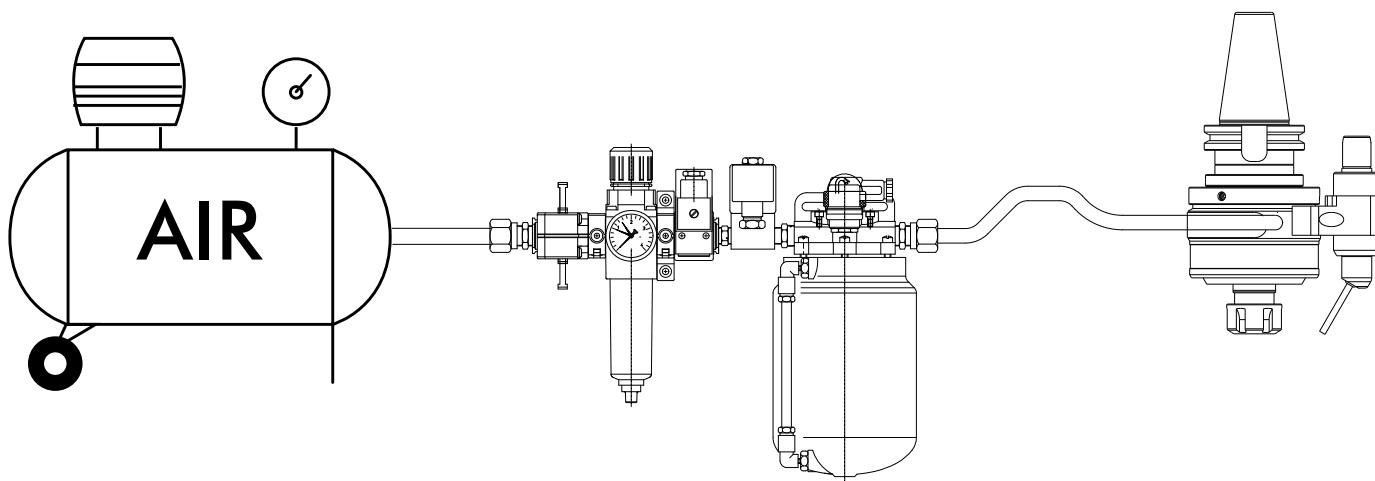
- Daily work up to 8h

- High n° turns per minute

- Eliminate the machine stops to substitute the lubricant.

The "clean" lubricant and air non-stop flow inside the spindle speeder increase the mechanical components life and reduce the heating.

3



Caratteristiche tecniche

Technical features

Fluido Flow	Air
Pressione Max Max pressure	10 bar
Pressione d'esercizio Service pressure	0,5 - 4 bar
Connessione tubi Pipe connectors	3/8 gas
Capacità serbatoio olio Oil tank capacity	1 lt
Tipo olio Oil tank	ISO VG 32
Capacità di lubrificazione Lubrication capacity	Max.2 Spindle Speeders

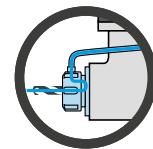
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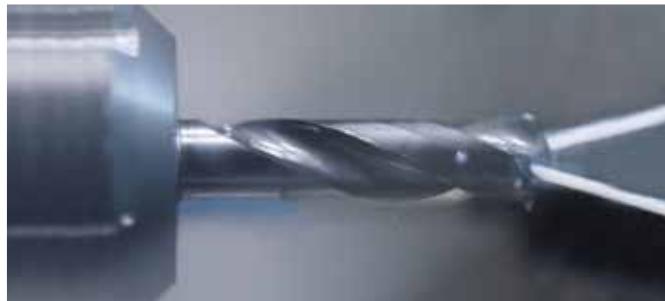
RE COOL NUTS

**NEW
2024**

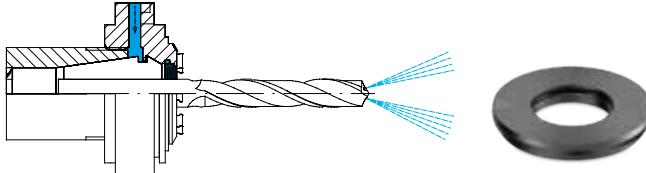


DISCHETTI A TENUTA STAGNA PER GHIERE - SEALING DISKS FOR NUTS

REFRIGERAZIONE INTERNA - INTERNAL COOLANT



DISCHETTO A TENUTA STAGNA - SEALING DISK **GDS**

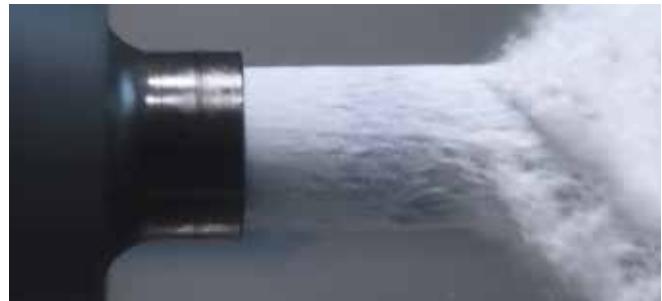


CARATTERISTICHE PRINCIPALI - KEY FEATURES

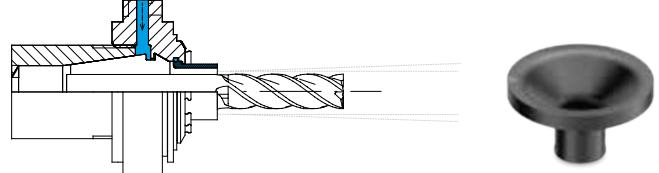
- Facile aggiunta della lubrorefrigerazione interna con Ghiera ReCool, con il dischetto a tenuta stagna GDS
- Precisa refrigerazione del tagliente e migliore asportazione di truciolo
- Ideale soprattutto per elevate profondità
- Lubrificazione e refrigerazione del tagliente
- Ottima finitura superficiale

- Achieve internal cooling with ReCool nuts and the use of our sealing disk GDS
- Precise cooling at the cutting edge and improved chip removal
- Particularly suitable for deep cavities
- Lubrication of cutting edge and cooling
- Best surface quality

REFRIGERAZIONE PERIFERICA - PERIPHERAL COOLANT



DISCHETTO PER REFREGRERAZIONE - FLUSH DISK **GKS**



CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione periferica con Ghiera ReCool, con il dischetto per refrigerazione GKS
- Applicabile su teste e motorizzati con refrigerante interno con apposita ghiera STDC - MINIC - AXC
- Lubrorefrigerante lungo l'utensile fino al tagliente
- Ideale per profondità medie

- Achieve peripheral cooling with ReCool nuts and the use of our coolant flush disk GKS
- Applicable on Angle Heads and Driven Tools with internal coolant through suitable nut STDC - MINIC - AXC
- Coolant is fed along the side of the tool to the cutting edge
- Can be used for moderate cavities

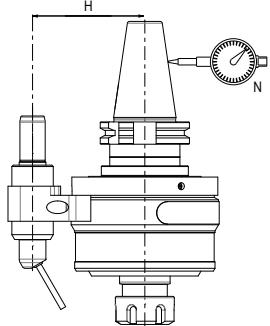
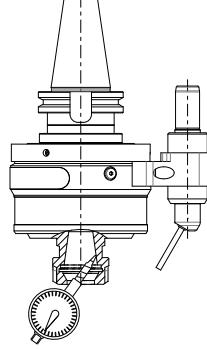
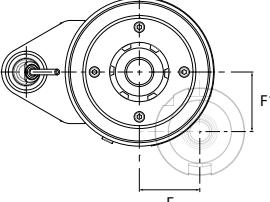


**APPLICAZIONE RAPIDA E FACILE DELLA REFREGRERAZIONE INTERNA DALL'ESTERNO
REASONABLE, FAST AND EASY CONVERSION TO INTERNAL COOLING**

ESEMPIO SCHEDA DI COLLAUDO

INSPECTION SHEET EXAMPLE

Tipo - Type	GSS-16
Codice - Code	9.GS.S1600
Numeros seriale - Serial number	034856
Attacco cono - Input shank	BT50 - H=110
Note speciali - Special notes	

TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error	TIPO DI CONTROLLO Test type	RAFFIGURAZIONE Drawing	ERRORE Error
<p>Concentricità tra cono e asse principale. Interasse cono-perno di posizionamento.</p> <p>Concentricity between shank and main axis. Pitch shank-positioning pin.</p>		<p>Ammesso Allowed $H = \pm 0,01$ $N = \pm 0,02$</p> <p>Rilevato Checked $H = -0,008$</p> <p>$N = 0,014$</p>	<p>Oscillazione mandrino porta utensile.</p> <p>Runout in cutter spindle.</p>		<p>Ammesso Allowed 0,010</p> <p>Rilevato Checked $0,004$</p>
<p>Disassamento tra gli assi principali.</p> <p>Offset between main axis</p>		<p>Ammesso Allowed $F = \pm 0,02$ $F1 = \pm 0,02$</p> <p>Rilevato Checked $F = 0,010$</p> <p>$F1 = 0,006$</p>			

RODAGGIO TESTA - RUN-IN

RPM in entrata RPM	Durata Time	Temperatura Ambiente Room Temperature	Temperatura Sonda Sensor Temperature	Note Notes
500	00:40:00	28°	39,5°	
1000	00:17:00		47°	
1500	00:17:00		55°	
2000	00:59:00		47,5°	
2500	1:10:00		53°	

Revisioni - Revisions	Timbro - Stamp	Data - Date
		Firma - Signature

GRUPPO ANTIROTANTE - GRUPPO PERNO ANTIROTATION GROUP - PIN GROUP



MOLTIPLICATORE DI GIRI SPINDLE SPEEDERS		GRUPPO CONO SHANK GROUP		GRUPPO PERNO PIN GROUP		PERNO DI SGANCIO RELEASE PIN					
MODELLO MODEL	TIPO TYPE	Code		MODELLO MODEL	Code	P		Code	P	L	
GSP-10 HS GSP-13 GSP-16	1	9.SK30.GSP		SK DIN 69871	9.GPG.101C_i65	Ø18		9.GS18.P175	Ø18		
		9.SK40.GSP		9.GPG.101C_i80			9.GS18.P175				
		9.SK50.GSP		9.GPG.101C_110			9.GS18.P175				
		9.CT40.GSP		9.GPG.102C_110	Ø28		9.GS28.P175	Ø28			
		9.CT50.GSP		CAT ANSI B5.50	9.GPG.131C_i65			9.GS18.P175	Ø18		
		9.BT30.GSP			9.GPG.131C_i80		Ø18	9.GS18.P175			
		9.BT40.GSP			9.GPG.131C_110			9.GS18.P175			
		9.BT50.GSP			9.GPG.132C_110		Ø28	9.GS28.P175		Ø28	
		9.HSK63.GSP		ISO DIN 2080	9.GPG.161C_i80	Ø18		9.GS18.P175	Ø18		
		9.HSK80.GSP			9.GPG.161C_110			9.GS18.P175			
		9.HSK100.GSP			9.GPG.162C_110		Ø28	9.GS28.P175		Ø28	
		9.C5.GSP									
		9.C6.GSP		HSK DIN 69893					Ø18		
		9.C8.GSP									
		9.KM63.GSP									
		9.KM80.GSP									
GSP-20	2	9.KM100.GSP		C. ISO 26623	9.GPG.201C_i80	Ø18		9.GS18.P185	Ø18		
		9.208040.GSP			9.GPG.201C_110			9.GS18.P260			
		9.208050.GSP			9.GPG.202C_110		Ø28	9.GS28.P260		Ø28	
		9.SK50.GSP			9.GPG.262C_110		Ø28	9.GS28.P275		Ø28	
		9.CT50.GSP		C5/C6/C8	9.GPG.342C_125	Ø28			27,5		
		9.BT50.GSP									
		9.HSK80.GSP									
		9.HSK100.GSP									
GSP-26 GSP-34	3	9.C6.GSP		KM					26		
		9.C8.GSP									
		9.KM80.GSP									
		9.KM100.GSP									
		9.208050.GSP									
ALBERO-CONO INTEGRALE INTEGRAL SHANK AND SHAFT											

ATTENZIONE: Sui moltiplicatori è sconsigliabile effettuare il cambio di interasse "H"
ATTENTION: On spindle speeders it is not suggested to change pitch dimension "H"

PERNO SPECIALE:
SPECIAL PIN:

ESEMPIO di MONTAGGIO MOUNTING EXAMPLE

PER UN CORRETTO ORDINE VERIFICARE L'IDONEITÀ DEL PERO DI POSIZIONAMENTO
FOR A RIGHT PURCHASE ORDER CHECK THE POSITIONING PIN SUITABILITY

1) STOP-BLOCK GIÀ PRESENTE SUL MANDRINO MACCHINA

- Per Stop-block Gerardi è sufficiente indicare il tipo di testa, interasse H, diametro perno ed altezza perno
- In caso di Stop-block NON Gerardi, inviateci il disegno del suddetto e del mandrino macchina per determinare il perno. Se possibile si consiglia di smontare lo stop block presente e di utilizzare il nostro standard.

STOP-BLOCK ALREADY MOUNTED ON THE MACHINE SPINDLE

- For Gerardi items, please indicate the type of Angle Head, the H dimension, the pin diameter and height.
- For non-Gerardi items, please send us the stop-block and the machine spindle drawings in order to design the right pin. If possible, we suggest you to use Gerardi standard stop block, taking off the one already placed on the machine.

2) NESSUNO STOP-BLOCK MONTATO SUL MANDRINO MACCHINA

Rilevare la quota X sul mandrino della macchina e mediante la seguente formula calcolare lo spessore del distanziale. In caso di spessori inferiori a 8 mm è possibile richiedere un apposito stop-block con base lavorabile (Pag. 3.25)

NO STOP-BLOCK MOUNTED ON THE MACHINE SPINDLE

Please check the X dimension on the machine spindle and calculate the width of the spacer through the following formula. In case of widths of less than 8 mm, a special stop block with machineable base can be ordered (Pag. 3.25)

$$S=X+B-35$$

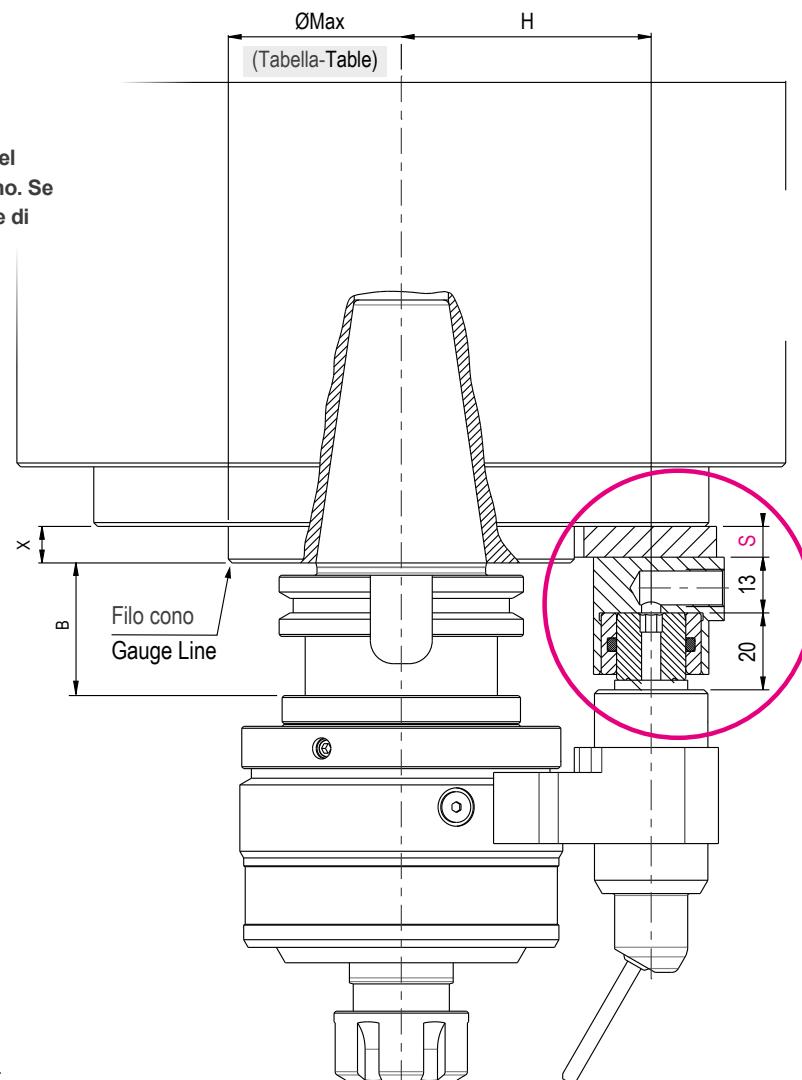
$$S=X+B-38,5$$

Se sei in possesso di una testa angolare con perno Ø18

If you have an Angle Head with pin Ø18

Se sei in possesso di una testa angolare con perno Ø28

If you have an Angle Head with pin Ø28



X	B
12mm	35mm (SK40)

$$S= X (12) + B (35) - 35 = 12$$

Esempio di calcolo spessore distanziale

Example of calculation for spacer thickness

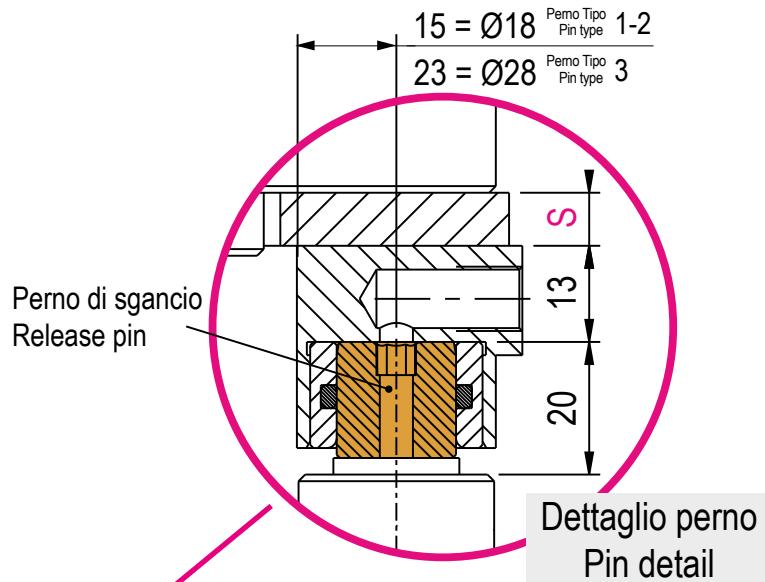
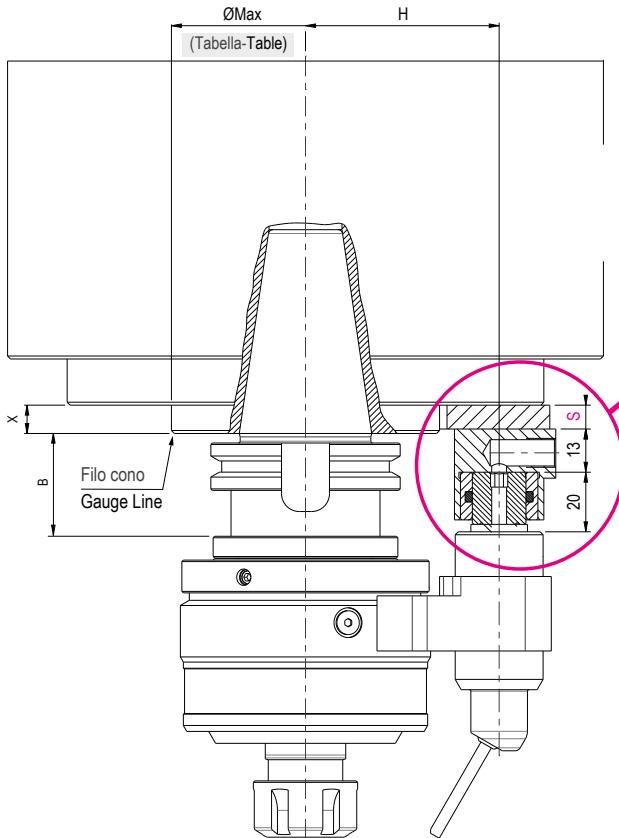
ESEMPIO di MONTAGGIO MOUNTING EXAMPLE

PER UN CORRETTO ORDINE VERIFICARE L'IDONEITA' DELL'INTERASSE "H"
 FOR A RIGHT PURCHASE ORDER CHECK PITCH "H" SUITABILITY

Verificare l'idoneità dell'interasse "H" tramite tabella - Check pitch "H" through table

TABELLA
TABLE

PERNO PIN	"H" INTERASSE - PITCH	\varnothing MAX
$\varnothing 18$	65	99
	80	129
	110	189
$\varnothing 28$	110	172



ATTENZIONE - ATTENTION

Il distanziale per il posizionamento dello stop-block, deve essere realizzato di uno spessore tale da comprimere il perno di sgancio NON per l'intera corsa, ma in modo da lasciare sempre 1mm di gioco.

I calcoli della pagina precedente sono già fatti in tal senso.

The spacer for the stop-block must be done in order to push the release pin NOT for the whole stroke release, but leaving always 1mm play. Previous page calculations are already considering this issue.

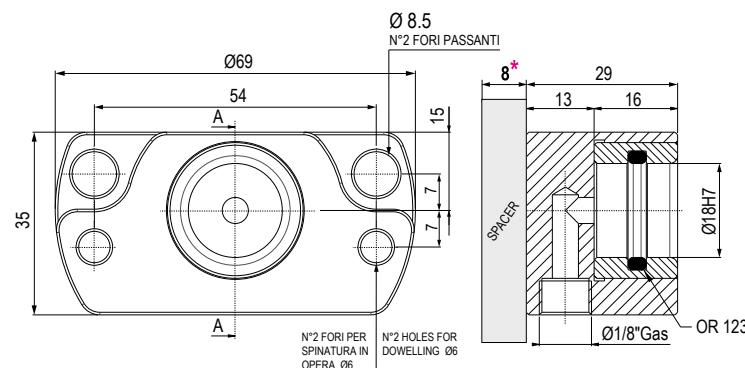
STOP-BLOCK Standard



Ø18

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.18	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2	



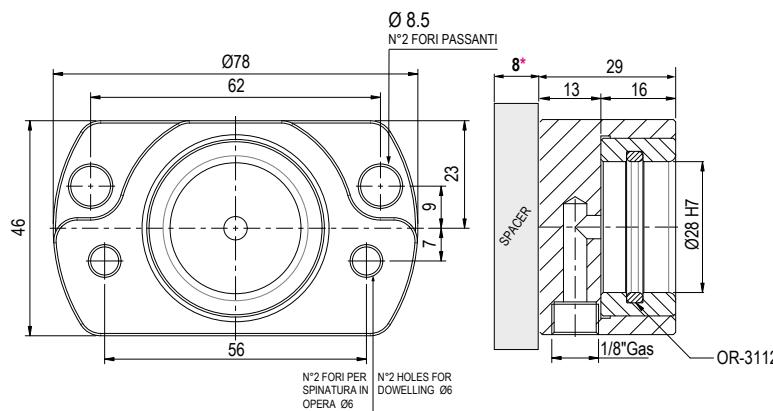
3

Ø28



Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.28	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2	



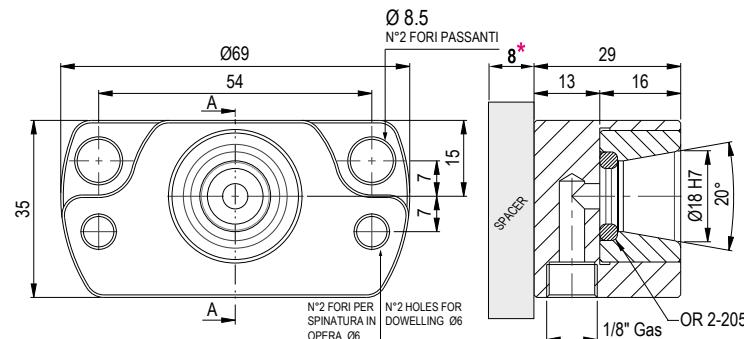
STOP-BLOCK Conico - Conical



Ø18

Con bussola temprata - with hardened bushing

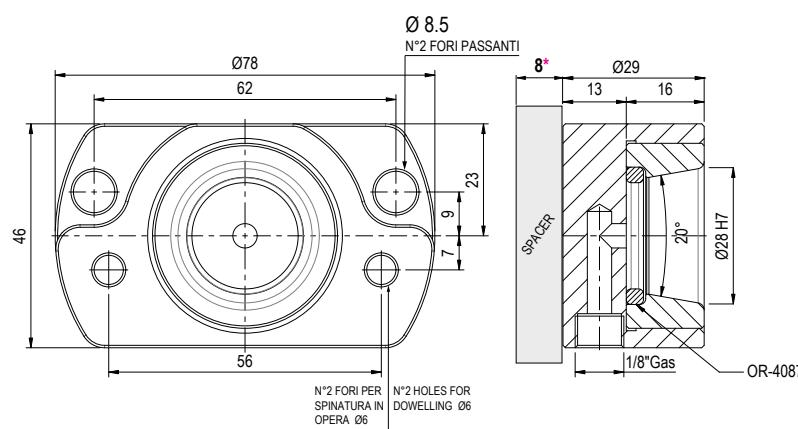
STOP BLOCK Code	
9.INDEX.18C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	



Ø28

Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.INDEX.28C	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	



* Misura minima per distanziale sotto la quale è necessario utilizzare lo stop-block lavorabile
 Specer minimum dimension under this dimension it is necessary to use the machineable stop-block

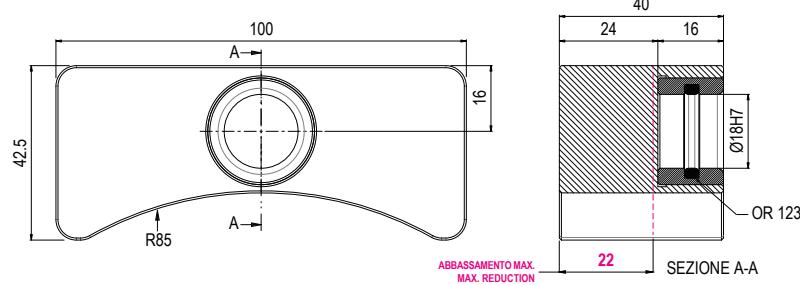
STOP-BLOCK Lavorabile** - Machineable**

Ø18



Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G18.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2	

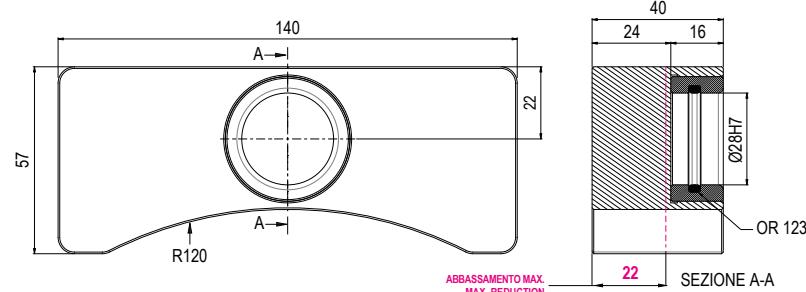


Ø28



Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEX	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2	



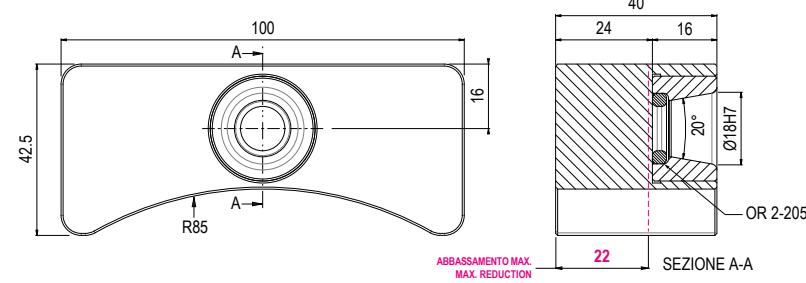
STOP-BLOCK Lavorabile conico** - Conic machineable**

Ø18



Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G18.INDEXC	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G18.INDEX.2C	

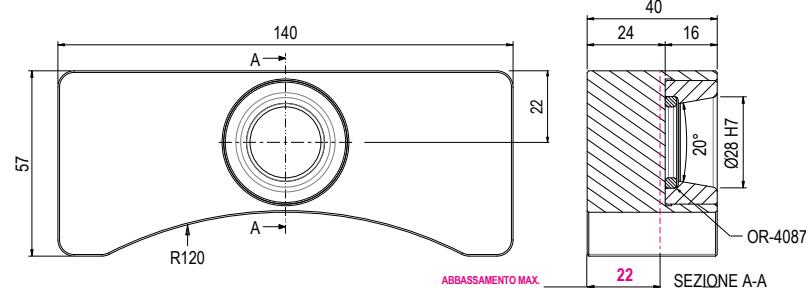


Ø28



Con bussola temprata - with hardened bushing

STOP BLOCK Code	
9.G28.INDEXC	
NO STOP BLOCK INCLUDED	
BUSHING Code	
9.G28.INDEX.2C	



** A richiesta - On request

PINZE HP - COLLETS HP HIGH PRECISION ER-HP COLLETS



PRECISIONE - RUN OUT

 $\leq 0,005$

Foratura-fresatura / drilling-milling

MODELLO MODEL	PINZA COLLET	\varnothing	Code	
GSP - 10 HS	ER16 HP	$\varnothing 1 / 10$	9.ER.16HP0/...	
GSP - 10 HS OPTION 70BAR	ER16 WP	$\varnothing 1 / 10$	9.ER.16WP0/...	
GSP - 13	ER20 HP	$\varnothing 1 / 13$	9.ER.20HP0/...	
GSP - 16	ER25 HP	$\varnothing 1 / 16$	9.ER.25HP0/..	
GSP - 20	ER32 HP	$\varnothing 2 / 20$	9.ER.32HP0/...	
GSP - 26	ER40 HP	$\varnothing 3 / 26$	9.ER.40HP0/...	
GSP - 26 OPTION 70BAR	ER40 WP	$\varnothing 3 / 26$	9.ER.40WP0/...	
GSP - 34	ER50 HP	$\varnothing 6 / 34$	9.ER.50HP0/...	
GSP - 34 OPTION 70BAR	ER50 WP	$\varnothing 6 / 34$	9.ER.50WP0/...	

Esempio di ordinazione: ER25 - HP \varnothing 10=9.ER.25HP0/10 - Example to order: ER25 - HP \varnothing 10=9.ER.25HP0/10

WP= Resistenza all'acqua - WP= Waterproof

GHIERE BILANCIATE BALANCED NUTS

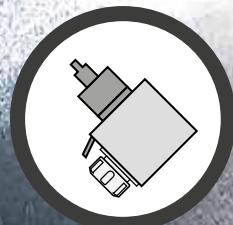


CHIAVI - WRENCHES



MODELLO MODEL	TIPO GHIERA NUTS TYPE	Code	COPPIA SERRAGGIO CLAMPING FORCE (Nm)	
GSP - 10 - MX	ER16 MX	9.ER.160MX	24 (30)	
GSP - 13	ER20 STD	9.ER.20STD_GDT	28 (35)	
GSP - 16	ER25 STD	9.ER.25STD	32 (40)	
GSP - 20	ER32 STD	9.ER.32STD	136 (70)	
GSP - 26 / 70BAR	ER40 STD	9.ER.40STD	176 (220)	
GSP - 34 / 70BAR	ER50 STD	9.ER.50STD	240 (300)	

CHIAVI WRENCHES	Code	
CH-16 MX	9.CH.160MX	
CH-22 ES	9.CH.220ES	
CH-27 ES	9.CH.270ES	
CH-20 STD	9.CH.20STD	
CH-36 ES	9.CH.360ES	
CH-25 STD	9.CH.25STD	
CH-32 STD	9.CH.32STD	
CH-40 ES	9.CH.400ES	
CH-40 STD	9.CH.40STD	
CH-52 ES	9.CH.520ES	
CH-50 STD	9.CH.50STD	
CH-65 ES	9.CH.650ES	



- DIN5480
- DIN5482
- BARUFFALDI
- DIN1809



4

*Choose the right model
for your Machinings!*

VDI DRIVEN TOOLS

Portautensili motorizzati / Driven Tools

INDICE - INDEX

VDI - DRIVEN TOOLS

	pages
DIN5480	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
ASSIALE PORTA FRESA AXIAL SHELL END MILLING CUTTER	
ASSIALE PORTA WELDON AXIAL WELDON CHUCK	
RADIALE PORTA PINZA RADIAL COLLET CHUCK	
RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER	from 4.11 to 4.20
RADIALE PORTA WELDON RADIAL WELDON CHUCK	
ARRETRATO PORTA PINZA REAR OFFSET COLLET CHUCK	
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK	
DISASSATO PORTAPINZA OFFSET AXIS COLLET CHUCK	
DISASSATO PORTA FRESA OFFSET AXIS SHELL END MILLING CUTTER	
ORIENTABILE ±90° ADJUSTABLE ±90°	
DIN5482	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
ASSIALE PORTA FRESA AXIAL SHELL END MILLING CUTTER	
RADIALE PORTA PINZA RADIAL COLLET CHUCK	from 4.21 to 4.28
RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER	
ARRETRATO PORTA PINZA REAR OFFSET COLLET CHUCK	
ARRETRATO PORTA FRESA REAR OFFSET SHELL END MILLING CUTTER	
ORIENTABILE ±90° ADJUSTABLE ±90°	

INDICE - INDEX

VDI - DRIVEN TOOLS

	pages
BARUFFALDI	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
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RADIALE PORTA PINZA RADIAL COLLET CHUCK	
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ARRETRATO PORTA PINZA REAR OFFSET COLLET CHUCK	
ARRETRATO PORTA FRESA REAR OFFSET SHELL END MILLING CUTTER	
RADIALE DOPPIO PORTA PINZA DOUBLE RADIAL COLLET CHUCK	
ORIENTABILE ±90° ADJUSTABLE ±90°	
DIN1809	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
RADIALE PORTA PINZA RADIAL COLLET CHUCK	from 4.39 to 4.44
ARRETRATO PORTA PINZA REAR OFFSET COLLET CHUCK	
ORIENTABILE ±90° ADJUSTABLE ±90°	



PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



by configurator

Un nuovo modo facile e veloce per ordinare la tua attrezzatura Gerardì

Il nuovo Gerardì estore offre la possibilità di visualizzare e ordinare qualsiasi articolo Gerardì appartenente alle categorie Workholding o Tooling presente sui nostri listini in modo semplice, veloce e completo. Da ora puoi ordinare la morsa, la testa angolare o il motorizzato che ti interessa direttamente on-line dal nostro estore senza costi aggiuntivi.

A new quick and easy way to order your equipment branded Gerardì.

The new Gerardì estore offers the ability to view and order any item available on our Workholding and Tooling catalogues with the easiest, fastest and comprehensive way. You can now order the vise, angle head or driven tool of your interest directly online from our store without any additional cost.



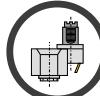
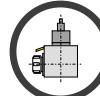
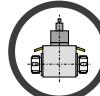
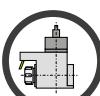
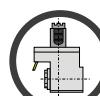
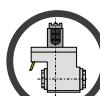
WINDOWS / IOS



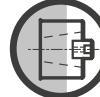
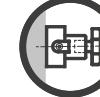
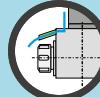
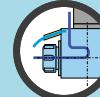
ANDROID / IPHONE



SIMBOLI TIPOLOGIE MOTORIZZATI DRIVEN TOOLS DESIGN LOGOS

							
Assiale Axial	Assiale doppio Double Axial	Disassato Offset Axis	Disassato Doppio Double Offset Axis	Radiale Radial	Radiale Doppio Double Radial	Radiale 4 Uscite Radial 4 Outputs	Radiale 8 Uscite Radial 8 Outputs
							
Radiale Rovesciato Radial Upside Down	Arretrato Rear Offset	Arretrato Doppio Double Rear Offset	Orientabile ±90° Adjustable ±90°	Portacreatore Driven Gear Hobber			

SIMBOLOGIA DATI TECNICI TECHNICAL DATA LOGOS

USCITA OUTPUT						
PASSAGGIO REFRIGERANTE COOLANT						
				Refrigerante Esterno External Coolant	Refrigerante Interno Internal Coolant	Refrigerante Interno Internal Coolant
				20/25/80 100bar	20/25/80 100bar	ReCool NUT
USCITA OUTPUT						
			Rapporto Ratio	Rotazione uguale al mandrino Rotation same as machine spindle	Rotazione opposta al mandrino Rotation opposite as machine spindle	Rotaz. uguale ed op- posta al mandrino Rotation same & opposite as machine spindle

Portautensili Motorizzati / Driven Tools

VDI

Portautensili Motorizzati per torni CNC

Driven Tools for CNC lathes



Velocità / High-speed
Max 24.000 Rpm



Internal coolant
fino a / Up to
100 Bar

USCITE MULTIPLE MULTIPLE OUTPUTS

Tutti i motorizzati, ad esclusione di quelli ad angolo variabile, possono essere forniti con doppia pinza contrapposta anche di pari grandezza. Sono stati realizzati per i modelli di tornio più recenti anche motorizzati assiali con doppia / tripla uscita frontale e radiali doppia uscita frontale.

All the driven tools, with the exception of those with adjustable angle, can be supplied with double or multiple output even of the same dimension. Multiple outputs can be opposite or with the same direction.



Trattamento Corpo Main Body Treated

Trattamento protettivo anti-ossidante del corpo
Specially treated corrosion resistant steel body



Maschiatura Tapping

Per le operazioni di maschiatura, tutti i nostri motorizzati possono utilizzare pinze compensate ET-1 perfettamente intercambiabili con le normali pinze secondo norma DIN 6499. Esse consentono una compensazione assiale da 7 a 13 mm a seconda della grandezza per recuperare eventuali errori di avanzamento e per l'inversione della rotazione.

For tapping operations all driven tools can be equipped with axially compensated collets ET-1 interchangeable with the standard ER collets according the international standard DIN 6499. They allow the tap an axial compensation from 7 to 13 mm according to their size in order to compensate any feed error and the inversion of the rotation of direction.



Cuscinetti Ball Bearings

Cuscinetti di precisione a contatto obliquo, precaricati e lubrificati con grasso a vita.

Preloaded angular contact ball bearings precision and long life lubrication.



Ingranaggi Gleason Gleason Spiral bevel gears

Coppia conica di ingranaggi spirodiali Gleason con evolvente rettificato ottimizzato

Gleason spiral bevel gears with completely ground involute form

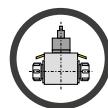
4 ALTA VELOCITÀ RATIO 1:4 HIGH SPEED RATIO 1:4

(Opzione di moltiplica del numero di giri dalla torretta del tornio da 2 a 4 volte). Su richiesta, quasi tutti i modelli di motorizzati sono fornibili con velocità di rotazione fino a 24.000 Rpm. Questa soluzione permette di adeguare il numero di giri della torretta alle velocità di taglio delle nuove tipologie di utensili in commercio. Il sistema epicicloidale (interno) consente di mantenere inalterate le dimensioni di ingombro dei vari modelli, senza quindi penalizzare in alcun modo la funzionalità della macchina.

N.B: I motorizzati standard con rapporto 1:1 hanno regime di rotazione Max. 6.000 Rpm

All the driven tools types are available with speed until 24.000 Rpm. There is also the possibility of speed increaser from 2 to 4 times thus adapting the Rpm of the turret drive to the speed of today's cutting tools. The epicyclic speed increaser system (a system of satellite gears) is self contained in the standard head overall dimensions and guarantees the same standards of quality and reliability.

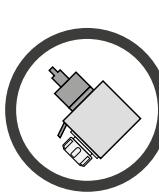
Attention: The standard rotary tools with 1:1 ratio have a Max Speed of 6.000Rpm



Radiale Doppio
Double Radial

I portautensili motorizzati per centri di tornitura a controllo numerico consentono di eseguire lavorazioni di fresatura, foratura e maschiatura sul tornio stesso e senza ulteriori piazzamenti. Anche in questo caso Gerardi propone un'ampia gamma di modelli, adatti ad attrezzare i torni e le torrette motorizzate dei maggiori costruttori di torni a livello mondiale con un rapporto qualità/prezzo insuperabile. I portautensili motorizzati VDI 69880 sono costituiti da un albero dentato che per il montaggio viene inserito nella sede sulla faccia della torretta accoppiandosi perfettamente. Stringendo l'apposita vite di bloccaggio situata sulla faccia della torretta il motorizzato resta saldamente in posizione garantendo un ottima rigidità durante le lavorazioni.

Driven tools for CNC turning centres allows milling, drilling and tapping operations on the lathes without additional parts handling. Also in this case Gerardi can supply a wide range of types in order to equip the CNC lathes and turrets of the most popular builders on the market with an unbeatable price/quality ratio. VDI 69880 Driven Tools consists of a toothed shaft that is inserted into the housing on the turret face for assembly, perfectly matching. By tightening the clamping screw located on the turret face, the motorised tool holder remains firmly in position, ensuring optimum rigidity during machining.

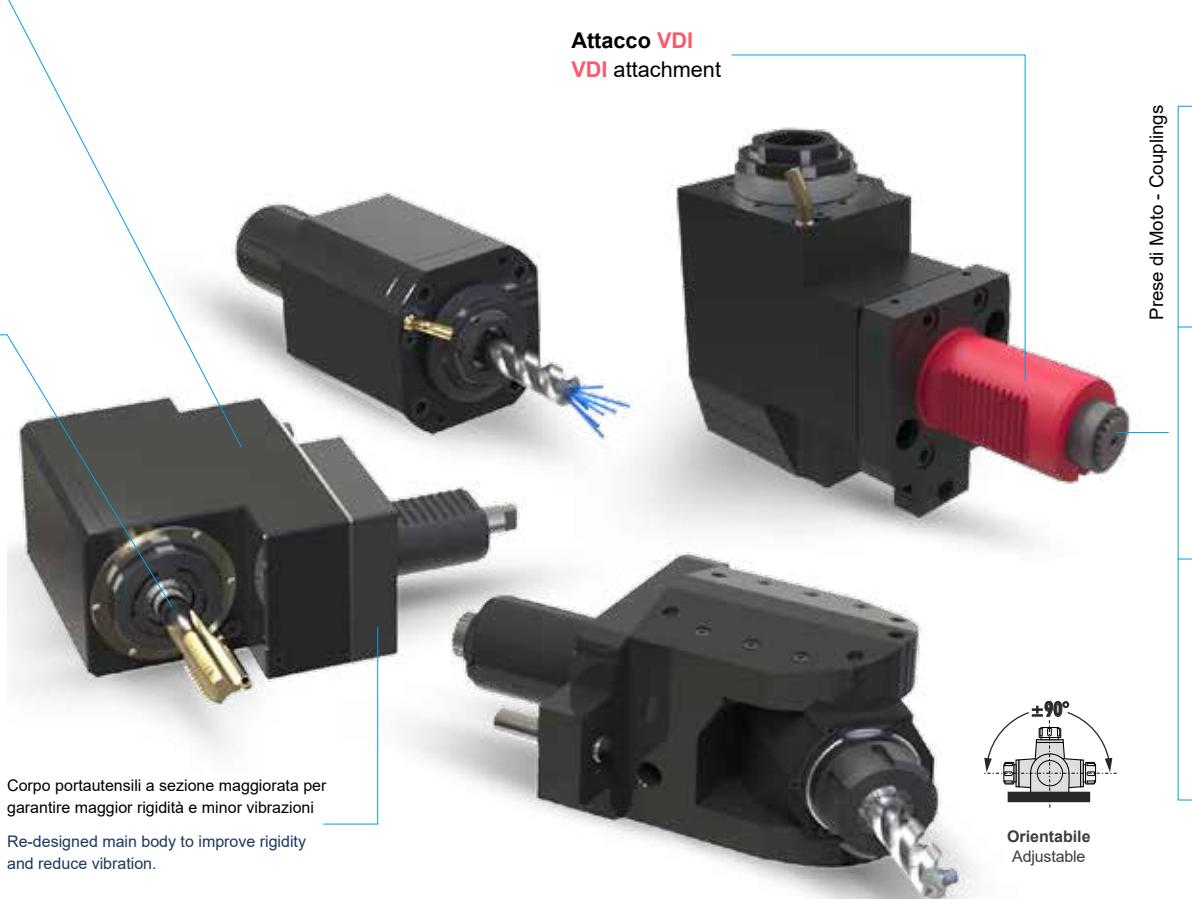


SCAN IT TO SEE
THE WEB PAGE



*Scegli il modello più adatto
alla tua lavorazione!*

*Choose the right model
to have the best machining!*



PASSAGGIO REFRIGERANTE - COOLANT TYPES:



Esterno External

- » Mandrino Macchina
- » Corpo Motorizzato
- » Ugello
- » Machine Spindle
- » Driven Tool Body
- » Coolant Pipe



Interno Internal

- » Mandrino Macchina
- » Corpo Motorizzato
- » Distributore
- » Utensile
- » Machine Spindle
- » Driven Tool Body
- » Rotating Distributor
- » Tool

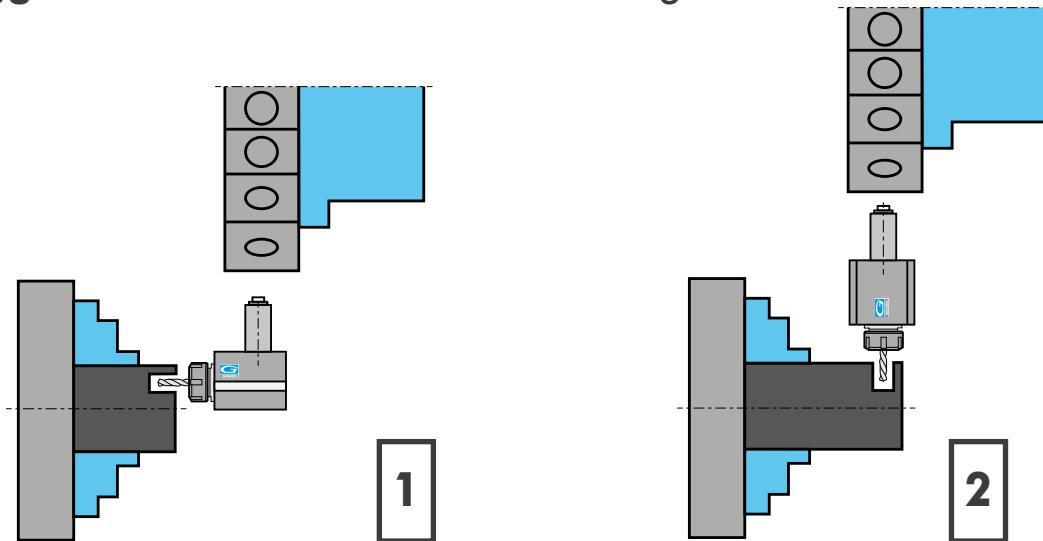


Re-Cool Nut Ghiera Re-Cool

- » Mandrino Macchina
- » Corpo Motorizzato
- » Ghiera Re-Cool
- » Utensile
- » Machine Spindle
- » Driven Tool Body
- » Re-Cool Nut
- » Tool

DENOMINAZIONE UTENSILE TOOL DESIGNATION

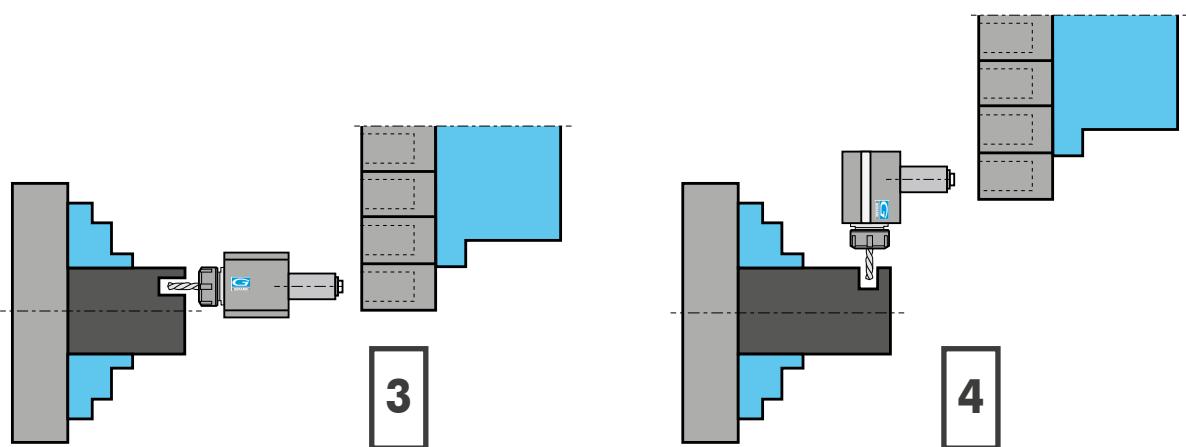
Montaggio TANGENZIALE - OD Mounting



1 Motorizzato RADIALE per lavorazioni assiali
RADIAL driven tool for axial machining

2 Motorizzato ASSIALE per lavorazioni radiali
AXIAL driven tool heads for radial machining

Montaggio FRONTALE - FACE Mounting

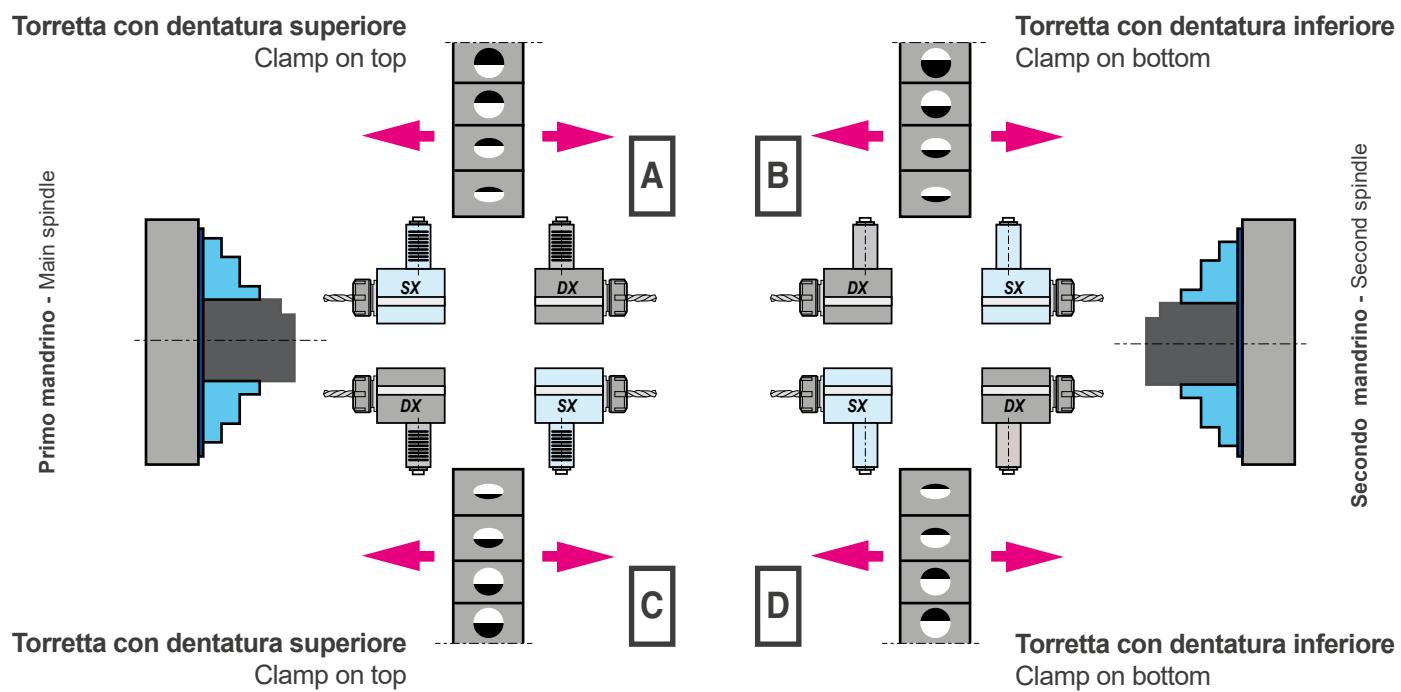


3 Motorizzato ASSIALE per lavorazioni assiali
AXIAL driven tool for axial machining

4 Motorizzato RADIALE per lavorazioni radiali
RADIAL driven tool heads for radial machining

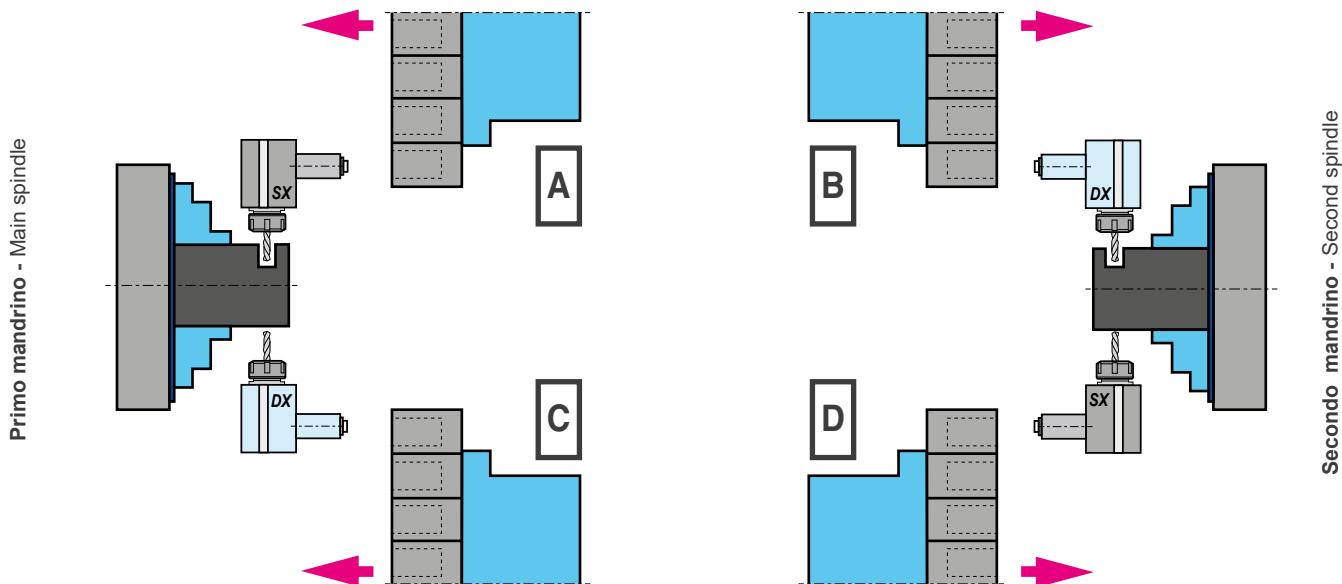
MOTORIZZATI RADIALI PER LAVORAZIONI ASSIALI RADIAL DRIVEN TOOLS FOR AXIAL MACHINING

Montaggio TANGENZIALE - OD Mounting



MOTORIZZATI RADIALI PER LAVORAZIONI RADIALI RADIAL DRIVEN TOOLS FOR RADIAL MACHINING

Montaggio FRONTALE - FACE Mounting



**NEW
2024**

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.

Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!



VDI 20 - 30 - 40 - 50 - 60

**VDI
DIN 5480**



TORRETTA TIPO / TURRET TYPE
DIN69880 (VDI STANDARD)

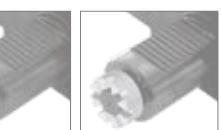
DIN 5480



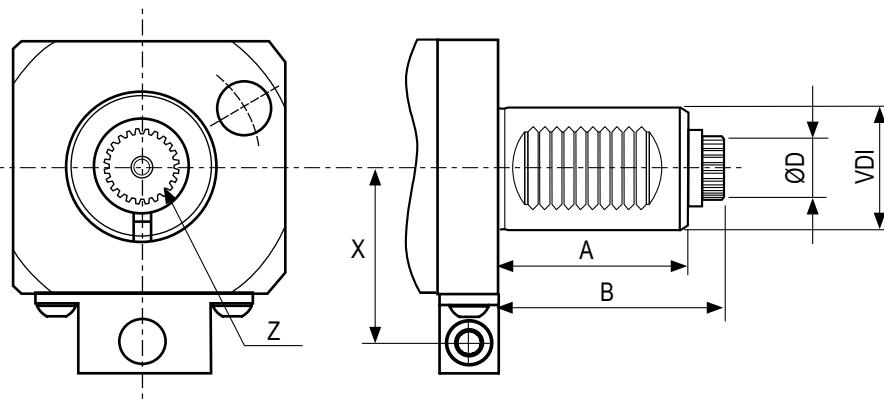
DIN 5482



BARUFFALDI



DIN 1809



VDI	A	B	ØD	Z (N° denti - Teeth)	X
20	35	51	10,8	12	-
25	48	57	13,8	16	40
30	55	67	15,8	18	48
40	63	75	19,8	24	56
50	78	93	23,8	18	64



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero Art.179CH /
ugello refrigerazione Art.180 / vite bloccaggio ugello
Art.179CH shaft lock wrench /
cooling nozzle Art.180 / nozzle lock screws



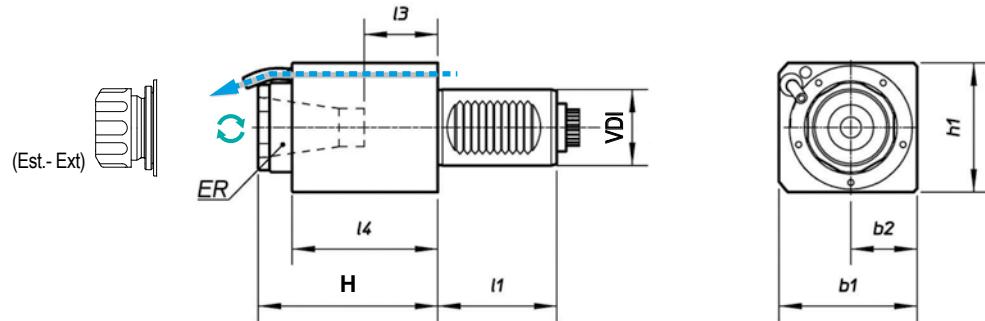
CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15 MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

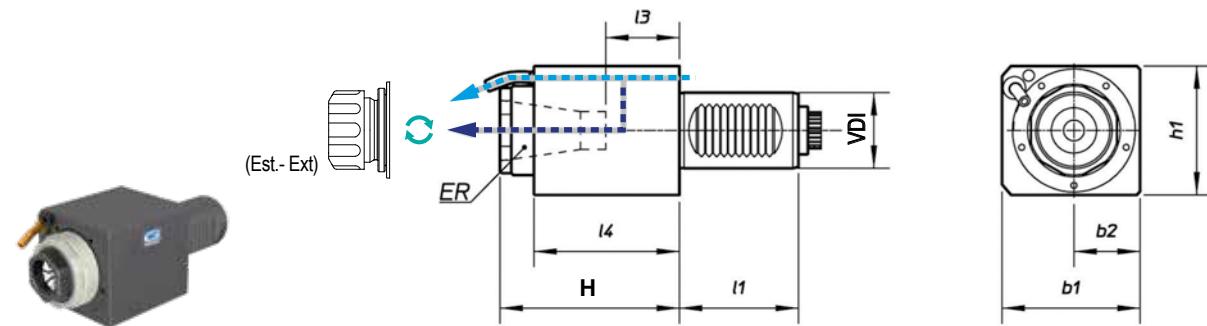
VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480


TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Pinza Collet Chuck	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
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Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8002	25	ER-25 - Ø1÷16	NO	48	69	21	54,5	54	27	56	20	6.000	6	
99.ST.8003	30	ER-25 - Ø1÷16	NO	55	66	21	59	62	31	64	32	6.000	8	
99.ST.8004	30	ER-25 - Ø1÷16	NO	55	94	39	88	62	31	64	32	6.000	8	
99.ST.8005	40	ER-32 - Ø2÷20	NO	63	95	34	77	73	35	70	63	6.000	10	
99.ST.8006	40	ER-32 - Ø2÷20	NO	63	115	54	97	73	35	70	63	6.000	10	
99.ST.8007	50	ER-40 - Ø3÷30	NO	78	88	25	69	88	44	88	100	4.000	12	
99.ST.8008	50	ER-40 - Ø3÷30	NO	78	120	45	102	88	44	88	100	4.000	12	
◆ 99.ST.80101	60	ER-40 - Ø3÷26	NO	94	148,7	54	127	111	55,5	111	160	3.200	16	



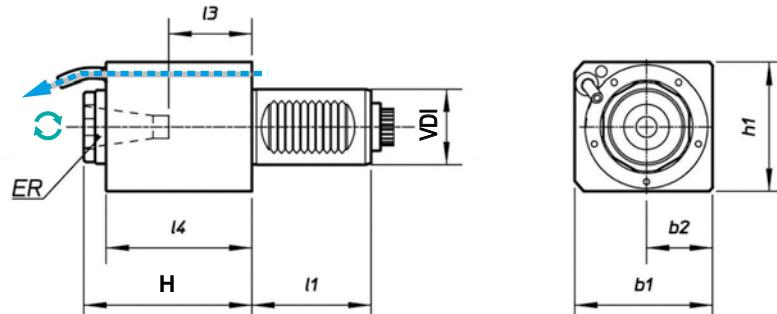
TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Pinza Collet Chuck	REFRIGERANTE COOLANT 25 bar	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
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Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8010	25	ER-25 - Ø1÷16	✓	48	89	41,5	74	54	27	56	32	6.000	6	
99.ST.8011	30	ER-25 - Ø1÷16	✓	55	66	21	59	62	31	64	32	6.000	8	
99.ST.8012	30	ER-25 - Ø1÷16	✓	55	94	39	88	62	31	64	32	6.000	8	
99.ST.8013	40	ER-32 - Ø2÷20	✓	63	95	34	77	73	35	70	63	6.000	10	
99.ST.8014	40	ER-32 - Ø2÷20	✓	63	115	54	97	73	35	70	63	6.000	10	
99.ST.8015	50	ER-40 - Ø3÷30	✓	78	120	45	102	88	44	88	100	4.000	12	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


VDI
DIN 5480
TIPO - TYPE

 Assiale
Axial

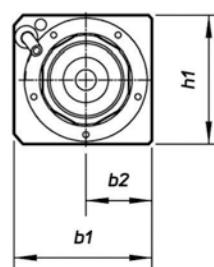
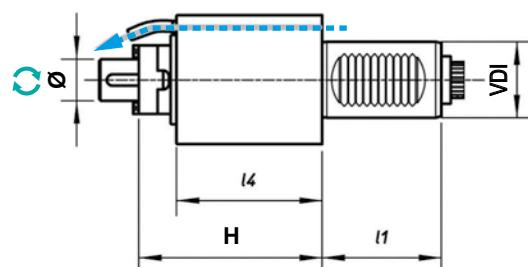
USCITA - OUTPUT
 Porta Pinza
Collet Chuck

REFRIGERANTE
 COOLANT
 Esterno
External

RATIO
 1:4

ROTAZIONE - ROTATION
 Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	l4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8018	25	ER-16 - Ø1÷10	NO	48	98,5	60,5	89,5	54	27	56	5	24.000	3	
♦ 99.ST.8019	30	ER-20 - Ø1÷10	NO	-	100	-	-	62	31	64	32	20.000	-	
99.ST.8020	40	ER-20 - Ø1÷13	NO	63	112,5	74,5	106	76	38	76	16	16.000	5	

4

TIPO - TYPE

 Assiale
Axial

USCITA - OUTPUT
 Porta Fresa
Shell End Milling Cutter

REFRIGERANTE
 COOLANT
 Esterno
External

RATIO
 1:1

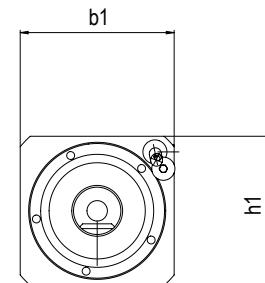
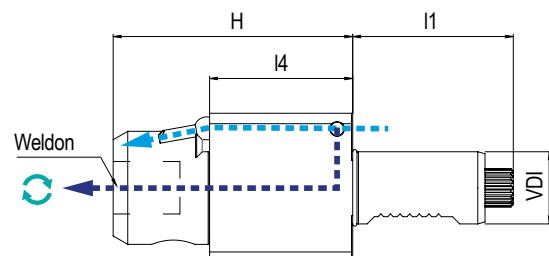
ROTAZIONE - ROTATION
 Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	l1	H	l4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8024	30	Ø22	NO	55	112	88	62	31	64	32	6.000	8	
99.ST.8025	40	Ø22	NO	63	102	77	73	35	70	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480

TIPO - TYPE
 Assiale
 Axial

USCITA - OUTPUT
 Weldon

**REFRIGERANTE
COOLANT**
 25 bar

RATIO
 1:1

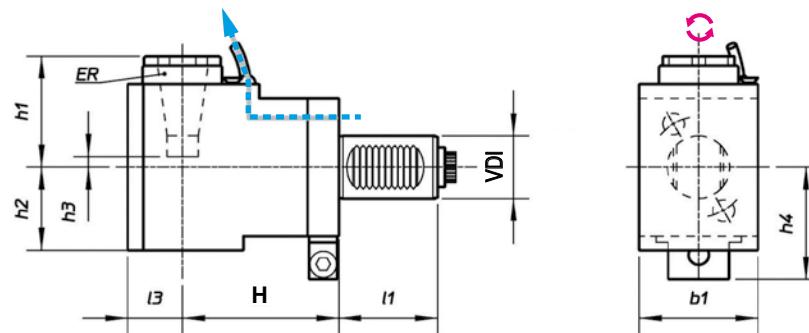
ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

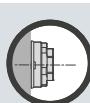
Code	VDI	Output	Int Cool.	l1	H	l4	b1	h1	Nm	Rpm	kw	
99.ST.80103	30	Weldon Ø20	NO	66,7	99,59	59,5	64	62	32	5.000	8	
99.ST.80104	30	Weldon Ø20	✓	66,7	99,59	59,5	64	62	32	5.000	8	
99.ST.80105	30	Weldon Ø16	NO	66,7	99,59	59,5	64	62	32	5.000	8	
99.ST.80106	30	Weldon Ø16	✓	66,7	99,59	59,5	64	62	32	5.000	8	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


VDI
DIN 5480

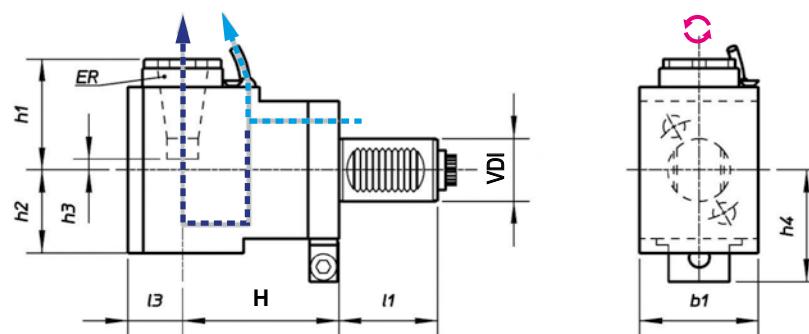
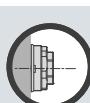
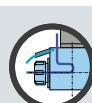
TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
COOLANT
 Esterno
 External

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8029	25	ER-25 - Ø1÷16	NO	48	75	28	54	50,5	42	4	48	20	6.000	6
99.ST.8030	30	ER-25 - Ø1÷16	NO	55	55	31	64	56	48	3	54	32	6.000	8
99.ST.8031	30	ER-25 - Ø1÷16	NO	55	85	31	64	56	48	3	54	32	6.000	8
99.ST.8032	30	ER-25 - Ø1÷16	NO	55	100	31	64	56	48	3	54	32	6.000	8
99.ST.8033	40	ER-32 - Ø2÷20	NO	63	100	35	76	71	55	11	71	63	6.000	10
99.ST.8034	40	ER-32 - Ø2÷20	NO	63	120	35	76	71	55	11	71	63	6.000	10
99.ST.8035	50	ER-40 - Ø3÷30	NO	78	110	44	88	92	73	16	79	100	4.000	12

4

TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
COOLANT
 25 bar

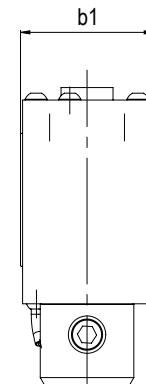
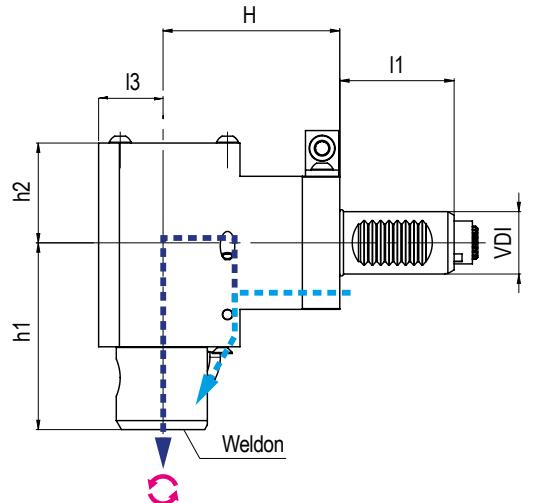
RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8037	25	ER-25 - Ø1÷16	✓	48	75	28	54	60	61	4	48	20	6.000	6
99.ST.8038	30	ER-25 - Ø1÷16	✓	55	55	31	64	56	60	2	54	32	6.000	8
99.ST.8039	30	ER-25 - Ø1÷16	✓	55	85	31	64	56	60	2	54	32	6.000	8
99.ST.8040	30	ER-25 - Ø1÷16	✓	55	100	31	64	56	60	2	54	32	6.000	8
99.ST.8041	40	ER-32 - Ø2÷20	✓	63	100	35	76	71	62	11	71	63	6.000	10
99.ST.8042	40	ER-32 - Ø2÷20	✓	63	120	35	76	71	73	11	71	63	6.000	10
99.ST.8043	50	ER-40 - Ø3÷30	✓	78	110	44	88	92	73	16	79	100	4.000	12

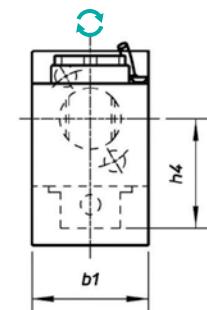
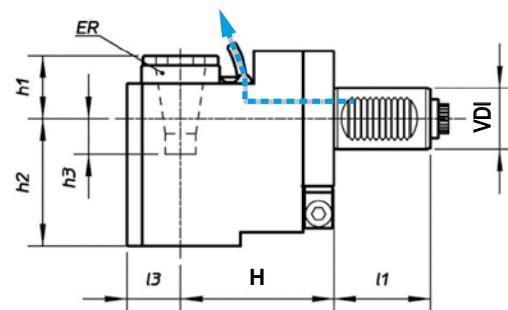
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES
VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480


TIPO - TYPE Radiale Radial	USCITA - OUTPUT Weldon	REFRIGERANTE COOLANT 25 bar	RATIO 1:1	ROTAZIONE - ROTATION Opposto al mandrino Opposite to machine spindle
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Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	Nm	Rpm	kw	
99.ST.80107	30	Weldon Ø20	NO	55	85	31	64	89,8	48	60	10.000	10	
99.ST.80108	30	Weldon Ø20	✓	55	85	31	64	89,8	59,7	60	10.000	10	
99.ST.80109	30	Weldon Ø16	NO	55	85	31	64	89,9	48	60	10.000	10	
99.ST.80110	30	Weldon Ø16	✓	55	85	31	64	89,9	59,7	60	10.000	10	



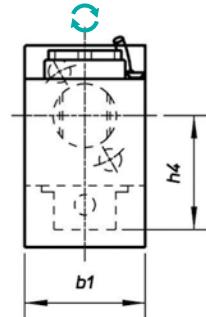
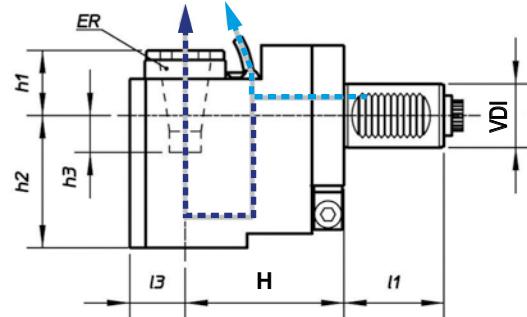
TIPO - TYPE Arretrato Rear Offset	USCITA - OUTPUT Porta Pinza Collet Chuck	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
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Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.ST.8046	30	ER-25 - Ø1÷16	NO	55	85	31	64	21	90	45	56	32	5.000	8	
99.ST.8047	30	ER-25 - Ø1÷16	NO	55	100	31	64	21	90	45	56	32	5.000	8	
99.ST.8048	40	ER-32 - Ø2÷20	NO	63	100	35	76	20	106	40	65,5	63	6.000	10	
99.ST.8049	50	ER-40 - Ø3÷30	NO	78	110	44	88	31	123	44	73,5	100	4.000	12	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480


TIPO - TYPE

Arretrato
Rear Offset

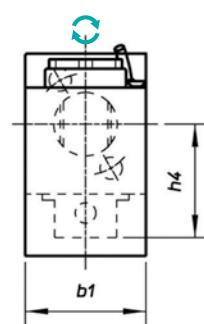
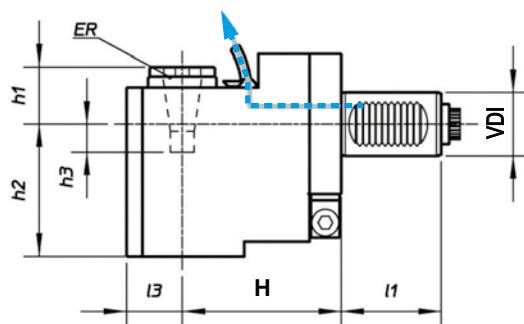
USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

25 bar

RATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8052	30	ER-25 - 01÷16	✓	55	85	31	64	24	105,5	45,5	56	32	5.000	8
99.ST.8053	30	ER-25 - 01÷16	✓	55	100	31	64	24	105,5	45,5	56	32	5.000	8
99.ST.8054	40	ER-32 - 02÷20	✓	63	100	35	76	30	124	40	65,5	63	6.000	10
99.ST.8055	50	ER-40 - 03÷30	✓	78	110	44	88	44	140,5	44	80,5	100	4.000	12



TIPO - TYPE

Arretrato
Rear Offset

USCITA - OUTPUT

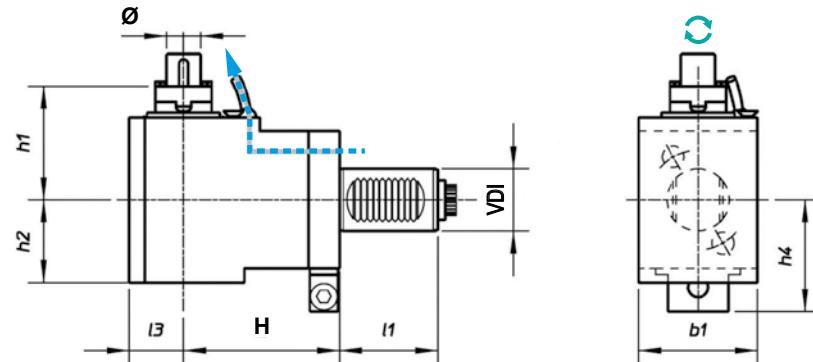
Porta Pinza
Collet ChuckREFRIGERANTE
COOLANTEsterno
ExternalRATIO
1:4ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8057	25	ER-16 - 01÷10	NO	48	90	21	54	31	81	11	48	5	24.000	3
99.ST.8059	40	ER-20 - 01÷13	NO	63	125	27	76	45	108	10	65,5	16	16.000	5

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480


TIPO - TYPE



USCITA - OUTPUT

Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANTEsterno
External

RATIO

2:1

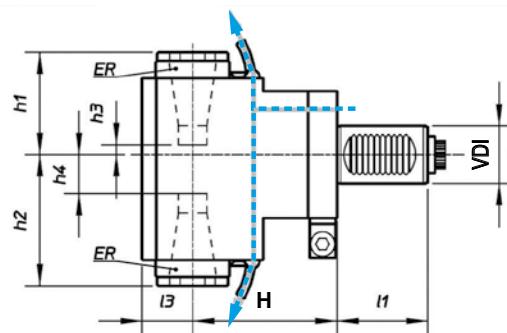


ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h4	Nm	Rpm	kw
99.ST.8070	25	Ø16	NO	48	75	28	54	66	48	48	40	3.000	6
99.ST.8071	30	Ø22	NO	55	55	31	64	74	48	56	63	2.500	8
99.ST.8074	40	Ø22	NO	63	100	35	76	78	55	65,5	63	3.000	8

4

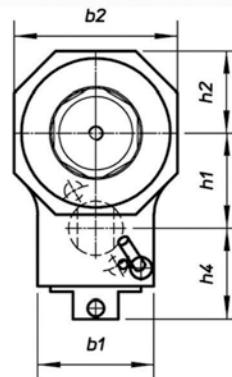
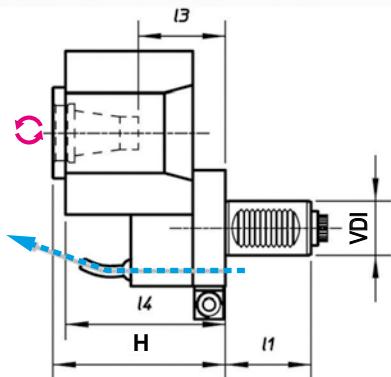
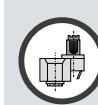
TIPO - TYPE
Radiale Doppio
Double RadialUSCITA - OUTPUT
Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	h5	Nm	Rpm	kw
99.ST.8078	25	ER-20 - Ø1÷13	NO	48	75	28	54	50,5	71,5	4	32	48	20	6.000	6
99.ST.8079	30	ER-25 - Ø1÷16	NO	55	85	31	64	63	84	2,5	22,5	56	32	5.000	8
99.ST.8080	30	ER-25 - Ø1÷16	NO	55	100	31	64	63	84	2,5	22,5	56	32	5.000	8
99.ST.8081	40	ER-32 - Ø2÷20	NO	63	100	35	76	71	96	11	36,5	65,5	63	6.000	10
99.ST.8082	40	ER-32 - Ø2÷20	NO	63	120	35	76	71	96	11	36,5	65,5	63	6.000	10

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

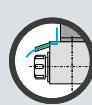
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


VDI
DIN 5480


TIPO - TYPE


 Disassato
Offset Axis

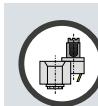
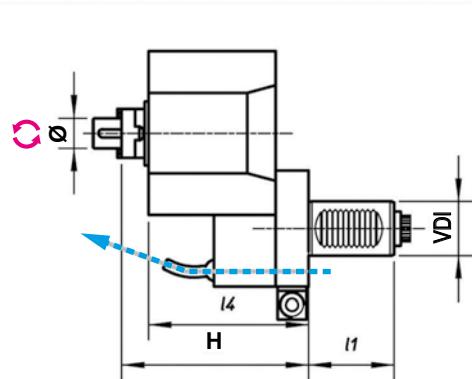
USCITA - OUTPUT

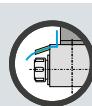
 Porta Pinza
Collet Chuck

 REFRIGERANTE
COOLANT
Esterno
External

 RATIO
2:1

 ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I4	b1	b2	h1	h2	h4	Nm	Rpm	kw
99.ST.8083	30	ER-25 - Ø1÷16	NO	55	95	88	64	90	52,5	45	54	64	3.000	8
99.ST.80111	30	ER-32 - Ø2÷20	NO	55	100,25	88	-	90	-	-	-	63	2.500	8
99.ST.80112	40	ER-32 - Ø2÷20	NO	63	99	92	76	108	68,5	54	65,5	100	2.000	10

4

 TIPO - TYPE
Disassato
Offset Axis

 USCITA - OUTPUT
Porta Fresa
Shell End Milling Cutter

 REFRIGERANTE
COOLANT
Esterno
External

 RATIO
2:1

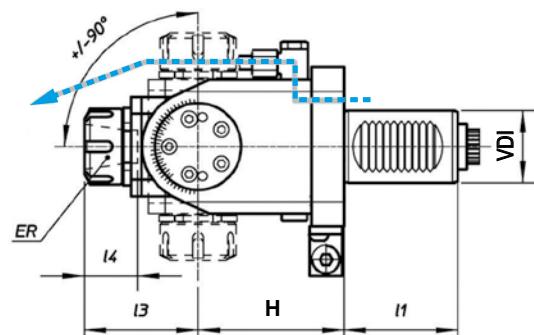
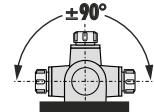
 ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

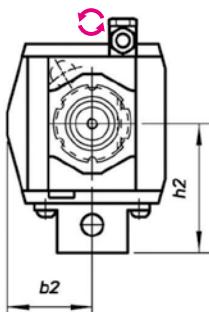
Code	VDI	Output	Int Cool.	I1	H	I4	b1	b2	h1	h2	h4	Nm	Rpm	kw
99.ST.8084	30	Ø22	NO	55	95	88	64	90	52,5	45	54	64	3.000	8
99.ST.8012A	40	Ø22	NO	63	117	92	76	108	68,5	54	65,5	100	2.000	10

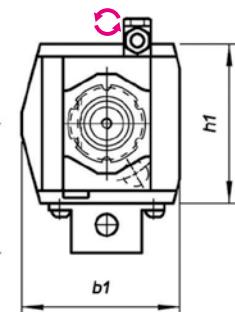
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5480

SINISTRO - LEFT
(Standard)

(Specify)

DESTRO - RIGHT
(Specify)

(Specify)

TIPO - TYPE
Orientabile
Adjustable ±90°

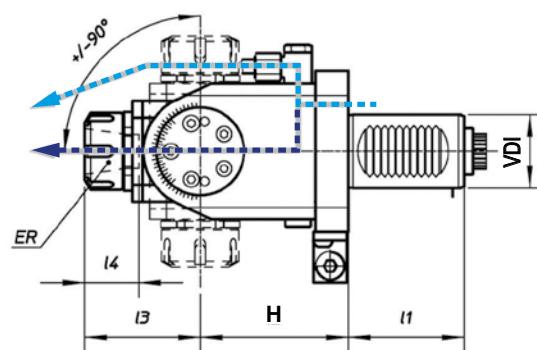
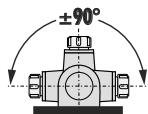
USCITA - OUTPUT
Porta Pinza
Collet Chunk

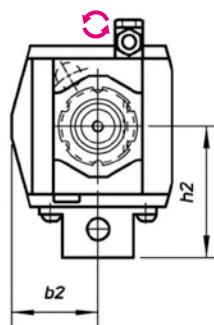
REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

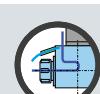
Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw	
99.ST.80100	20	ER-16 - Ø1÷10	NO	39,6	70	52	-	69,5	-	50	-	15	6.000	2	
99.ST.8086	25	ER-16 - Ø1÷10	NO	48	55	54	34,5	70,5	38	65	49,5	10	6.000	2	
99.ST.8097	25	ER-20 - Ø1÷13	NO	48	70	52	37	70	37	64	54	15	6.000	3	
99.ST.8087	30	ER-20 - Ø1÷13	NO	55	64	52	37	70	37	64	54	15	6.000	3	
99.ST.8088	30	ER-20 - Ø1÷13	NO	55	97	52	37	70	37	64	54	15	6.000	3	
99.ST.8089	40	ER-25 - Ø1÷16	NO	63	81	63	42	87	47	88	71	25	6.000	4	
99.ST.8098	40	ER-25 - Ø1÷16	NO	63	120	63	42	87	47	88	71	25	6.000	4	
♦ 99.ST.8096	50	ER-32 - Ø2÷20	NO	78	123	101	47	134	54	108	78	50	4.000	6	


SINISTRO - LEFT
(Standard)

(Specify)

DESTRO - RIGHT
(Specify)

(Specify)

TIPO - TYPE
Orientabile
Adjustable ±90°

USCITA - OUTPUT
Porta Pinza
Collet Chunk

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	h4	Nm	Rpm	kw	
99.ST.8091	30	ER-20 - Ø1÷13	✓	55	64	37	52	37	70	37	64	54	15	6.000	3	
99.ST.8092	30	ER-20 - Ø1÷13	✓	55	97	37	52	37	70	37	64	54	15	6.000	3	
99.ST.8093	40	ER-25 - Ø1÷16	✓	63	81	42	63	42	87	47	88	71	25	6.000	4	

VDI 20 - 30 - 40 - 50 - 60

**VDI
DIN 5482**

TORRETTA TIPO / TURRET TYPE
DIN69880 (VDI STANDARD)



DIN 5482



DIN 5480



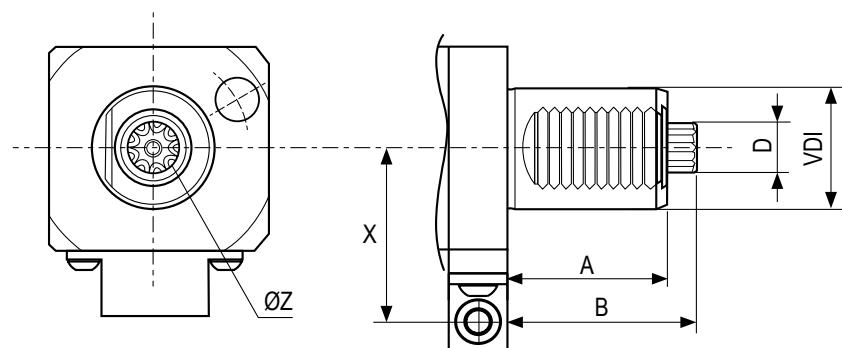
BARUFFALDI



DIN 1809



4



VDI	A	B	ØD	Z (N°denti - Teeth)	X
30	45	55	14,5	8	40
40	53	63	16,5	9	63
50	78	93	19,5	11	70
60	94	108	24,5	14	-



**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero Art.179CH /
ugello refrigerazione Art.180 / vite bloccaggio ugello
Art.179CH shaft lock wrench /
cooling nozzle Art.180 / nozzle lock screws



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15

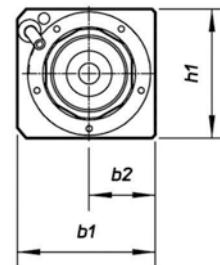
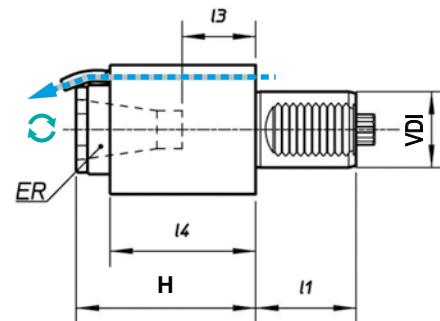
Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede per pinza ER (DIN6499).

Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5482

TIPO - TYPE
 Assiale
Axial

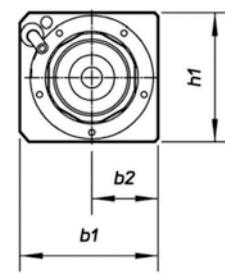
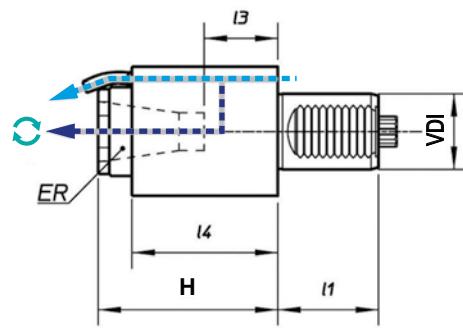
USCITA - OUTPUT
 Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
 Esterno
External

RATIO
 1:1

ROTAZIONE - ROTATION
 Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8201	30	ER-25 - Ø1÷16	NO	45	94	39	88	62	31	64	32	6.000	8	
99.ST.8203	40	ER-32 - Ø2÷20	NO	53	115	54	97	73	35	70	63	5.000	10	
99.ST.8205	50	ER-40 - Ø3÷30	NO	78	150	75	142	88	44	88	100	4.000	12	
99.ST.8206	60	ER-50 - Ø7÷34	NO	94	220	110	168	110	55	110	160	3.200	15	

4

TIPO - TYPE
 Assiale
Axial

USCITA - OUTPUT
 Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
 25 bar

RATIO
 1:1

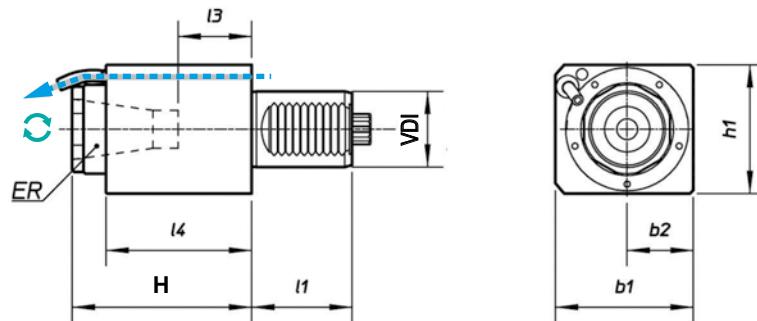
ROTAZIONE - ROTATION
 Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8207	30	ER-25 - Ø1÷16	✓	45	94	39	88	62	31	64	32	6.000	8	
99.ST.8208	40	ER-32 - Ø2÷20	✓	53	115	54	97	73	35	70	63	5.000	10	
99.ST.8210	50	ER-40 - Ø3÷30	✓	78	133	45	112	88	44	88	100	4.000	12	
99.ST.8211	60	ER-50 - Ø7÷34	✓	94	228	110	168	110	55	110	160	3.200	15	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

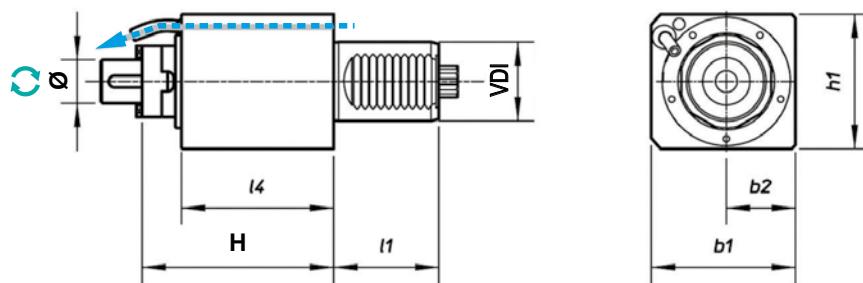
VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


VDI
DIN 5482

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	Esterno External	1:4	Uguale al mandrino Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8212	30	ER-16 - Ø1÷10	NO	45	100	58	88	62	31	64	8	20.000	4	
99.ST.8213	40	ER-20 - Ø1÷13	NO	53	112,5	74,5	106	76	38	76	16	16.000	5	
99.ST.8214	50	ER-20 - Ø1÷13	NO	78	128,5	88,5	122	88	44	88	25	16.000	6	



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Fresa Shell End Milling Cutter	Esterno External	1:1	Uguale al mandrino Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.ST.8215	30	Ø22	NO	45	112		88	62	31	64	32	6.000	8	

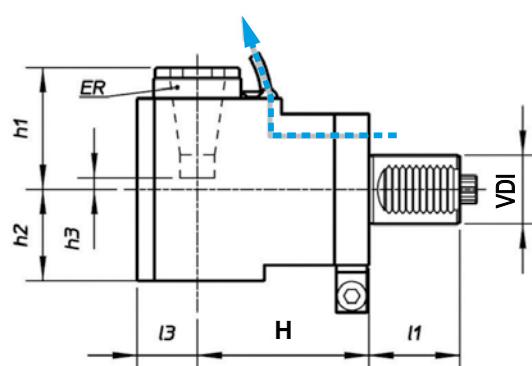
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

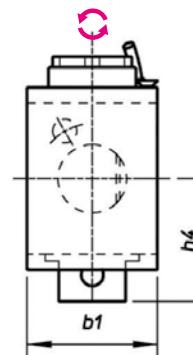


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5482



SINISTRO - LEFT
(Standard)



DESTRO - RIGHT
(Specify)



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



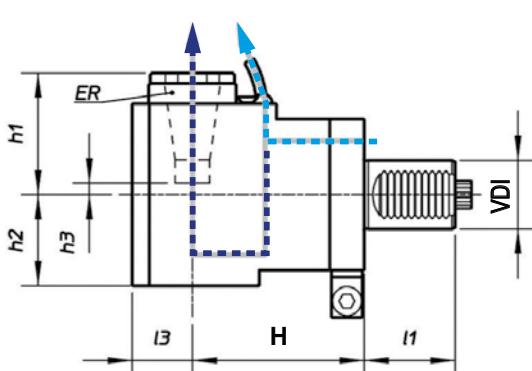
RATIO
1:1



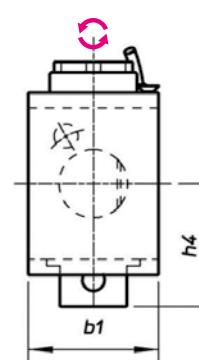
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8217	30	ER-25 - Ø1÷16	NO	45	55	31	64	56	48	3	52	32	6.000	8
99.ST.8220	40	ER-32 - Ø2÷20	NO	53	100	35	76	71	55	11	71	63	5.000	10
99.ST.8221	50	ER-40 - Ø3÷30	NO	78	110	44	88	92	62	17	80,5	100	4.000	12
99.ST.8222	60	ER-50 - Ø7÷34	NO	94	130	55	110	149	102	39	103	160	3.200	15

4



SINISTRO - LEFT
(Standard)



DESTRO - RIGHT
(Specify)



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



RATIO
1:1



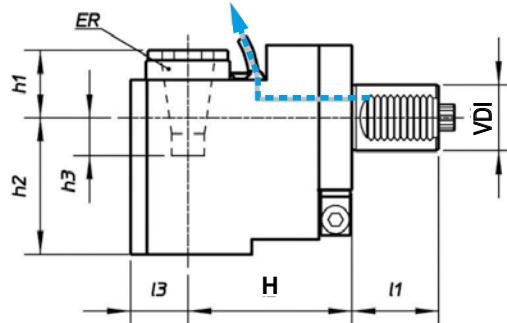
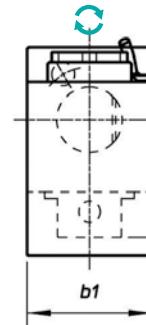
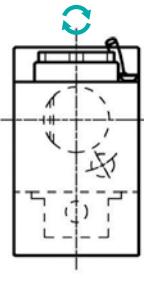
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8223	30	ER-25 - Ø1÷16	✓	45	55	31	64	56	60	2	52	32	6.000	8
99.ST.8226	40	ER-32 - Ø2÷20	✓	53	100	35	76	71	62	11	71	63	5.000	10
99.ST.8227	50	ER-40 - Ø3÷30	✓	78	110	44	88	105	79,5	17	80,5	100	4.000	12
99.ST.8228	60	ER-50 - Ø7÷34	✓	94	130	55	110	157	102	39	103	160	3.200	15

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


**SINISTRO - LEFT
(Standard)**

**DESTRO - RIGHT
(Specify)**

VDI
DIN 5482
TIPO - TYPE
Arretrato
Rear Offset

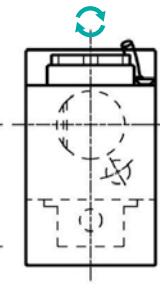
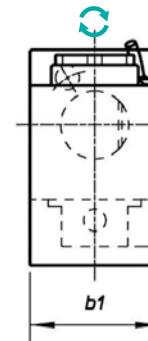
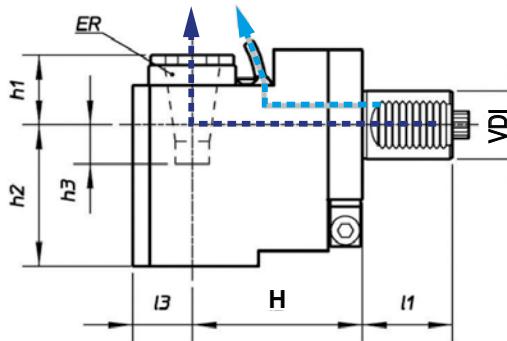
USCITA - OUTPUT
Porta Pinza
Collet Chuck

**REFRIGERANTE
COOLANT**
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8229	30	ER-25 - Ø1÷16	NO	45	85	31	64	14,5	90	45	52	32	6.000	8
99.ST.8230	40	ER-32 - Ø2÷20	NO	53	100	35	76	20	106	40	72,5	63	5.000	10
99.ST.8231	50	ER-40 - Ø3÷30	NO	78	110	44	88	31	123	44	80,5	100	4.000	12
99.ST.8232	60	ER-50 - Ø7÷34	NO	94	135	55	110	67	184	43	103	160	3.200	15

4
**SINISTRO - LEFT
(Standard)**
**DESTRO - RIGHT
(Specify)**

TIPO - TYPE
Arretrato
Rear Offset

USCITA - OUTPUT
Porta Pinza
Collet Chuck

**REFRIGERANTE
COOLANT**
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.ST.8233	30	ER-25 - Ø1÷16	✓	45	85	31	64	24	105,5	45,5	52	32	6.000	8
99.ST.8234	40	ER-32 - Ø2÷20	✓	53	100	35	76	30	124	40	72,5	63	5.000	10
99.ST.8235	50	ER-40 - Ø3÷30	✓	78	110	44	88	44	140,5	44	80,5	100	4.000	12

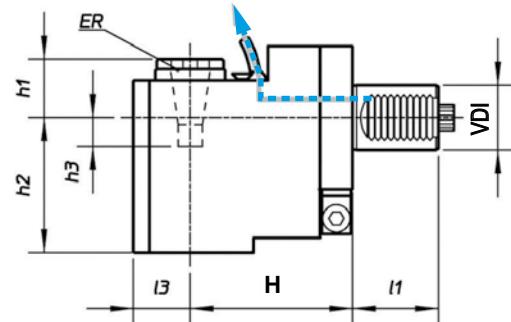
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

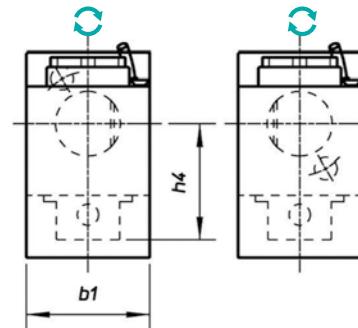


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

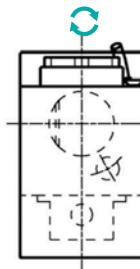
VDI
DIN 5482



SINISTRO - LEFT
(Standard)



DESTRO - RIGHT
(Specify)



TIPO - TYPE
Arretrato
Rear Offset



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



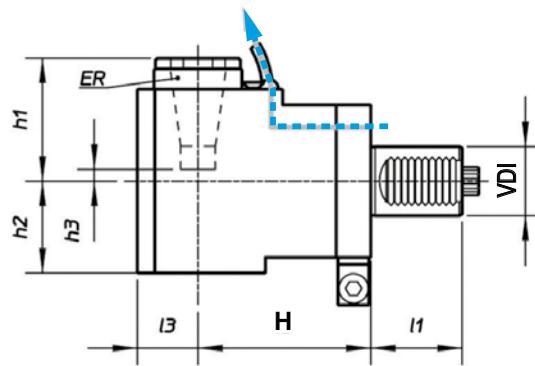
RATIO
1:4



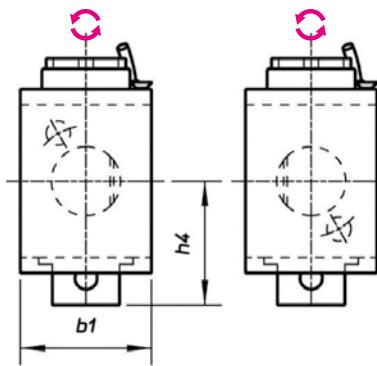
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.ST.8237	30	ER-16 - Ø1÷10	NO	45	95	21	64	33	84	15	56	8	20.000	4	
99.ST.8238	40	ER-20 - Ø1÷13	NO	53	125	27	76	45	108	10	65,5	16	16.000	5	
99.ST.8239	50	ER-20 - Ø1÷13	NO	78	135	27	86	45	113	10	73,5	25	16.000	6	

4



SINISTRO - LEFT
(Standard)



DESTRO - RIGHT
(Specify)



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
2:1



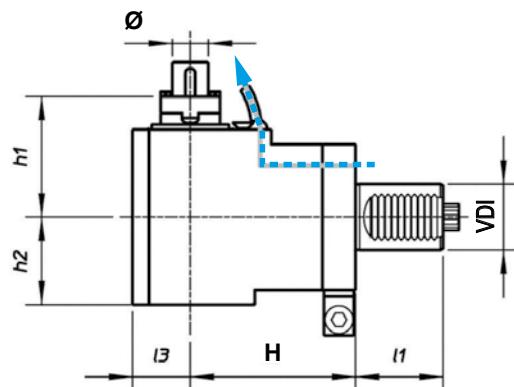
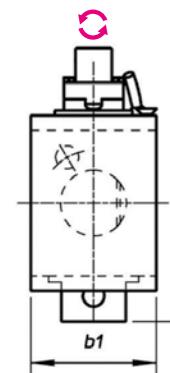
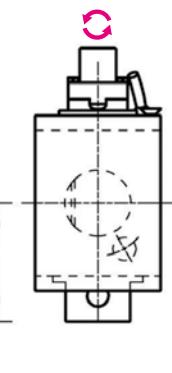
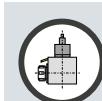
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	km	h1	h2	h3	h4	Nm	Rpm	kw	
99.ST.8240	30	ER-25 - Ø1÷16	NO	45	55	31	64	56,5	48	3	52	63	2.500	8	
99.ST.8241	40	ER-32 - Ø2÷20	NO	53	100	35	76	71	55	-11	72,5	63	2.000	8	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


SINISTRO - LEFT
 (Standard)

DESTRO - RIGHT
 (Specify)

VDI
DIN 5482


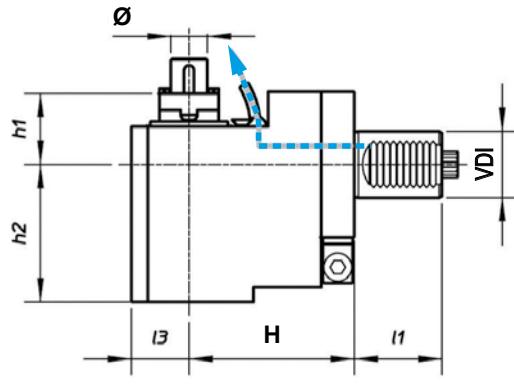
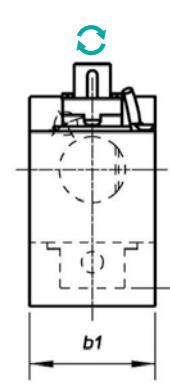
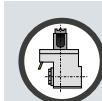
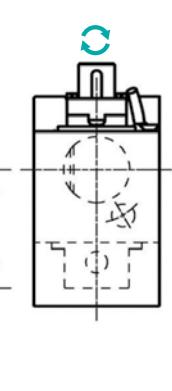
TIPO - TYPE



USCITA - OUTPUT

Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

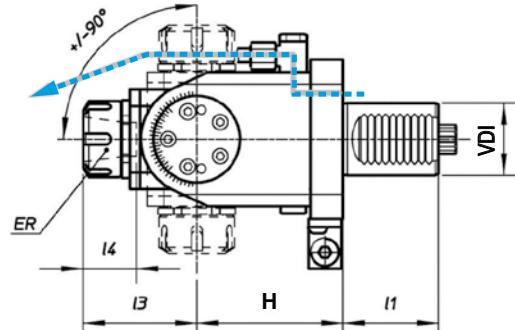
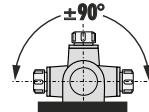
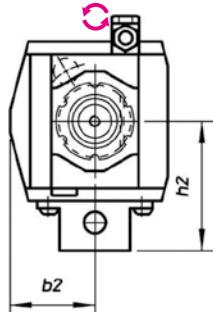
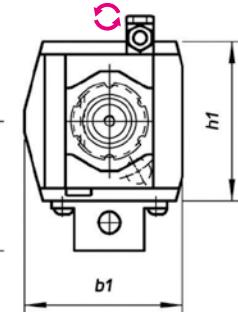
Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h4	Nm	Rpm	kw	
99.ST.8242	30	Ø22	NO	45	55	31	64	74	48	52	63	2.500	8	
99.ST.8243	40	Ø22	NO	53	100	35	76	78	55	72,5	63	2.000	8	


SINISTRO - LEFT
 (Standard)

DESTRO - RIGHT
 (Specify)
TIPO - TYPE
Arretrato
Rear OffsetUSCITA - OUTPUT
Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h4	Nm	Rpm	kw	
99.ST.8244	30	Ø22	NO	45	85	31	64	32	90	52	32	2.500	8	
99.ST.8245	40	Ø22	NO	53	100	35	76	27	106	72,5	63	4.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES
VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 5482

**SINISTRO - LEFT
(Standard)**

**DESTRO - RIGHT
(Specify)**

TIPO - TYPE
Orientabile
Adjustable ±90°

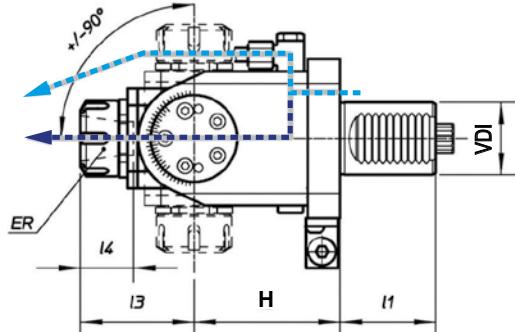
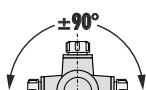
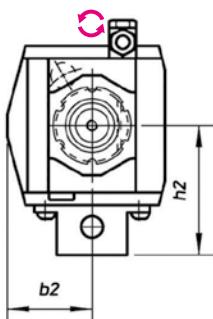
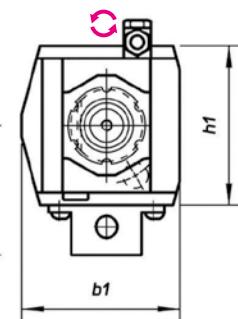
USCITA - OUTPUT
Porta Pinza
Collet Chunk

**REFRIGERANTE
COOLANT**
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw	
99.ST.8248	30	ER-20 - Ø1÷13	NO	45	64	52	37	70	37	64	54	15	6.000	3	
99.ST.8249	30	ER-20 - Ø1÷13	NO	45	97	52	37	70	37	64	54	15	6.000	3	
99.ST.8250	40	ER-25 - Ø1÷16	NO	53	81	63	42	87	47	88	71	25	6.000	4	
99.ST.8251	50	ER-25 - Ø1÷16	NO	78	100	67	47	91	54	88	72	25	4.000	6	

4

**SINISTRO - LEFT
(Standard)**

**DESTRO - RIGHT
(Specify)**

TIPO - TYPE
Orientabile
Adjustable ±90°

USCITA - OUTPUT
Porta Pinza
Collet Chunk

**REFRIGERANTE
COOLANT**
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw	
99.ST.8254	30	ER-20 - Ø1÷13	✓	45	97	52	37	70	37	64	54	15	6.000	3	
99.ST.8255	40	ER-25 - Ø1÷16	✓	53	81	63	42	87	47	88	71	25	6.000	4	



VDI 20 - 30 - 40 - 50 - 60



BARUFFALDI

TORRETTA TIPO / TURRET TYPE
DIN 5480 (VDS STANDARD)



BARUFFALDI



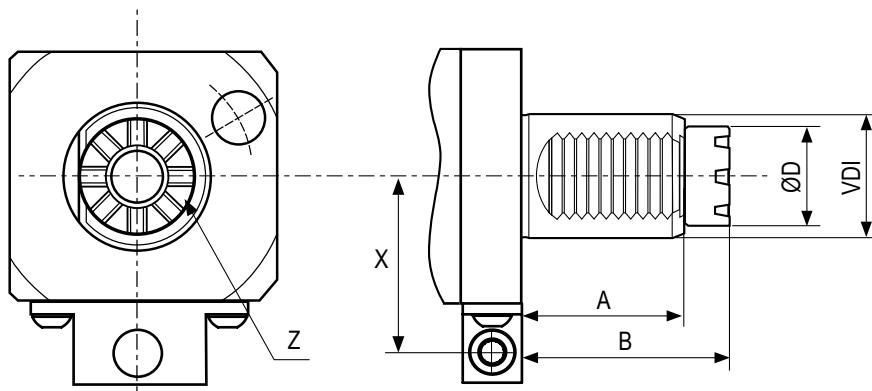
DIN 5480

DIN 5482

DIN 1809



4



VDI	A	B	ØD	Z (N° denti - Teeth)	X
20	35	44	19	6	50
30	45	59	24	6	40
40	53	68	32	8	63
50	70	84	40	8	70
60	83	100	43	8	-



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero Art.179CH /
ugello refrigerazione Art.180 / vite bloccaggio ugello
Art.179CH shaft lock wrench /
cooling nozzle Art.180 / nozzle lock screws



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15 MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede per pinza ER (DIN6499).

Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

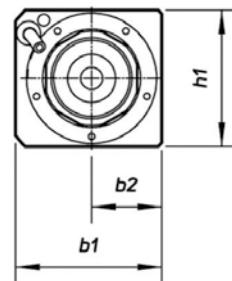
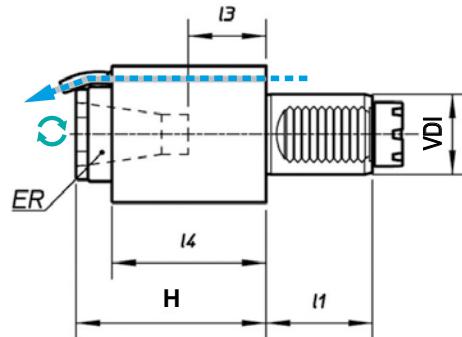
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60



Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BARUFFALDI

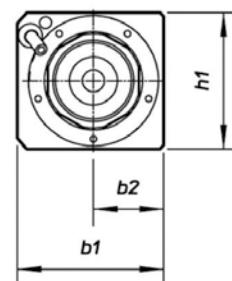
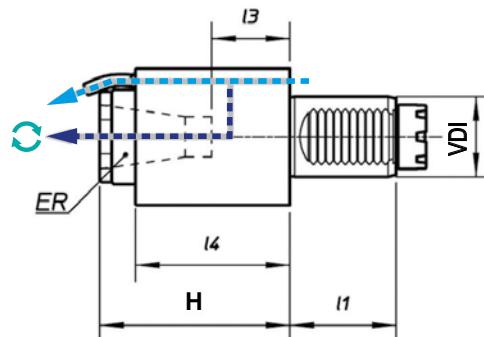


Per dischi assiali - For axial tool discs

TIPO - TYPE 	Assiale Axial	USCITA - OUTPUT 	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT 	Esterno External	RATIO 	ROTAZIONE - ROTATION 	Uguale al mandrino Same as machine spindle
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Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.BF.0001	20	ER-20 - Ø1÷13	NO	35	90	49	61	50	25	56	13	6.000	5	
99.BF.0002	20	ER-20 - Ø1÷13	NO	35	65	25	37	50	25	56	13	6.000	5	
99.BF.0003	30	ER-25 - Ø1÷16	NO	45	94	39	88	62	31	64	32	6.000	8	
99.BF.0005	40	ER-32 - Ø2÷20	NO	53	117	57	99	73	35	70	63	5.000	10	
99.BF.0007	50	ER-40 - Ø3÷30	NO	70	120	45	102	88	44	88	100	4.000	12	
99.BF.0009	60	ER-50 - Ø7÷34	NO	83	170	69	109	110	55	110	160	3.200	15	

4



Per dischi assiali - For axial tool discs

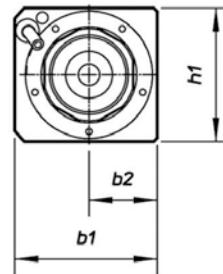
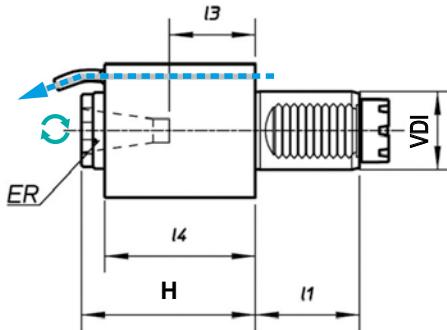
TIPO - TYPE 	Assiale Axial	USCITA - OUTPUT 	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT 	25 bar	RATIO 	ROTAZIONE - ROTATION 	Uguale al mandrino Same as machine spindle
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Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.BF.0010	30	ER-25 - Ø1÷16	✓	45	94	39	88	62	31	64	32	6.000	8	
99.BF.0011	40	ER-32 - Ø2÷20	✓	53	115	54	97	73	35	70	63	5.000	10	
99.BF.0013	50	ER-40 - Ø3÷30	✓	70	120	45	102	88	44	88	100	4.000	12	
99.BF.0014	60	ER-50 - Ø7÷34	✓	83	170	69	109	110	55	110	160	3.200	15	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

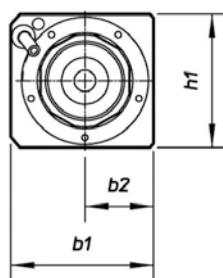
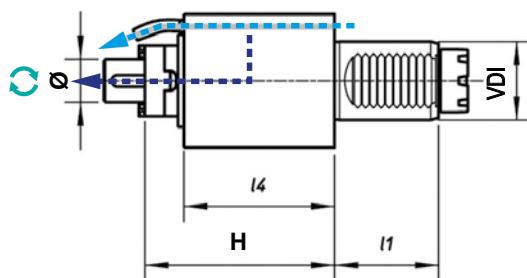


Per dischi assiali - For axial tool discs

TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
	Assiale Axial		Porta Pinza Collet Chuck		External	
					1:4	
						Uguale al mandrino Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.BF.0015	20	ER-16 - Ø1÷10	NO	35	100	68	85	50	25	56	3	24.000	3	
99.BF.0016	30	ER-16 - Ø1÷10	NO	45	100	58	88	62	31	64	8	20.000	4	
99.BF.0017	40	ER-20 - Ø1÷13	NO	53	112,5	74,5	106	76	38	76	16	16.000	5	

4



Per dischi assiali - For axial tool discs

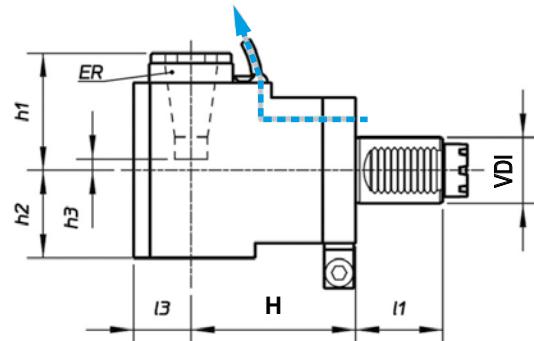
TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
	Assiale Axial		Porta Fresa Shell End Milling Cutter		25 bar	
					1:1	
						Uguale al mandrino Same as machine spindle

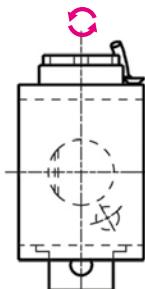
Code	VDI	Output	Int Cool.	I1	H	I4	b1	b2	h1	Nm	Rpm	kw	
99.BF.0018	30	Ø22	✓	45	112	88	62	31	64	32	5.000	8	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BARUFFALDI

SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)


Per dischi assiali - For axial tool discs


TIPO - TYPE
Radiale
Radial

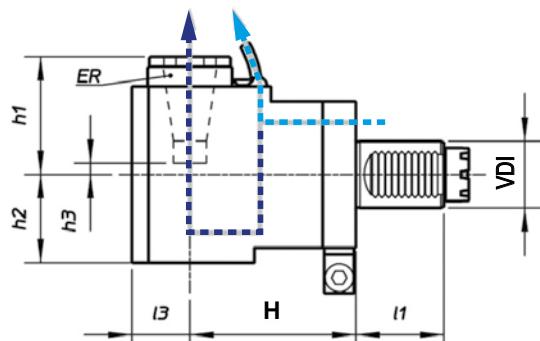
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.BF.0020	20	ER-20 - Ø1÷13	NO	35	60	25	50	60	38	19	57	13	6.000	5	
99.BF.0021	30	ER-25 - Ø1÷16	NO	45	55	31	64	56	48	3	52	32	6.000	8	
99.BF.0022	30	ER-25 - Ø1÷16	NO	45	85	31	64	56	48	3	52	32	6.000	8	
99.BF.0023	30	ER-25 - Ø1÷16	NO	45	100	31	64	56	48	3	52	32	6.000	8	
99.BF.0024	40	ER-32 - Ø2÷20	NO	53	100	35	76	71	55	11	71	63	5.000	10	
99.BF.0025	50	ER-40 - Ø3÷30	NO	70	110	44	88	92	73	16	79	100	4.000	12	
99.BF.0026	60	ER-50 - Ø7÷34	NO	83	130	52	110	149	83	46	100	160	3.200	15	


SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)


Per dischi assiali - For axial tool discs


TIPO - TYPE
Radiale
Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

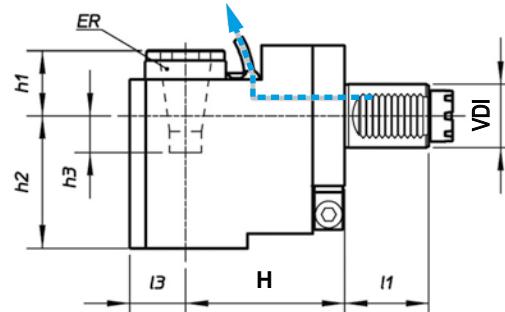
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.BF.0027	30	ER-25 - Ø1÷16	✓	45	55	31	64	56	60	3	52	32	6.000	8	
99.BF.0028	30	ER-25 - Ø1÷16	✓	45	85	31	64	56	60	3	52	32	6.000	8	
99.BF.0029	30	ER-25 - Ø1÷16	✓	45	100	31	64	56	60	3	52	32	6.000	8	
99.BF.0030	40	ER-32 - Ø2÷20	✓	53	100	35	76	71	62	11	71	63	5.000	10	
99.BF.0031	50	ER-40 - Ø3÷30	✓	70	110	44	88	92	73	16	79	100	4.000	12	
99.BF.0032	60	ER-50 - Ø7÷34	✓	83	130	52	110	149	83	46	100	160	3.200	15	

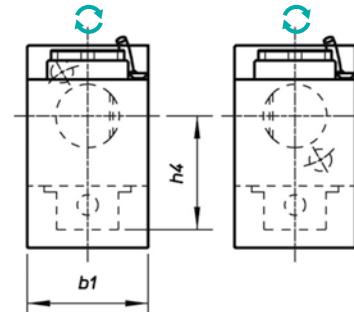
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



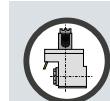
SINISTRO - LEFT
(Standard)



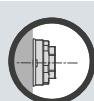
DESTRO - RIGHT
(Specify)



Per dischi assiali - For axial tool discs



TIPO - TYPE
Arretato
Rear Offset



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1



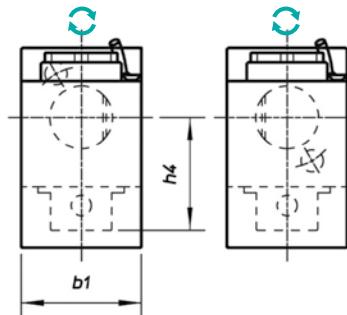
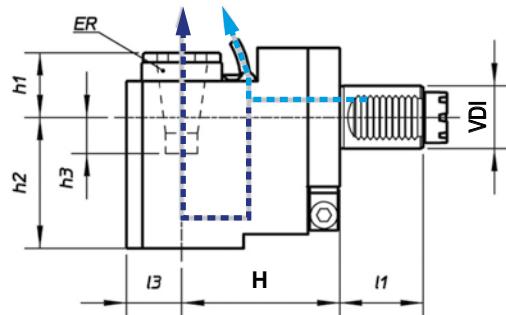
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.BF.0033	20	ER-16 - Ø1÷10	NO	35	75	26	50	28	48	4	56	13	6.000	5	
99.BF.0034	30	ER-25 - Ø1÷16	NO	45	85	31	64	14,5	90	45	52	32	5.000	8	
99.BF.0035	40	ER-32 - Ø2÷20	NO	53	100	35	76	20	106	40	72,5	63	4.000	10	
99.BF.0036	50	ER-40 - Ø3÷30	NO	70	110	44	88	31	136	46	79	100	4.000	12	

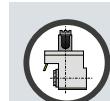
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SINISTRO - LEFT
(Standard)

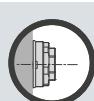
DESTRO - RIGHT
(Specify)



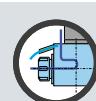
Per dischi assiali - For axial tool discs



TIPO - TYPE
Arretato
Rear Offset



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.BF.0037	30	ER-25 - Ø1÷16	✓	45	85	31	64	24	105,5	45,5	52	32	5.000	8	
99.BF.0038	40	ER-32 - Ø2÷20	✓	53	100	35	76	30	124	40	72,5	63	4.000	10	
99.BF.0039	50	ER-40 - Ø3÷30	✓	70	110	44	88	44	136	46	79	100	4.000	12	

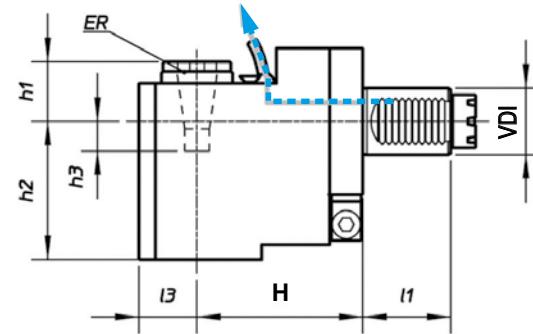
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60



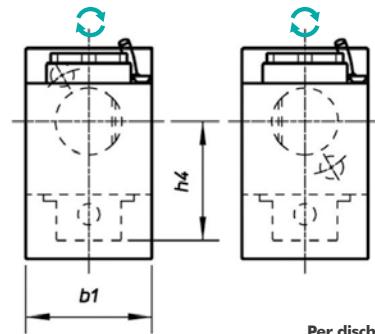
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BARUFFALDI



SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)



Per dischi assiali - For axial tool discs



TIPO - TYPE
Arretato
Rear Offset



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



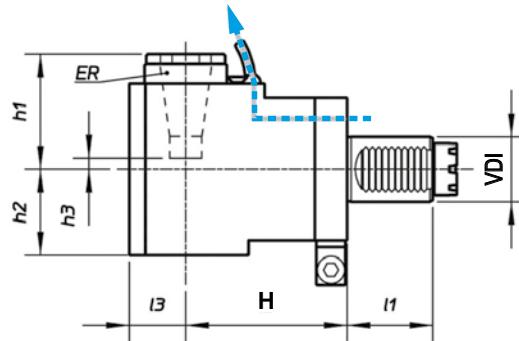
RATIO
1:4



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

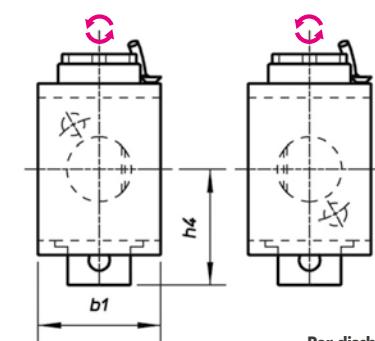
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99.BF.0040	20	ER-25 - Ø1÷16	NO	35	75	26	50	28	48	4	56	3	24.000	3	
99.BF.0041	30	ER-25 - Ø1÷16	NO	45	95	21	64	33	84	15	56	8	20.000	4	
99.BF.0042	40	ER-20 - Ø1÷13	NO	53	125	27	76	45	108	10	65,5	16	16.000	5	

4



SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)



Per dischi assiali - For axial tool discs



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
2:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.BF.0043	30	ER-25 - Ø1÷16	NO	45	55	31	64	56,5	48	3	52	63	2.500	8	
99.BF.0044	40	ER-32 - Ø2÷20	NO	53	100	35	76	71	55	-11	72,5	63	2.000	8	

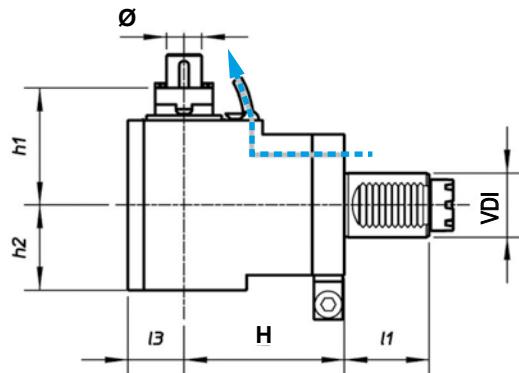
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

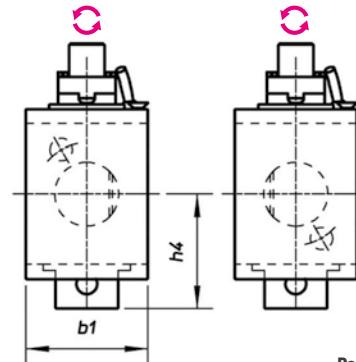


BARUFFALDI



SINISTRO - LEFT
(Standard)

(Specify)



Per dischi assiali - For axial tool discs



TIPO - TYPE

Radiale
Radial



USCITA - OUTPUT

Porta Fresa
Shell End Milling Cutter



REFRIGERANTE
COOLANT

Esterno
External



RATIO

2:1

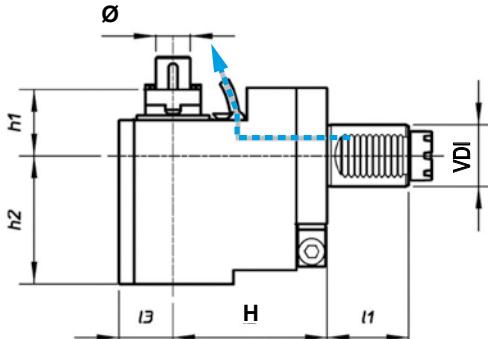


ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

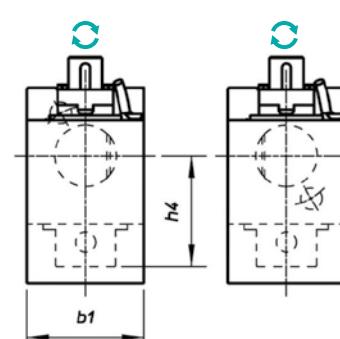
Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h4	Nm	Rpm	kw	
99.BF.0045	30	Ø22	NO	45	55	31	64	74	48	52	63	2.500	8	
99.BF.0046	40	Ø22	NO	53	100	35	76	78	55	72,5	63	2.000	8	

4

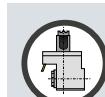


SINISTRO - LEFT
(Standard)

(Specify)



Per dischi assiali - For axial tool discs



TIPO - TYPE

Arretrato
Rear Offset



USCITA - OUTPUT

Porta Fresa
Shell End Milling Cutter



REFRIGERANTE
COOLANT

Esterno
External



RATIO

1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h4	Nm	Rpm	kw	
99.BF.0047	30	Ø22	NO	45	85	31	64	32	90	52	32	2500	8	

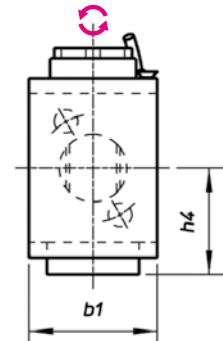
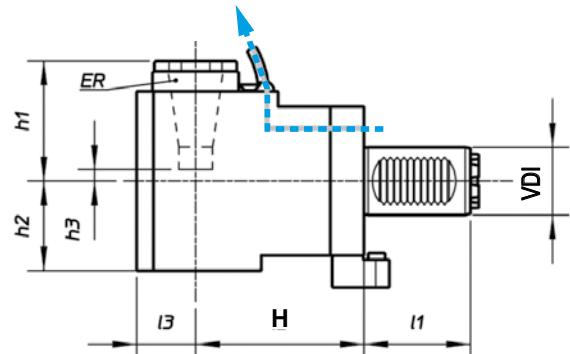
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60



Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BARUFFALDI



Per dischi radiali - For radial tool discs



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



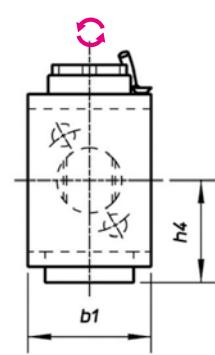
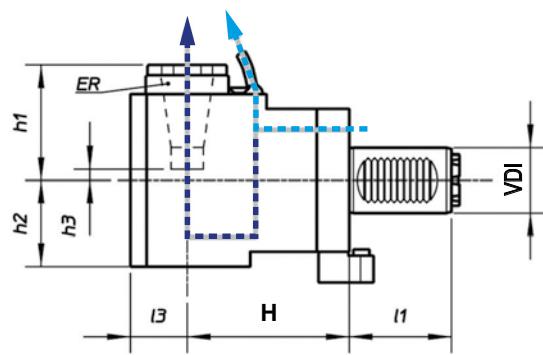
RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.BF.0057	30	ER-25 - Ø1÷16	NO	53	55	31	64	56	48	3	53	32	6000	8
99.BF.0058	30	ER-25 - Ø1÷16	NO	53	85	31	64	56	48	3	53	32	6000	8
99.BF.0059	30	ER-25 - Ø1÷16	NO	53	100	31	64	56	48	3	53	32	6000	8
99.BF.0060	50	ER-40 - Ø3÷30	NO	70	110	44	88	92	73	16	68	100	4000	12

4



Per dischi radiali - For radial tool discs



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



RATIO
1:1



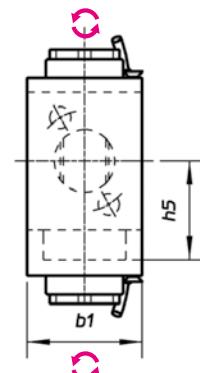
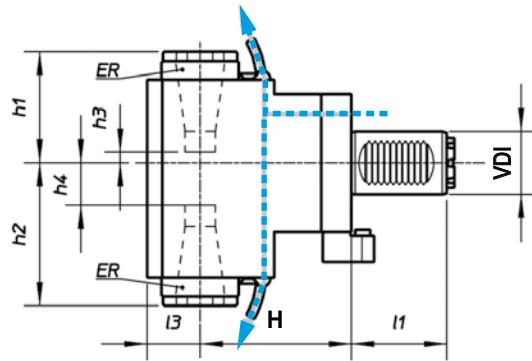
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.BF.0062	30	ER-25 - Ø1÷16	✓	53	85	31	64	56	60	3	53	32	6000	8
99.BF.0063	30	ER-25 - Ø1÷16	✓	53	100	31	64	56	60	3	53	32	6000	8
99.BF.0064	50	ER-40 - Ø3÷30	✓	70	110	44	88	92	62	16	68	100	4000	12

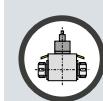
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60

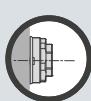
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



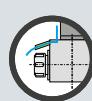
Per dischi radiali - For radial tool discs



TIPO - TYPE
Radiale Doppio
Double Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	b1	h1	h2	h3	h4	h5	Nm	Rpm	kw
99.BF.0067	30	ER-25 - Ø1÷16	NO	53	110	31	64	56	68	7	23	53	32	6000	8
99.BF.0068	50	ER-40 - Ø3÷30	NO	70	140	44	88	93	106	39	52	68	100	4000	12

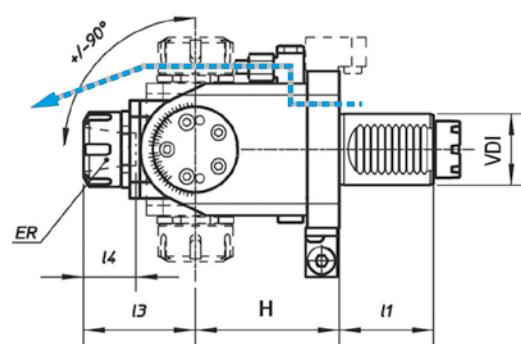
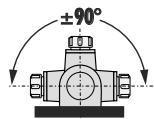
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 30 / VDI 40 / VDI 50 / VDI 60



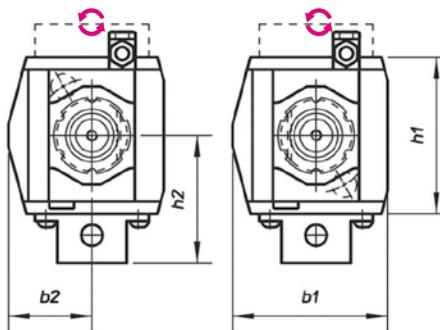
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BARUFFALDI



SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)



TIPO - TYPE
Orientabile
Adjustable $\pm 90^\circ$



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External

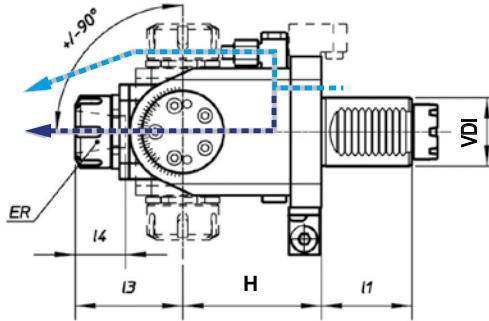


RATIO
1:1



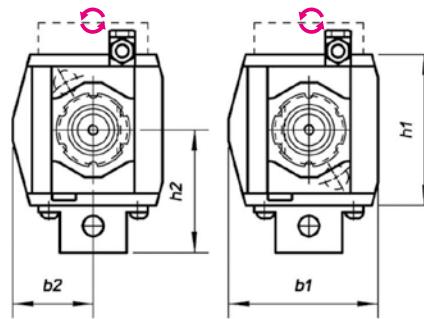
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw
99.BF.0051	30	ER-20 - Ø1÷13	NO	45	64	52	37	70	37	64	54	15	6.000	3
99.BF.0052	30	ER-20 - Ø1÷13	NO	45	97	52	37	70	37	64	54	15	6.000	3
99.BF.0053	40	ER-25 - Ø1÷16	NO	53	81	63	42	87	47	88	71	25	6.000	4



SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)



TIPO - TYPE
Orientabile
Adjustable $\pm 90^\circ$



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw
99.BF.0054	30	ER-20 - Ø1÷13	✓	45	64	52	37	70	37	64	54	15	6.000	3
99.BF.0055	30	ER-20 - Ø1÷13	✓	45	97	52	37	70	37	64	54	15	6.000	3
99.BF.0056	40	ER-25 - Ø1÷16	✓	53	81	63	42	87	47	88	71	25	6.000	4



VDI 20 - 30 - 40 - 50 - 60

**VDI
DIN 1809**

TORRETTA TIPO / TURRET TYPE
DIN69880 (VDI STANDARD)



DIN 1809



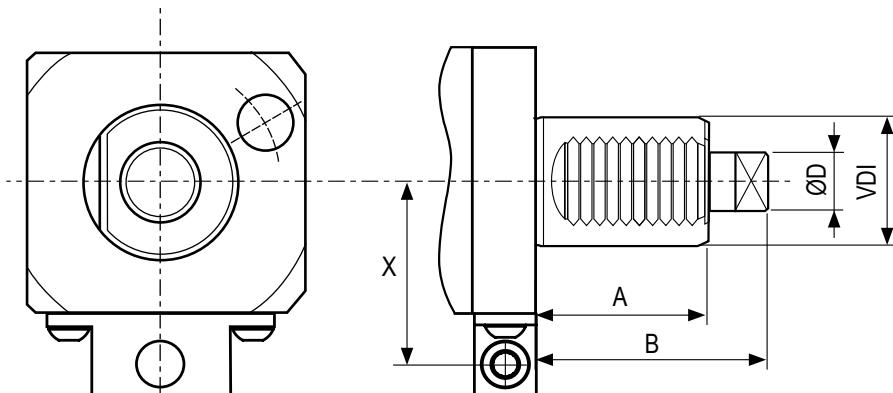
DIN 5480



DIN 5482



BARUFFALDI



VDI	A	B	ØD	E	X
20	35	48	10	5	40
30	45	62	12	6	40
40 *	53	72	18	8	56 / 63 *
50	78	92	24	13	63
60	83	110	29	14	-

* VDI40: Specificare interasse X in fase d'ordine - Specify always the "X" pitch you need



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiavi bloccaggio albero Art.179CH /
ugello refrigerazione Art.180 / vite bloccaggio ugello
Art.179CH shaft lock wrench /
cooling nozzle Art.180 / nozzle lock screws



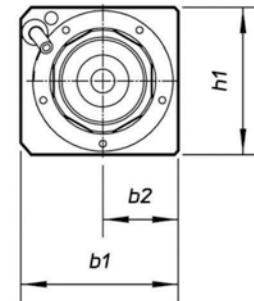
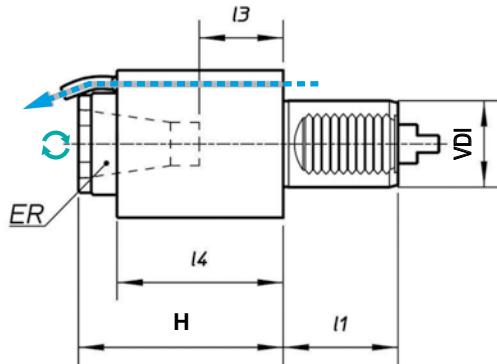
CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15 MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

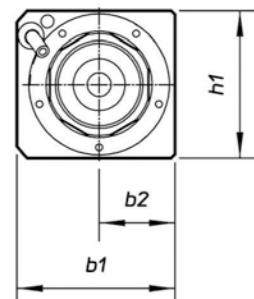
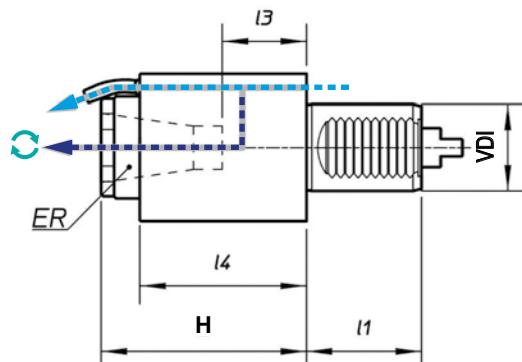
VDI 20 / VDI 25 / VDI 30 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

VDI
DIN 1809


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	Esterno External	1:1 1:4	Uguale al mandrino Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.DP.0901	20	ER-20 - Ø1+13	NO	35	65	25	37	50	25	56	13	6000	5	
99.DP.0902	20	ER-20 - Ø1+13	NO	35	90	49	61	50	25	56	13	6000	5	
99.DP.0903	30	ER-25 - Ø1+16	NO	45	94	39	88	62	31	64	32	6000	8	
99.DP.0904	30	ER-25 - Ø1+16	NO	45	66	21	59	62	31	64	32	6000	8	
99.DP.0905	40	ER-32 - Ø2+20	NO	53	115	54	97	73	35	70	63	5000	10	
99.DP.0907	50	ER-40 - Ø3+30	NO	70	120	45	102	88	44	88	100	4000	12	
99.DP.0908	50	ER-40 - Ø3+30	NO	70	88	69	25	88	44	88	100	4000	12	
99.DP.0909	60	ER-50 - Ø7+34	NO	83	170	69	109	110	55	110	160	3200	15	
99.DP.0915	20	ER-16 - Ø1+10	NO	35	100	68	85	50	25	56	3	24000	3	
99.DP.0916	30	ER-16 - Ø1+10	NO	45	100	58	88	62	31	64	8	20000	4	

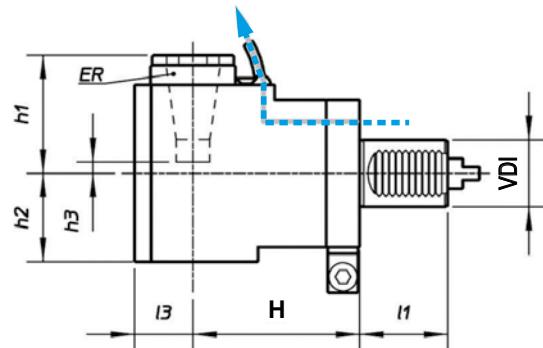
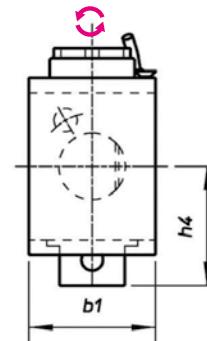


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	25 bar	1:1	Uguale al mandrino Same as machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	Nm	Rpm	kw	
99.DP.0910	30	ER-25 - Ø1+16	✓	45	94	39	88	62	31	64	32	6000	8	
99.DP.0911	40	ER-32 - Ø2+20	✓	53	115	54	97	73	35	70	63	5000	10	
99.DP.0913	50	ER-40 - Ø3+30	✓	70	120	45	102	88	44	88	100	4000	12	
99.DP.0914	60	ER-50 - Ø7+34	✓	83	170	69	109	110	55	110	160	3200	15	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES
VDI 20 / VDI 25 / VDI 30 / VDI 50 / VDI 60

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


**SINISTRO - LEFT
(Standard)**

**DESTRO - RIGHT
(Specify)**

**VDI
DIN 1809**
TIPO - TYPE
Radiale
Radial

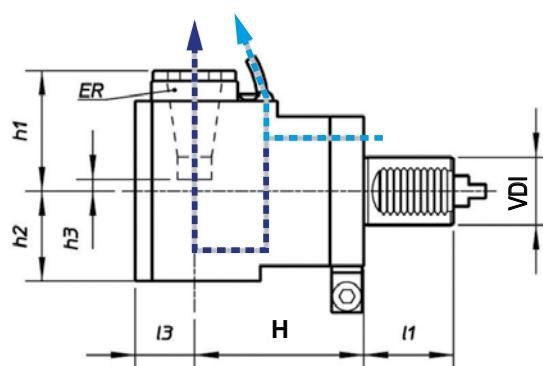
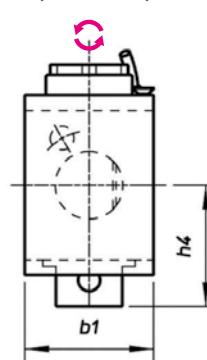
USCITA - OUTPUT
Porta Pinza
Collet Chuck

**REFRIGERANTE
COOLANT**
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.DP.0918	20	ER-20 - Ø1÷13	NO	35	60	25	50	60	38	19	57	13	6000	5	
99.DP.0919	30	ER-25 - Ø1÷16	NO	45	55	31	64	56	48	3	52	32	6000	8	
99.DP.0920	30	ER-25 - Ø1÷16	NO	45	85	31	64	56	48	3	52	32	6000	8	
99.DP.0921	30	ER-25 - Ø1÷16	NO	45	100	31	64	56	48	3	52	32	6000	8	
99.DP.0922	40	ER-32 - Ø2÷20	NO	53	100	35	76	71	55	11	71	63	6000	10	
99.DP.0923	50	ER-40 - Ø3÷30	NO	70	110	44	88	92	73	16	79	100	4000	12	
99.DP.0924	60	ER-50 - Ø7÷34	NO	83	130	52	110	149	83	46	100	160	3200	15	

4

**SINISTRO - LEFT
(Standard)**

**DESTRO - RIGHT
(Specify)**

TIPO - TYPE
Radiale
Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

**REFRIGERANTE
COOLANT**
25 bar

RATIO
1:1

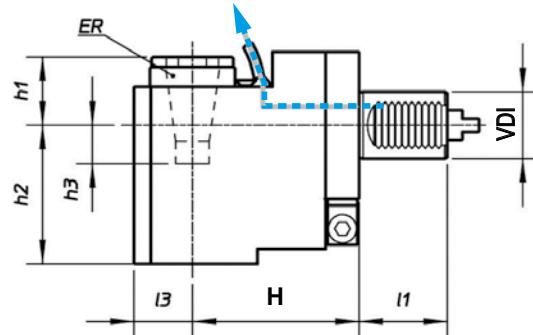
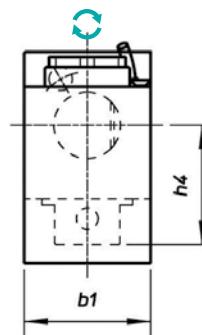
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

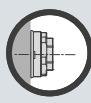
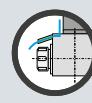
Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw	
99.DP.0925	30	ER-25 - Ø1÷16	✓	45	55	31	64	56	60	3	52	32	6000	8	
99.DP.0926	30	ER-25 - Ø1÷16	✓	45	85	31	64	56	60	3	52	32	6000	8	
99.DP.0927	30	ER-25 - Ø1÷16	✓	45	100	31	64	56	60	3	52	32	6000	8	
99.DP.0928	40	ER-32 - Ø2÷20	✓	53	100	35	76	71	62	11	71	63	5000	10	
99.DP.0929	50	ER-40 - Ø3÷30	✓	70	110	44	88	92	73	16	79	100	4000	12	
99.DP.0930	60	ER-50 - Ø7÷34	✓	83	130	52	110	149	83	46	100	160	3200	15	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 25 / VDI 30 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

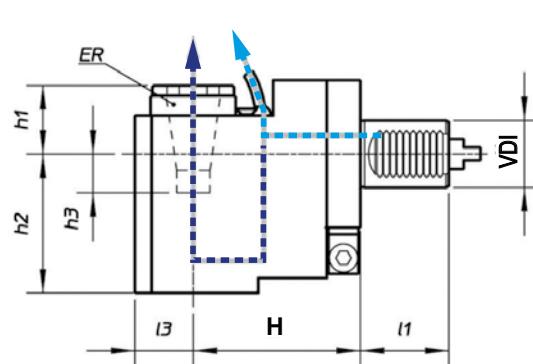
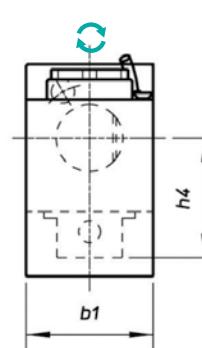
VDI
DIN 1809

SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)

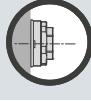
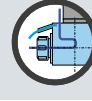
TIPO - TYPE
Arretrato
Rear Offset

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	VDI	Output	Int Cool.	l1	H	l3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.DP.0931	20	ER-16 - Ø1÷10	NO	35	75	26	50	28	48	4	56	13	6.000	5
99.DP.0932	30	ER-25 - Ø1÷16	NO	45	85	31	64	14,5	90	45	52	32	5.000	8
99.DP.0933	40	ER-32 - Ø2÷20	NO	53	100	35	76	20	106	40	72,5	63	4.000	10
99.DP.0934	50	ER-40 - Ø3÷30	NO	70	110	44	88	31	136	46	79	100	4.000	12

4

SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)

TIPO - TYPE
Arretrato
Rear Offset

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

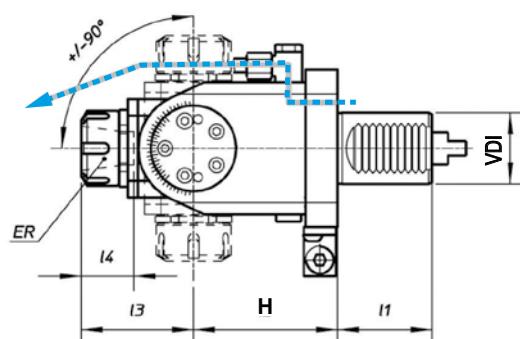
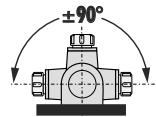
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

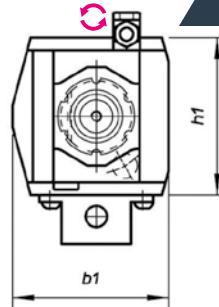
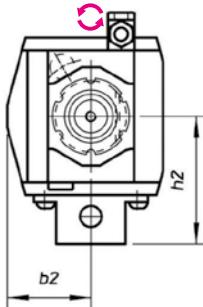
Code	VDI	Output	Int Cool.	H	I2	I3	b1	h1	h2	h3	h4	Nm	Rpm	kw
99.DP.0935	30	ER-25 - Ø1÷16	✓	85	45	31	64	24	105,5	45,5	52	32	5.000	8
99.DP.0936	40	ER-32 - Ø2÷20	✓	100	53	35	76	30	124	40	72,5	63	4.000	10
99.DP.0937	50	ER-40 - Ø3÷30	✓	110	70	44	88	44	136	46	79	100	4.000	12

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI 20 / VDI 25 / VDI 30 / VDI 50 / VDI 60


Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)

VDI
DIN 1809

TIPO - TYPE
Orientabile
Adjustable ±90°

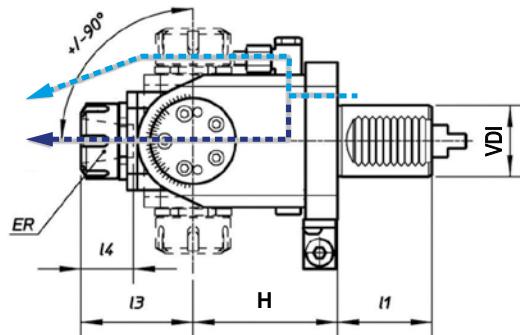
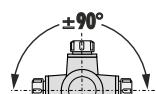
USCITA - OUTPUT
Porta Pinza
Collet Chuck

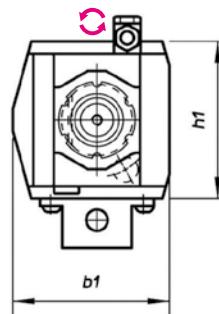
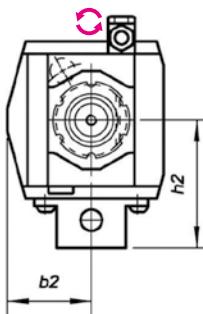
REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw	
99.DP.0940	30	ER-20 - Ø1÷13	NO	45	64	52	37	70	37	64	54	15	6.000	3	
99.DP.0941	30	ER-20 - Ø1÷13	NO	45	97	52	37	70	37	64	54	15	6.000	3	
99.DP.0942	40	ER-25 - Ø1÷16	NO	53	81	63	42	87	47	88	71	25	6.000	4	

4

SINISTRO - LEFT
(Standard)

DESTRO - RIGHT
(Specify)

TIPO - TYPE
Orientabile
Adjustable ±90°

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

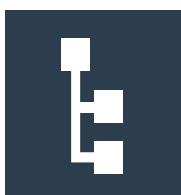
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	VDI	Output	Int Cool.	I1	H	I3	I4	b1	b2	h1	h2	Nm	Rpm	kw	
99.DP.0943	30	ER-20 - Ø1÷13	✓	45	64	52	37	70	37	64	54	15	6.000	3	
99.DP.0944	30	ER-20 - Ø1÷13	✓	45	97	52	37	70	37	64	54	15	6.000	3	
99.DP.0945	40	ER-25 - Ø1÷16	✓	53	81	63	42	87	47	88	71	25	6.000	4	

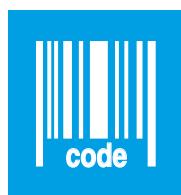


PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



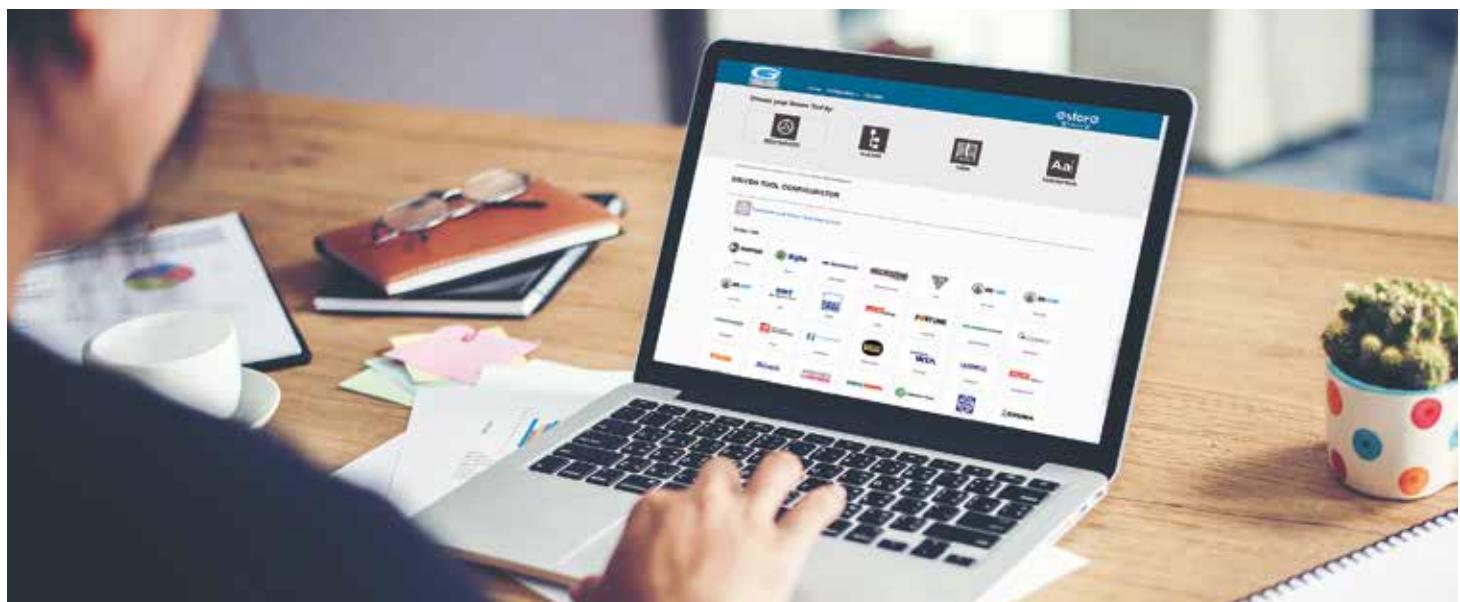
by configurator

Un nuovo modo facile e veloce per ordinare la tua attrezzatura Gerardì

Il nuovo Gerardì estore offre la possibilità di visualizzare e ordinare qualsiasi articolo Gerardì appartenente alle categorie Workholding o Tooling presente sui nostri listini in modo semplice, veloce e completo. Da ora puoi ordinare la morsa, la testa angolare o il motorizzato che ti interessa direttamente on-line dal nostro estore senza costi aggiuntivi.

A new quick and easy way to order your equipment branded Gerardì.

The new Gerardì estore offers the ability to view and order any item available on our Workholding and Tooling catalogues with the easiest, fastest and comprehensive way. You can now order the vise, angle head or driven tool of your interest directly online from our store without any additional cost.

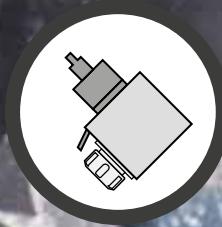


WINDOWS / IOS



ANDROID / IPHONE





- BIGLIA
- BMT
- DMG MORI
- GOODWAY
- HAAS
- MAZAK
- MIYANO
- NAKAMURA
- OKUMA
- SPINNER
- TAKISAWA JAPAN
- TAKISAWA TAIWAN
- TSUGAMI

5

*Upgrade your lathe
and boost productivity!*

VDI e BMT DRIVEN TOOLS

Portautensili motorizzati / Driven Tools

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MOTORIZZATI - DRIVEN TOOLS

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BIGLIA			
BMT40	NEW 2024	from 5.17 to 5.20	DISASSATO AXIAL OFF-SET
ASSIALE PORTA PINZA AXIAL COLLET CHUCK			ADIALE PORTA PINZA RADIAL COLLET CHUCK
DOPPIO ASSIALE PORTA PINZA DOUBLE AXIAL COLLET CHUCK			RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER
RADIALE PORTA PINZA RADIAL COLLET CHUCK			DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK			ORIENTABILE ±90° ADJUSTABLE ±90°
BMT55			65
ASSIALE PORTA PINZA AXIAL COLLET CHUCK			ASSIALE PORTA PINZA AXIAL COLLET CHUCK
RADIALE PORTA PINZA RADIAL COLLET CHUCK			RADIALE PORTA PINZA RADIAL COLLET CHUCK
DOPPIO ASSIALE PORTA PINZA DOUBLE AXIAL COLLET CHUCK			RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER
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ORIENTABILE ±90° ADJUSTABLE ±90°		from 5.21 to 5.32	ORIENTABILE ±90° ADJUSTABLE ±90°
ASSIALE DISASSATO AXIAL OFF-SET			75
ASSIALE PORTA FRESA AXIAL SHELL END MILLING CUTTER			ASSIALE PORTA PINZA AXIAL COLLET CHUCK
RADIALE DOPPIO PORTA FRESA DOUBLE RADIAL SHELL END MILLING CUTTER			RADIALE PORTA PINZA RADIAL COLLET CHUCK
RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER			RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER
ASSIALE WELDON AXIAL WELDON OUTPUT			DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK
BMT			ORIENTABILE ±90° ADJUSTABLE ±90°
45			85
ASSIALE PORTA PINZA AXIAL COLLET CHUCK			ASSIALE PORTA PINZA AXIAL COLLET CHUCK
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RADIALE PORTA PINZA RADIAL COLLET CHUCK			RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER
RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER			ORIENTABILE ±90° ADJUSTABLE ±90°
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK			DMG MORI
ORIENTABILE ±90° ADJUSTABLE ±90°			NLX
55			ASSIALE PORTA PINZA / WELDON / C. ISO26623 AXIAL COLLET CHUCK / WELDON / C. ISO26623
ASSIALE PORTA PINZA AXIAL COLLET CHUCK			ASSIALE PORTA FRESA AXIAL SHELL END MILLING CUTTER
			DISASSATO PORTAPINZA OFFSET AXIS COLLET CHUCK
			DOPPIO ASSIALE PORTA PINZA DOUBLE AXIAL COLLET CHUCK

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RADIALE PORTA PINZA 4 / 8 USCITE RADIAL COLLET CHUCK 4 / 8 OUTPUTS		
ORIENTABILE ±90° ADJUSTABLE ±90°		
PORTA CREATORE DRIVEN GEAR HOBBER		
NZ		
ASSIALE PORTA PINZA / WELDON AXIAL COLLET CHUCK / WELDON		
ASSIALE PORTA FRESA AXIAL SHELL END MILLING CUTTER		
DOPPIO ASSIALE PORTA PINZA DOUBLE AXIAL COLLET CHUCK		
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ARRETRATO REAR OFFSET		
DOPPIO ARRETRATO RADIALE PORTA PINZA DOUBLE REAR OFFSET RADIAL COLLET CHUCK		
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK		
ORIENTABILE ±90° ADJUSTABLE ±90°		
SL/ZL/DL		
ASSIALE PORTA PINZA AXIAL COLLET CHUCK		
RADIALE PORTA PINZA RADIAL COLLET CHUCK		
RADIALE ROVESCIATO RADIAL UPSIDE DOWN		
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK		
ORIENTABILE ±90° ADJUSTABLE ±90°		
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RADIALE PORTA PINZA RADIAL COLLET CHUCK		
HAAS		
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RADIALE PORTA PINZA RADIAL COLLET CHUCK		
ORIENTABILE ±90° ADJUSTABLE ±90°		
L=117,55		
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ORIENTABILE ±90° ADJUSTABLE ±90°		
L=130,25		
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RADIALE PORTA PINZA RADIAL COLLET CHUCK		
RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER		
DOPPIO RADIALE PORTA PINZA DOUBLE RADIAL COLLET CHUCK		
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ORIENTABILE ±90° ADJUSTABLE ±90°	
ORIENTABILE ±90° ADJUSTABLE ±90°	
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RADIALE PORTA PINZA / FRESA RADIAL COLLET/TOOL HOLDER	NEW
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DOPPIO ARRETRATO DOUBLE REAR OFFSET	
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RADIALE ROVESCIATO RADIAL UPSIDE DOWN	
RADIALE DOPPIO DOUBLE RADIAL	
ORIENTABILE ±90° ADJUSTABLE ±90°	
QUICK TURN SMART	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
RADIALE PORTA PINZA RADIAL COLLET CHUCK	
DISASSATO PORTAPINZA OFFSET AXIS COLLET CHUCK	
ARRETRATO PORTAPINZA REAR OFFSET COLLET CHUCK	
ARRETRATO DOPPIO DOUBLE REAR OFFSET	
ORIENTABILE ±90° ADJUSTABLE ±90°	
5	
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RADIALE PORTA FRESA RADIAL SHELL END MILLING CUTTER	
RADIALE DOPPIO DOUBLE RADIAL	
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Ø54	
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ORIENTABILE ±90° ADJUSTABLE ±90°		RADIALE PORTA PINZA RADIAL COLLET CHUCK	
BMT65	from 5.125 to 5.126	TAKISAWA JAPAN	NEW 2024
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RADIALE PORTA PINZA RADIAL COLLET CHUCK		RADIALE PORTA PINZA RADIAL COLLET CHUCK	
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ORIENTABILE ±90° ADJUSTABLE ±90°		TAKISAWA TAIWAN	NEW 2024
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VDI40	5.130	TSUGAMI	
ASSIALE PORTA PINZA AXIAL COLLET CHUCK	NEW	BMT65	
RADIALE PORTA PINZA RADIAL COLLET CHUCK	NEW	ASSIALE PORTA PINZA AXIAL COLLET CHUCK	
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ASSIALE PORTA PINZA AXIAL COLLET CHUCK		RADIALE 4 USCITE PORTA PINZA 4 OUTPUTS RADIAL COLLET CHUCK	
RADIALE PORTA PINZA RADIAL COLLET CHUCK		ORIENTABILE ±90° ADJUSTABLE ±90°	

Novità / News

**NEW
2024**

Motorizzati / Driven tools



Biglia lathes

Nuova gamma di motorizzati BMT44 ad alte prestazioni
New high performance range BMT44



Goodway lathes

Nuova gamma di motorizzati G1 e G4 per torni GOODWAY
New range G1 and G4 Driven tools for Goodway lathes



Mazak lathes

Nuovi modelli QTS e HQ
New driven tools for QTS and HQ lathes



Okuma lathes

Nuove ampie gamme di motorizzati per torni OKUMA VDI40 - BMT55
New wide ranges of Driven tools for OKUMA VDI40 and BMT65 lathes



Spinner lathes

Nuove ampie gamme di motorizzati per torni SPINNER VDI30 - BMT45
New wide ranges of Driven tools for SPINNER VDI30 and BMT45 lathes



Takisawa Japan lathes

Nuove gamme per torni TAKISAWA TAIWAN & TAKISAWA JAPAN
New range for TAKISAWA TAIWAN & TAKISAWA JAPAN



Takisawa Taiwan lathes

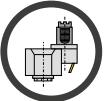
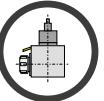
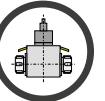
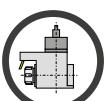
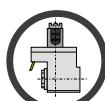
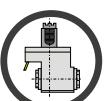
Nuova gamma di motorizzati per torni TAKISAWA TAIWAN lathes
New range of Driven Tools for TAKISAWA TAIWAN lathes



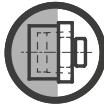
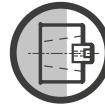
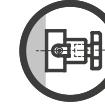
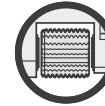
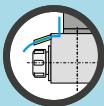
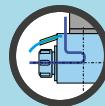
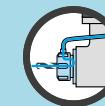
Tsugami lathes

Nuovi Codici e Modelli Disponibili
New Codes and types available

SIMBOLI TIPOLOGIE MOTORIZZATI DRIVEN TOOLS DESIGN LOGOS

							
Assiale Axial	Assiale doppio Double Axial	Disassato Offset Axis	Disassato Doppio Double Offset Axis	Radiale Radial	Radiale Doppio Double Radial	Radiale 4 Uscite Radial 4 Outputs	Radiale 8 Uscite Radial 8 Outputs
							
Radiale Rovesciato Radial Upside Down	Arretrato Rear Offset	Arretrato Doppio Double Rear Offset	Orientabile ±90° Adjustable ±90°	Portacreatore Driven Gear Hobber			

SIMBOLOGIA DATI TECNICI TECHNICAL DATA LOGOS

USCITA OUTPUT						
PASSAGGIO REFRIGERANTE COOLANT						
				Refrigerante Esterno External Coolant	Refrigerante Interno Internal Coolant	Refrigerante Interno Internal Coolant
				20 / 25 / 80 100bar		ReCool NUT
USCITA OUTPUT						
			Rapporto Ratio	Rotazione uguale al mandrino Rotation same as machine spindle	Rotazione opposta al mandrino Rotation opposite as machine spindle	Rotaz. uguale ed op- posta al mandrino Rotation same & opposite as machine spindle

Portautensili Motorizzati / Driven tools

VDI & BMT

Più di 1000 modelli disponibili - More than 1000 types available



Velocità / High-speed
24.000 Rpm



Internal coolant
fino a / Up to
100 Bar

USCITE MULTIPLE MULTIPLE OUTPUTS

Tutti i motorizzati, ad esclusione di quelli ad angolo variabile, possono essere forniti con doppia pinza contrapposta anche di pari grandezza. Sono stati realizzati per i modelli di tornio più recenti anche motorizzati assiali con doppia / tripla uscita frontale e radiali doppia uscita frontale.

All the driven tools, with the exception of those with adjustable angle, can be supplied with double or multiple output even of the same dimension. Multiple outputs can be opposite or with the same direction.

ALTA VELOCITÀ RATIO 1:4 HIGH SPEED RATIO 1:4

(Opzione di moltiplica del numero di giri dalla torretta del tornio da 2 a 4 volte). Su richiesta, quasi tutti i modelli di motorizzati sono fornibili con velocità di rotazione fino a 24.000 Rpm. Questa soluzione permette di adeguare il numero di giri della torretta alle velocità di taglio delle nuove tipologie di utensili in commercio. Il sistema epicicloidale (interno) consente di mantenere inalterate le dimensioni di ingombro dei vari modelli, senza quindi penalizzare in alcun modo la funzionalità della macchina.

N.B: I motorizzati standard con rapporto 1:1 hanno regime di rotazione Max. 12.000 Rpm.

All the driven tools types are available with speed until 24.000 Rpm. There is also the possibility of speed increaser from 2 to 4 times thus adapting the Rpm of the turret drive to the speed of today's cutting tools. The epicyclic speed increaser system (a system of satellite gears) is self contained in the standard head overall dimensions and guarantees the same standards of quality and reliability.

Attention: The standard rotary tools with 1:1 ratio have a Max Speed of 12.000Rpm



Radiale 8 uscite
Radial 8 outputs



Radiale doppio
Double radial



Perno eccentrico Eccentric pin

Nuovo perno di regolazione eccentrico per il posizionamento preciso ed accurato del motorizzato sulla torretta (per modelli Mazak QTN).

New eccentric regulation pin for an accurate positioning of the driven tool on the turret. (for Mazak QTN models).



Maschiatura Tapping

Per le operazioni di maschiatura, tutti i nostri motorizzati possono utilizzare pinze compensate ET-1 perfettamente intercambiabili con le normali pinze secondo norma DIN 6499. Esse consentono una compensazione assiale da 7 a 13 mm a seconda della grandezza per recuperare eventuali errori di avanzamento e per l'inversione della rotazione.

For tapping operations all driven tools can be equipped with axially compensated collets ET-1 interchangeable with the standard ER collets according the international standard DIN 6499. They allow the tap an axial compensation from 7 to 13 mm according to their size in order to compensate any feed error and the inversion of the rotation of direction.



Cuscinetti Ball Bearings

Cuscinetti di precisione a contatto obliquo, precati, e lubrificati con grasso a vita.

Preloaded angular contact ball bearings precision and long life lubrication.



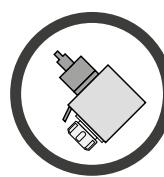
Ingranaggi Gleason Gleason Spiral bevel

Conica di ingranaggi spiroidali Gleason con evolvente rettificato ottimizzato

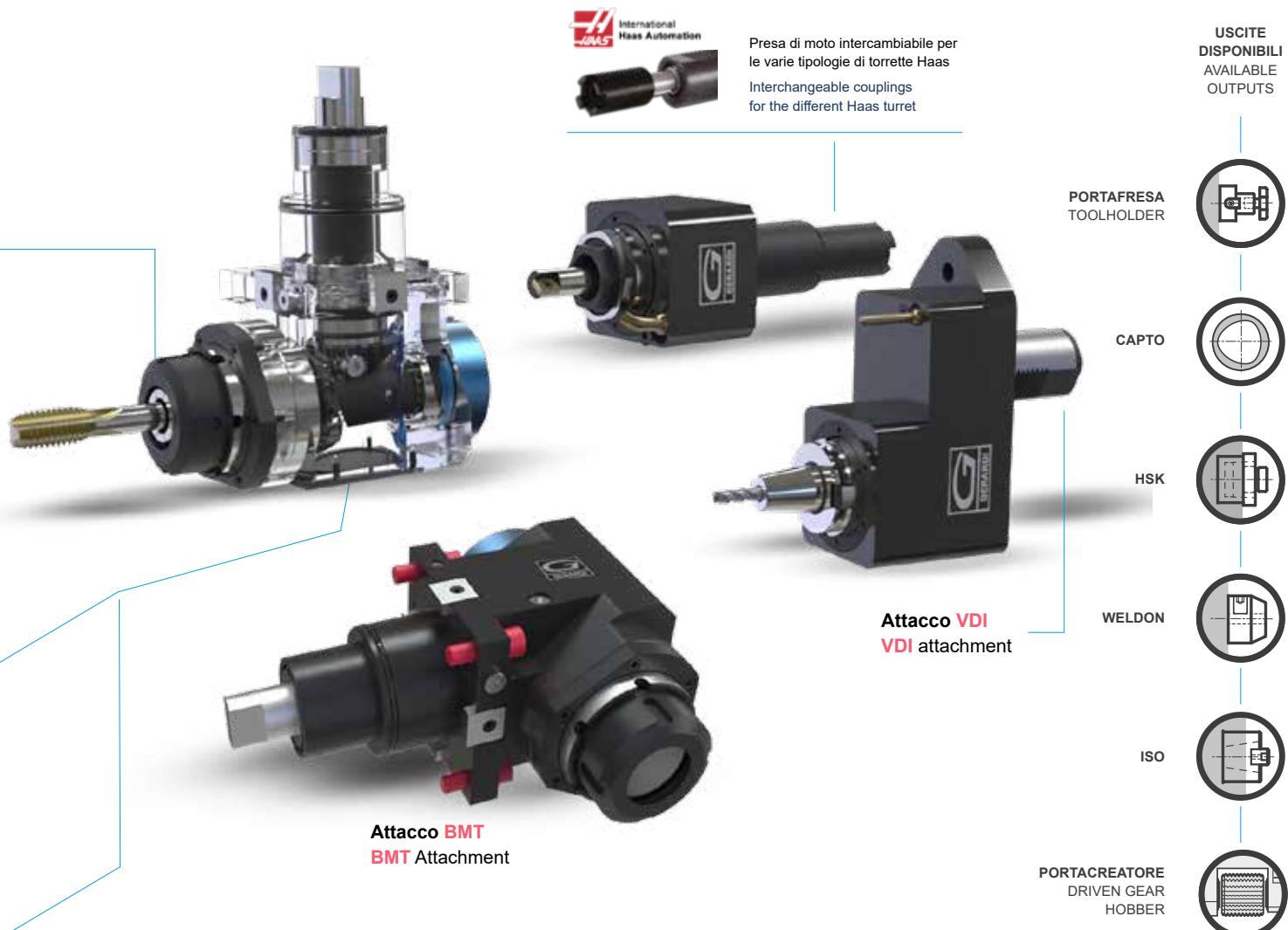
Gleason spiral bevel gears with completely ground involute form

I portautensili motorizzati per centri di tornitura a controllo numerico consentono di eseguire lavorazioni di fresatura, foratura e maschiatura sul tornio stesso e senza ulteriori piazzamenti. Anche in questo caso Gerardi propone un'ampia gamma di modelli, adatti ad attrezzare i torni e le torrette motorizzate dei maggiori costruttori di torni a livello mondiale con un rapporto qualità/prezzo insuperabile.

Driven tools for CNC turning centres allows milling, drilling and tapping operations on the lathes without additional parts handling. Also in this case Gerardi can supply a wide range of types in order to equip the CNC lathes and turrets of the most popular builders on the market with an unbeatable price/quality ratio.



*Upgrade your lathe
and boost productivity!*



5



COMPATIBILITÀ MOTORIZZATI DRIVEN TOOLS COMPATIBILITY

In fase d'ordine specificare: COSTRUTTORE, MODELLO & N° POSIZIONE TORRETTA

In case of order please specify MACHINE BUILDER, MODEL & TURRET N°

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DIN 5480		VDI 30, 40, 50, 60	
DIN 5482	VDI	VDI 20, 30, 40, 50	from page 4.11 to page 4.44
BARUFFALDI		VDI 20, 30, 40, 50, 60	
DIN 1809		VDI 20, 25, 30, 40, 50, 60	
BIGLIA	BMT 40	B436	from page 5.17 to page 5.20
DOOSAN	BMT 55	B301 / 445 / 455 / 470 / 501 (Y-S) 510 / 545 / 550 / 565 / 650 / 658 1200 / 446 / 465 / 745 / 765 B750 / 1250 16 STATIONS	from page 5.21 to page 5.32
Hardinge		LYNX 2100LYA/LYB 24 POSITIONS - 2100MA/220 (LMSA,LMSC) - 220 (LSYA,LYC), 220 (N,LM) - 220 (MA,LMA,MC,LMC) - 220 (YA,YC,LYA,LYC) PUMA MX1600 (T,ST)	
Jyoti	BMT 45	GS42, 51 - T-42,51 SUPER PRECISION TALENT 42, 51	
Nexturn		AX 200 - TMC 250, 350	from page 5.33 to page 5.39
Samsung		NST 56/67	
Victor		PL 1600 (M / CM) - SL 15M	
		VTURN NP-16 CM	

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DOOSAN		LYNX 300(M) PUMA 1500/2000/2500(M,S,Y) - 2100(Y,LY,SY,L-SY) - 2100/2600/3100(M/Y/MS/SY) - 230/240/280(N,LM,S) - GT2100M - H250TM - MX1600 / 2100(ST/LST) - TL2000/2500(M,LM) - TT1500/1800(MS,SY) - TW2600	
Goodway		GTX, GTZ 2000, 2600 16 STATIONS	
Hardinge		CONQUEST H51 SUPER PRECISION T56 - T65	
Hwacheon	BMT 55	CUTEX-160 / 180 / 240 / T2 (MC / SMC / YMC / YSMC) VT 450 (MC)	
Hyundai WIA		HD2200 (M / MC) - SKT-160 / 180 TTMS / TTSY / LM1600 / 1800 TTSY L160, 230 (MA / LMA / LMSA) SKT-160, 180 (TTMS / TTSY)	from page 5.40 to page 5.44
Jyoti		AX 300	
Samsung		PL 240 (LM) SL 1500,2000 (M/SY)	
Victor		VTURN-A16, A20 (CM/SCM/YCM/YSM) - Q200	
Takisawa Taiwan		Takisawa Taiwan UX-2000 UX-2000	

COMPATIBILITÀ MOTORIZZATI DRIVEN TOOLS COMPATIBILITY

In fase d'ordine specificare: COSTRUTTORE, MODELLO & N° POSIZIONE TORRETTA

In case of order please specify MACHINE BUILDER, MODEL & TURRET N°

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DOOSAN		PUMA 2100/2600 (M, LM, MS, LMS) (Y, LY, SY, LSY) / 300 (M, MS, MB, MC) / 3100 (M, LM, LY, XL-M, XLY, ULM, ULY) / MX2000/2500 / MX2600 (T, SY, ST) / TT2500 (MS/SY) / V400 (M) / VT450 (M, ZSP) / TT2000 - INVERTURN 3000 (M)	
Goodway		GLS 2800, 2300 - GMS 2000 (ST) 15 STATIONS GMT 2000 - GS 2000, 2800 16 STATIONS - GTX / GTZ 2000, 2600 12 STATIONS	
Haas		ST20 - ST25 - ST30 - ST35 - DS30Y - ST-20Y ST-25Y - ST-30Y - ST-35Y	
Hardinge		GS-65	
Hwacheon	BMT 65	CUTEX-240 (MC/SMC) - HI-TECH 200, 230, 300, 400, 450 (MC/SMC/ YMC/YSMC) T2-SERIES (MC/SMC/YMC/YSMC) VT-450	from page 5.45 to page 5.48
Hyundai WIA		L300 (MA/MC/LMA/LMC/SMA/SMC/ LMSA) - LM 2000, 2500 (TTM/TMNS/TSY) - L2000, 2100, 2600, 3000 (Y/LS/SY/LSY) - SKT200, 250 (TSY) - SKT250, 300 (LM/LMS/M/MS)	
Samsung		SL25/35 - PL20/25/35M - PL35LM - PL2000/2500M - SL3500 (Y)	
Spinner		TC800 SMCY	
Victor		VTURN-A26 (CM / SCM / YCM / YSCM)	
Takisawa Taiwan		Takisawa Taiwan LA-250 YS II T15 LA-250 YS II T15 LX-2500, 3000M/Y NEX-110Y NX-2500 T12 NX-2500 T15	

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DOOSAN		PUMA 400, 480, 500 (M / LM) - 4100, 5100 (M / LY) - V550, 8300 (M) - VT750 (M / M-ZSP) DN SOLUTIONS PUMA V8300 M	
Hwacheon		HI-TECH 550/700/850/7026 - VT550 / 650 (MC)	
BMT 75		L400 (MA / LM / LC / LMC) - LV800 (RM) V80 (R / RM) - SKT-400 (M / LMC)	from page 5.49 to page 5.51
Samsung		45 (M) - 800 (VM) - SL45 - 5500 (M)	
Victor		V-TURN 40, 45 (CM / YCM)	
DOOSAN		PUMA VT900M (TM/M) + 18141VTI - 100M (M) + 18141 - 600 (M/LW/M) + 18141 - 700 (M LW/M) + 18141 - 800 (M/LM) - VT1100 (M)	
Hwacheon		VT-950, 1150 (MC) HI-TECH 850 (MC / YMC)	
BMT 85		L600, 700, 800 (MA / LMA) LV1100 (RM) - SKT600, 700 (LM)	from page 5.52 to page 5.54
Samsung		PL 60, 70, 80 (M / LM) - SL65 - SLW1000 (M)	
Victor		V-TURN V1000 (CM)	

COMPATIBILITÀ MOTORIZZATI DRIVEN TOOLS COMPATIBILITY

In fase d'ordine specificare: COSTRUTTORE, MODELLO &

N° POSIZIONE TORRETTA

In case of order please specify MACHINE BUILDER, MODEL &
TURRET N°

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DMG MORI	NL NLX	NL 1500 / 2000 / 2500 / 3000 / 4000 12 STATIONS NL 2000 (S)MC - 2500 (S)MC NL3000MC 12 STATIONS NT 3250 / 4200 / 4250 / 4300 / 5400 / 4000 / 5000 NZL 2000/2500 - NZX 2500 12 STATIONS NTX 2000 / 2500 / 3000 - 2ND GEN. 10 STATIONS - (TX2500 BMT60)	from page 5.55 to page 5.63
DMG MORI	NZ	DURATURN 2050, 2550 (MC) NL/NLX 1500/2000/2500 20 STATIONS NT, NTX 1000, 2000 NT 3000 / 3100 / 3150 / 3200 NRX 2000 NZ/NTZ 1000/2000/3000/3100/3150/3200 NZ/NZX 1500/2000/2500	from page 5.64 to page 5.69
Takisawa Japan		Takisawa TS-2000-5000 T20 (3 key turret)	
DMG MORI	SL ZL DL	SL, ZL 150, 153, 154 (MC / SMC / Y / SY) DL 15, 150 (MC) CL 200/203 - SL20/25 - DL 200/250 (MC) SL 200/203/204/250/253/254 (MC,SMC) 2500Y ZL 200(MC) - ZL250(SMC)	from page 5.70 to page 5.74
Cmz		TBI 520 - TL 20/25 (M/TM/MS) TC 15/20/25/30/35 (M/Y/MS/YS) TA 15/20/25/30 (M/Y/MS/YS) TD 15/20/25/30/35/45/55 (M/Y/MS/YS)	
Goodway		GS 200/230/260/280 (M/MS) GA 2000/2600/2800/3000/3300/3600 (M)	
GOODWAY	G1	GLS 100, 150, 200 (M) BEVEL GEAR VERSION GTS 100, 150 (MMX) BEVEL GEAR VERSION	
	G3	GTS 260 (MMX)	from page 5.75 to page 5.78
	G4	GS 2000, 2600, 2800, 4000 - 12 STATIONS.	

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
	L 104,85	VDI TURRET SL 20/30	
HAAS	L 117,55	VDI TURRET - 24 station turrets SL 40 - ST 10/15/20/25/30/35 HYBRID TURRET - 12 station turrets DS 30 - SL 20/30 - ST 10/15/20/25/30/35 - TL 15/25	from page 5.79 to page 5.90
	L 130,25	HYBRID TURRET - 12 station turrets SL 40 - ST 40/45 (L)	
	QTN 1 VDI 40	QTN 100/150 M/MS - 200/250 (M/MS/MY/MSY) 16 STATIONS SQT 15/18/200/250 (M/MS/MY/MSY) 16 STATIONS - 100 M/MS	from page 5.91 to page 5.94
	QTN 2 VDI 40	QTN 200 / 250 (M/MS/MY/MSY 12 STATIONS) SQT 15/18/200/250 (M/MS/MY/MSY) 12 STATIONS SUPER QUADREX 200/ 250 (M)	from page 5.95 to page 5.99
	QTN 3 VDI 50	QTN 300/350/400/450 (M/MY/MSY) SQT 28/30/300/350/400/450 (M/MY) SLANT TURN NEXUS 500/550 (M) MEGATURN NEXUS 900 (M) HYPER QUADREX 450 (M)	from page 5.100 to page 5.102
	QTS SMART BMT68	QT/QTS 100/150/200/250 (M/MY/MS/MSY) QTC/QTU 100/150/200/250/300 (M/MY/MS/MSY)	from page 5.103 to page 5.105
	HQ	HYPER QUADREX 200, 250, MS/MSY - 16 STATIONS MULTIPLEX 620, 6200Y, 6250, W-200Y - 16 STATIONS	from page 5.106 to page 5.108

COMPATIBILITÀ MOTORIZZATI DRIVEN TOOLS COMPATIBILITY

In fase d'ordine specificare: COSTRUTTORE, MODELLO & N° POSIZIONE TORRETTA

In case of order please specify MACHINE BUILDER, MODEL & TURRET N°

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LPO5 Pages
MIYANO	Ø 38	BNA 32, 42 (C / DHY / GTY / MSY / S)	from page 5.109 to page 5.111
MIYANO	Ø 45	ABX 51, 64 (TH2 / TH3) - BNE 34, 51 (S/SY / MSY) - BNX 42 (SY) - BNJ 42 / 51 (S / SY) BND 51 (C / S / SY)	from page 5.112 to page 5.115
Goodway	Ø 45	GLS 1500 / 2000 (M) - GLS 150 / 200 (M) GTS 150 (M) - GTW 1500	from page 5.112 to page 5.115
MIYANO	Ø 54	ABX 51, 64 (SY / THY)	from page 5.116 to page 5.118
NAKAMURA	BMT 44	NTJ 100, SC 100 - SUPER NTMX SUPER NY ³ - WT, WY 100	from page 5.119 to page 5.121
Muratec		MT 100	
NAKAMURA	BMT 55	AS200 (L-LS) 12/15 STATIONS. NTY3-150/250 SC150(M)/200(MY)/250(M) Super NTJ / NTJX / NTM3 TW 10/20 16 STATIONS WT 150/200/250 - WTS 150 - WTW 150/160 WY 150/250 - WT 200 II (M/MY) WT 20 II (M) - TM C20 II (M/ML)	from page 5.122 to page 5.124
Cmz		TX 52/66 - TTL 52 - TTL 66 TX 52 Y3-Y2 QUATTRO-Y2 TW IN TX 66 Y3-Y2 QUATTRO-Y2 TW IN TA 15/20/25/30(W/Y/MS/MY/Y/S) 15 STATIONS	
NAKAMURA	BMT 65	WT300 - SC300 - TW20 TMC 200/300 (M) SUPER NTX TW20M (MY/MM/MMY/MMYY) 12 STATIONS TW 30M (MY/MM/MMY/MMYY) 16 STATIONS	from page 5.125 to page 5.126

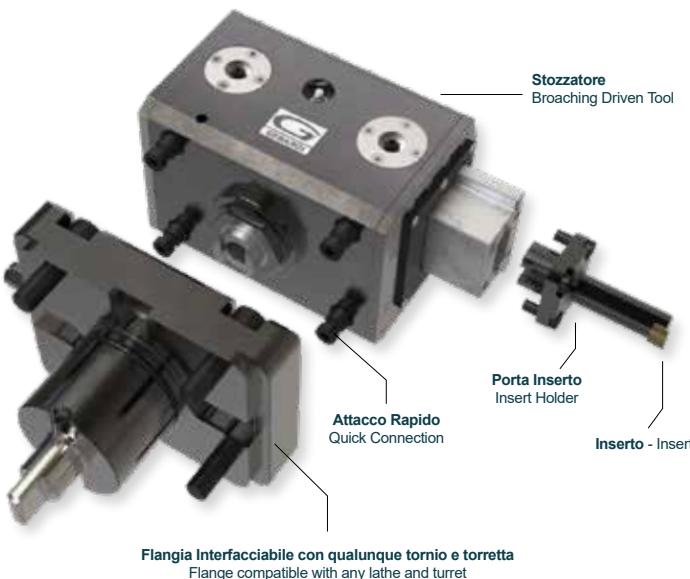
Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LPO5 Pages
	VDI 30	LB 10, 200 M, Y - LT 10, 200 M, Y - ES L6 M / L8 M - GENOS L200, L2000-E	from page 5.127 to page 5.129
OKUMA	VDI 40	Captain L370 M - ES L10 M - GENOS L300, L3000-e M/MY (VDI40) - LB/LU 300, 3000 M (VDI40) - LB 300 MW (Face tooling turret) LB/LU 300 MY	page 5.130
	BMT 55	LT 2000EX (M / MY) 16 STATIONS	from page 5.131 to page 5.132
	BMT 60	GENOS L300 (MW / MY) LB 2000, 2500, 3000 (EX) LU 2000, 2500, 3000 (EX) MULTUS U3000, 4000 (2SW)	from page 5.133 to page 5.134
	BMT45 SP	TC 300 - 600(SMCY) - TTC 300 (SMCY)	from page 5.135 to page 5.138
SPINNER	VDI25 SP	TD 42, 65 - TC, TTC 300	
	BARUFFALDI VDI 30	TC 400 - 600 (MC, MCY, SMCY)	
	BARUFFALDI VDI 40	TC 600 (MC, MCY, SMCY)	from page 4.27 to page 4.36
	BARUFFALDI VDI 50	TC 77, 110, 800 (MC, MCY, SMCY)	
TAKISAWA JAPAN	BMT 60	TM-2000 T12 (2 key turret) TM-2000, 3000 T12 (2 key turret) TS-2000-5000 T20 (3 key turret) TS-3000-5000 T12 (2 key turret) TS-3000-5000 T12 (3 key turret)	from page 5.139 to page 5.142
TAKISAWA TAIWAN	BMT 60	EX-1500, 2000 YT/YS - EX-308 / 310 / 508 / 509 / 510 / 710 / 908 / 910 - EX/NEX-508, 510, 908, 910 - FX-800 - LA-250 YS/TT T15 - LA-250, 300 MY - LX-2500 MY - MX-800 - NEX-108, 110 MY - VTL-450 M	from page 5.143 to page 5.148
TSUGAMI	BMT 65	M06 (SY) - M08 (D/SD) - M08 (SY)	from page 5.149 to page 5.156

Stozzatore Modulare

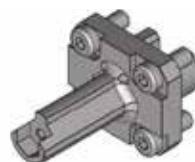
BROACHING DRIVEN TOOLS

Realizza Scanalature e Cave interne direttamente sul Tornio

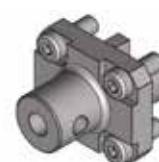
It Creates Grooves and Internal cavities directly on the lathe



Portalnseriti & Inserti Disponibili
Inserts Holder & Inserts Available



Articolo Base
Basic Article



Porta cilindro
Cylinder holder (Weldon)



Inserto per chiavette
Insert for keynuts



Inserto Quadro
Square Insert



Inserto Esagono
Exagonal Insert



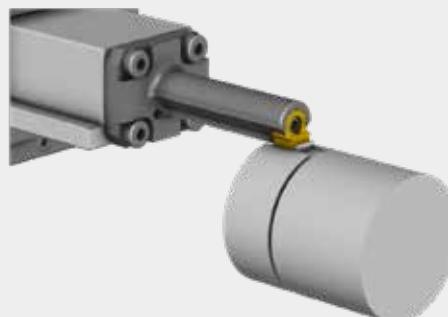
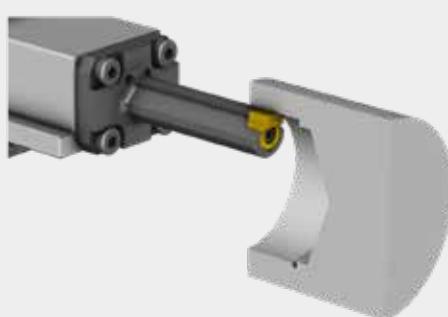
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CHIAVETTE, CAVE INTERNE, SCANALATURE E PROFILI DENTATI

Possibilità di una vasta gamma di lavorazioni standard, tra cui broccatura di sedi per linguette o chiavette, singole o multiple fasate, su fori cilindrici o conici, con o senza gola di scarico e smusso. Inoltre, grazie all'utilizzo di utensili speciali, è possibile realizzare anche prese di moto, fori quadri e fori esagonali, per soddisfare le esigenze di lavorazione più specifiche dei nostri clienti.

KEYS, INTERNAL HOLES, GROOVES, AND TOOTHED PROFILES.

Possibility of a wide range of standard operations, including broaching of seats for tongues or keys, single or multi-stage, on cylindrical or tapered holes, with or without outlet groove and chamfer. In addition, thanks to the use of special tools, it is also possible to produce couplings, square and hexagonal holes to meet the most specific machining requirements of our customers.



Il nuovo portautensile stozzatore Gerardi è stato progettato per eseguire lavorazioni che spaziano dalla sede per chiavetta ai profili dentati interni o esterni, senza la necessità di spostare il pezzo su altre macchine. Grazie alla sua elevata rigidità, l'inserto può essere utilizzato per lunghi periodi di tempo, mentre la superficie lavorata presenta un'ottima finitura. Lo stozzatore è in grado di eseguire rapidamente lavorazioni interne ed esterne, garantendo una precisione elevata e riducendo drasticamente i tempi di lavorazione. Inoltre, tutte le lavorazioni possono essere eseguite sulla stessa macchina utensile, migliorando ulteriormente l'efficienza del processo produttivo.

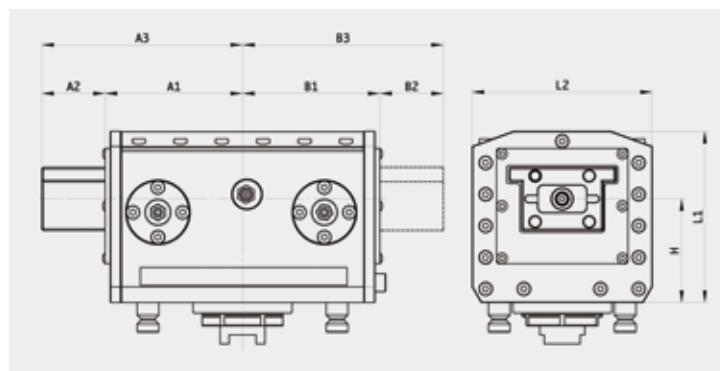
The new Gerardi broaching driven tool has been designed to perform a wide range of operations, from keyway cutting to internal or external toothed profiles, without the need to move the workpiece to other machines. Thanks to its high rigidity, the insert can be used for long periods of time, while the machined surface exhibits excellent finishing. The broaching driven tool is capable of quickly performing internal and external operations, ensuring high precision and drastically reducing processing times. Additionally, all operations can be performed on the same machine tool, further improving the efficiency of the production process.

Potenzia ed aggiorna il tuo tornio! Upgrade your cnc lathe!

Contatta il tuo Agente di zona - Ask to your area Distributor

Funzionamento

Il nuovo dispositivo di stozzatura Gerardi sfrutta il movimento rotatorio dell'azionamento della torretta per generare un movimento traslatorio con funzione di sollevamento integrata sulla corsa di ritorno. Inoltre, il dispositivo offre la possibilità di regolare l'asse X/Y e il passaggio di lubrificante internamente o esternamente (con una pressione massima di 8 bar). Grazie alla nostra tecnologia all'avanguardia, la produzione di profili interni ed esterni, di chiavette o scanalature, è diventata più conveniente in termini di tempo ed economia. I nostri dispositivi di stozzatura possono funzionare fino a 1200 giri/min, garantendo un'alta efficienza e precisione.

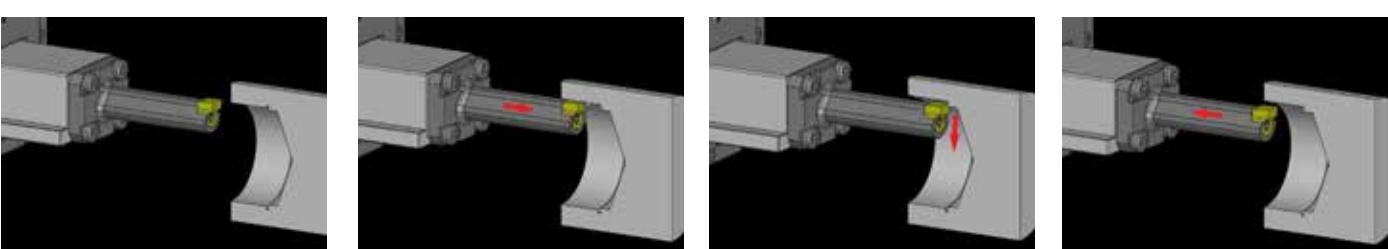
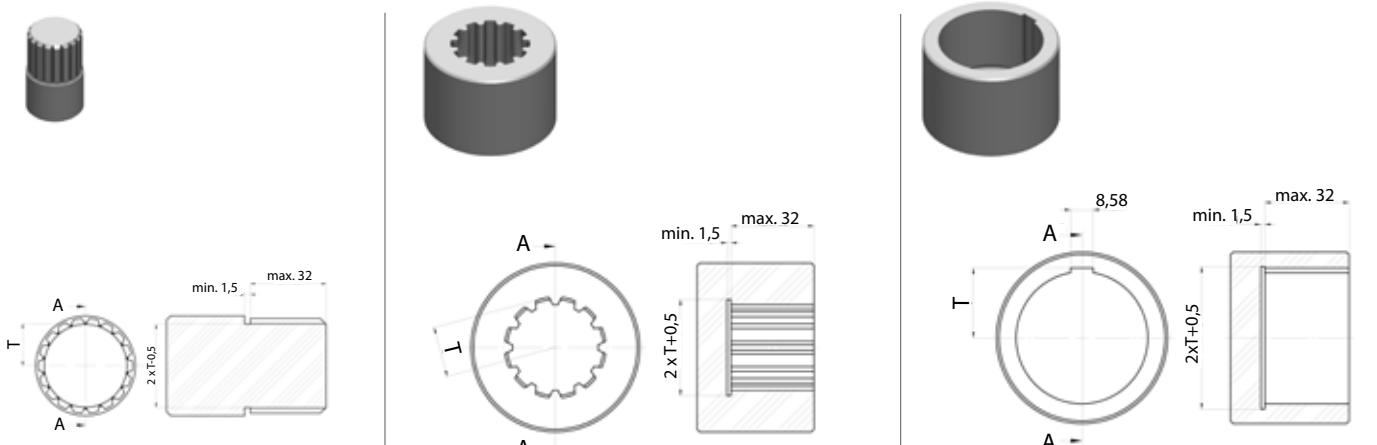


How It Works

The new Gerardi broaching device utilizes the rotary motion of the turret drive to generate a translational movement with integrated lifting function on the return stroke. Additionally, the device offers the possibility of adjusting the X/Y axis and the passage of lubricant internally or externally (with a maximum pressure of 8 bar). Thanks to our cutting-edge technology, the production of internal and external profiles, keys or grooves has become more convenient in terms of time and economy. Our broaching devices can operate up to 1200 rpm, ensuring high efficiency and precision.

Dimensioni - Dimension

Corsa Pitch	A1	A2	A3	B1	B2	B3	L1	L2	L3
25	50	27	77	46	27	73	52	63	30
35	76	35	111	76	35	111	95	100	58
50	91	50	141	76	50	126	95	110	58
65	106	65	171	76	65	141	97	125	57,5



NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

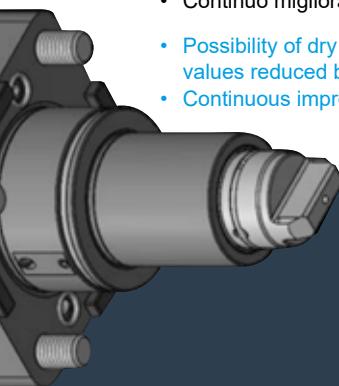
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.

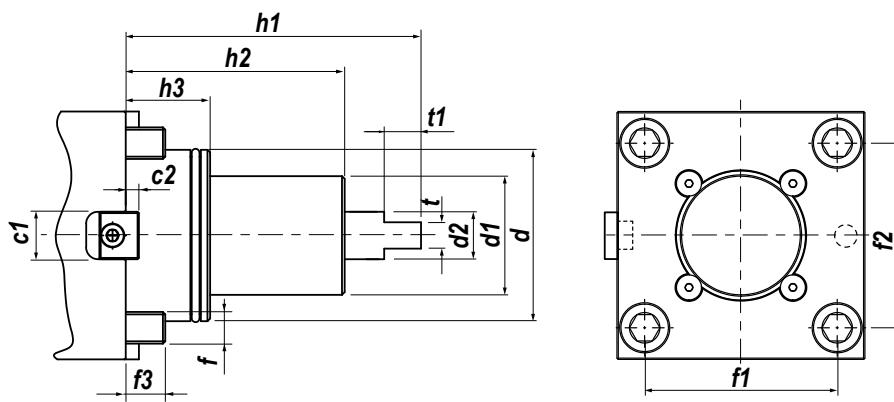


Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!

BMT 40 - BMT 55


**NEW
2024**

5



	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	t	t1
BMT40	12	4	Ø40	Ø35	15	M8	50	50	14	58	43	20	7	10
BMT55	Ø15	5	Ø55	Ø48	-	M10	63	65	12	94,5	53	28	8	-

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS


**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / chiave per bloccaggio ghiera / ugello refrigerazione / viti bloccaggio motorizzato
Shaft lock wrench / nut lock wrench / cooling nozzle
Art.183 / nozzle lock screws / driven tool locking screws


CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7.15
MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

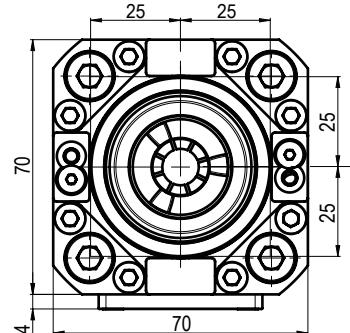
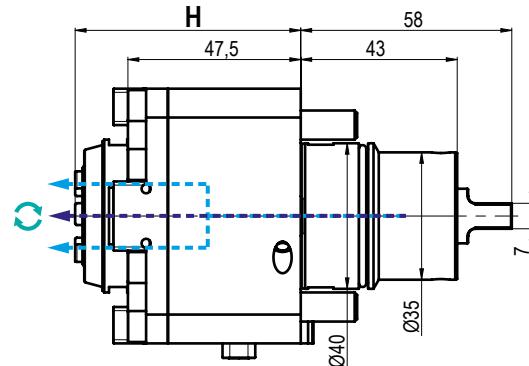
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

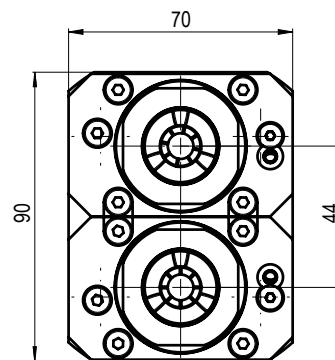
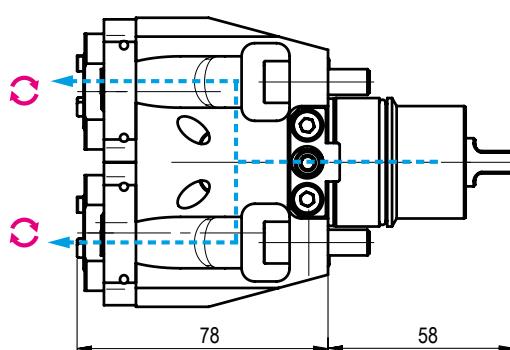
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
40


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	80 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	
99.BG.A53	ER-20	✓	62	47,5	26	8.000	
99.BG.A54	ER-20	NO	52,5	42	26	8.000	



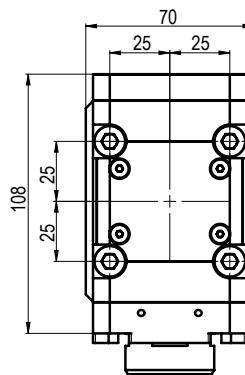
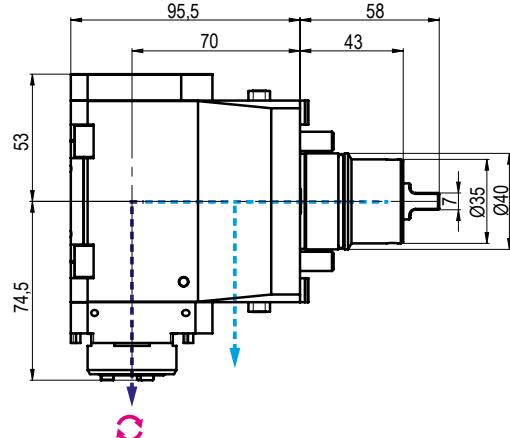
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	Esterno External	1:1	Opposto al mandrino Opposite as m. spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.BG.A55	ER-16	NO	78	10	6.000	
99.BG.A56	ER-20	NO	78	10	6.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


HIGH PERF.
**BMT
40**
TIPO - TYPE

**Radiale
Radial**

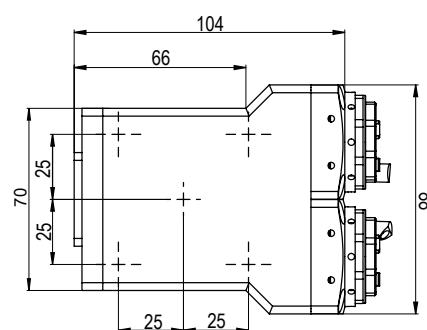
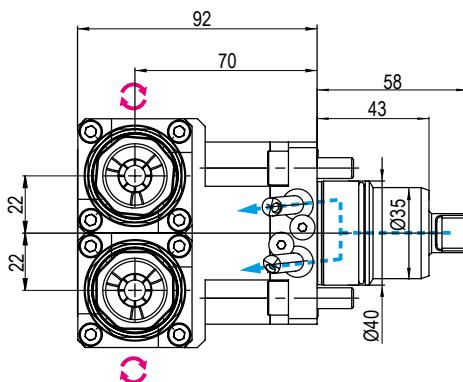
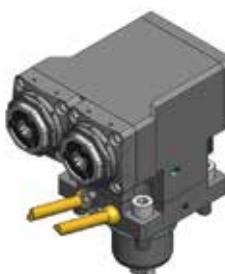
USCITA - OUTPUT
**Porta Pinza
Collet Chuck**

**REFRIGERANTE
COOLANT**
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
**Opposto al mandrino
Opposite as m. spindle**

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.BG.A57	ER-20	✓	70	74,5	53	26	8.000	
99.BG.A58	ER-20	NO	70	74,5	50	26	8.000	

HIGH PERF.

TIPO - TYPE

**Doppio Radiale
Double Radial**

USCITA - OUTPUT
**Porta Pinza
Collet Chuck**

**REFRIGERANTE
COOLANT**
**Esterno
External**

RATIO
1:1

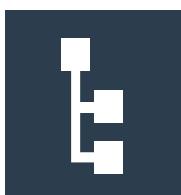
ROTAZIONE - ROTATION
**Opposto al mandrino
Opposite as m. spindle**

Code	Output	Int Cool.	H	Nm	Rpm	
99.BG.A59	ER-16	NO	70	22	6.000	

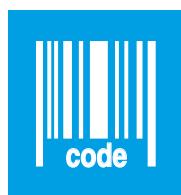


PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



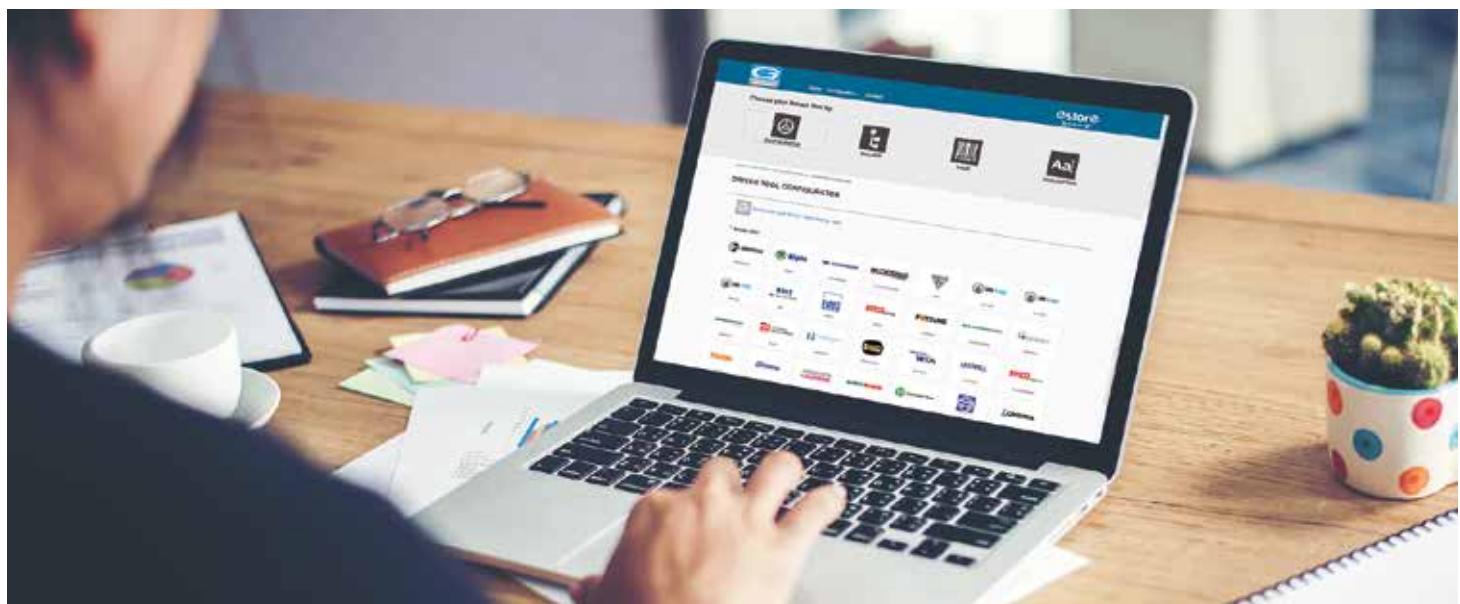
by configurator

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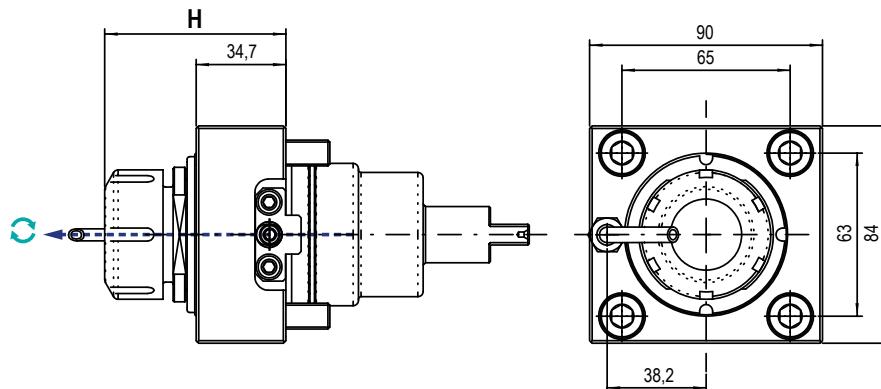
ANDROID / IPHONE



MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

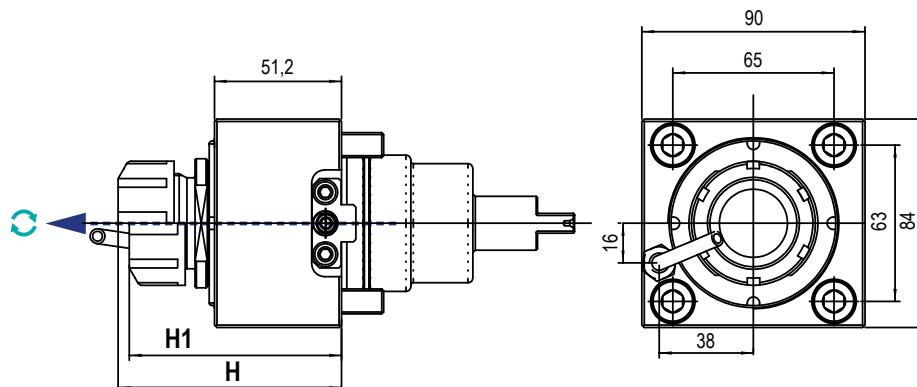
BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
55**


TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				18 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A02	ER-32	NO	70	47	6.000	3,7
99.BG.A03	ER-32	✓	70	47	6.000	3,7
99.BG.A01	ER-25	NO	70	47	6.000	3,7
99.BG.A43	ER-25	NO	70	47	6.000	3,7



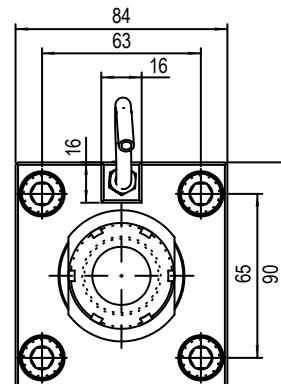
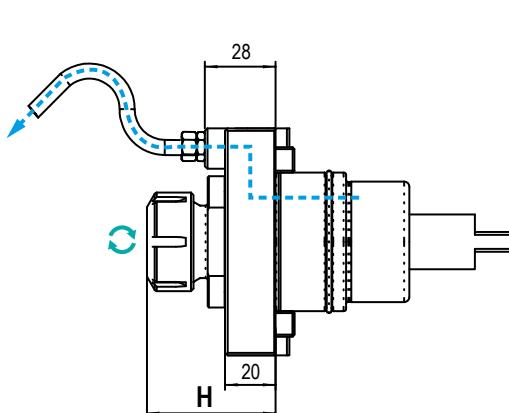
TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				18 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	H1	Nm	Rpm	Kw
99.BG.A04	ER-32 - Ø2÷20	✓	Max 90	Min 85,5	70	6.000	8
99.BG.A46	ER-32 - Ø2÷20	NO	Max 90	Min 85,5	70	6.000	8

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANTEsterno
External

RATIO

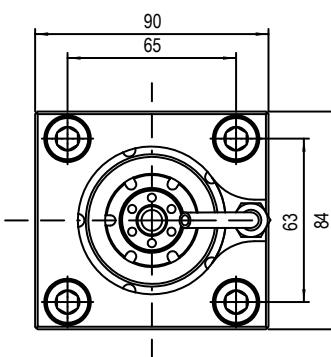
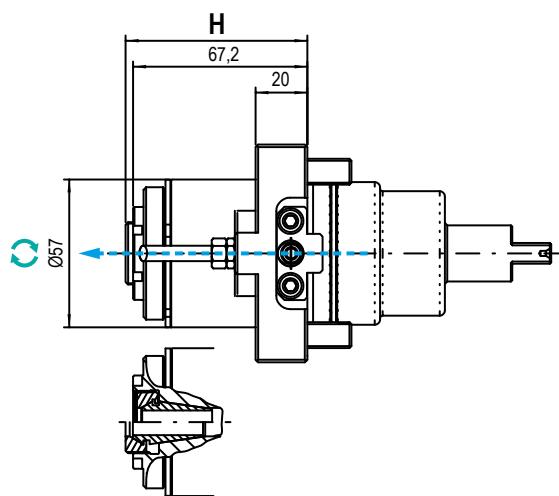
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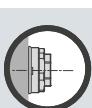
ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A42	ER-25 - Ø1÷16	NO	51	47	6.000	3,7



TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANTEsterno
External

RATIO

1:4



ROTAZIONE - ROTATION

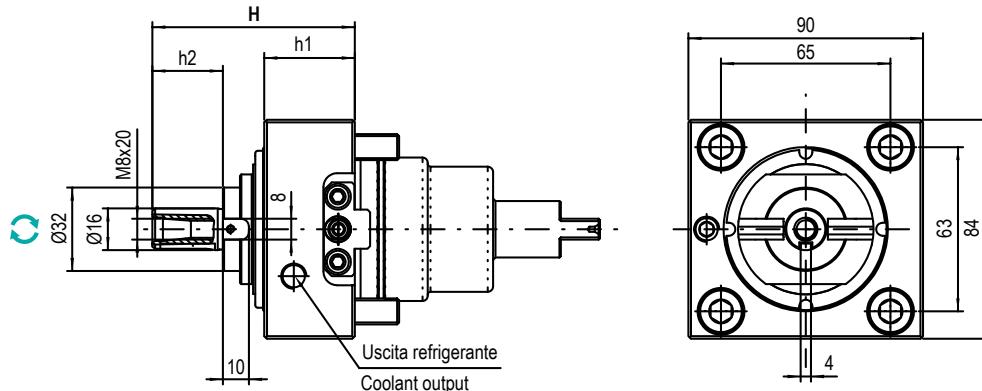
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A45	ER-16	NO	Max 70	4	24.000	3,7

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

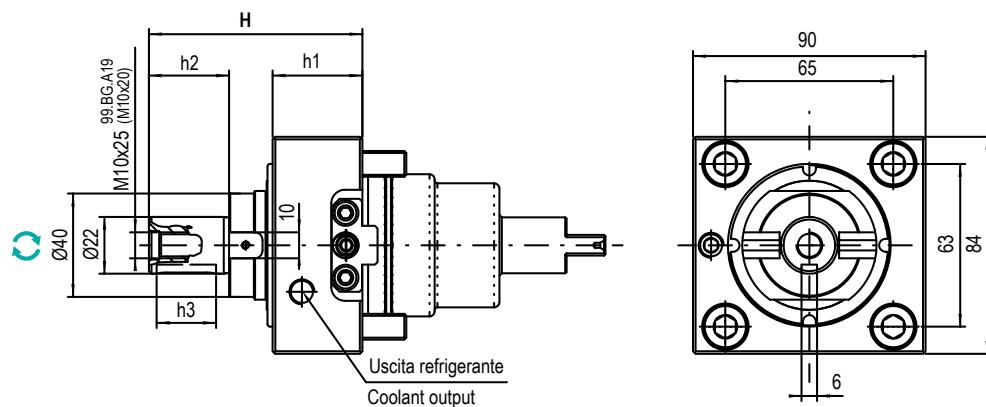
BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55


TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
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Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	Kw	
99.BG.A25	Ø16X17	NO	67,6	34,7	17	47	6.000	3,7	
99.BG.A28	Ø16X17	NO	87,6	56,7	17	47	6.000	3,7	
99.BG.A24	Ø16X27	NO	77,6	34,7	27	47	6.000	3,7	



TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
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Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	Kw	
99.BG.A19	Ø22X19	NO	89,6	56,7	19	16	47	6.000	3,7	
99.BG.A20	Ø22X50	NO	97,7	34,7	50	42	47	6.000	3,7	
99.BG.A22	Ø22X31	NO	104,6	56,7	31	23	47	6.000	5,5	
99.BG.A23	Ø22X31	NO	82,6	34,7	31	23	47	6.000	3,7	

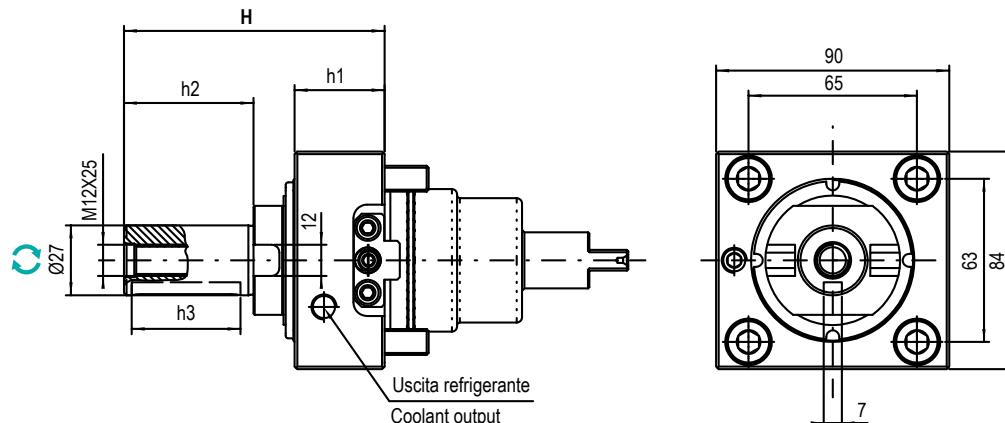
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

NEW

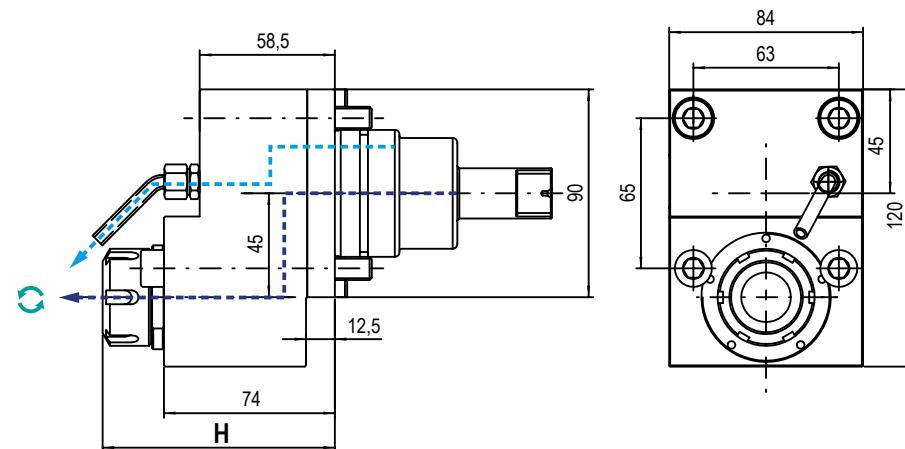
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Fresa Shell End Milling Cutter	Esterno External	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	h2	Nm	Rpm	Kw
99.BG.A26	Ø27X50	NO	100,6	34,7	50	42	47	6.000	3,7
99.BG.A27	Ø27X33	NO	103,6	56,7	33	23	47	6.000	3,7
99.BG.A21	Ø27X33	NO	99	51,2	33	23	70	6.000	8



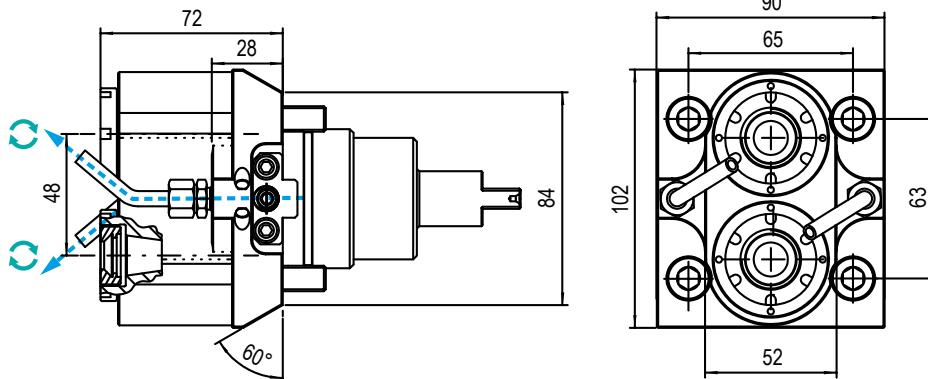
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Disassato Offset Axis	Porta Pinza Collet Chuck	20 bar	1:2	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A18	ER-25 - Ø1÷16	NO	Max105 - Min100,5	23	12.000	3,7

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

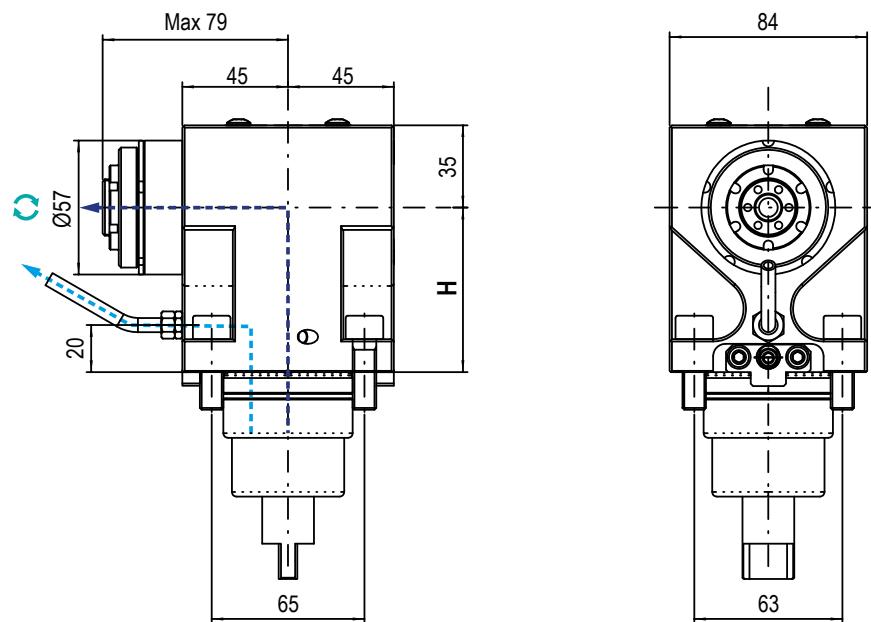
BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
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TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Doppio Double Axial	Porta Pinza Collet Chuck	Esterno External	1:2	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A41	ER16-ER16	NO	72	12,5	12.000	3,7



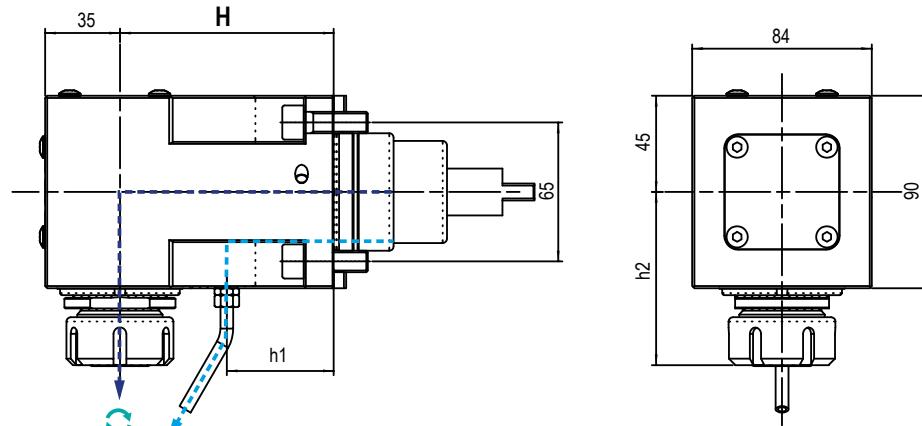
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale - Radial	Porta Pinza Collet Chuck	20 bar	1:4	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A12	ER16	NO	70	4	24.000	3,7
99.BG.A35	ER16	✓	100	4	24.000	3,7
99.BG.A37	ER16	NO	100	4	24.000	3,7

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
55**


TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

20 bar



RATIO

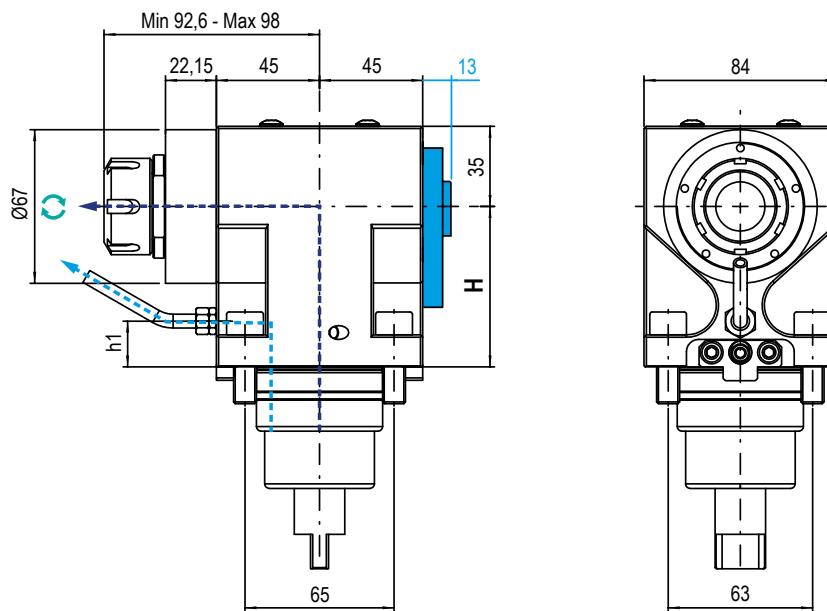
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	Kw	
99.BG.A08	ER-25	NO	100	50	81	47	6.000	3,7	
99.BG.A05	ER-25	NO	70	20	Min80,5-Max85	47	6.000	3,7	

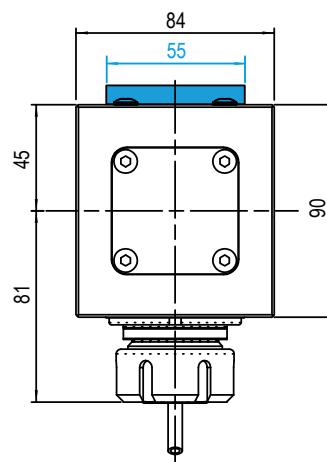
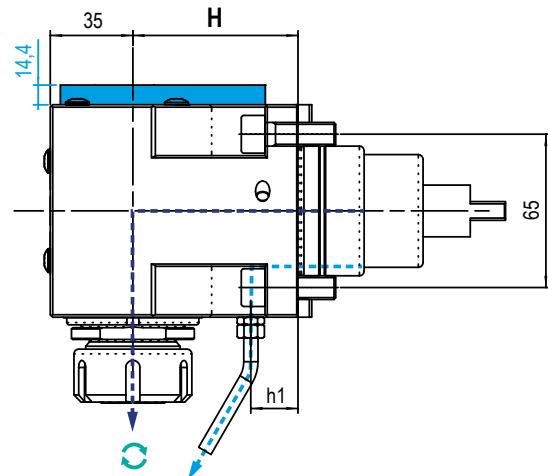


Code	Output	Int Cool.	H	h1	Nm	Rpm	Kw	
99.BG.A11	ER-25	NO	70	20	23	12.000	3,7	
99.BG.A34	ER-25	✓	70	20	23	12.000	3,7	
99.BG.A36	ER-25	NO	100	50	23	12.000	3,7	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


**BMT
55**
TIPO - TYPE

**Radiale
Radial**

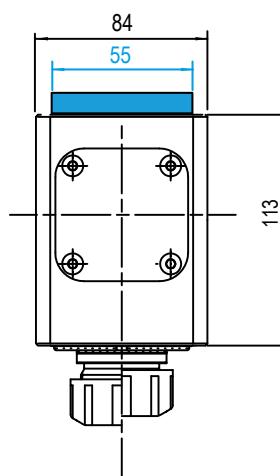
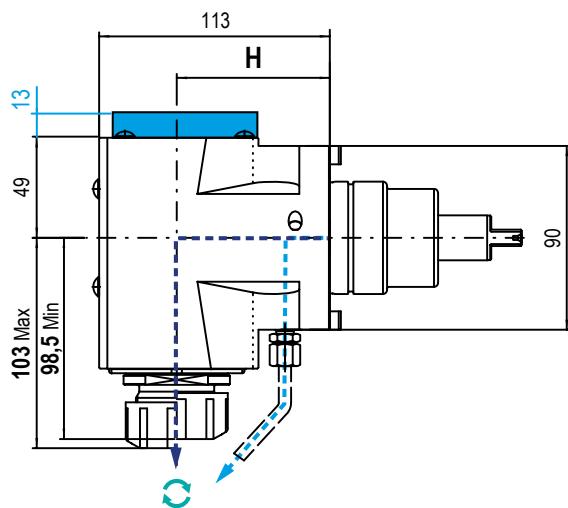
USCITA - OUTPUT
**Porta Pinza
Collet Chuck**

**REFRIGERANTE
COOLANT**
20 bar

**RATIO
1:1**

ROTAZIONE - ROTATION
**Uguale al mandrino
Same as machine spindle**

Code	Output	Int Cool.	H	h1	Nm	Rpm	Kw	
99.BG.A06	ER-32	NO	70	20	47	6.000	3,7	
99.BG.A07	ER-32	✓	70	20	47	6.000	3,7	
99.BG.A09	ER-32	NO	100	50	47	6.000	3,7	
99.BG.A10	ER-32	✓	100	50	47	6.000	3,7	


5
TIPO - TYPE

**Radiale
Radial**

USCITA - OUTPUT
**Porta Pinza
Collet Chuck**

**REFRIGERANTE
COOLANT**
20 bar

**RATIO
1:1**

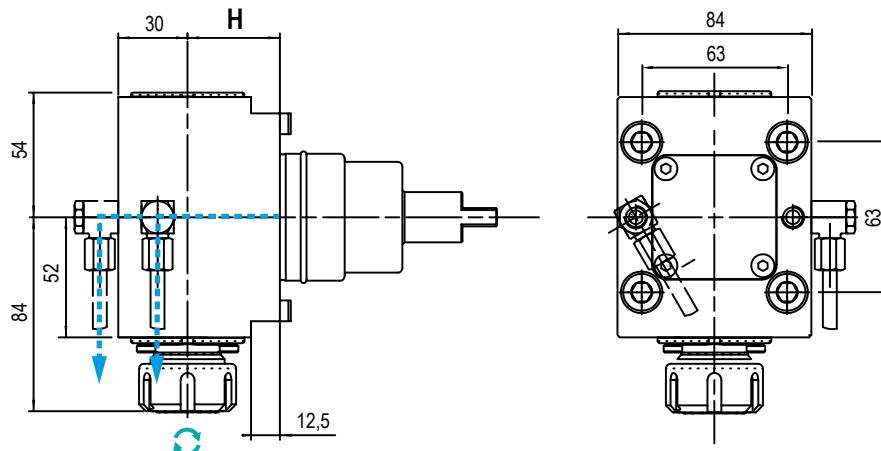
ROTAZIONE - ROTATION
**Uguale al mandrino
Same as machine spindle**

Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A47	ER-32	NO	75	70	6.000	8	
99.BG.A49	ER-32	✓	75	70	6.000	8	

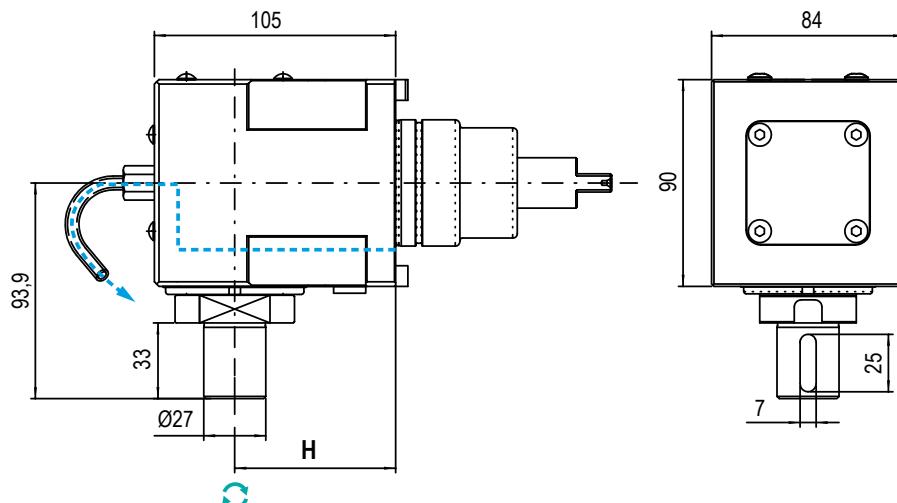
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55


TIPO - TYPE Radiale Radial	USCITA - OUTPUT Porta Pinza Collet Chuck	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle			
Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A39	ER-25	NO	40	40	6.000	6	
99.BG.A31	ER-25	✓	100	40	6.000	6	

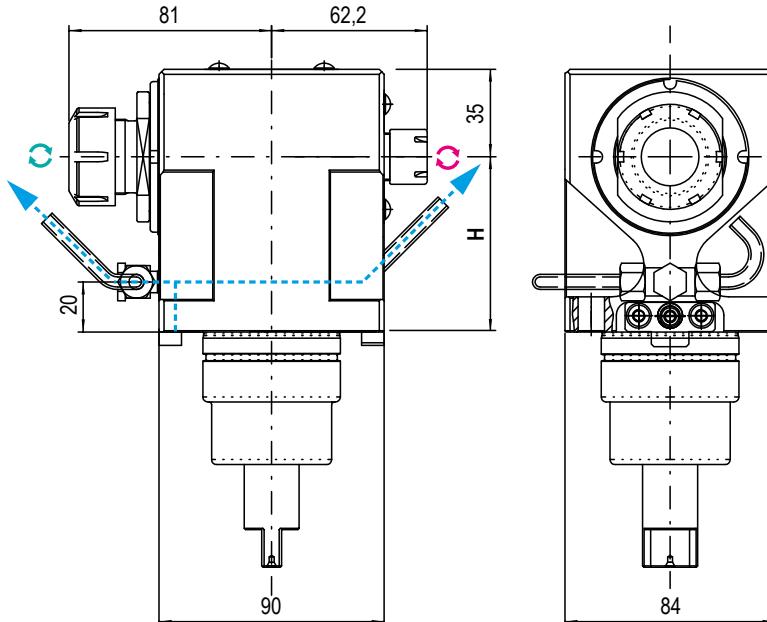


TIPO - TYPE Radiale Radial	USCITA - OUTPUT Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle			
Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A17	Ø27X33	NO	70	47	6.000	3,7	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA
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Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
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TIPO - TYPE
Radiale Doppio
Double Radial

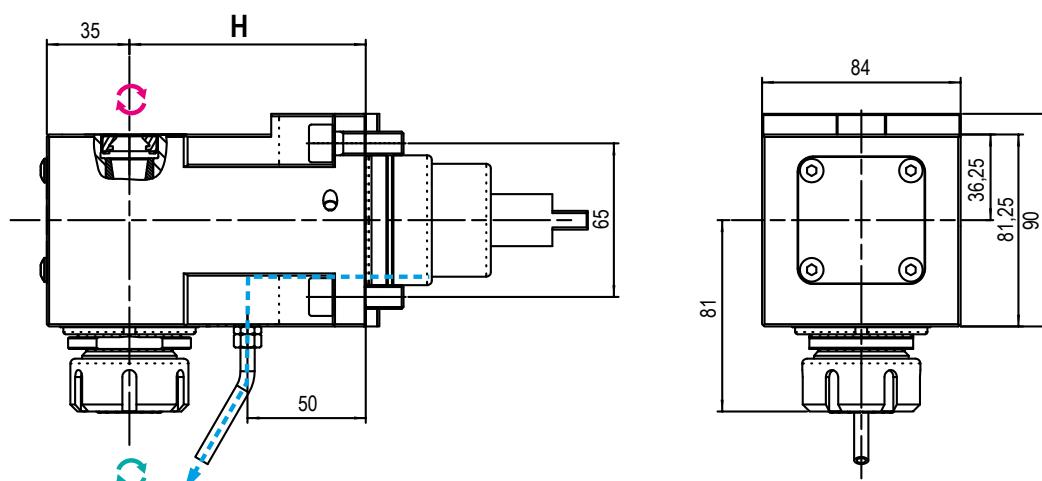
USCITA - OUTPUT
Porta Pinza
Collet Chunk

REFRIGERANTE COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A13	ER25 - ER16	NO	70	47	6.000	3,7	



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chunk	Esterno External	1:1	Uguale ed opposto al mandrino Same and opposite as m. spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A14	ER25-ER16(Internal)	NO	100	47	6.000	3,7	

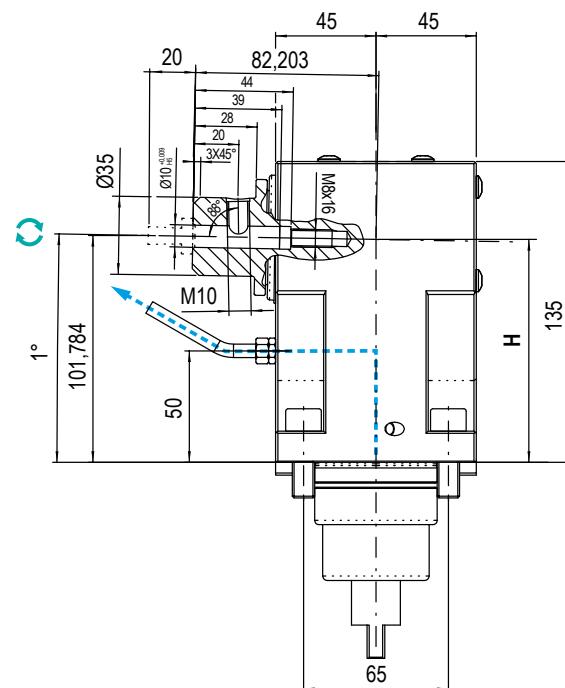
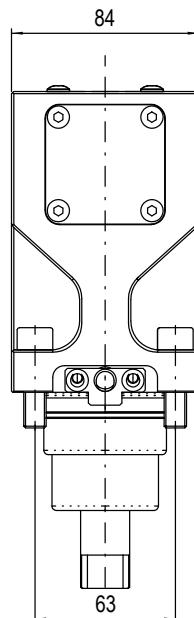
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

NEW

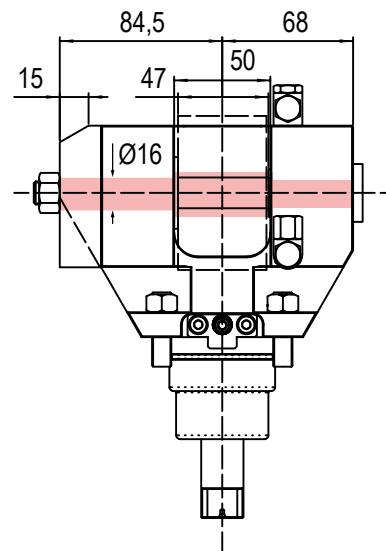
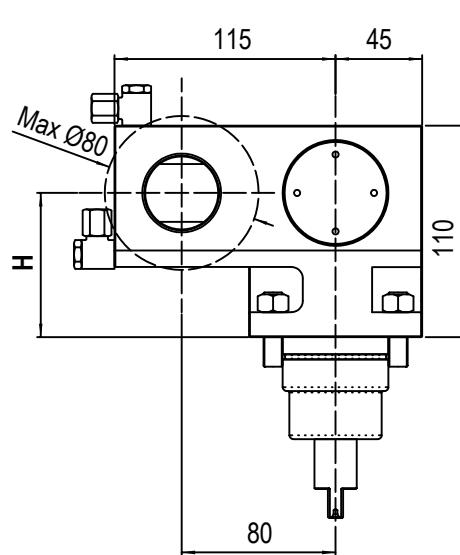
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Uguale al mandrino Same as machine spindle
Radiale Radial	Porta Brocciatore Collet Chuck	Esterno External	1:1	

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A32	DIN1835 Ø10	NO	100	47	6.000	3,7



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Uguale al mandrino Same as machine spindle
Radiale Radial	Porta Creatore Driven gear hobber	Esterno External	2:1	

Code	Output	Int Cool.	H	Nm	Rpm	Kw
99.BG.A40	Ø16	NO	75	94	3.000	3,7

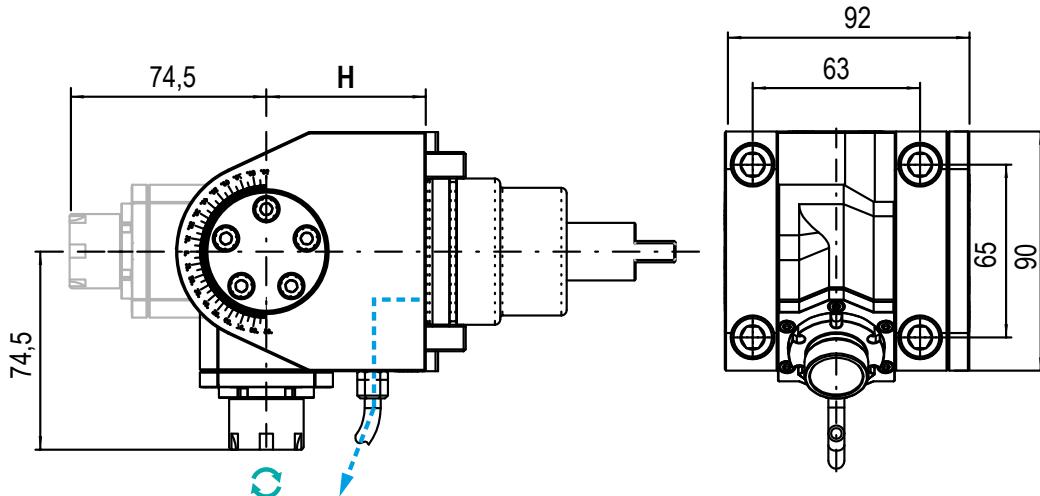
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

NEW

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
55**



TIPO - TYPE
Orientabile $\pm 90^\circ$
 $\pm 90^\circ$ Adjustable



USCITA - OUTPUT
Porta pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1
1:2



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	Kw	
99.BG.A16	ER-20	NO	60	16	6.000	3,7	
99.BG.A15	ER-16	NO	60	16	6.000	3,7	
99.BG.A29	ER-16	NO	60	8	12.000	3,7	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

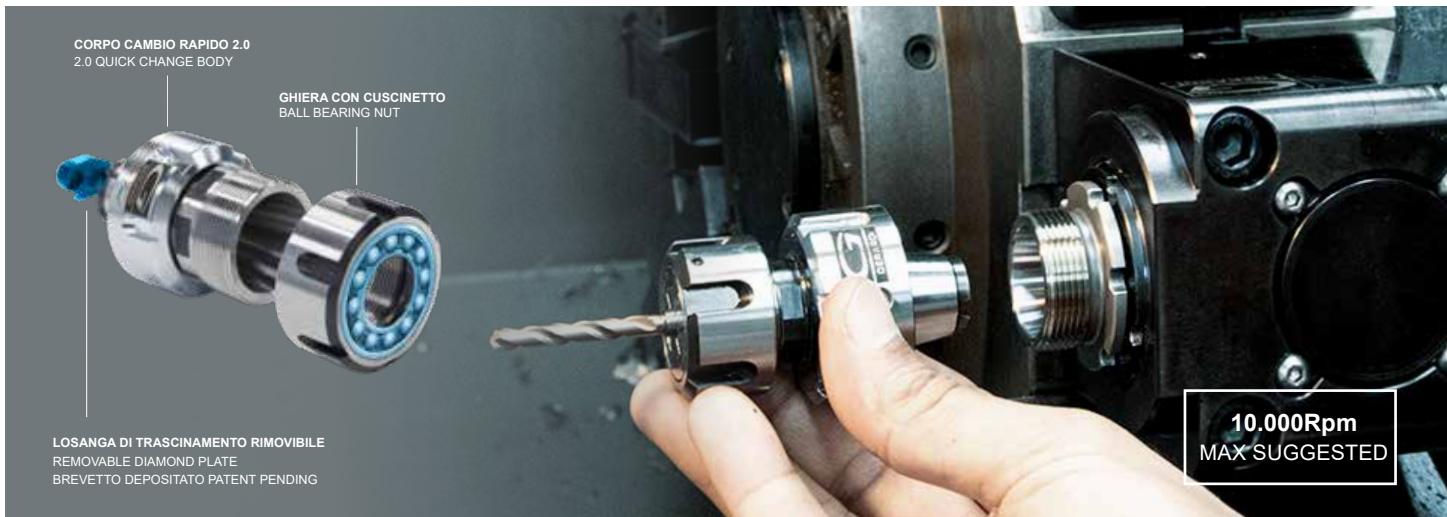
Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED



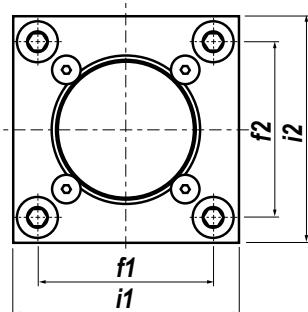
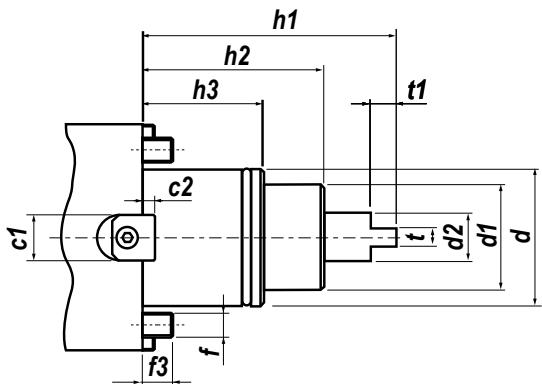
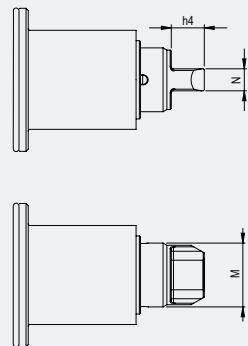
100% MADE IN ITALY

BMT 45 / 55 / 65 / 75 / 85
BMT

Bolt Mounted Turret


 DOOSAN / HARDINGE / SAMSUNG / HWACHEON
 HYUNDAI WIA / VICTOR / HAAS / GOODWAY / JYOTI
 TAKISAWA TAIWAN

Uscita - Output
C. ISO26623

 DISPONIBILI SU RICHIESTA
 AVAILABLE ON REQUEST

TENONE MAGGIORNATO
 BIGGER TENON


Type	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1	h4	N	Ø M
BMT45	15	4	45	35	14	M8	58	58	10	84	60	40	75	75	6	8,5	-	-	-
BMT55	15	4	55	40	16	M10	64	64	14	104	75	30	85	85	8	8,5	9,5	8	29
BMT65	18	5	65	45	18	M12	70	73	15	112	83	32	94	94	10	14	15	10	29
BMT75	25	5	75	55	23	M12	90	90	15	110	80	43	112	112	14	15	-	-	-
BMT85	25	5	85	65	33,5	M12	100	100	18	140	100	43	125	125	16	20	-	-	-

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS


DOTAZIONE STANDARD
 STANDARD EQUIPMENT

 Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
 Shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring

CAMBI RAPIDI MODULARI *Vedi pag. 7.12 - 7-15*
 MODULAR QUICK CHANGE *See page 7.12 - 7.15*

 Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
 Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

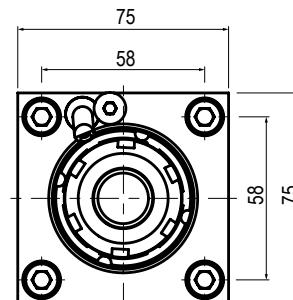
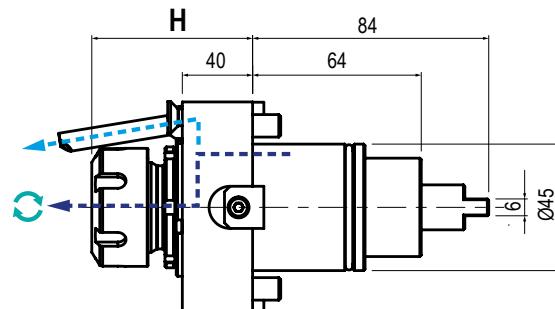
JYOTI

NEXTURN

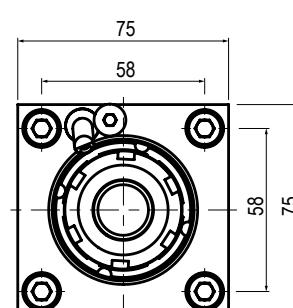
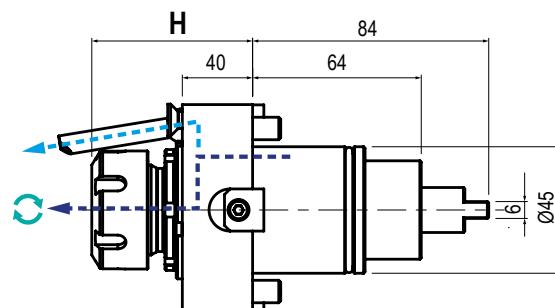
SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
45


TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Pinza Collet Chunk	REFRIGERANTE COOLANT 80 bar	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle			
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A03	ER-25 - Ø1÷16	NO	53,5÷57,2	35	8.000	6	
99.DS.A04	ER-25 - Ø1÷16	✓	53,5÷57,2	35	8.000	6	

5


TIPO - TYPE Assiale Axial	USCITA - OUTPUT Porta Pinza Collet Chunk	REFRIGERANTE COOLANT 80 bar	RATIO 1:1	ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle			
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A83	ER-32 - Ø2÷20	NO	76,5÷80,2	35	8.000	6	
99.DS.A84	ER-32 - Ø2÷20	✓	76,5÷80,2	35	8.000	6	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

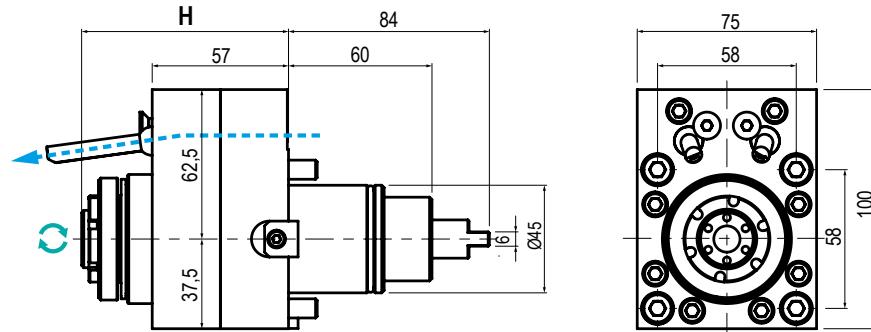
JYOTI

NEXTURN

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



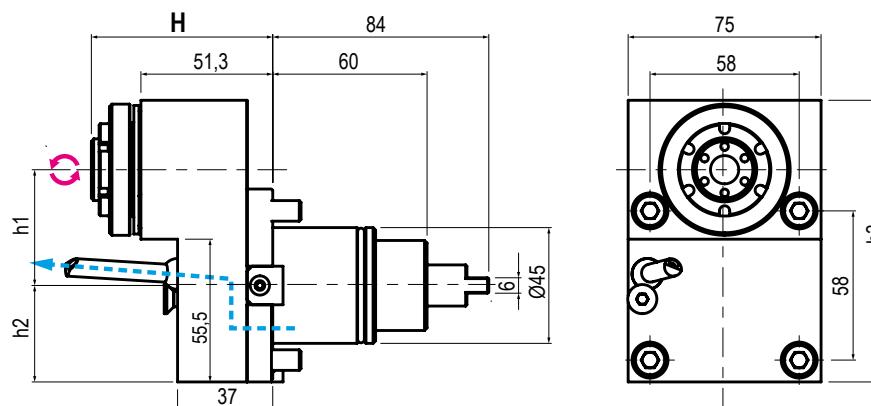
TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:4ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A05	ER-16 EF - Ø1÷10	NO	82,5÷86,5	12	32.000	3	

TIPO - TYPE
Disassato
Offset AxisUSCITA - OUTPUT
Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:2ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A06	ER-16 EF - Ø1÷10	NO	66,8÷70,5	45	37,5	109,5	15	16.000	4	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

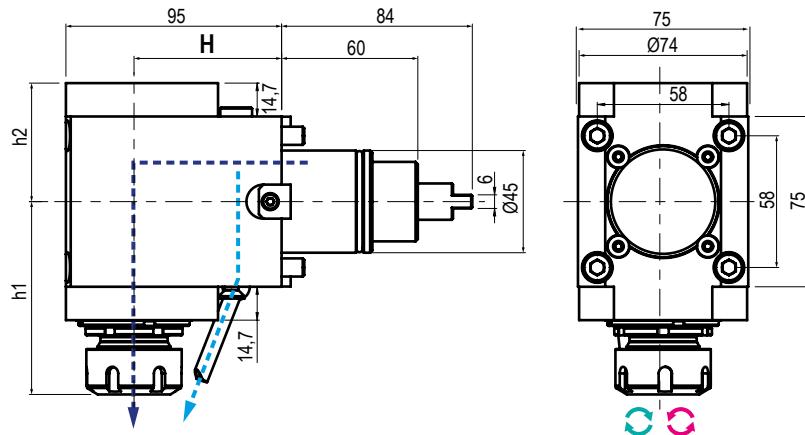
JYOTI

NEXTURN

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
45


TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT

80 bar



RATIO

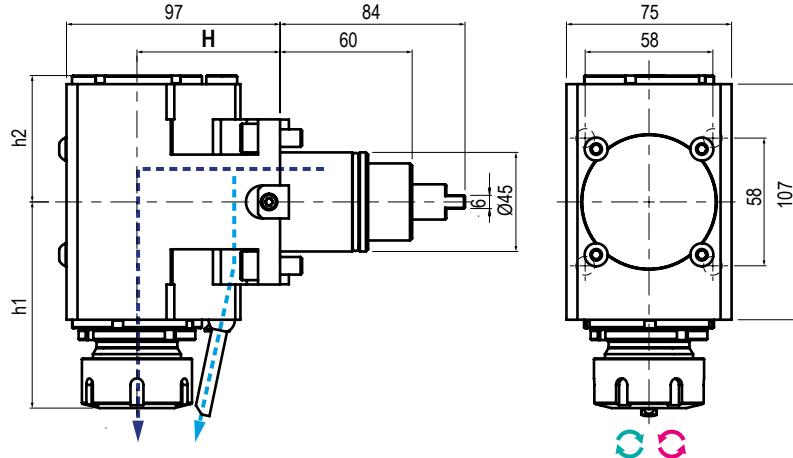
1:1



ROTAZIONE - ROTATION

Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A07		ER-25 - Ø1÷16	NO	65	81,2÷84,9	52,2	35	8.000	6	
99.DS.A07C										
99.DS.A08		ER-25 - Ø1÷16	✓	65	81,2÷84,9	52,2	35	8.000	6	
99.DS.A08C										

5


TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A97		ER-25 - Ø1÷16	NO	85	81,2÷84,9	52,2	35	8.000	6	
99.DS.A97C										
99.DS.A67		ER-25 - Ø1÷16	✓	85	81,2÷84,9	52,2	35	8.000	6	
99.DS.A67C										

 * N.B.:   Rotazione uguale al mandrino - Rotation same as machine spindle   Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

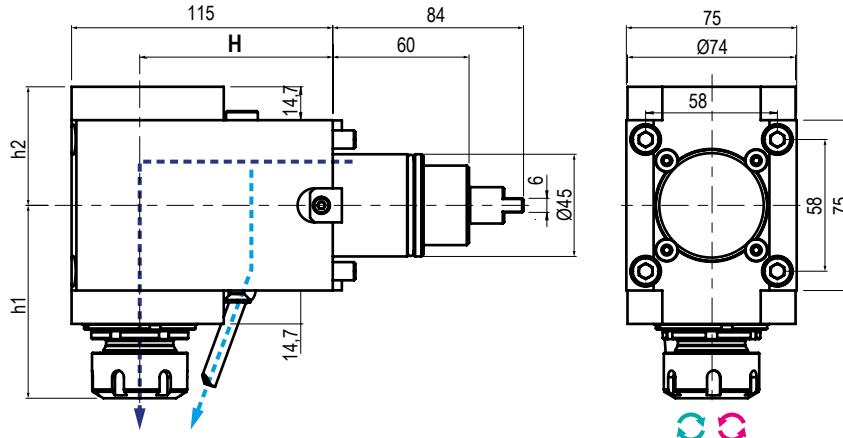
JYOTI

NEXTURN

SAMSUNG

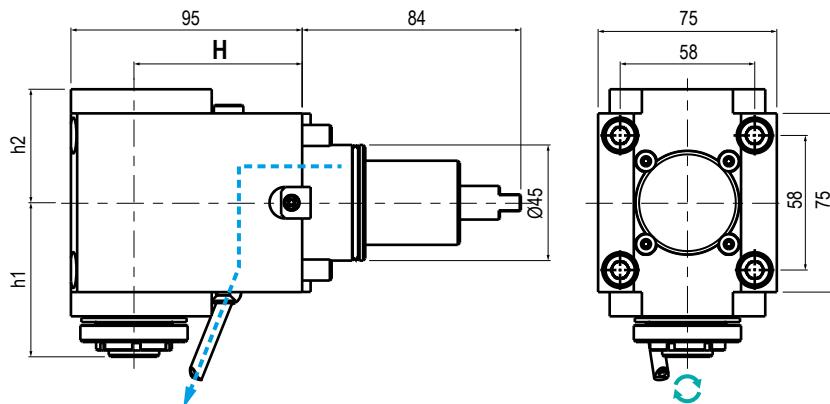
VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
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TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
		80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle
Radiale Radial	Porta Pinza Collet Chunk			

Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A87		ER-32 - Ø2÷20	NO	65	89,9÷93,6	57,4	35	8.000	6	
99.DS.A87C										
99.DS.A88		ER-32 - Ø2÷20	✓	65	89,9÷93,6	63,4	35	8.000	6	
99.DS.A88C										



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
		Esterno External	1:4 1:2	Uguale al mandrino Same as machine spindle
Radiale Radial	Porta Pinza Collet Chunk			

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A09	ER-16 EF - Ø1÷10	NO	65	66÷69,7	52,5	12	32.000	3	
99.DS.A10	ER-16 EF - Ø1÷10	NO	65	69,6÷73,3	54	15	16.000	4	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

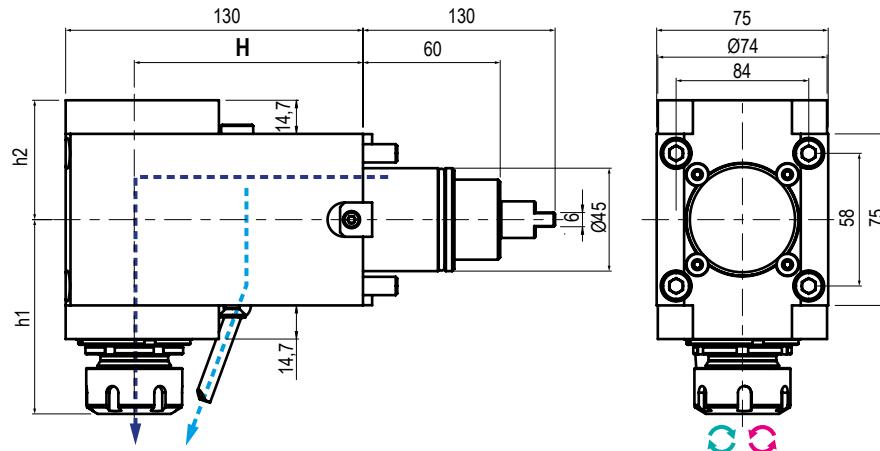
JYOTI

NEXTURN

SAMSUNG

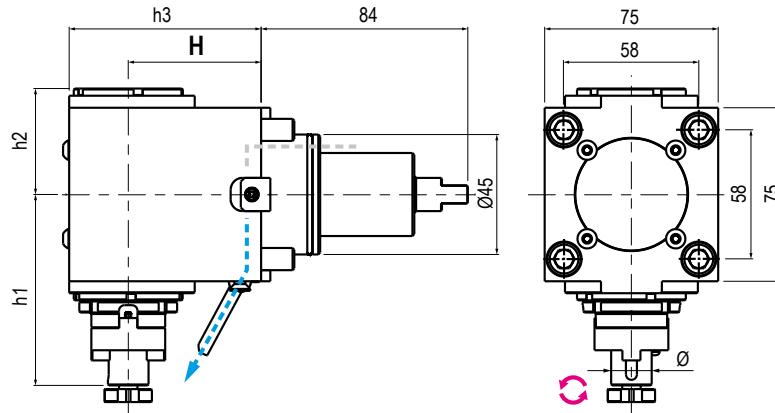
VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
45


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chunk	80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle

Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.DS.A98		ER-25 - Ø1÷16	NO	100	81,2÷84,9	52,2	35	8.000	6
99.DS.A98C									
99.DS.A68		ER-25 - Ø1÷16	✓	100	81,2÷84,9	52,2	35	8.000	6
99.DS.A68C									



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Fresa Shell End Milling Cutter	Esterno External	1:1	Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw
99.DS.A99	Ø16	NO	65	95	52,2	95	35	8.000	6
99.DS.A100	Ø16	NO	85	95	52,2	115	35	8.000	6
99.DS.A101	Ø16	NO	100	95	52,2	130	35	8.000	6

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

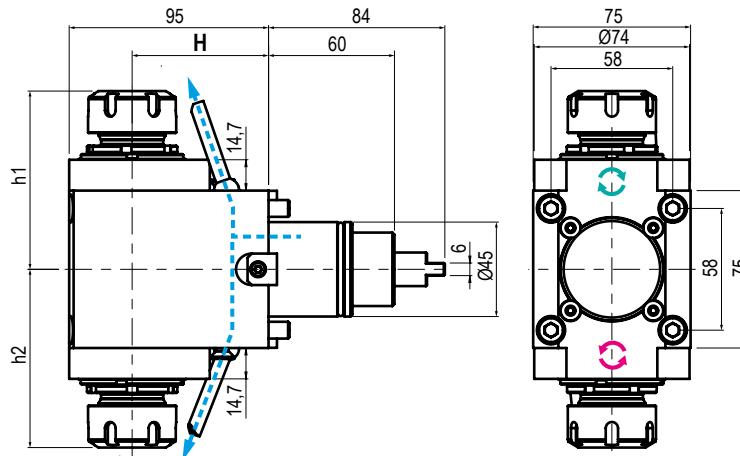
JYOTI

NEXTURN

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
45**


TIPO - TYPE



USCITA - OUTPUT

REFRIGERANTE
COOLANT

RATIO

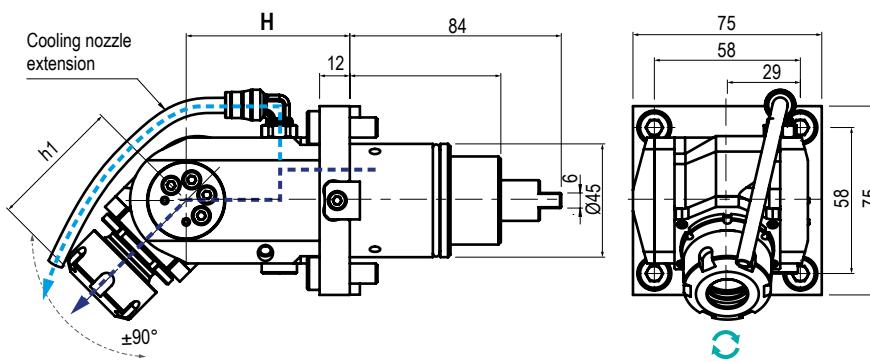
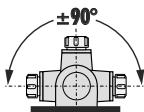


1:1

ROTAZIONE - ROTATION

Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A13	ER-25-25 - Ø1÷16	NO	65	81,2÷84,9	81,2÷84,9	35	8.000	6	
99.DS.A102	ER-32-32 - Ø2÷20	NO	65	89,9÷93,6	89,9÷93,6	35	8.000	6	
99.DS.A103	ER-25-25 - Ø1÷16	NO	85	81,2÷84,9	81,2÷84,9	35	8.000	6	
99.DS.A104	ER-25-25 - Ø1÷16	NO	100	81,2÷84,9	81,2÷84,9	35	8.000	6	

TIPO - TYPE
Orientabile ±90°
±90° AdjustableUSCITA - OUTPUT
Portapinza
Collet ChuckREFRIGERANTE
COOLANT
80 barRATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

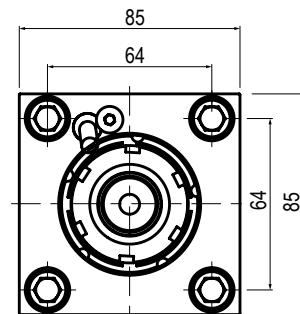
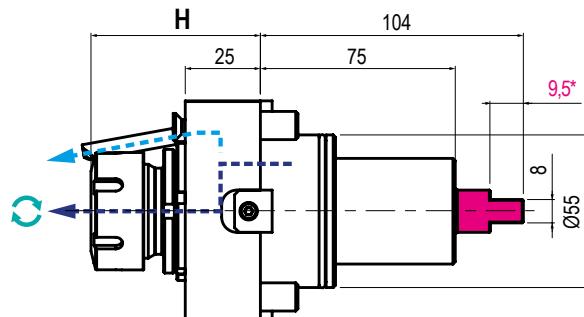
Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.DS.A16	ER-20 - Ø1÷13	NO	65	48,8÷52,5	15	8.000	3	
99.DS.A17	ER-20 - Ø1÷13	✓	65	48,8÷52,5	15	8.000	3	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

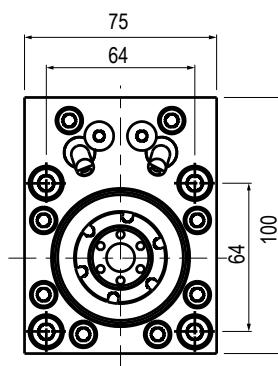
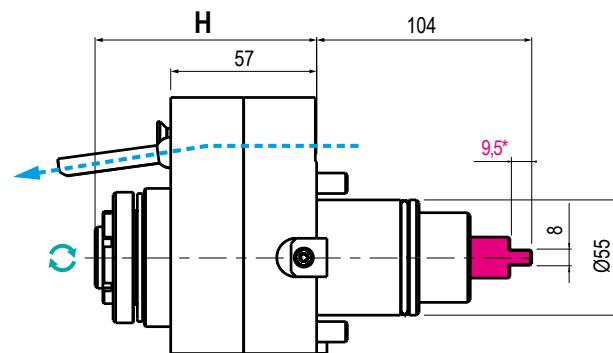
DOOSAN HARDINGE GOODWAY HWACHEON HYUNDAI WIA JYOTI SAMSUNG VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
55**


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A01T)

TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chunk	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION	
	Assiale Axial		Porta Pinza Collet Chunk		80 bar		Uguale al mandrino Same as machine spindle
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A01	ER-25 - Ø1÷16	NO	53,5÷57,2	40	8.000	8	
99.DS.A02	ER-25 - Ø1÷16	✓	53,5÷57,2	40	8.000	8	

5


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A18T)

TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chunk	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION	
	Assiale Axial		Porta Pinza Collet Chunk		Esterno External		Uguale al mandrino Same as machine spindle
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A18	ER-16 EF - Ø1÷10	NO	82,5÷86,5	12	32.000	3	

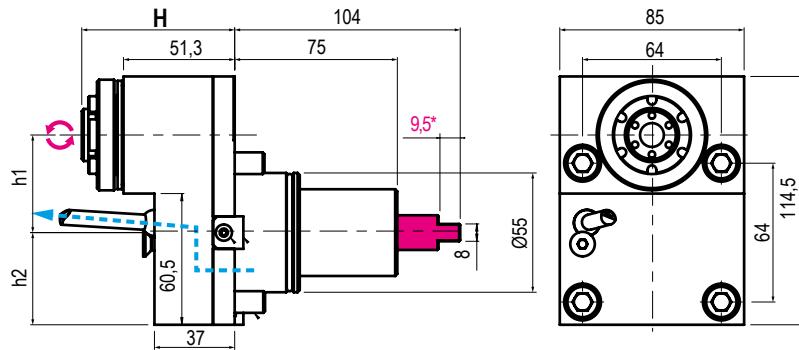
* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

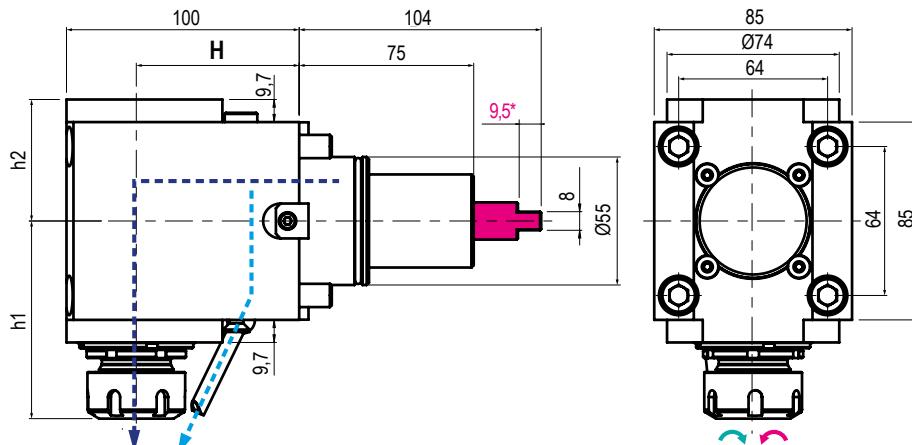
DOOSAN HARDINGE GOODWAY HWACHEON HYUNDAI WIA JYOTI SAMSUNG VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A19T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION						
				Opposto al mandrino Opposite to machine spindle						
Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A19	ER-16 EF - Ø1÷10	NO	66,8÷70,5	45	42,5	114,5	15	16.000	4	



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A11T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION						
		80 bar		Uguale / opposto al mandrino Same / opposite as m. spindle						
Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A11		ER-25 - Ø1÷16	NO	70	81,2÷84,9	52,2	40	8.000	8	
99.DS.A11C										
99.DS.A12		ER-25 - Ø1÷16	✓	70	81,2÷84,9	52,2	40	8.000	8	
99.DS.A12C										

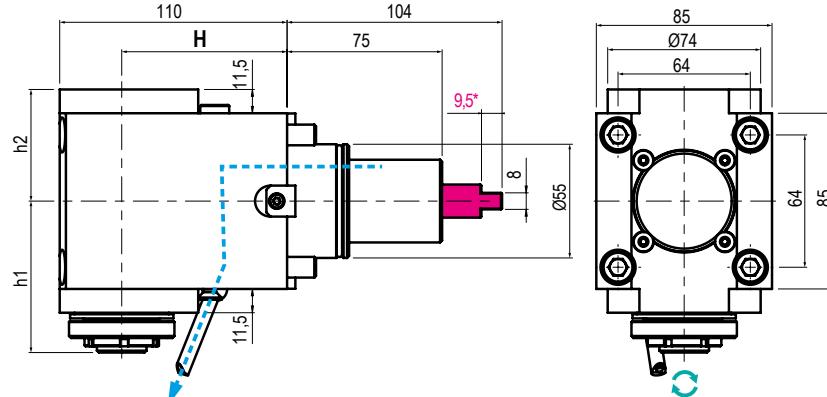
* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN HARDINGE GOODWAY HWACHEON HYUNDAI WIA JYOTI SAMSUNG VICTOR

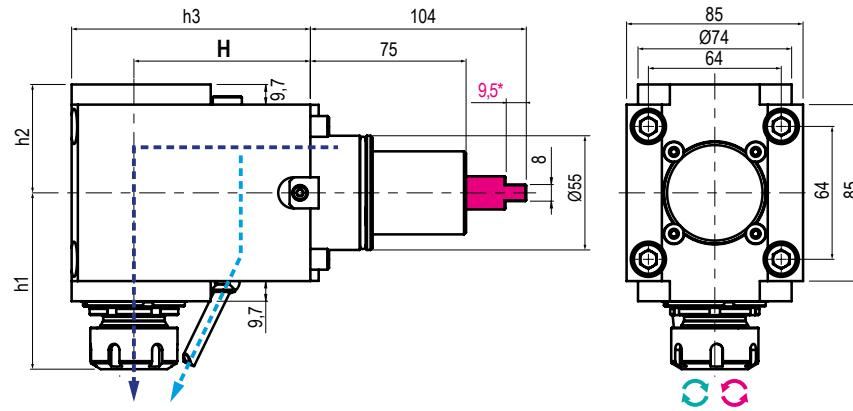
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
55**


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A20T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chunk	Esterno External	1:4 1:2	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.DS.A20	ER-16 EF- Ø1÷10	NO	70	69,6÷73,3	54	4	24.000	3
99.DS.A21	ER-16 EF - Ø1÷10	NO	70	69,6÷73,3	54	15	16.000	4



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A69T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chunk	80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle

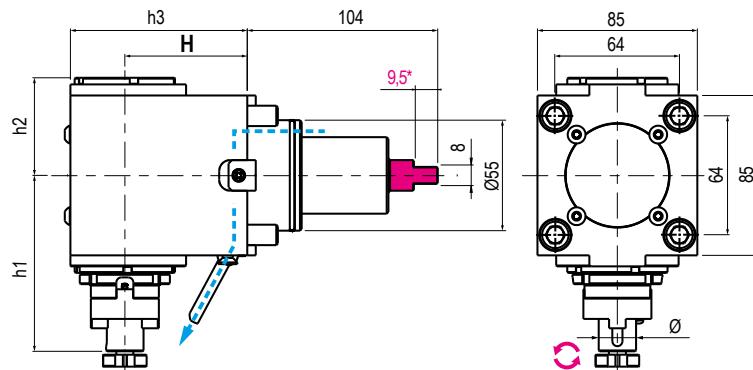
Code	*	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw
99.DS.A69		ER-25 - Ø1÷16	NO	60	81,2÷84,9	52,2	90	40	8.000	8
99.DS.A69C		ER-25 - Ø1÷16	✓	60	81,2÷84,9	52,2	90	40	8.000	8
99.DS.A70		ER-25 - Ø1÷16		85	81,2÷84,9	52,2	115	40	8.000	8
99.DS.A70C		ER-25 - Ø1÷16		85	81,2÷84,9	52,2	115	40	8.000	8
99.DS.A71		ER-25 - Ø1÷16	NO	85	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A71C		ER-25 - Ø1÷16		100	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A72		ER-25 - Ø1÷16	✓	85	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A72C		ER-25 - Ø1÷16		100	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A81		ER-25 - Ø1÷16	NO	100	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A81C		ER-25 - Ø1÷16	✓	100	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A82		ER-25 - Ø1÷16	NO	100	81,2÷84,9	52,2	130	40	8.000	8
99.DS.A82C		ER-25 - Ø1÷16	✓	100	81,2÷84,9	52,2	130	40	8.000	8

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

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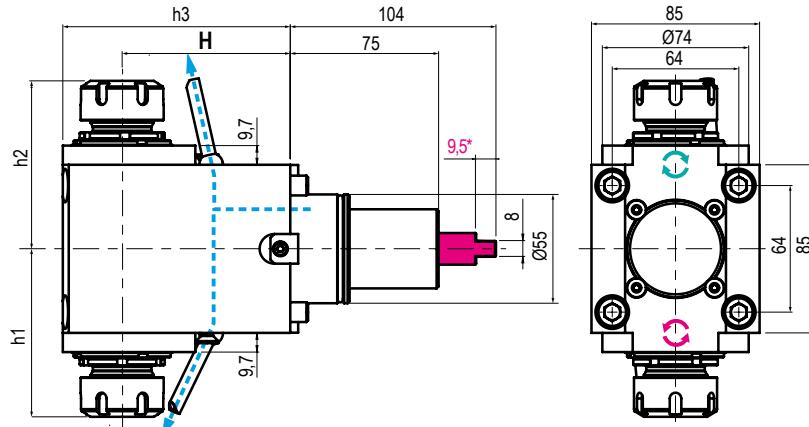
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
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*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A105T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Fresa Shell End Milling Cutter	Esterno External	1:1	Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A105	Ø16	NO	60	95	52,2	90	40	8.000	8	
99.DS.A106	Ø16	NO	70	95	52,2	100	40	8.000	8	
99.DS.A107	Ø16	NO	85	95	52,2	115	40	8.000	8	
99.DS.A108	Ø16	NO	100	95	52,2	130	40	8.000	8	



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A94T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Doppio Radiale Double Radial	Porta Pinza Collet Chuck	Esterno External	1:1	Uguale ed opposto al mandrino Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A94	ER-25-25 - Ø1÷16	NO	60	81,2÷84,9	81,2÷84,9	90	40	8.000	8	
99.DS.A95	ER-25-25 - Ø1÷16	NO	85	81,2÷84,9	81,2÷84,9	115	40	8.000	8	
99.DS.A96	ER-25-25 - Ø1÷16	NO	100	81,2÷84,9	81,2÷84,9	130	40	8.000	8	

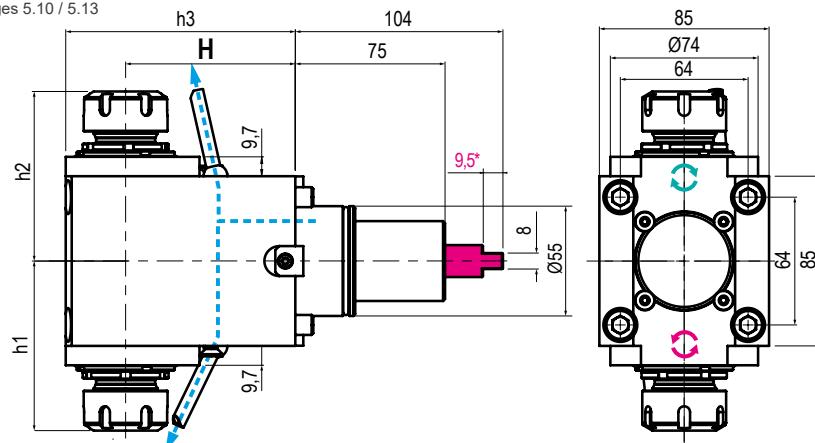
* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN HARDINGE GOODWAY HWACHEON HYUNDAI WIA JYOTI SAMSUNG VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

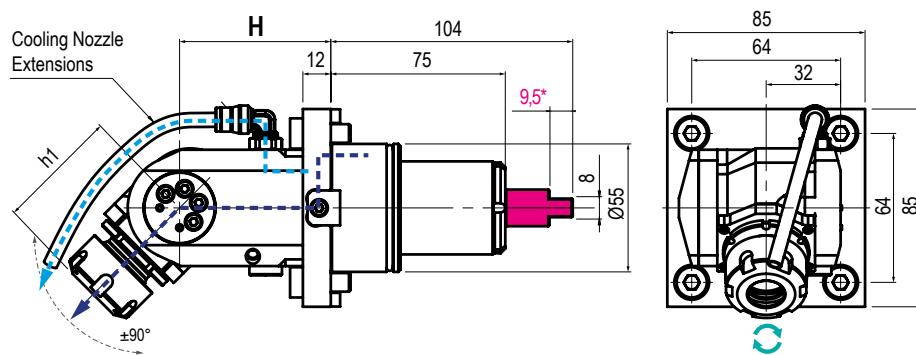
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*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A24T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION				
Doppio Radiale Double Radial	Porta Pinza Collet Chunk	Esterno External	1:1	Uguale ed opposto al mandrino Same and opposite as m. spindle				
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.DS.A24	ER-25-25 - Ø1÷16	NO	70	84,9	84,9	40	8.000	8

5



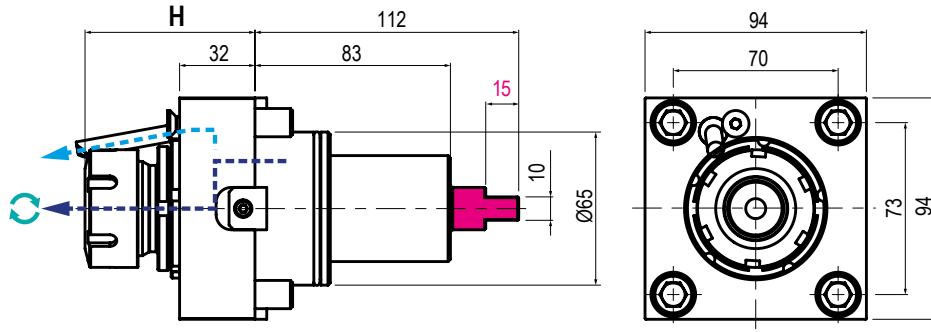
*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A23T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION			
Orientabile ±90° ±90° Adjustable	Porta Pinza Collet Chunk	80 bar	1:1	Uguale al mandrino Same as machine spindle			
Code	Output	Int Cool.	H	h1	Nm	Rpm	kw
99.DS.A23	ER-20 - Ø1÷13	NO	65	48,8÷52,5	15	8.000	3
99.DS.A66	ER-20 - Ø1÷13	✓	65	48,8÷52,5	15	8.000	3

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

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Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



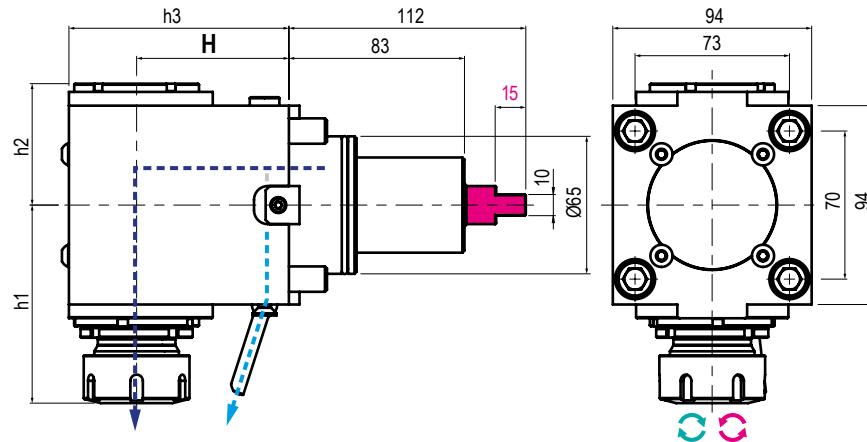
*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A41T)

TIPO - TYPE 	Assiale Axial	USCITA - OUTPUT 	Porta Pinza Collet Chunk	REFRIGERANTE COOLANT 	RATIO 	ROTAZIONE - ROTATION 	Uguale al mandrino Same as machine spindle
Code	Output	Int Cool	H	Nm	Rpm	kw	
99.DS.A41	ER-32 - Ø2÷20	NO	68,5÷72,2	70	6.000	10	
99.DS.A42	ER-32 - Ø2÷20	✓	68,5÷72,2	70	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

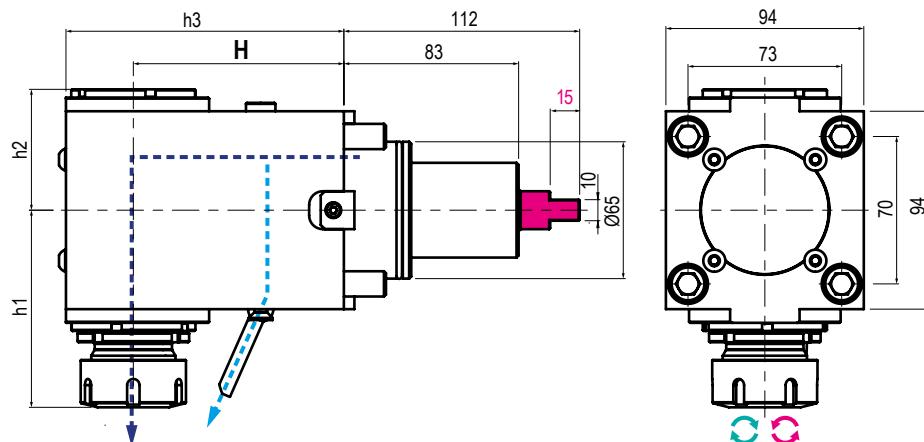
DOOSAN GOODWAY HAAS HARDINGE HWACHEON HYUNDAI WIA SAMSUNG VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

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65**


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A51T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
		80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle
Code	*	Output	Int Cool.	H
99.DS.A51		ER-32 - Ø2÷20	NO	72
99.DS.A51C				89,9÷93,6
99.DS.A52		ER-32 - Ø2÷20	✓	72
99.DS.A52C				89,9÷93,6
				Max 57,4
				104
				70
				6.000
				10

5


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A73T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
		80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle
Code	*	Output	Int Cool.	H
99.DS.A73		ER-32 - Ø2÷20	NO	100
99.DS.A73C				89,9÷93,6
99.DS.A74		ER-32 - Ø2÷20	✓	100
99.DS.A74C				89,9÷93,6
				57,4
				132
				70
				6.000
				10

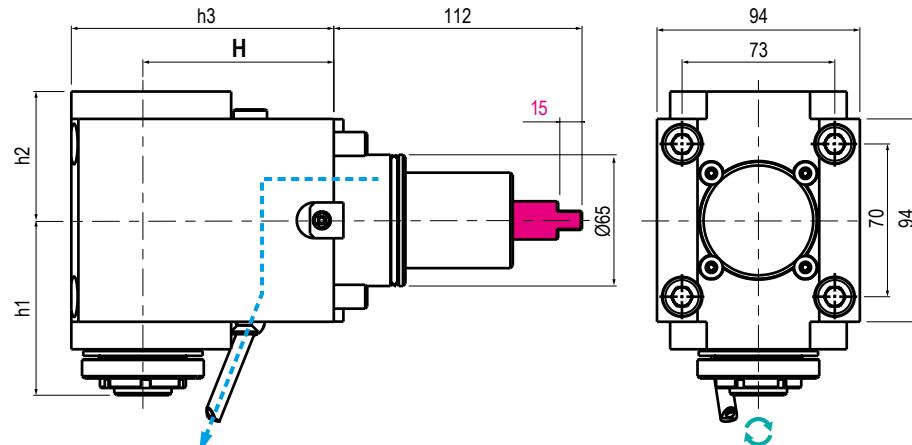
* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

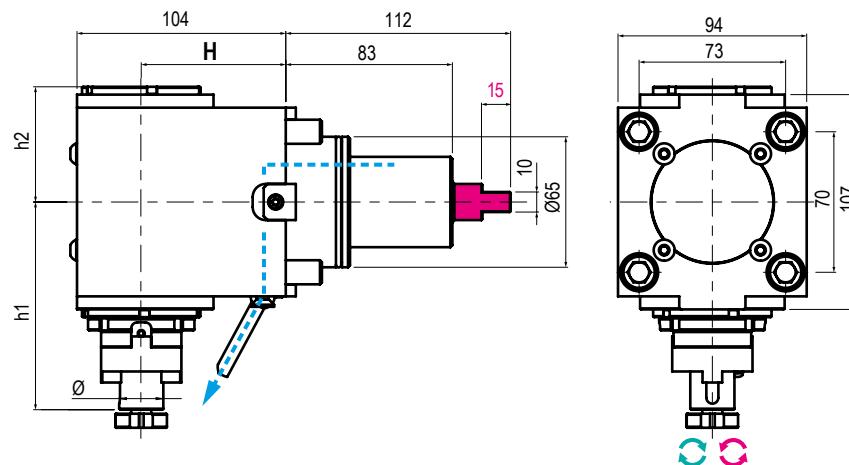
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**BMT
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*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A29T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Uguale al mandrino Same as machine spindle
Radiale Radial	Porta Pinza Collet Chunk	Esterno External	1:4	
Code	Output	Int Cool.	H	h1
99.DS.A29	ER-20 EF- Ø1÷13	NO	72	89,9+93,6
99.DS.A30	ER-20 EF-Ø1÷13	NO	72	89,9+93,6
			h2	h3
			57,4	104
			112	
			Nm	Rpm
			35	24.000
			20	24.000
			kw	
			8	



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A62T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Uguale / opposto al mandrino Same / opposite as m. spindle
Radiale Radial	Porta Fresa Shell End Milling Cutter	Esterno External	1:1	
Code	Output	Int Cool.	H	h1
99.DS.A62	Ø22	NO	72	103,5
99.DS.A111	Ø22	NO	100	103,5
			h2	h3
			57,4	70
			70	6.000
			kw	
			10	

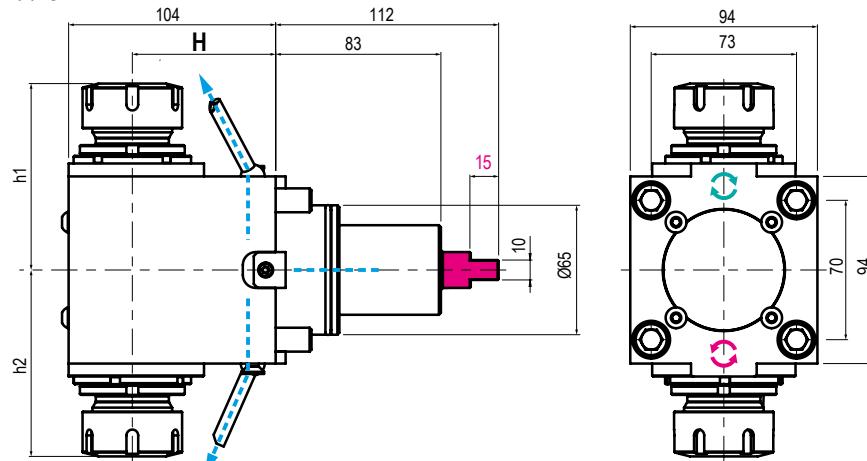
* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

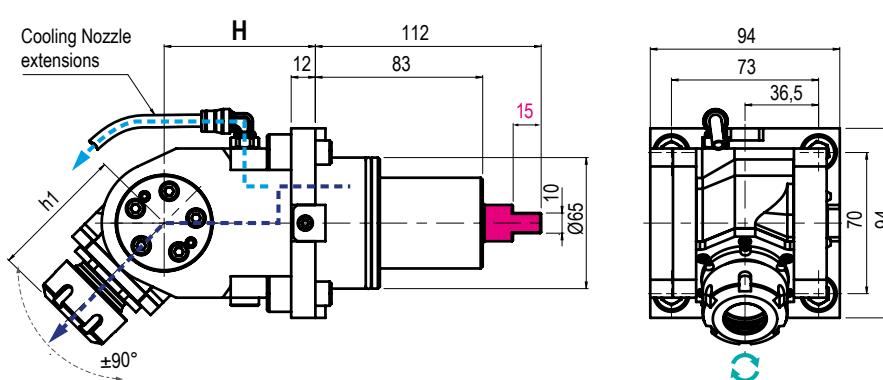
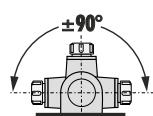
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Vedi pagine compatibilità 102-553 - See compatibility pages 502-553

**BMT
65**


*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A31T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Doppio Radiale Double Radial	Porta Pinza Collet Chunk	Esterno External	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle
Code	Output	Int Cool.	H	h1
99.DS.A31	ER-32-32 - Ø2÷20	NO	72	93÷93,6
99.DS.A78	ER-32-32 - Ø2÷20	NO	100	93÷93,6
			Nm	Rpm
			70	6.000
				10
kw				



*Disponibile versione con tenone maggiorato inserendo T dopo il codice. / Oversized tenon available - add "T" right after the code. (99.DS.A64T)

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Orientabile ±90° ±90° Adjustable	Porta Pinza Collet Chunk	80 bar	1:1	Uguale al mandrino Same as machine spindle
Code	Output	Int Cool.	H	h1
99.DS.A64	ER-25 - Ø1÷16	NO	75	63,5÷67,2
99.DS.A65	ER-25 - Ø1÷16	✓	75	63,5÷67,2
			Nm	Rpm
			25	6.000
				4
kw				

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

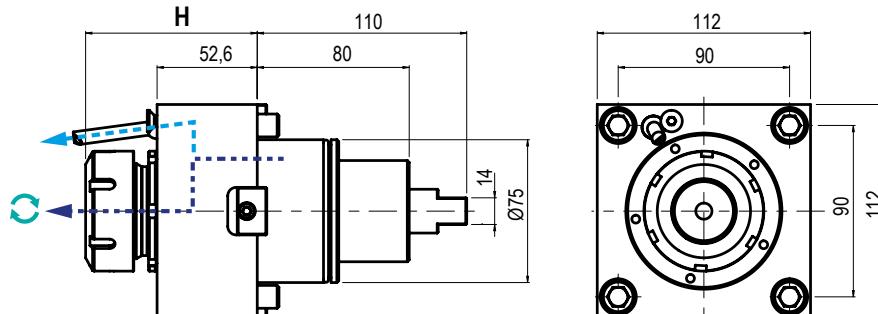
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
75


TIPO - TYPE

Assiale
Axial

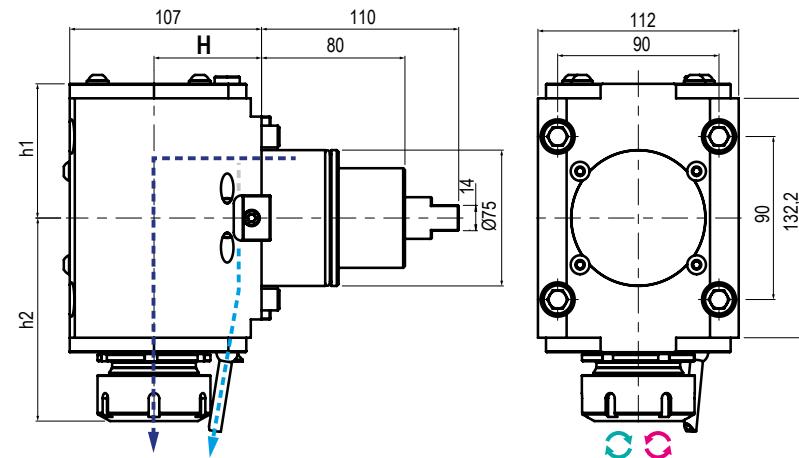
USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT

80 bar

RATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A34	ER-40 - Ø3-30	NO	86,5÷90,2	100	6.000	12	
99.DS.A35	ER-40 - Ø3-30	✓	86,5÷90,2	100	6.000	12	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT

80 bar

RATIO
1:1ROTAZIONE - ROTATION
Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	*	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A38	ER-40 - Ø3-30	NO	60	74,1	108,3÷112,1		100	6.000	12	
99.DS.A38C										
99.DS.A39	ER-40 - Ø3-30	✓	60	74,1	108,3÷112,1		100	6.000	12	
99.DS.A39C										

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

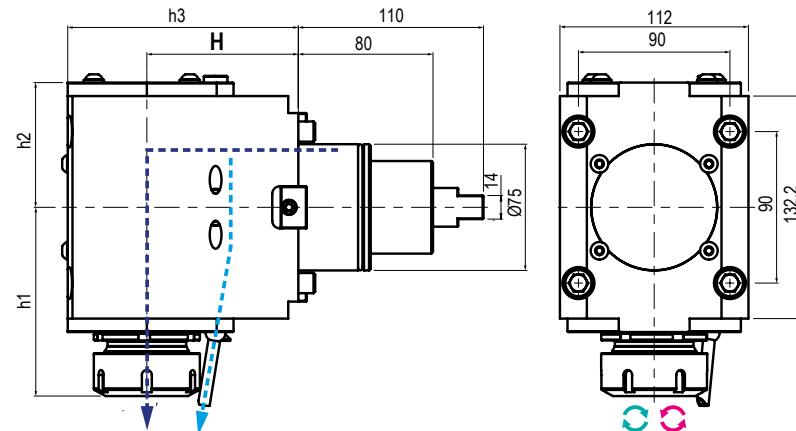
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
75


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chunk	80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle

Code	* Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw
9.DS.A138	ER-40 - Ø3-30	NO	60	112,5	68	107	100	6.000	12
99.DS.A75	ER-40 - Ø3-30	NO	90	108,3÷112,1	74,1	137	100	6.000	12
99.DS.A75C	ER-40 - Ø3-30	✓	90	108,3÷112,1	74,1	137	100	6.000	12
99.DS.A76	ER-40 - Ø3-30	✓	90	108,3÷112,1	74,1	137	100	6.000	12
99.DS.A76C	ER-40 - Ø3-30	NO	110	108,3÷112,1	74,1	157	100	6.000	12
99.DS.A85	ER-40 - Ø3-30	NO	110	108,3÷112,1	74,1	157	100	6.000	12
99.DS.A85C	ER-40 - Ø3-30	✓	110	108,3÷112,1	74,1	157	100	6.000	12
99.DS.A86	ER-40 - Ø3-30	✓	110	108,3÷112,1	74,1	157	100	6.000	12
99.DS.A86C	ER-40 - Ø3-30	✓	110	108,3÷112,1	74,1	157	100	6.000	12

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Fresa Shell End Milling Cutter	80 bar	1:1	Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw
99.DS.A112	Ø27	NO	60	120	74,1	107	100	6.000	12
99.DS.A113	Ø27	NO	90	120	74,1	137	100	6.000	12
99.DS.A114	Ø27	NO	110	120	74,1	157	100	6.000	12

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

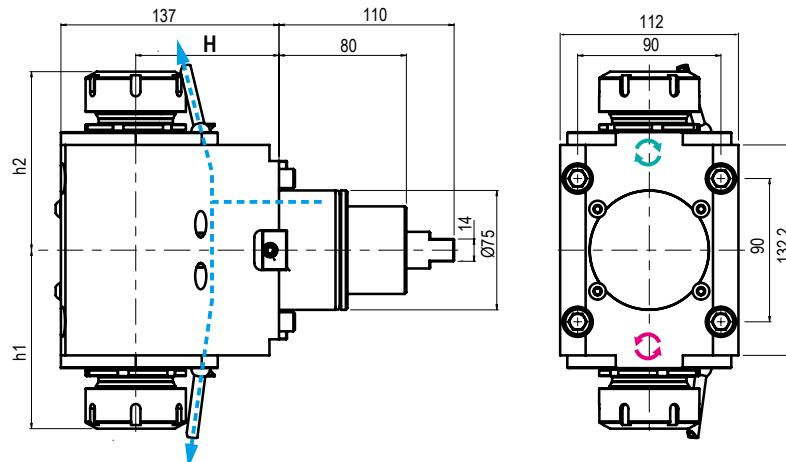
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

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TIPO - TYPE
Doppio Radiale
Double Radial

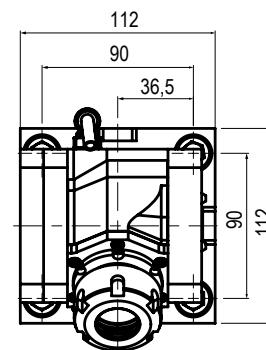
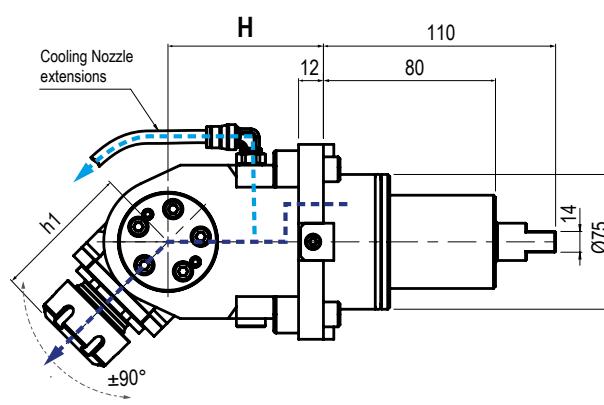
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A44	ER-40-40 - Ø3-30	NO	60	108,4÷112,1	108,4÷112,1	100	6.000	12	
99.DS.A79	ER-40-40 - Ø3-30	NO	90	108,4÷112,1	108,4÷112,1	100	6.000	12	
99.DS.A80	ER-40-40 - Ø3-30	NO	110	108,4÷112,1	108,4÷112,1	100	6.000	12	


TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Portapinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.DS.A47	ER-25 Ø1÷16	NO	75	63,5÷67,2	25	6.000	4	
99.DS.A48	ER-25 Ø1÷16	✓	75	63,5÷67,2	25	6.000	4	

*** N.B.:** Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

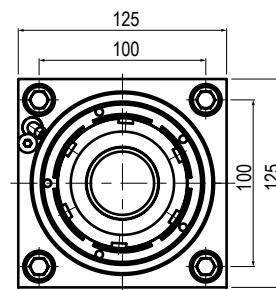
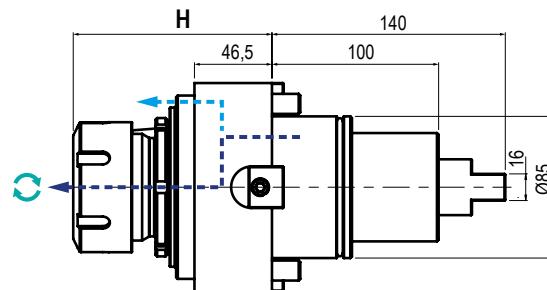
HWACHEON

HYUNDAI WIA

SAMSUNG

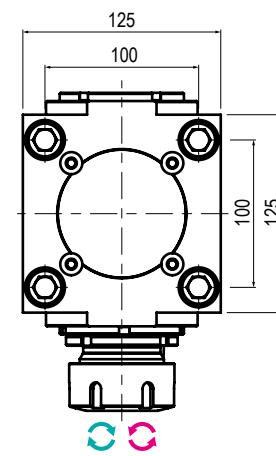
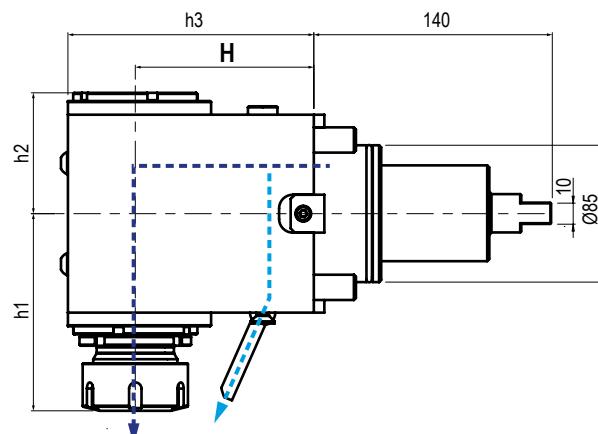
VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
85


	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Assiale Axial		Porta Pinza Collet Chunk		80 bar		1:1		Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.DS.A90	ER-50 Ø7÷34	NO	112÷119,2	150	3.200	15	
99.DS.A50	ER-50 Ø7÷34	✓	112÷119,2	150	3.200	15	



	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Radiale Radial		Porta Pinza Collet Chunk		80 bar		1:1		Uguale / opposto al mandrino Same / opposite as m. spindle

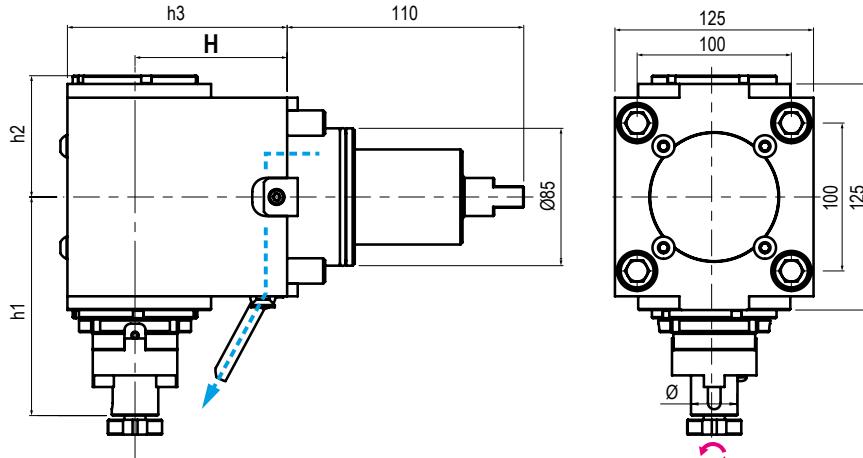
Code	*	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A77		ER-50 Ø7÷34	NO	85	140,3÷147,7	91,6	136,5	150	3.200	15	
99.DS.A77C		ER-50 Ø7÷34	✓	85	140,3÷147,7	91,6	136,5	150	3.200	15	
99.DS.A56		ER-50 Ø7÷34	✓	85	140,3÷147,7	91,6	136,5	150	3.200	15	
99.DS.A56C		ER-50 Ø7÷34	✓	110	140,3÷147,7	91,6	161,5	150	3.200	15	
99.DS.A89		ER-50 Ø7÷34	NO	110	140,3÷147,7	91,6	161,5	150	3.200	15	
99.DS.A89C		ER-50 Ø7÷34	✓	110	140,3÷147,7	91,6	161,5	150	3.200	15	
99.DS.A57		ER-50 Ø7÷34	✓	110	140,3÷147,7	91,6	161,5	150	3.200	15	
99.DS.A57C		ER-50 Ø7÷34	✓	110	140,3÷147,7	91,6	161,5	150	3.200	15	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN HWACHEON HYUNDAI WIA SAMSUNG VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


**BMT
85**

TIPO - TYPE
Radiale
Radial

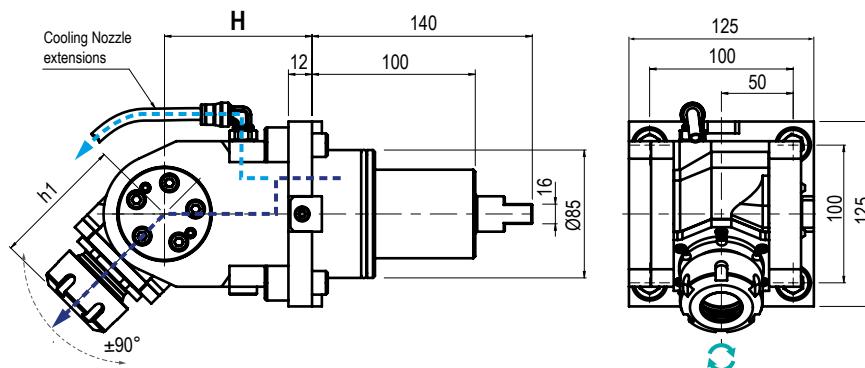
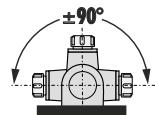
USCITA - OUTPUT
Porta Fresa
Shell End Milling Cutter

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A115	Ø27	NO	85	136	91,6	136,5	150	3.200	15	
99.DS.A116	Ø27	NO	110	136	91,6	161,5	150	3.200	15	


5

TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Porta Pinza
Collet Chunk

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.DS.A60	ER-32 Ø2÷20	NO	167,5	52,5	50	4.000	6	
99.DS.A61	ER-32 Ø2÷20	✓	167,5	52,5	50	4.000	6	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle

Rotazione opposta al mandrino - Rotation opposite as machine spindle

NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

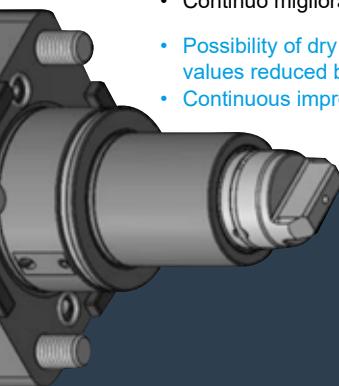
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.



Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!

NLX / NZ / SL-ZL-DL

DMG MORI

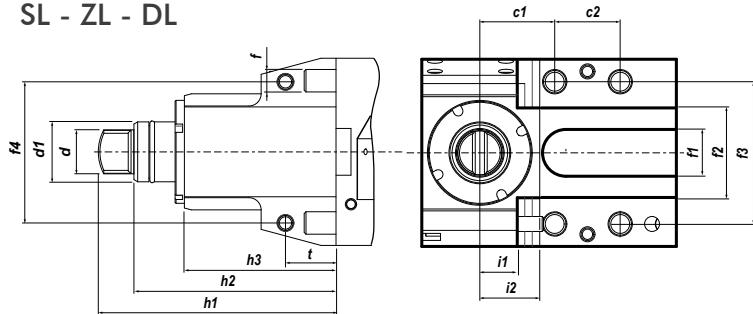
GOODWAY / CMZ / TAKISAWA JAPAN



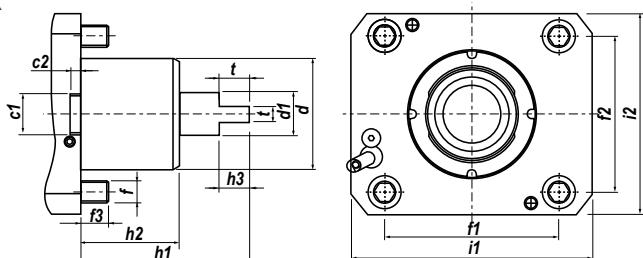
**Uscita - Output
C. ISO26623**

DISPONIBILI SU RICHIESTA
AVAILABLE ON REQUEST

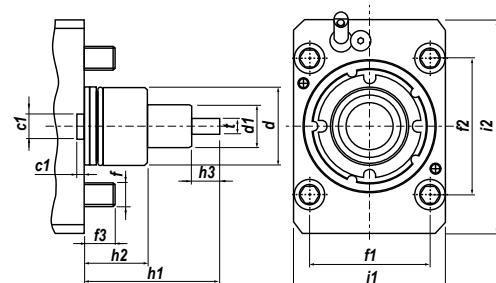
SL - ZL - DL



NLX



NZ



5

	c1	c2	d	d1	f	f1	f2	f3	f4	h1	h2	h3	i1	i2	t
NLX	20	5,5	60	23,7	M12	94	84	15	-	91	53	16,5	130	108	8
NZ	12	4,5	40	22	M10	70	62	16	-	69	32	14,4	78	110	8
SL-ZL DL	40	35	23,5	32	M12	25	48	76	76	127	107,96	81	20	32	27

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
Shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring



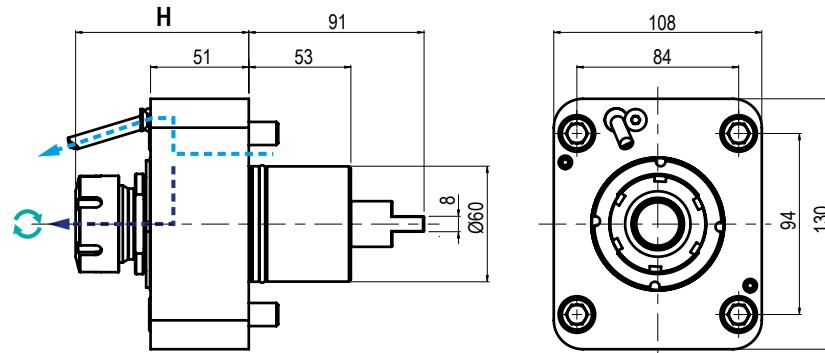
CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

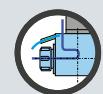
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT

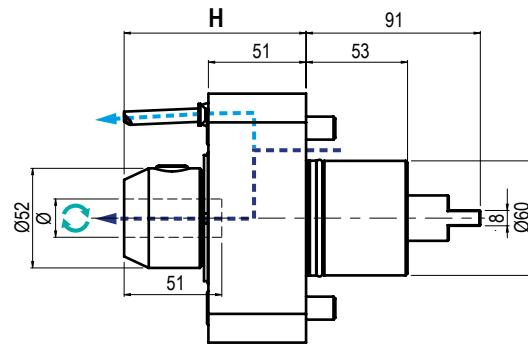
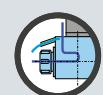
80 bar

RATIO
1:1

ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A80	ER-25 - Ø1÷16	NO	81,3 ÷ 85	60	10.000	10	
99.MS.A59	ER-32 - Ø2÷20	NO	86,2 ÷ 89,9	60	10.000	10	
99.MS.A62	ER-40 - Ø3÷30	NO	88,3 ÷ 92	60	10.000	10	
99.MS.A81	ER-25 - Ø1÷16	✓	81,3 ÷ 85	60	10.000	10	
99.MS.A60	ER-32 - Ø2÷20	✓	86,2 ÷ 89,9	60	10.000	10	
99.MS.A63	ER-40 - Ø3÷30	✓	88,3 ÷ 92	60	10.000	10	

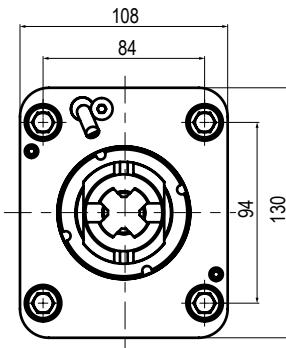
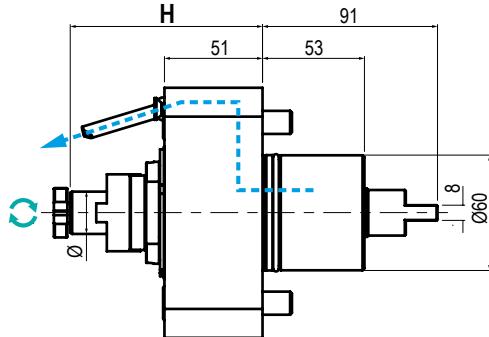
5
TIPO - TYPE
Assiale
AxialUSCITA - OUTPUT
WeldonREFRIGERANTE
COOLANT
80 barRATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A01	Ø20	NO	95	60	10.000	10	
99.MS.A02	Ø20	✓	95	60	10.000	10	
99.MS.A03	Ø25	NO	125,1	60	10.000	10	
99.MS.A04	Ø25	✓	125,1	60	10.000	10	
99.MS.A05	Ø1"	NO	125,1	60	10.000	10	
99.MS.A06	Ø1"	✓	125	60	10.000	10	

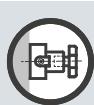
MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

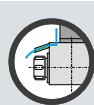
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

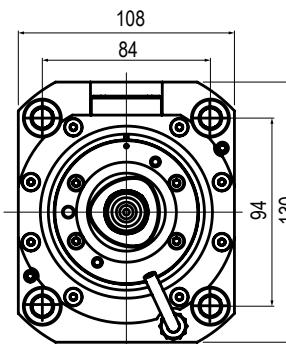
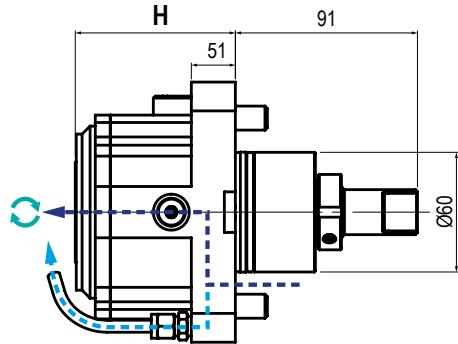
Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANT
Esterno
External

RATIO

1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A67	Ø 22	NO	100	60	6.000	10	
99.MS.A68	Ø 27	NO	100	60	6.000	10	

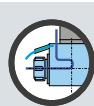


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

C. ISO26623

REFRIGERANTE
COOLANT
80 bar

RATIO

1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

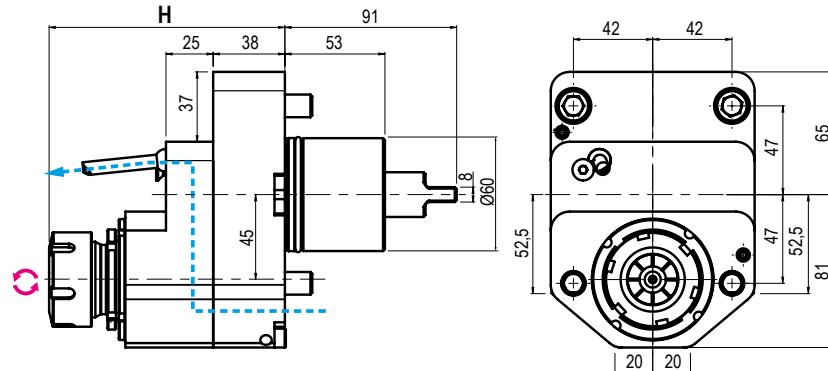
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A89	C5	NO	80	100	10.000	5,2	
99.MS.A90	C4	NO	80	100	10.000	5,2	
99.MS.A91	C5	✓	80	100	10.000	5,2	
99.MS.A92	C4	✓	80	100	10.000	5,2	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX



TIPO - TYPE

Disassato
Offset Axis



USCITA - OUTPUT

Porta Pinza
Collet Chunk



REFRIGERANTE

COOLANT
Esterno
External



1:1

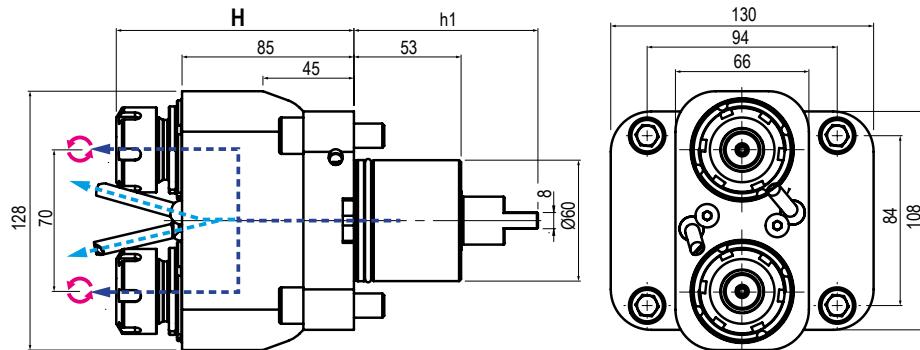


ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MS.A61	ER-32 - Ø2÷20	NO	121,3÷125	100	10.000	10

5



TIPO - TYPE
Doppio Assiale
Double Axial



USCITA - OUTPUT
Porta Pinza
Collet Chunk



REFRIGERANTE
COOLANT
80 bar



1:1



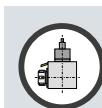
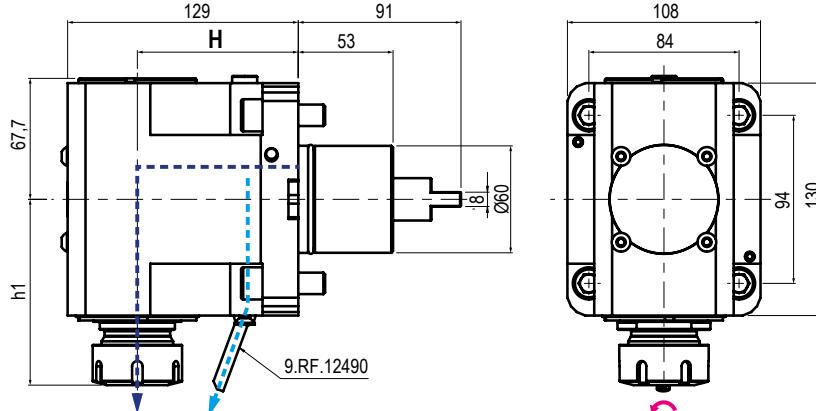
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MS.A57	ER-25-25 - Ø1÷16	NO	113,8÷117,5	40	6000	10
99.MS.A58	ER-25-25 - Ø1÷16	✓	113,8÷117,5	40	6000	10

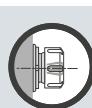
MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

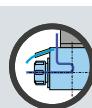
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX


TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet Chunk

REFRIGERANTE

COOLANT

80 bar



RATIO

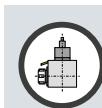
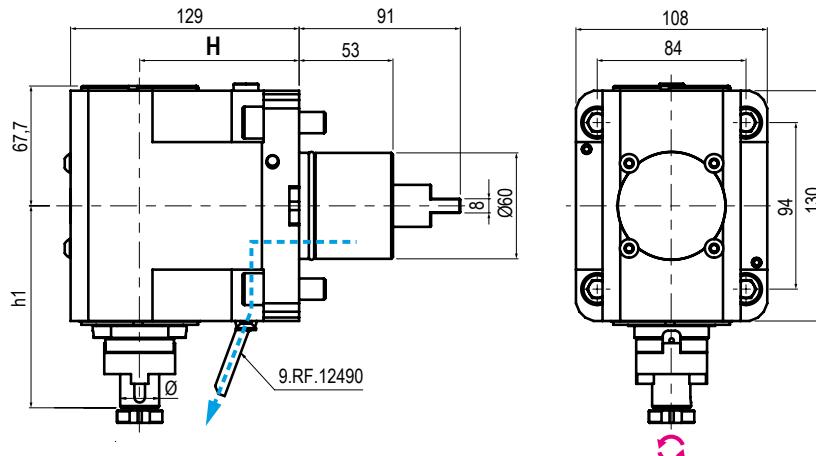
1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MS.A72	ER-32 - Ø2÷20	NO	90	103,9	60	10.000	10	
99.MS.A73	ER-32 - Ø2÷20	✓	90	103,9	60	10.000	10	
99.MS.A76	ER-40 - Ø3÷30	NO	90	106	60	10.000	10	
99.MS.A77	ER-40 - Ø3÷30	✓	90	106	60	10.000	10	
99.MS.A82	ER-25 - Ø1÷16	NO	90	95,3÷99	60	10.000	10	
99.MS.A83	ER-25 - Ø1÷16	✓	90	95,3÷99	60	10.000	10	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Fresa
Shell End Milling Cutter

REFRIGERANTE

External



RATIO

1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

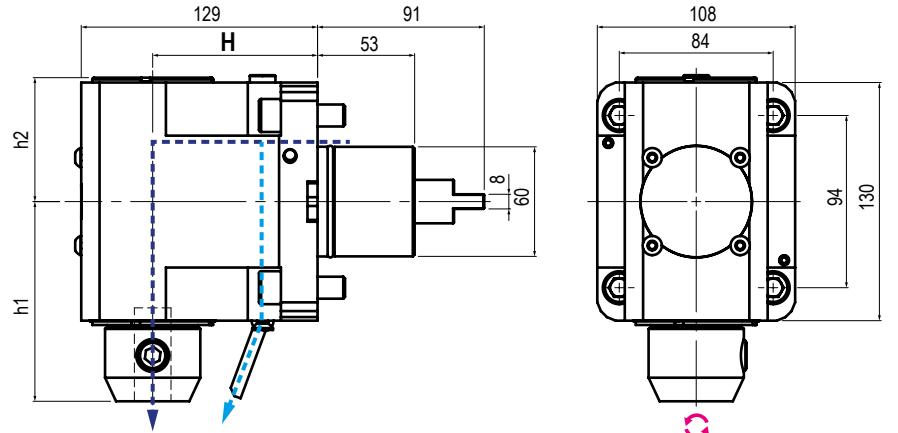
Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MS.A88	Ø16	NO	90	67,7	60	6.000	10	
99.MS.A69	Ø22	NO	90	67,7	60	6.000	10	
99.MS.A70	Ø27	NO	90	67,7	60	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX



TIPO - TYPE

Radiale
Radial



USCITA - OUTPUT

Weldon



REFRIGERANTE
COOLANT

80 bar



RATIO

1:1

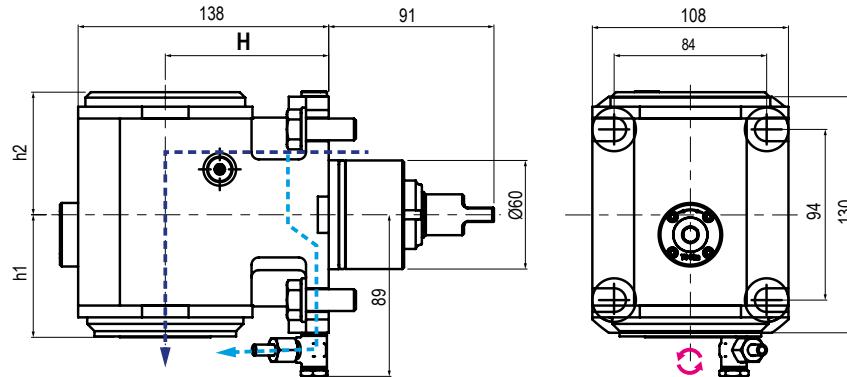


ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A07	Ø20	NO	90	109	67,7	60	10.000	10	
99.MS.A08	Ø20	✓	90	109	67,7	60	10.000	10	
99.MS.A09	Ø25	NO	90	139	67,7	60	10.000	10	
99.MS.A10	Ø25	✓	90	139	67,7	60	10.000	10	
99.MS.A11	Ø1"	NO	90	139	67,7	60	10.000	10	
99.MS.A12	Ø1"	✓	90	139	67,7	60	10.000	10	
99.MS.A13	Ø32	NO	90	141	67,7	60	10.000	10	
99.MS.A14	Ø32	✓	90	141	67,7	60	10.000	10	

5



TIPO - TYPE

Radiale
Radial



USCITA - OUTPUT

C. ISO26623



REFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

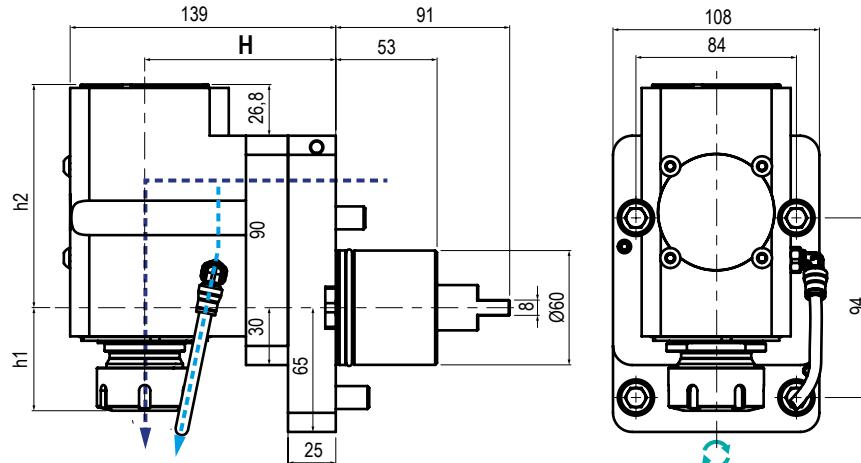
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A93	C5	NO	90	68	68	100	10.000	5,2	
99.MS.A95	C5	✓	90	68	68	100	10.000	5,2	
99.MS.A20	C4	✓	90	68	68	100	10.000	5,2	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

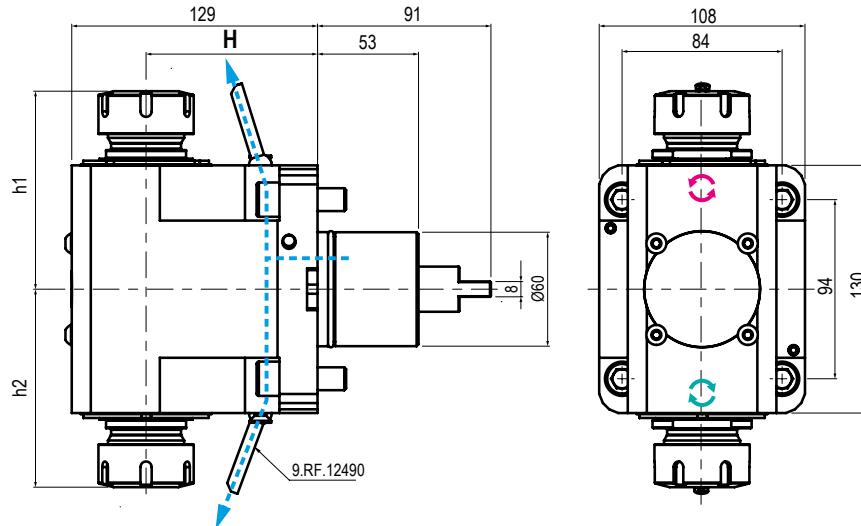
DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**NLX**

TIPO - TYPE	Arretato Rear Offset	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				80 bar		1:1
						Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.MS.A74	ER-32 - Ø2÷20	NO	100	MAX 53,9	117	60	10000	10
99.MS.A75	ER-32 - Ø2÷20	✓	100	MAX 53,9	117	60	10000	10



5

TIPO - TYPE	Doppio Radiale Radial Double	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Esterno External		1:1
						Uguale ed opposto al mandrino Same and opposite as m. spindle

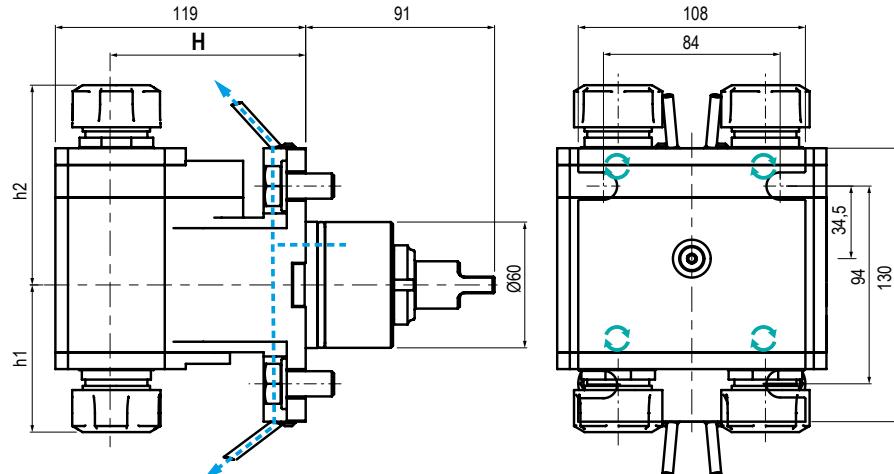
Code	Output Ø	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.MS.A84	ER-32 - 32 Ø2÷20	NO	90	100 ÷ 103,9	100÷103,9	60	10.000	10
99.MS.A85	ER-40 - 40 Ø3÷30	NO	90	102,3 ÷ 106	102,3÷106	60	10.000	10

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NLX



TIPO - TYPE
Radiale 4 uscite
Radial 4 Outputs



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External

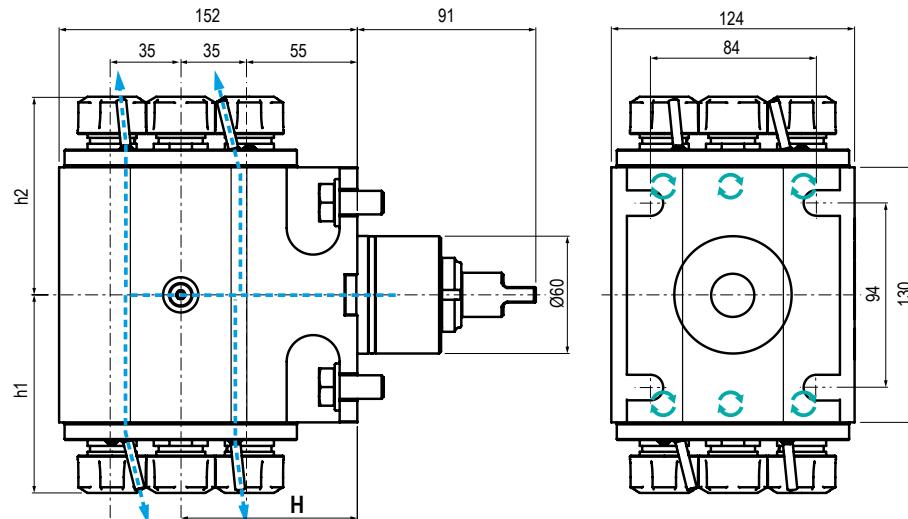


RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MS.A96	ER-25 - Ø1÷16	NO	90	63,3÷70	40	6.000	2,1	



TIPO - TYPE
Radiale 8 uscite
Radial 8 Outputs



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1



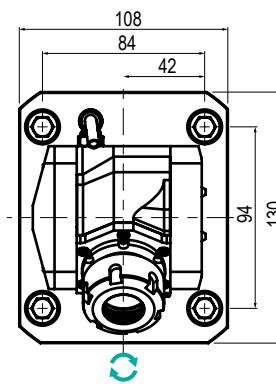
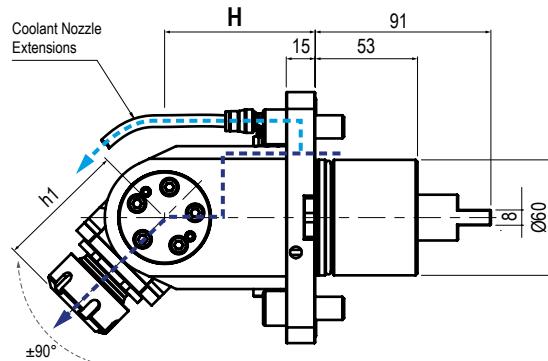
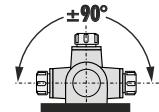
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A97	ER-20 - Ø1÷13	NO	90	97,3÷101	97,3÷101	20	6000	1,1	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



TIPO - TYPE

Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

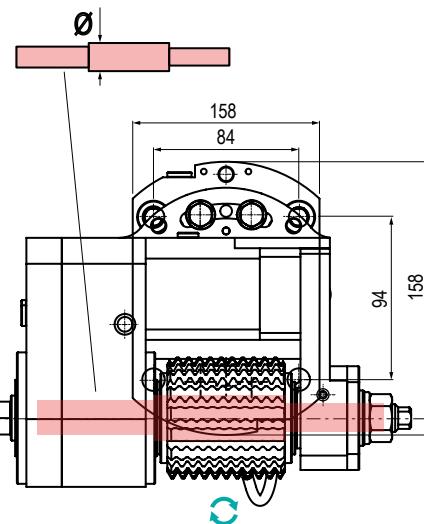
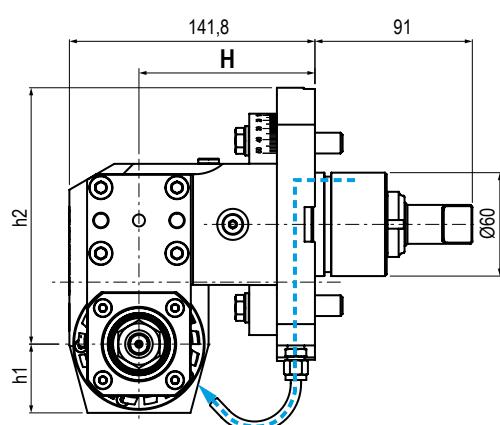
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MS.A86	ER-25 - Ø1÷16	NO	78	Max. 67,2	25	10.000	4	
99.MS.A87	ER-25 - Ø1÷16	✓	78	Max. 67,2	25	10.000	4	



TIPO - TYPE

Porta Creatore
Driven gear hobber

USCITA - OUTPUT

REFRIGERANTE
COOLANTEsterno
External

RATIO

2:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

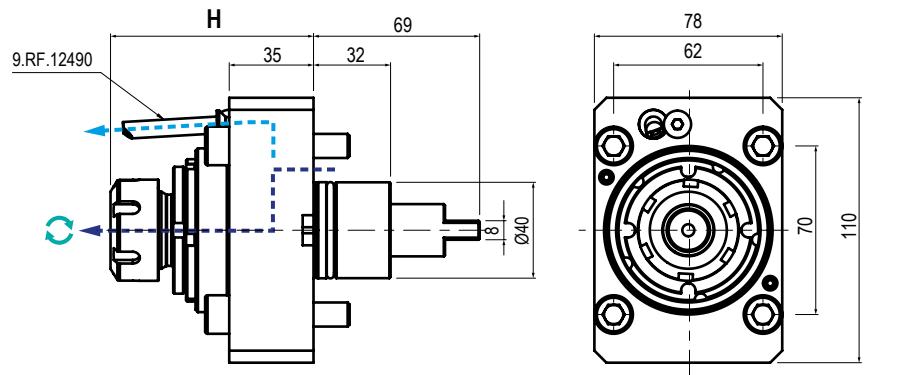
Code	Ø	Int Cool.	H	h1	h2	Nm	Rpm	
99.MS.A98	Ø16	NO	101,77	141,8	91	150	3.000	
99.MS.A99	Ø22	NO	101,77	141,8	91	150	3.000	
99.MS.A15	Ø27	NO	101,77	141,8	91	150	3.000	
99.MS.A16	Ø32	NO	101,77	141,8	91	150	3.000	
99.MS.A17	Ø0,75"	NO	101,77	141,8	91	150	3.000	
99.MS.A18	Ø1"	NO	101,77	141,8	91	150	3.000	
99.MS.A19	Ø1,25"	NO	101,77	141,8	91	150	3.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

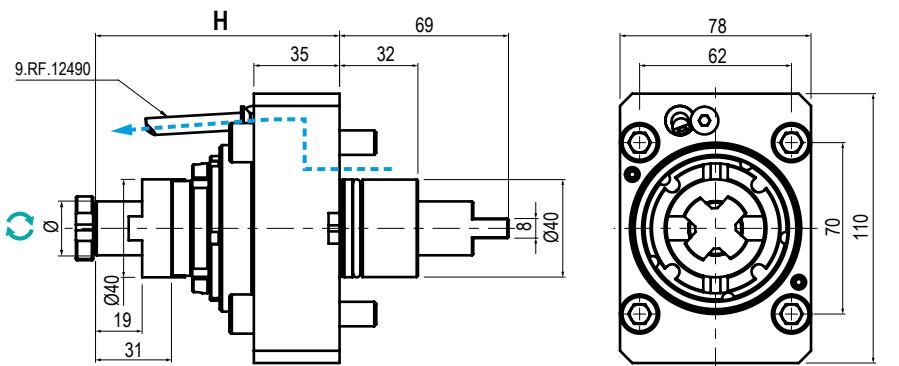
NZ



TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				100 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MS.A101	ER-25 - Ø1÷16	NO	80,6 ÷ 84,3	50	12.000	7,5
99.MS.A103	ER-32 - Ø2÷20	NO	85,5 ÷ 89,2	50	12.000	7,5
99.MS.A102	ER-25 - Ø1÷16	✓	80,6 ÷ 84,3	50	12.000	7,5
99.MS.A104	ER-32 - Ø2÷20	✓	85,5 ÷ 89,2	50	12.000	7,5

5



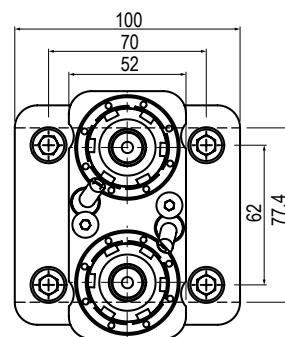
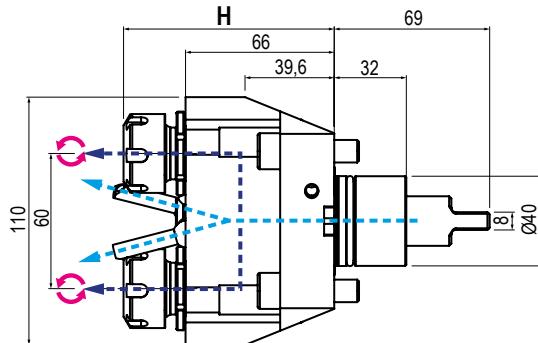
TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Esterno External	1:1	Uguale al mandrino Same as machine spindle

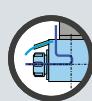
Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MS.A105	Ø22	NO	100	50	12.000	7,5

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NZ

TIPO - TYPE
 Assiale Doppio
 Double Axial

USCITA - OUTPUT
 Porta Fresa
 Shell End Milling Cutter

**REFRIGERANTE
COOLANT**
 Esterno
 External

RATIO
 1:1

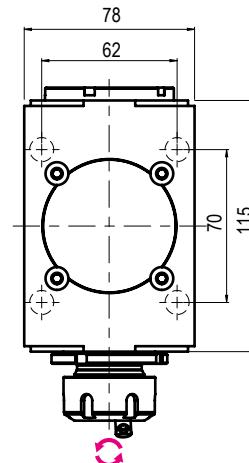
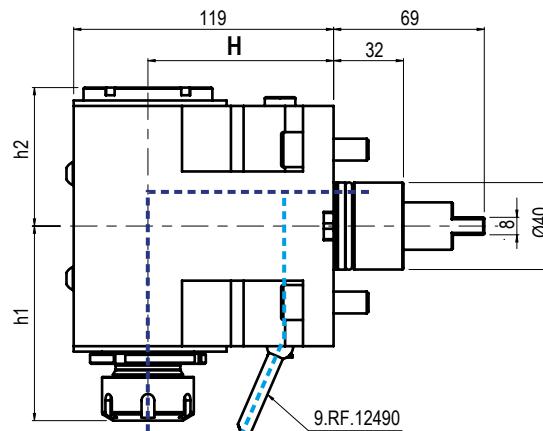
ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A121	ER-20 - Ø1÷13	NO	87,8÷91,5	30	6.000	5,5	
99.MS.A122	ER-20 - Ø1÷13	✓	87,8÷91,5	30	6.000	5,5	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

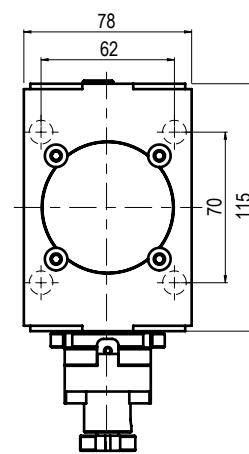
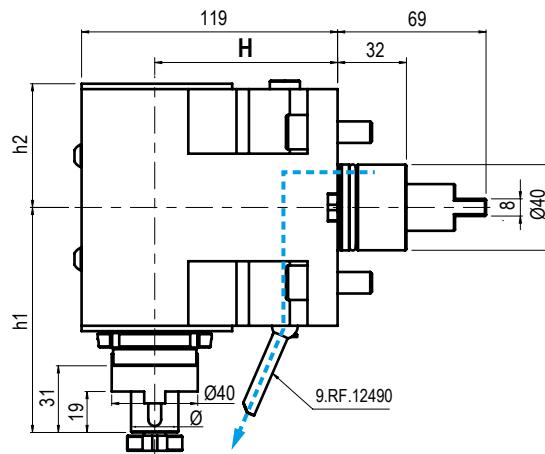
DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NZ


TIPO - TYPE Radiale Radial	USCITA - OUTPUT Porta Pinza Collet Chuck	REFRIGERANTE COOLANT 100 bar	RATIO 1:1	ROTAZIONE - ROTATION Opposto al mandrino Opposite to machine spindle
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Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.MS.A108	ER-32 - Ø2÷20	NO	85	Max 94	57,5	50	12.000	7,5
99.MS.A109	ER-32 - Ø2÷20	✓	85	Max 94	63,5	50	12.000	7,5
99.MS.A106	ER-25 - Ø1÷16	NO	85	Max 94	57,5	50	12.000	7,5
99.MS.A107	ER-25 - Ø1÷16	✓	85	Max 94	63,5	50	12.000	7,5

5


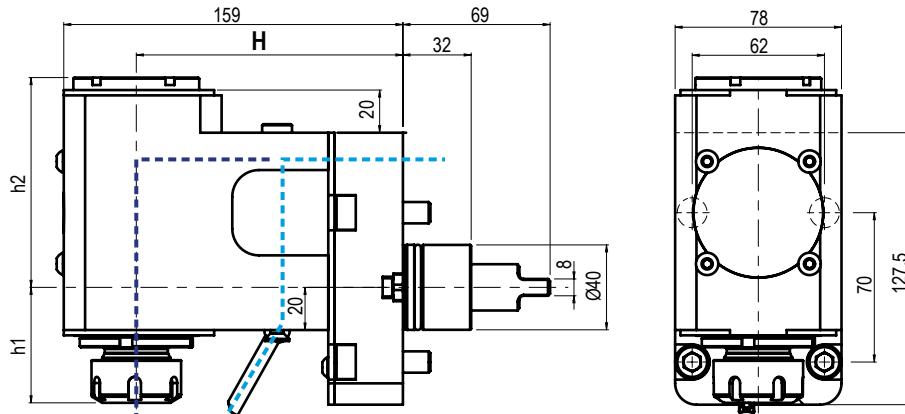
TIPO - TYPE Radiale Radial	USCITA - OUTPUT Porta Fresa Shell End Milling Cutter	REFRIGERANTE COOLANT Esterno External	RATIO 1:1	ROTAZIONE - ROTATION Opposto al mandrino Opposite to machine spindle
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Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.MS.A110	Ø22	NO	85	104,6	57,5	50	12.000	7,5

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


NZ
TIPO - TYPE
 Arretro
 Rear Offset

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
COOLANT
 100 bar

RATIO
 1:1

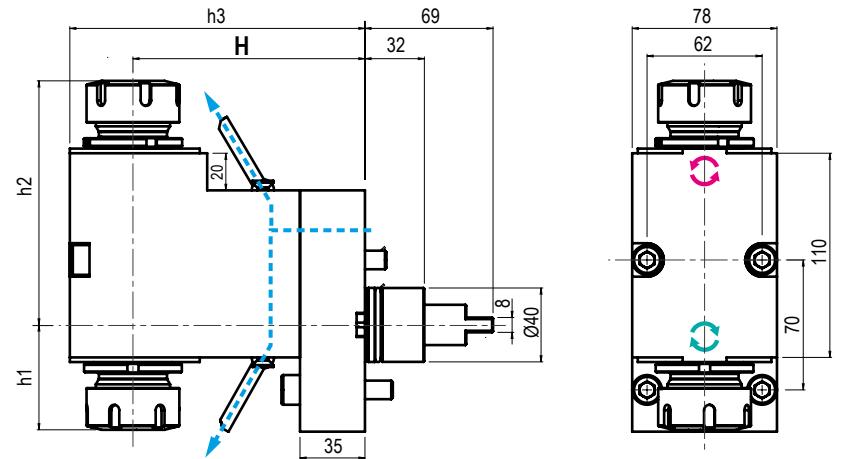
ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A111*	ER-25 - Ø1÷16	NO	125	Max 54,1	92,5	50	12.000	7,5	
99.MS.A112*	ER-25 - Ø1÷16	✓	125	Max 54,1	92,5	50	12.000	7,5	
99.MS.A123	ER-25 - Ø1÷16	NO	125	50,4÷54,1	92,5	50	12.000	7,5	
99.MS.A124	ER-25 - Ø1÷16	✓	125	50,4÷54,1	98,4	50	12.000	7,5	
99.MS.A125	ER-32 - Ø2÷20	NO	125	55,3÷59	92,5	50	12.000	7,5	
99.MS.A126	ER-32 - Ø2÷20	✓	125	55,3÷59	98,4	50	12.000	7,5	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

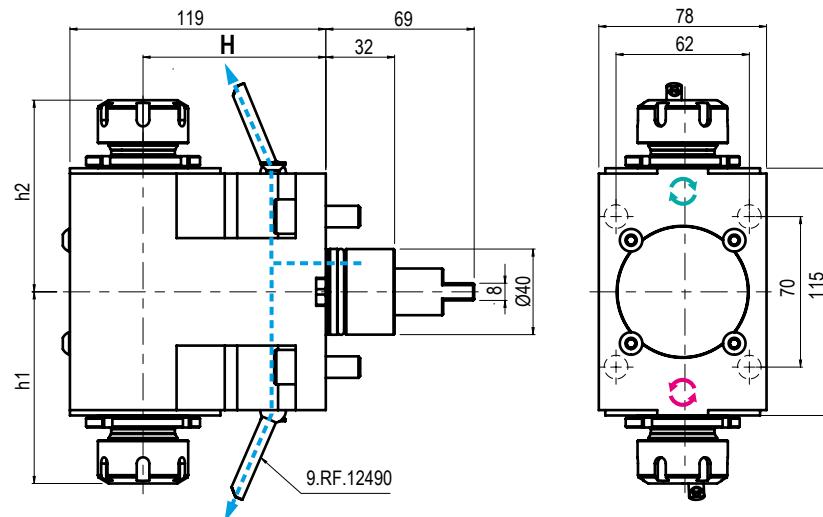
DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NZ


TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
			1:1	
Doppio arretrato Double rear offset	Porta Pinza Collet Chuck	Esterno External		Uguale ed opposto al mandrino Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A128	ER-25-25 Ø1÷16	NO	125	50,4÷54,1	120,4÷124,1	50	12.000	7,5	
99.MS.A129	ER-32-32 Ø2÷20	NO	125	55,3÷59	125,3÷129	50	12.000	7,5	

5


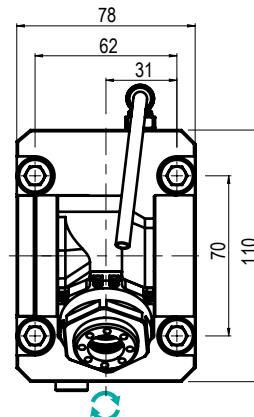
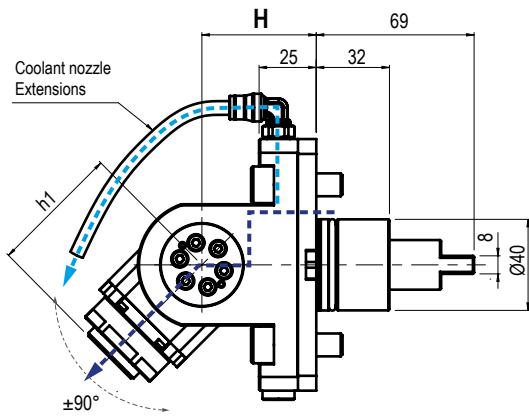
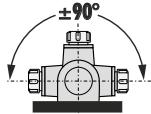
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
			1:1	
Doppio Radiale Double Radial	Porta Pinza Collet Chuck	Esterno External		Uguale ed opposto al mandrino Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A115	ER-25-25 - Ø1÷16	NO	85	Max 89	Max 89	50	12.000	7,5	
99.MS.A114	ER-32-32 - Ø2÷20	NO	85	Max 94	Max 94	50	12.000	7,5	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

NZ

TIPO - TYPE
 Orientabile ±90°
 ±90° Adjustable

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MS.A118	ER-20 - Ø1÷13	NO	50	57,1	17	12.000	5,5	
99.MS.A119	ER-20 - Ø1÷13	✓	50	57,1	17	12.000	5,5	

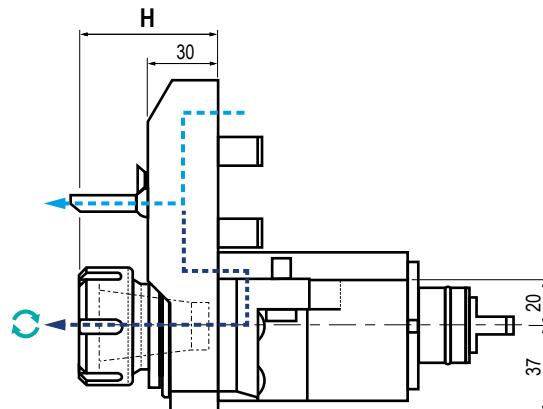
MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

CMZ

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

SL/ZL
DL

 Il disegno potrebbe subire variazioni nel tempo
 The drawings are subject to change without prior notice

 TIPO - TYPE	Assiale Axial	 USCITA - OUTPUT	Porta Pinza Collet Chuck	 REFRIGERANTE COOLANT	80 bar	 RATIO	1:1	 ROTAZIONE - ROTATION	Uguale al mandrino Same as machine spindle
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Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MS.A28	ER-32 - Ø2÷20	NO	55,5÷60	70	6.000	10	
99.MS.A29	ER-32 - Ø2÷20	✓	55,5÷60	70	6.000	10	

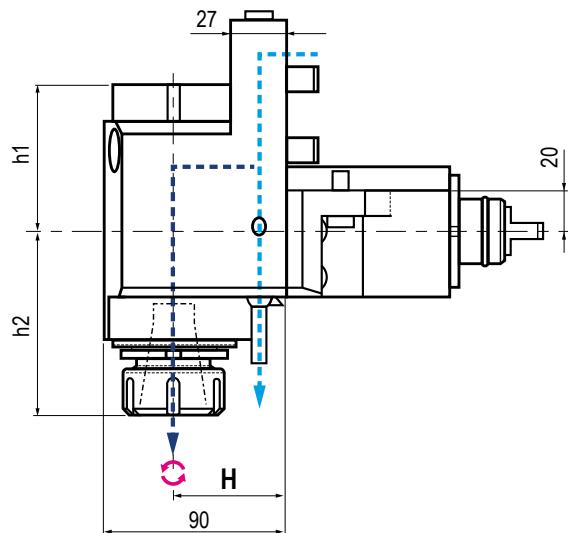
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

CMZ

GOODWAY

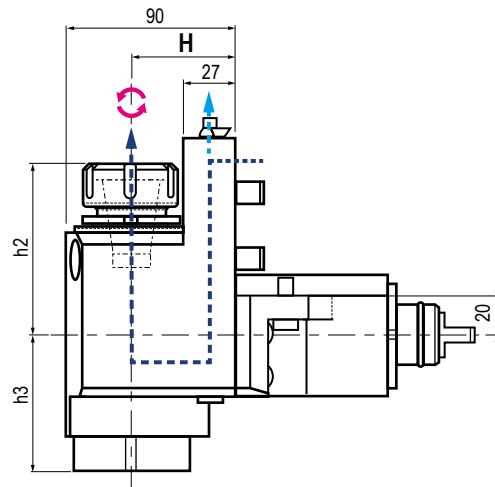
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

SL/ZL
DL


Il disegno potrebbe subire variazioni nel tempo
The drawings are subject to change without prior notice

TIPO - TYPE	Radiale	USCITA - OUTPUT	Porta Pinza	REFRIGERANTE	RATIO	ROTAZIONE - ROTATION
	Radial		Collet Chuck	COOLANT 80 bar	1:1	Uguale / opposto al mandrino Same / opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MS.A33	ER-32 - Ø2÷20	NO	55	57	89÷93,5	70	6.000	10	
99.MS.A34	ER-32 - Ø2÷20	✓	55	72	89÷93,5	70	6.000	10	



Il disegno potrebbe subire variazioni nel tempo
The drawings are subject to change without prior notice

TIPO - TYPE	Radiale Rovesciato	USCITA - OUTPUT	Porta Pinza	REFRIGERANTE	RATIO	ROTAZIONE - ROTATION
	Radial Upside Down		Collet Chuck	COOLANT 80 bar	1:1	Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h2	h3	Nm	Rpm	kw	
99.MS.A41	ER-32 - Ø2÷20	NO	55	89÷93,5	57	70	6.000	10	
99.MS.A42	ER-32 - Ø2÷20	✓	55	89÷93,5	67	70	6.000	10	

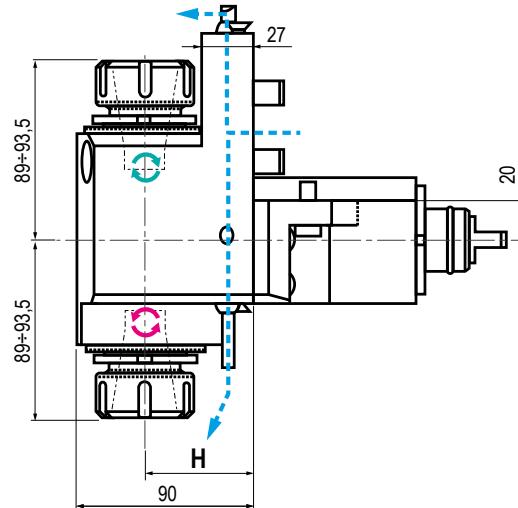
MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DMG MORI

CMZ

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

SL/ZL
DL


Il disegno potrebbe subire variazioni nel tempo

The drawings are subject to change without prior notice

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Doppio Radiale Double Radial	Porta Pinza Collet Chuck	Esterno External	1:1	Uguale ed opposto al mandrino Same and opposite as m. spindle
Code	Output	Int Cool.	H	Nm

99.MS.A49 ER 32-32 - Ø2÷20 NO 55 70 6.000 10

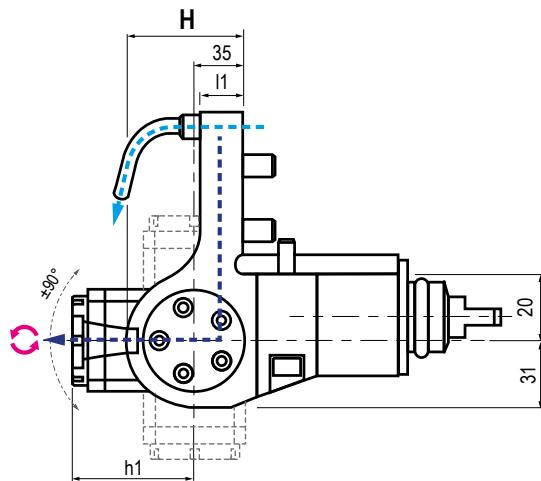
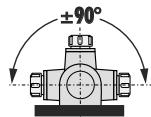
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG MORI

CMZ

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

SL/ZL
DL


Il disegno potrebbe subire variazioni nel tempo
The drawings are subject to change without prior notice


TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	I5	Nm	Rpm	kw	
99.MS.A55	ER-20 - EF Ø1÷13	NO	66	56	25	6.000	6	
99.MS.A56	ER-20 - EF Ø1÷13	✓	66	56	25	6.000	6	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



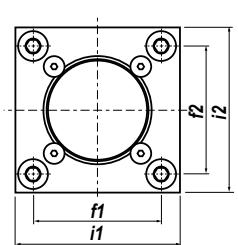
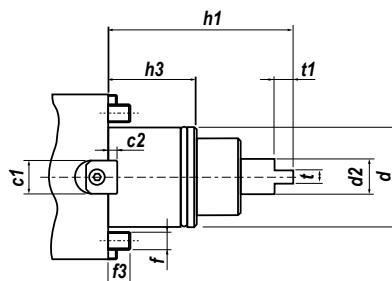
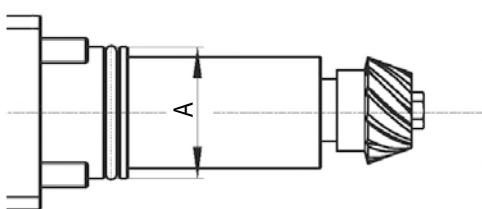
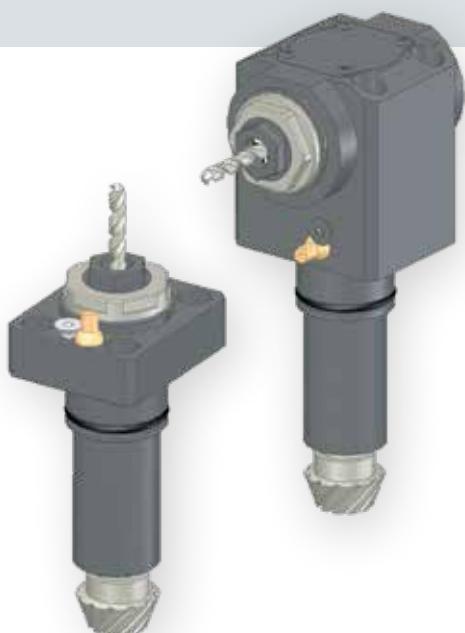
ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED



100% MADE IN ITALY

G1 / G4
**NEW
2024**


Type	A
G1	42 h6

Type	d	d2	f	f1	f2	f3	h1	h3	i1	i2	t	t1
G4	Ø60	23,7	-	84	94	15	91	55	108	130	8	16,5

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:
COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS

**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
 Tool shaft lock wrench / cooling nozzle / nozzle lock screws / Driven tool locking screws / O-ring


CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15

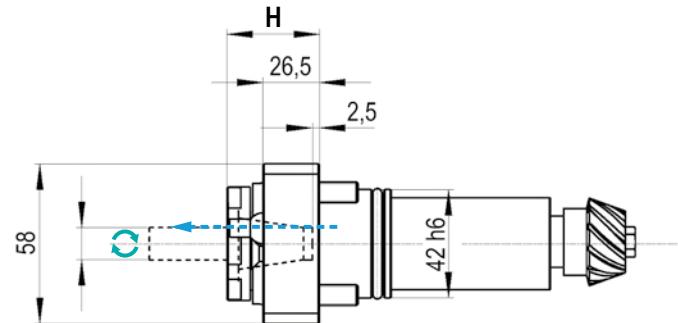
Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
 Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

G1

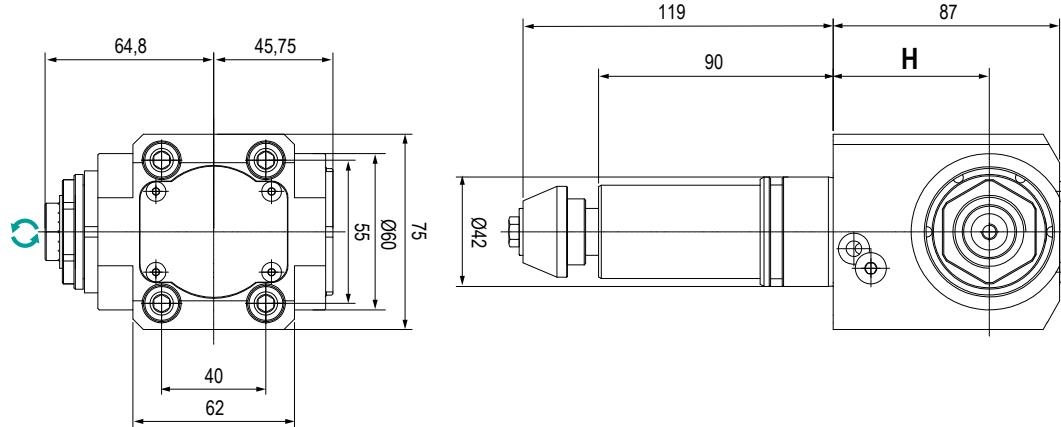


**NEW
2024**

	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Assiale Axial		Porta Pinza Collet Chuck		Esterno External		1:1		Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.GD.A01	ER-20 - DIN6499	NO	40	25	6.000	6	

5



**NEW
2024**

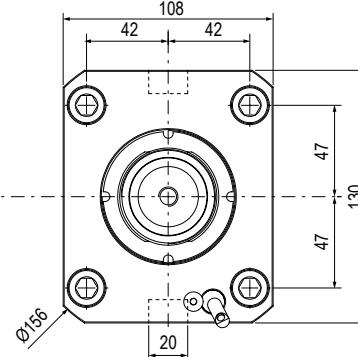
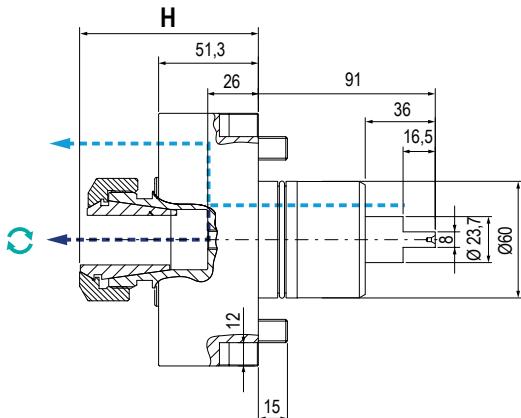
	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Radiale Radial		Porta Pinza Collet Chuck		Esterno External		1:1		Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.GD.A02	ER-20 - DIN6499	NO	60	58	46	25	6.000	6	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

G4

**NEW
2024**

TIPO - TYPE
Assiale
Axial

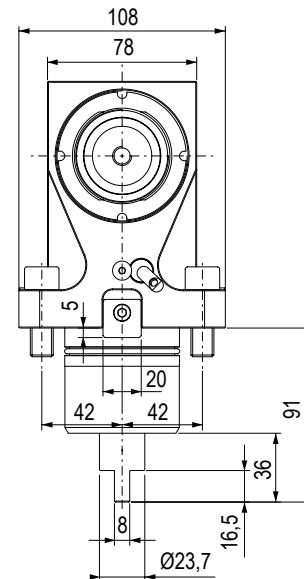
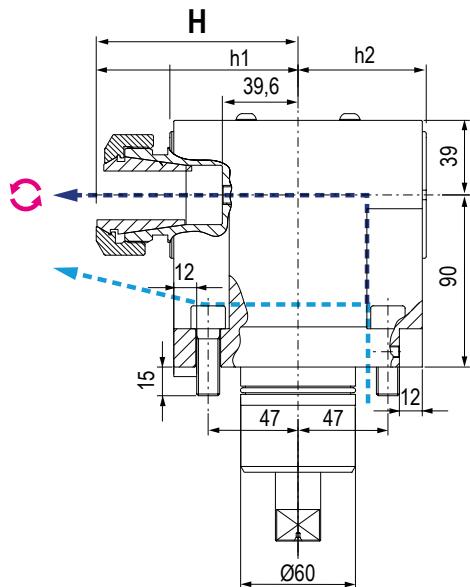
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.GD.A07	ER-40 Ø3-26	NO	Min 87,5 - Max 92	63	6.000	10	
99.GD.A08	ER-40 Ø3-26	✓	Min 87,5 - Max 92	63	6.000	10	


**NEW
2024**

TIPO - TYPE
Radiale
Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.GD.A09	ER-40 Ø3-26	NO	101÷105,5	67	67	63	6.000	10	
99.GD.A10	ER-40 Ø3-26	✓	101÷105,5	67	67	63	6.000	10	

5

NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

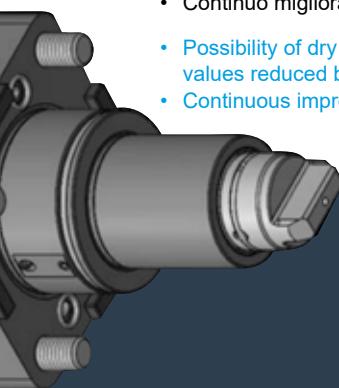
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.



Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!



VDI 40 / BMT 65

L= 104,85 / 117,55 / 130,25



		VDI						BMT	
Modello di tornio / torretta	Type of lathe / turret	VDI 40 TORRETTA STANDARD STANDARD TURRET VDI40		TORRETTA IBRIDA HYBRID TURRET		TORRETTA HAAS HAAS TURRET		DS30Y / ST20Y / ST25Y / ST30Y / ST35Y	
Modello di tornio Type of lathe		SL20/30	SL40 ST20/30	SL20/30 TL15/25	SL40	SL20/30	SL40		
Lunghezza presa di moto Coupling lenght	L (mm)	104.85	117.55	117.55	130.25	117.55	130.25		
	Code	99.HA.590083	99.HA.590082	99.HA.590082	99.HA.596352	99.HA.590082	99.HA.596352		
	Code	99.HA.590085	99.HA.590084	99.HA.590084	99.HA.596353	99.HA.590084	99.HA.596353		
c1	18	f3	15						
c2	5	h1	112						
d	65	h2	83						
d1	45	h3	32						
d2	18	i1	94						
f	M12	i2	94						
f1	70	t	10						
f2	73	t1	14						

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello
Shaft lock wrench / cooling nozzle / nozzle lock screws



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7.15 MODULAR QUICK CHANGE See page 7.12 - 7.15

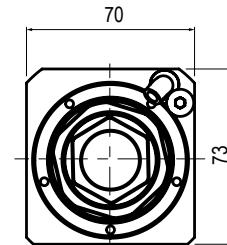
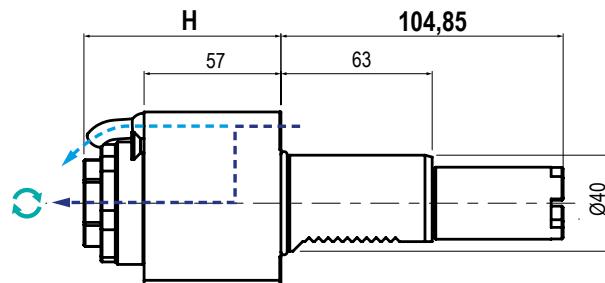
Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HAAS

STANDARD VDI40 TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

L
104,85

TIPO - TYPE
Assiale
Axial

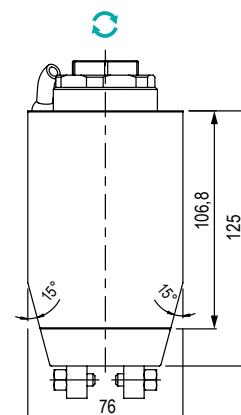
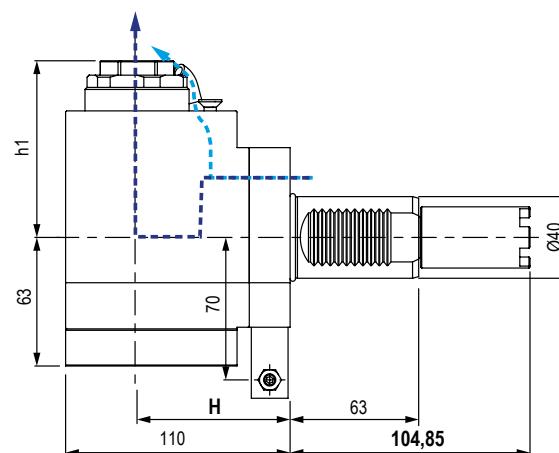
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.HA.590083	ER-32 - Ø2÷20	NO	75	63	6.000	10	
99.HA.590083B	ER-32 - Ø2÷20	✓	75	63	6.000	10	

5

TIPO - TYPE
Radiale
Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

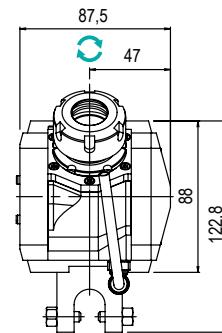
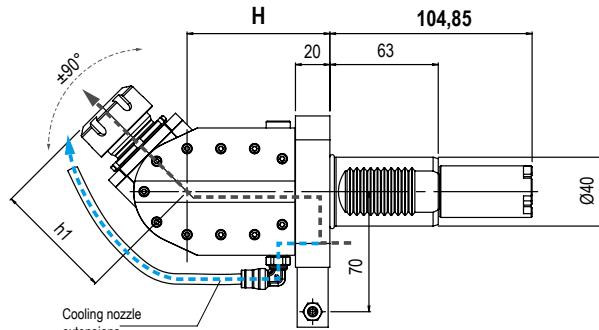
Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.590085	ER-32 - Ø2÷20	NO	75	Max 86,6	63	6.000	10	
99.HA.590085B	ER-32 - Ø2÷20	✓	75	Max 86,6	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HAAS

STANDARD VDI40 TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


L
104,85


TIPO - TYPE

Orientabile ±90°
±90° Adjustable

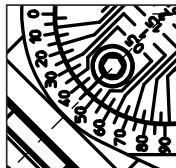
USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

25 bar

RATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.00U1	ER-25 - Ø1÷16	NO	81	Max 69,3	25	6.000	10	

**DETtaglio - Detail**

Regolazione angolare decimale in manuale
Manual decimal angular adjustment

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

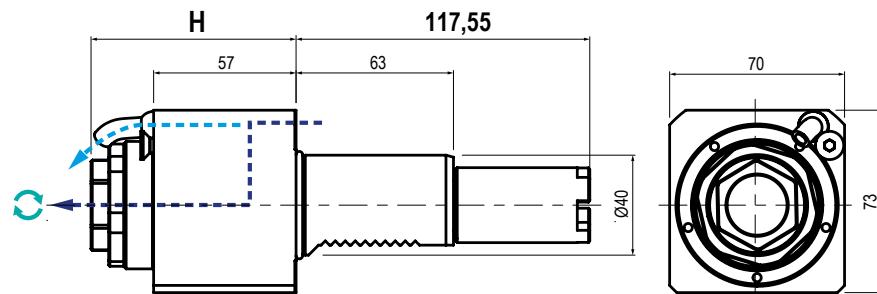
HAAS

STANDARD VDI40 TURRET

HYBRID TURRET

HAAS TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

L
117,55

TIPO - TYPE
Assiale
Axial

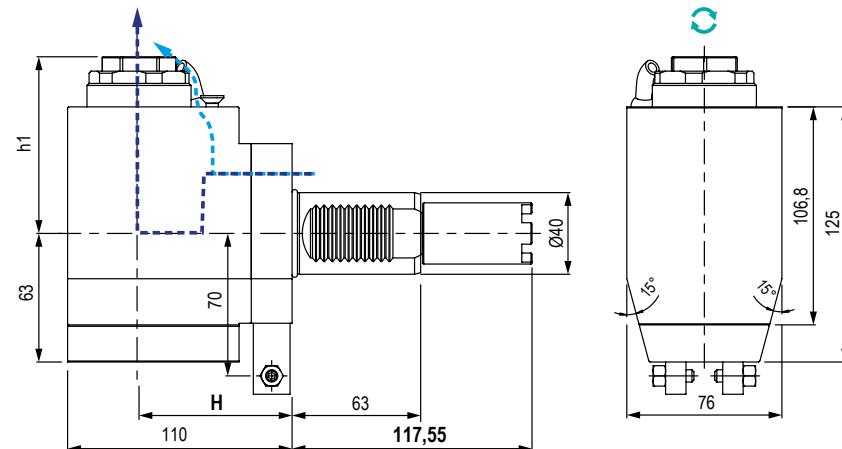
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.HA.590082	ER-32 - Ø2÷20	NO	75	63	6.000	10	
99.HA.590082B	ER-32 - Ø2÷20	✓	75	63	6.000	10	

5

TIPO - TYPE
Radiale
Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
25 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.590084	ER-32 - Ø2÷20	NO	75	Max 86,6	63	6.000	10	
99.HA.590084B	ER-32 - Ø2÷20	✓	75	Max 86,6	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

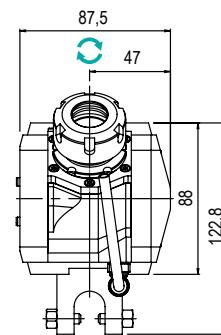
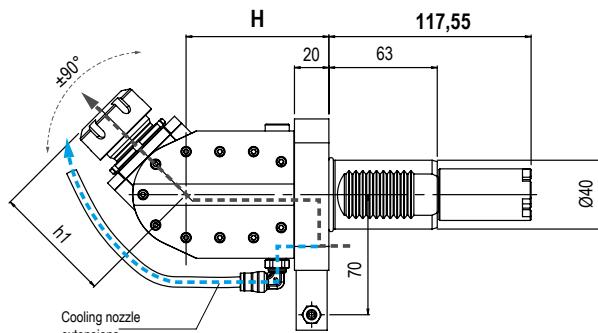
HAAS

STANDARD VDI40 TURRET

HYBRID TURRET

HAAS TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


L
117,55


TIPO - TYPE

Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT**25 bar**

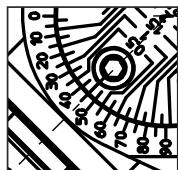
RATIO

1:1

ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.00U2	ER-25 - Ø1÷16	NO	81	Max 69,3	25	5.000	10	
99.HA.00U2B	ER-25 - Ø1÷16	✓	81	Max 69,3	25	5.000	10	


DETtaglio - Detail

Regolazione angolare decimale in manuale
Manual decimal angular adjustment

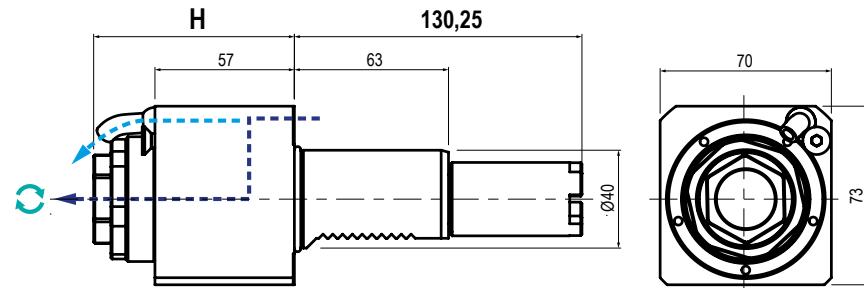
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HAAS

HYBRID TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

L
130,25



TIPO - TYPE
Assiale
Axial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



25 bar

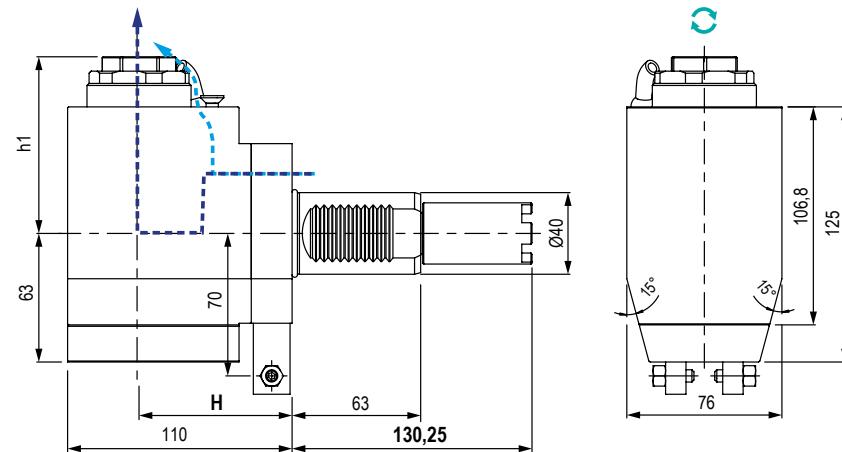
RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.HA.596352	ER-32 - Ø2÷20	NO	75	63	6.000	10	
99.HA.596352B	ER-32 - Ø2÷20	✓	75	63	6.000	10	

5



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
25 bar



25 bar

RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

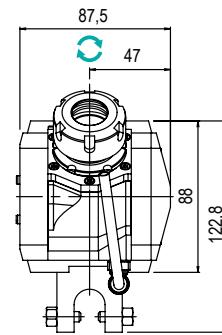
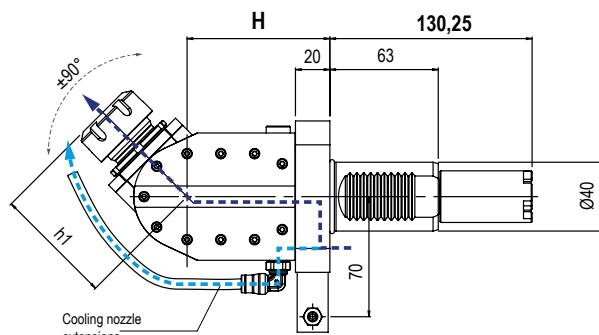
Cod.	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.596353	ER-32 - Ø2÷20	NO	75	Max 86,6	63	6.000	10	
99.HA.596353B	ER-32 - Ø2÷20	✓	75	Max 86,6	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HAAS

HYBRID TURRET

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


L
130,25

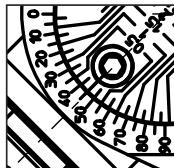

TIPO - TYPE

Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT**25 bar****RATIO**
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.HA.00U3B	ER-25 - Ø1÷16	✓	81	69,3	25	6.000	10	

**DETtaglio - Detail**

Regolazione angolare decimale in manuale
Manual decimal angular adjustment

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

DOOSAN

GOODWAY

HAAS

HARDINGE

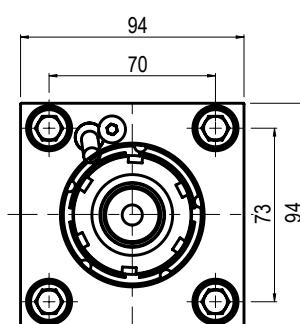
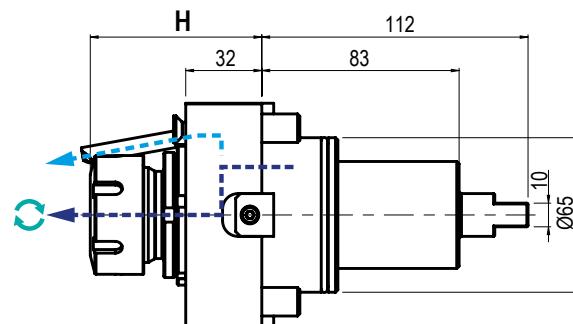
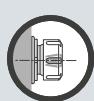
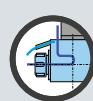
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
65

TIPO - TYPE
 Assiale
 Axial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
COOLANT
 80 bar

RATIO
 1:1

ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool	H	Nm	Rpm	kw	
99.DS.A41	ER-32 - Ø2÷20	NO	68,5÷72,2	70	6.000	10	
99.DS.A42	ER-32 - Ø2÷20	✓	68,5÷72,2	70	6.000	10	

5

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI **COMPATIBLE LATHE TYPES**

DOOSAN

GOODWAY

HAAS

HARDINGE

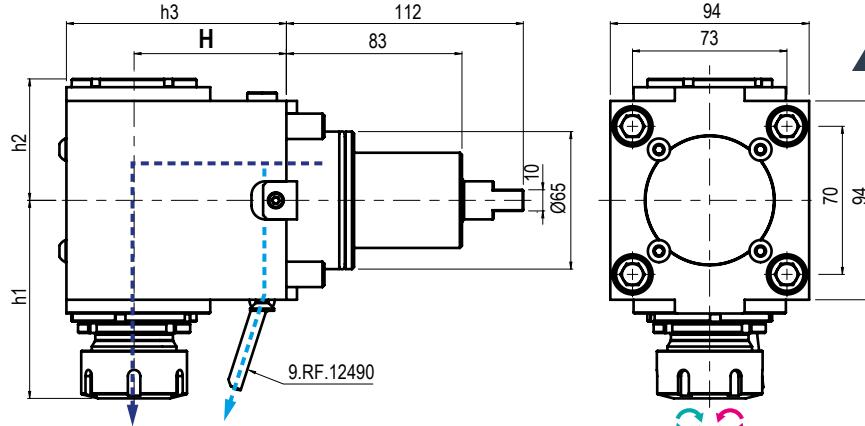
HWACHEON

HYUNDAI WIA

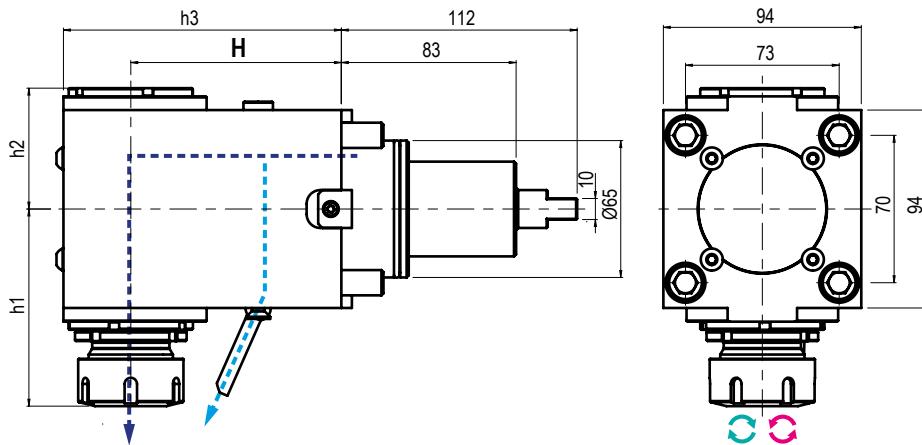
SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
Radiale Radial		Porta Pinza Collet Chuck		80 bar		1:1		Uguale / opposto al mandrino Same / opposite as m. spindle	



	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
Radiale Radial		Porta Pinza Collet Chuck		80 bar		1:1		Uguale / opposto al mandrino Same / opposite as m. spindle	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

GOODWAY

HAAS

HARDINGE

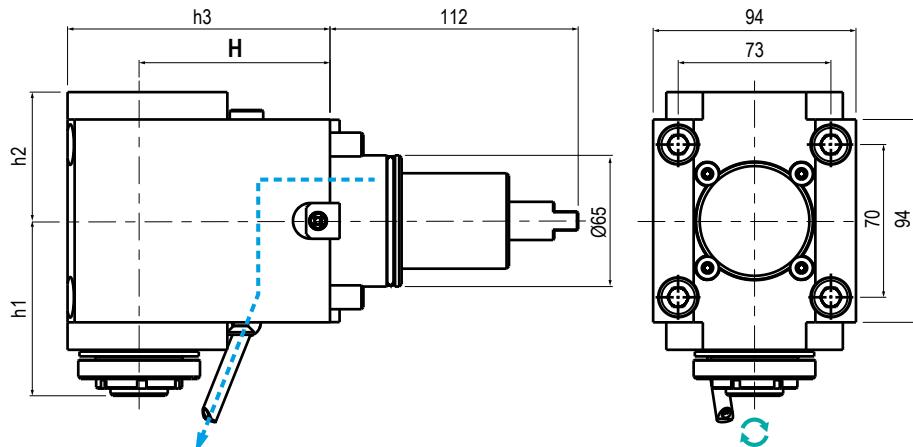
HWACHEON

HYUNDAI WIA

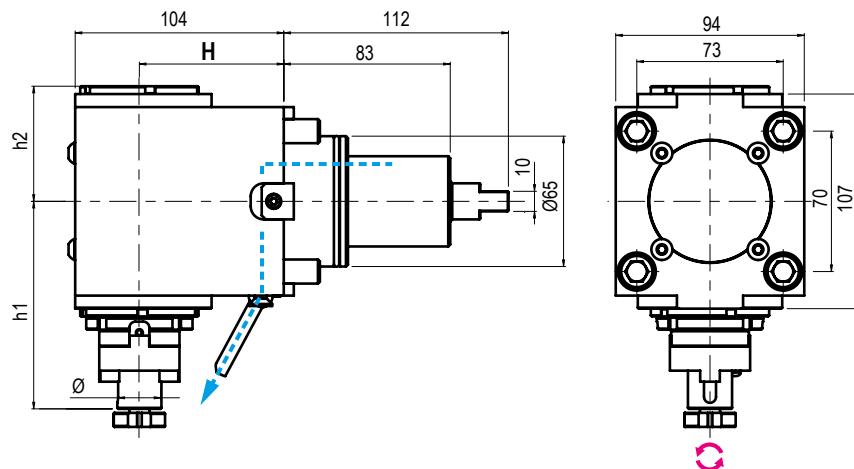
SAMSUNG

VICTOR

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
65


Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.DS.A30	ER-20 EF- Ø1÷13	NO	72	89,9÷93,6	57,4	112	20	24.000	8	

5


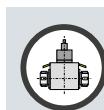
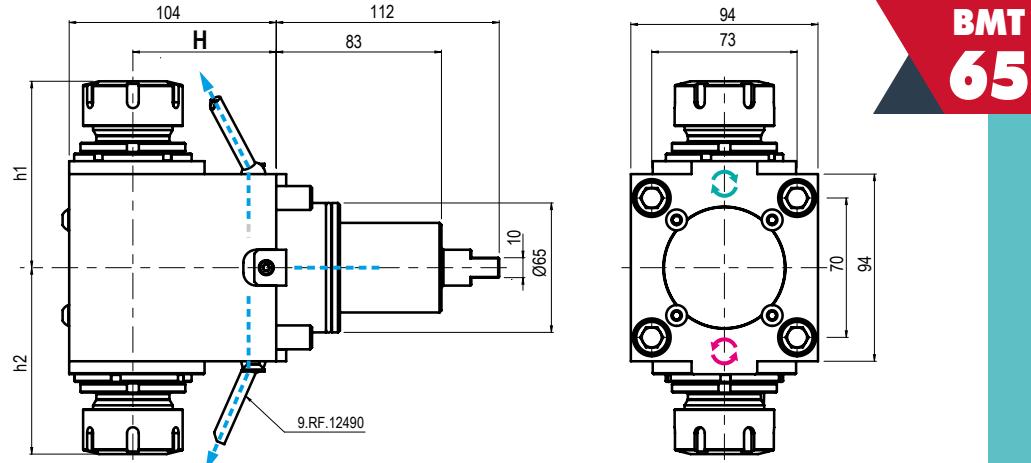
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A62	Ø22	NO	72	103,5	57,4	70	6.000	10	
99.DS.A111	Ø22	NO	100	103,5	57,4	70	6.000	10	

* N.B.: Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

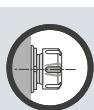
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN GOODWAY HAAS HARDINGE HWACHEON HYUNDAI WIA SAMSUNG VICTOR

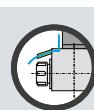
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



TIPO - TYPE

Doppio Radiale
Double Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANTEsterno
External

RATIO

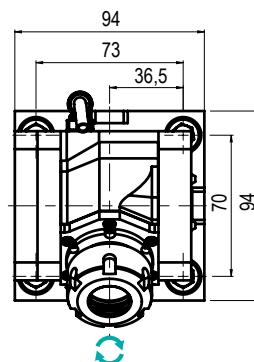
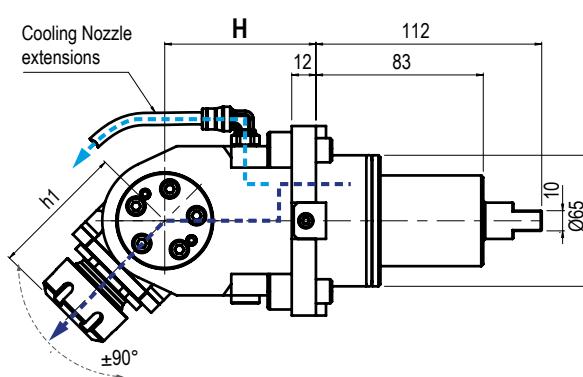
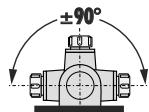
1:1



ROTAZIONE - ROTATION

Uguale / opposto al mandrino
Same / opposite as m. spindle

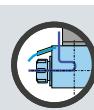
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.DS.A31	ER-32-32 - Ø2÷20	NO	72	93÷93,6	Max 93,6	70	6.000	10	
99.DS.A78	ER-32-32 - Ø2÷20	NO	100	93÷93,6	93÷93,6	70	6.000	10	


5


TIPO - TYPE

Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT

Portapinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

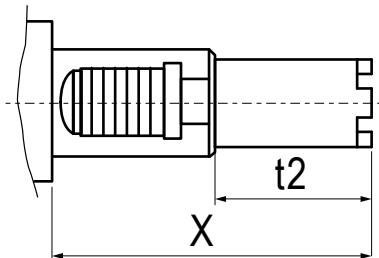
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.DS.A64	ER-25 - Ø1÷16	NO	75	63,5÷67,2	25	6.000	4	
99.DS.A65	ER-25 - Ø1÷16	✓	75	63,5÷67,2	25	6.000	4	

*** N.B.:** Rotazione uguale al mandrino - Rotation same as machine spindle Rotazione opposta al mandrino - Rotation opposite as machine spindle

ACCESSORI HAAS

HAAS ACCESSORIES



Presa di moto intercambiabile per le varie tipologie di torrette HAAS

Interchangeable couplings for the different HAAS turret

Code	t2	X	
99.HA.00001	41,85	104,85	
99.HA.00002	54,55	117,55	
99.HA.00003	67,25	130,25	

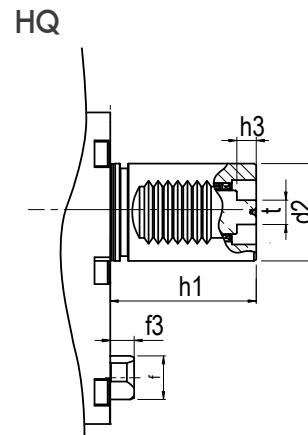
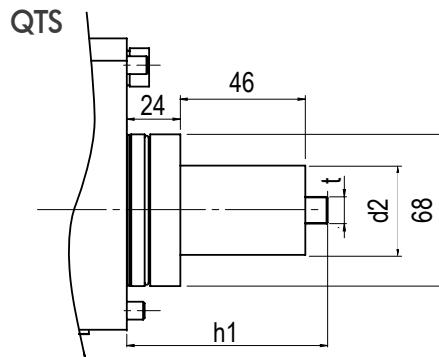
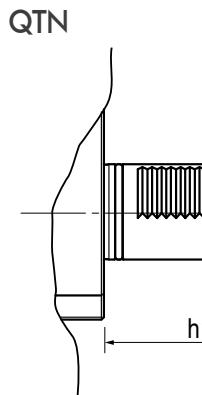
QTN 1/2/3 - QTS 1 - HQ

Mazak



**Uscita - Output
C. ISO26623**

DISPONIBILI SU RICHIESTA
AVAILABLE ON REQUEST



5

Type	d2	h1	h3	f	f	f3
QTN1	Ø40	61	1	10	-	-
QTN2	Ø40	70	8	18	-	-
QTN3	Ø50	75	10	12	-	-
QTS	Ø40	90	-	12	-	-
HQ	Ø40	60	8	10	Ø20	9,8

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / O-ring
Shaft lock wrench / cooling nozzle / nozzle lock screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15

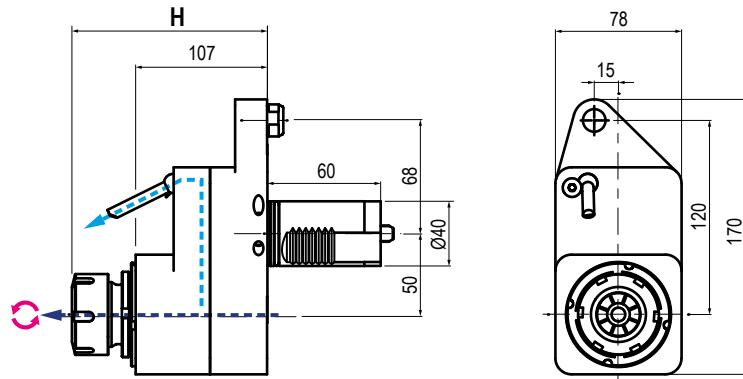
Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QTN 100
SQT10 - 100/150 12 Station Turret

QTN 200/250
SQT15/18 - 200/250 16 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTN
1

TIPO - TYPE
 Disassato
 Offset-Axis

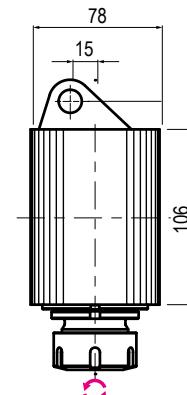
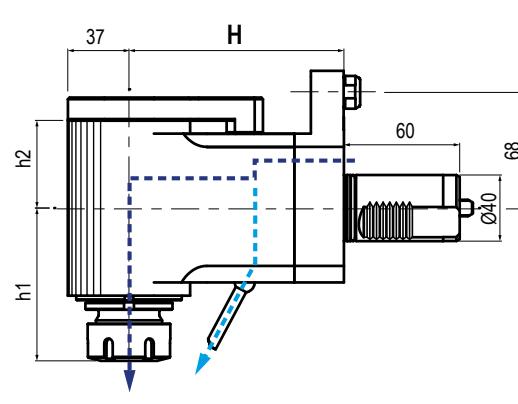
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
 80 bar

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	OEM Ref	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A40	- 53548030200 - 53108020100	ER-25 - Ø1÷16	NO	116,2 ÷ 120	50	6.000	
99.MZ.A41	-	ER-25 - Ø1÷16	✓	116,2 ÷ 120	63	6.000	

5

TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
 80 bar

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

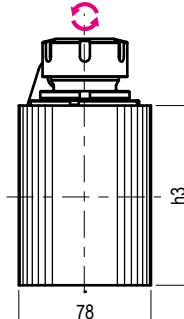
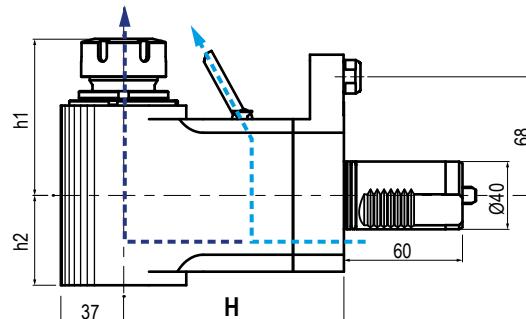
Code	OEM Ref	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A46	- 53248030303 - 535280110102 - 53108020200	ER-25 - Ø1÷16	NO	100	90,1 ÷ 93,8	53	50	6.000	
99.MZ.A47	-	ER-25 - Ø1÷16	✓	100	90,1 ÷ 93,8	53	50	6.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QTN 100
SQT10 - 100/150 12 Station Turret

QTN 200/250
SQT15/18 - 200/250 16 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTN
1

TIPO - TYPE
Radiale Rovesciato
Radial Upside Down

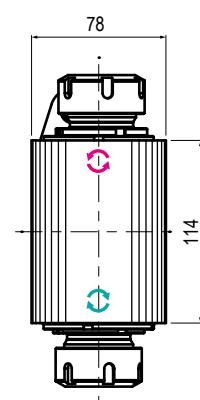
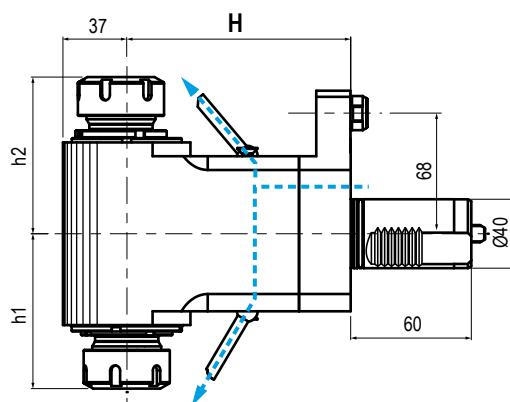
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	OEM Ref	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	
99.MZ.A48	-53548010301	ER-25 - Ø1÷16	NO	100	90,1 ÷ 93,8	53	110	63	6.000	
99.MZ.A49	-	ER-25 - Ø1÷16	✓	100	90,1 ÷ 93,8	53	124	63	6.000	


TIPO - TYPE
Radiale Doppio
Double Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

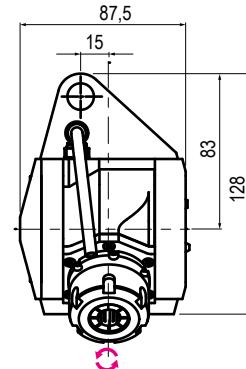
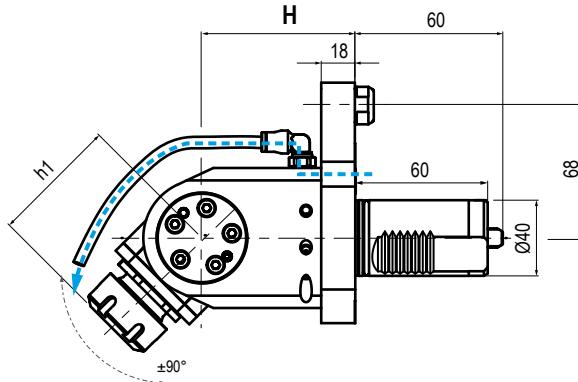
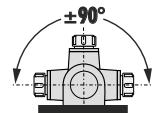
Code	OEM Ref	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A55	-	ER-25-25 - Ø1÷16	NO	100	90,1 ÷ 93,8	90,1 ÷ 93,8	63	6.000	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QTN 100
 SQT10 - 100/150 **12 Station Turret**

QTN 200/250
 SQT15/18 - 200/250 **16 Station Turret**

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTN
1

TIPO - TYPE
 Orientabile ±90°
 ±90° Adjustable

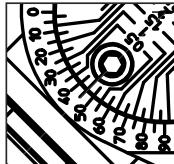
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

**REFRIGERANTE
COOLANT**
 Esterno
 External

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	OEM Ref.	Output	Int Cool.	H	h1	Nm	Rpm	
99.MZ.A56	-	ER-20 - Ø1÷13	NO	85	Max 67,5	63	6.000	



DETTAGLIO - DETAIL

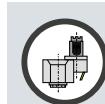
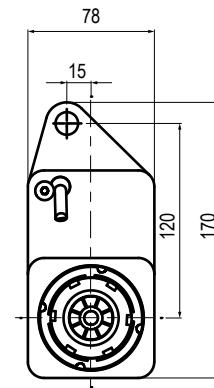
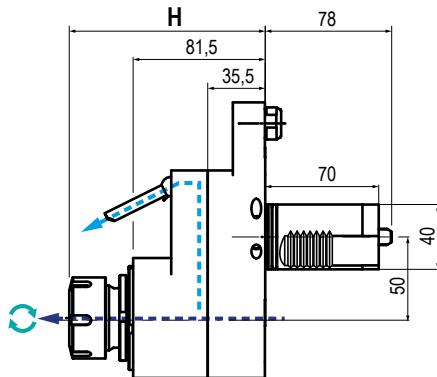
 Regolazione angolare decimale in manuale
 Manual decimal angular adjustment

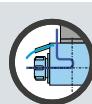
5

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QTN 200/250
SQT 15/18 - 200/250 **12 Station Turret**

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

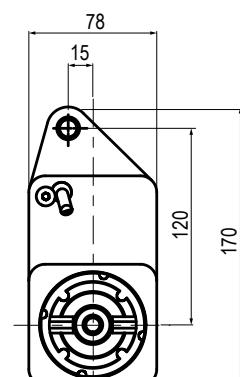
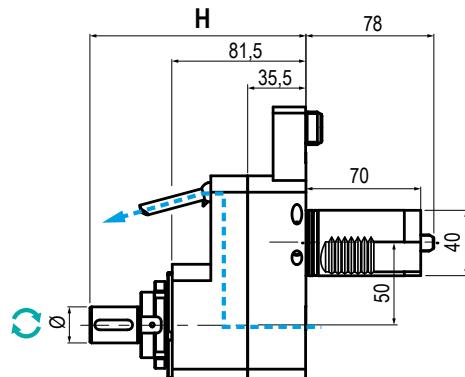
**QTN
2**

TIPO - TYPE
Disassato
Offset-Axis

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	OEM Ref.	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A58	-53208020102	ER32 - Ø2÷20	NO	116,2÷120	80	6.000	
99.MZ.A59	-	ER32 - Ø2÷20	✓	116,2÷120	80	6.000	


TIPO - TYPE
Disassato
Offset-Axis

USCITA - OUTPUT
Porta Fresa
Shell End Milling Cutter

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

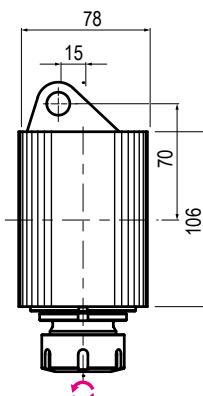
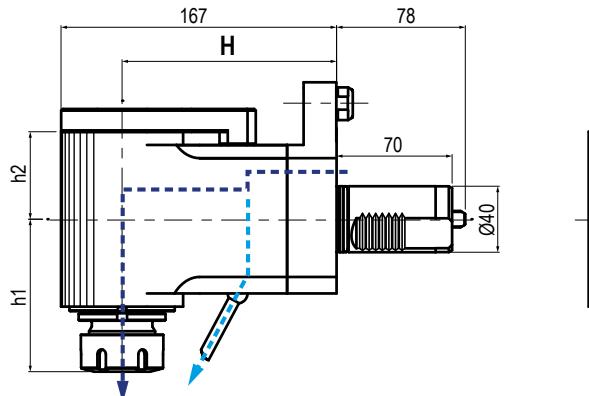
Code	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A69	Ø22	NO	132	80	6.000	

* N.B.: Motorizzati QTN 2, per torni QTN 200/250, SOLO su torretta a 12 stazioni - QTN 2 Driven tools, for QTN 200/250 lathes ONLY on 12 station turret

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

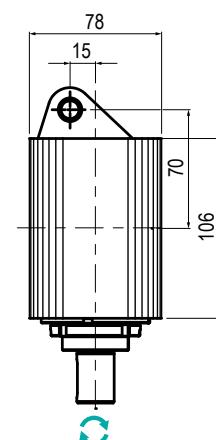
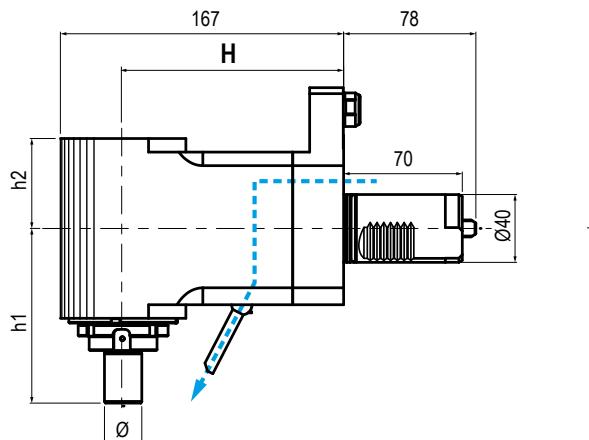
QTN 200/250
SQT 15/18 - 200/250 **12 Station Turret**

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTN
2


	TIPO - TYPE Radiale Radial		USCITA - OUTPUT Porta Pinza Collet Chuck		REFRIGERANTE COOLANT 100 bar		RATIO 1:1		ROTAZIONE - ROTATION Opposto al mandrino Opposite to machine spindle
--	----------------------------------	--	--	--	------------------------------------	--	--------------	--	--

Code	OEM Ref.	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A65	-53628010701 -53208020202	ER32 - Ø2÷20	NO	130	90,1÷93,8	53	80	6.000	
99.MZ.A66	-	ER32 - Ø2÷20	✓	130	90,1÷93,8	53	80	6.000	

5


	TIPO - TYPE Radiale Radial		USCITA - OUTPUT Porta Fresa Shell End Milling Cutter		REFRIGERANTE COOLANT Esterno External		RATIO 1:1		ROTAZIONE - ROTATION Uguale al mandrino Same as machine spindle
--	----------------------------------	--	--	--	--	--	--------------	--	---

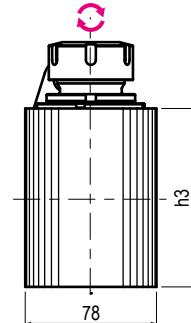
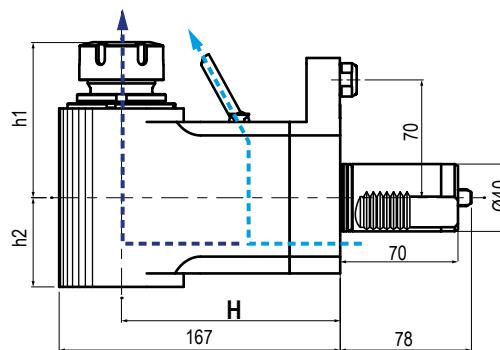
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A62	Ø22	NO	130	103	53	80	6.000	

*** N.B:** Motorizzati QTN 2, per torni QTN 200/250, SOLO su torretta a 12 stazioni - QTN 2 Driven tools, for QTN 200/250 lathes ONLY on 12 station turret

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QTN 200/250
SQT 15/18 - 200/250 12 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**QTN
2**

TIPO - TYPE
Radiale Rovesciato
Radial Upside Down

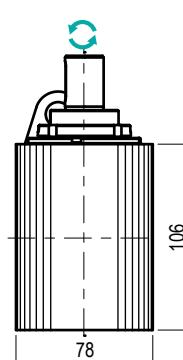
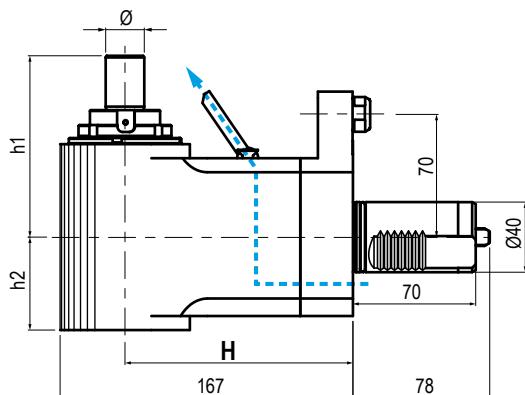
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	
99.MZ.A67	ER-32- Ø2÷20	NO	130	90,1÷93,8	53	110	80	6.000	
99.MZ.A68	ER-32- Ø2÷20	✓	130	90,1÷93,8	53	124	80	6.000	


TIPO - TYPE
Radiale Rovesciato
Radial Upside Down

USCITA - OUTPUT
Porta Fresa
Shell End Milling Cutter

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

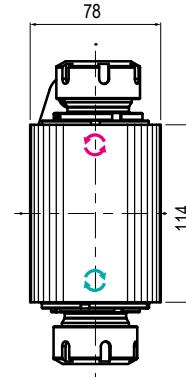
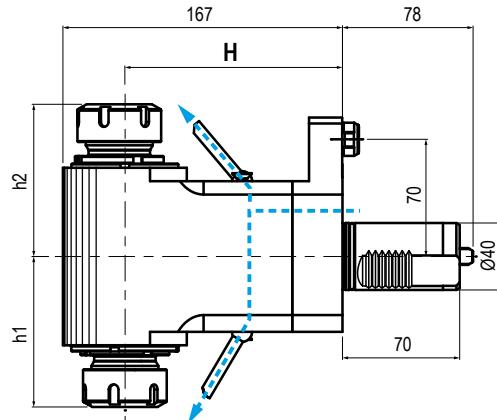
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A63	Ø22	NO	130	53	103	80	6.000	

* N.B.: Motorizzati QTN 2, per torni QTN 200/250, SOLO su torretta a 12 stazioni - QTN 2 Driven tools, for QTN 200/250 lathes ONLY on 12 station turret

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QTN 200/250
SQT 15/18 - 200/250 12 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**QTN
2**

TIPO - TYPE
 Radiale Doppio
 Double Radial

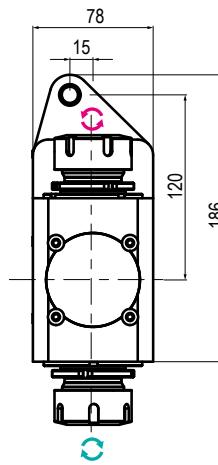
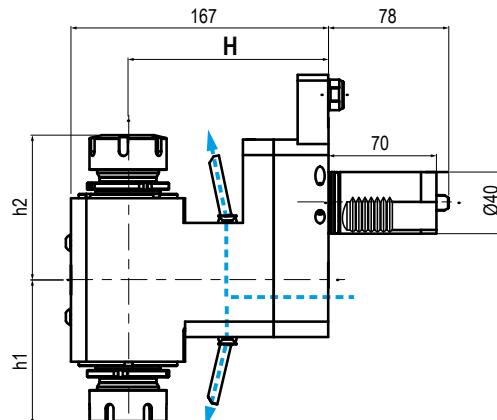
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE COOLANT
 Esterno
 External

RATIO
 1:1

ROTAZIONE - ROTATION
 Uguale ed opposto al mandrino
 Same and opposite as m. spindle

Code	OEM Ref.	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A73	-53208011600 -53628011000	ER-32-32 - Ø2÷20	NO	130	90,1÷93,8	90,1÷93,8	80	6.000	

5

TIPO - TYPE
 Doppio Arretato
 Double Rear Offset

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE COOLANT
 Esterno
 External

RATIO
 1:1

ROTAZIONE - ROTATION
 Uguale ed opposto al mandrino
 Same and opposite as m. spindle

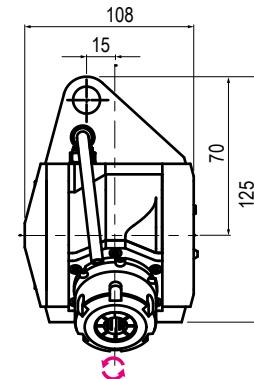
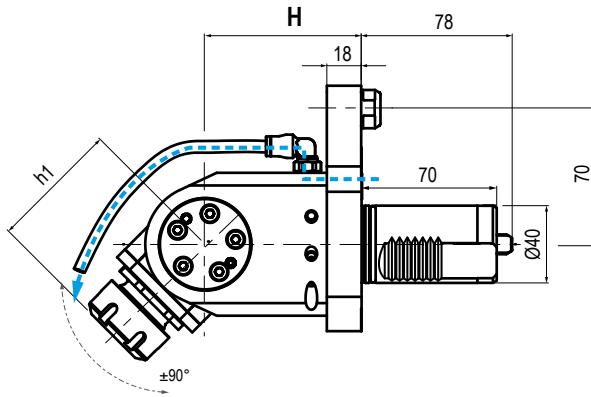
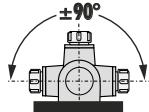
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A70	ER-32-32 - Ø2÷20	NO	130	90,1÷93,8	90,1÷93,8	80	6.000	

* N.B.: Motorizzati QTN 2, per torni QTN 200/250, SOLO su torretta a 12 stazioni - QTN 2 Driven tools, for QTN 200/250 lathes ONLY on 12 station turret

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QTN 200/250
SQT 15/18 - 200/250 **12 Station Turret**

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**QTN
2**


TIPO - TYPE

Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT

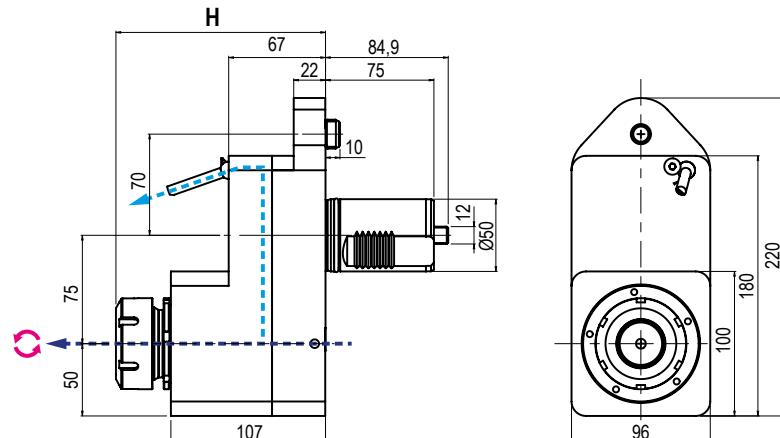
Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT
80 barRATIO
1:1ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A74	ER-25 - Ø1÷16	NO	85	80	6.000	
99.MZ.A64	ER-25 - Ø1÷16	✓	85	80	6.000	

MODELLO DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QTN 300 / 350 / 400 / 450 - SQT 28/30 - 300

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**QTN
3**

TIPO - TYPE
 Disassato
 Offset-Axis

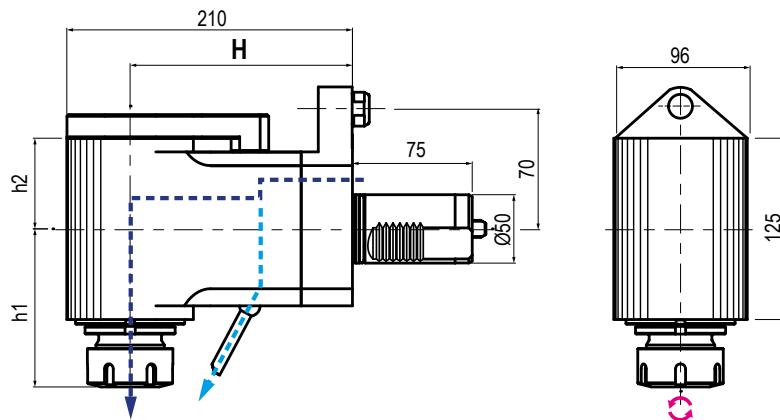
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
 80 bar

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	OEM Ref.	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A71	-	ER-40 - Ø3÷30	NO	145	100	4.000	
99.MZ.A72	-	ER-40 - Ø3÷30	✓	145	100	4.000	
99.MZ.A76	-53308020604 -53828002002	ISO-40	NO	92,5	100	4.000	
99.MZ.A79	-	ISO-40	✓	125	100	4.000	

5

TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
 80 bar

RATIO
 1:1

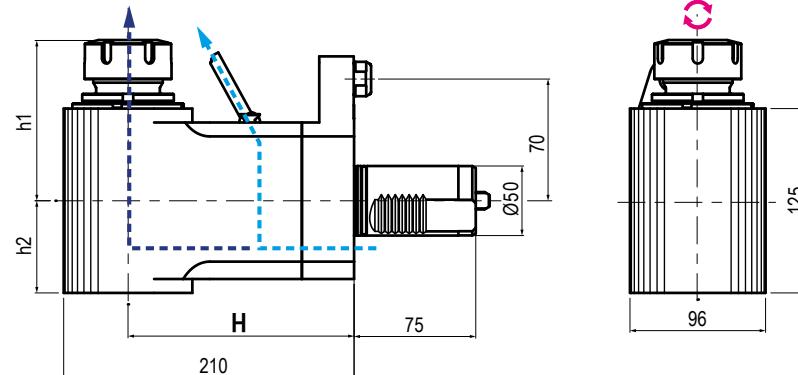
ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	OEM Ref.	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A75	-	ER-40 - Ø3÷30	NO	160	-	86	100	4.000	
99.MZ.A81	-	ER-40 - Ø3÷30	✓	160	-	115	100	4.000	
99.MZ.A77	-53308020101	ISO-40	NO	160	73	86	100	4.000	
99.MZ.A78	-	ISO-40	✓	160	73	115	100	4.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

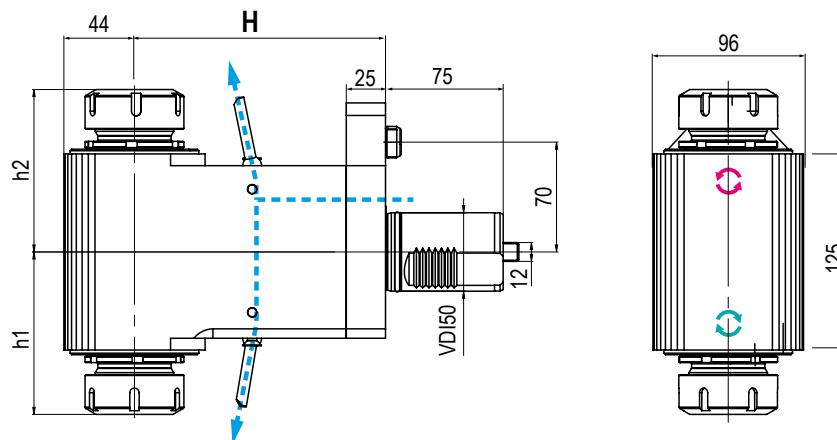
QTN 300 / 350 / 400 / 450 - SQT 28/30 - 300

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


**QTN
3**

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
 Radiale Rovesciato Radial Upside Down	 Porta Pinza Collet Chuck	 80 bar	 1:1	 Opposto al mandrino Opposite to machine spindle

Code	OEM Ref.	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.MZ.A82	-	ER-40 - Ø3÷30	NO	160	-	86	100	4.000	


5

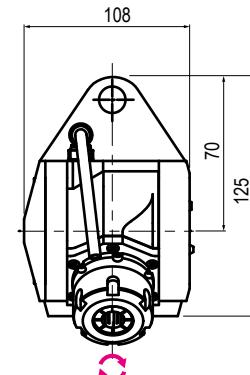
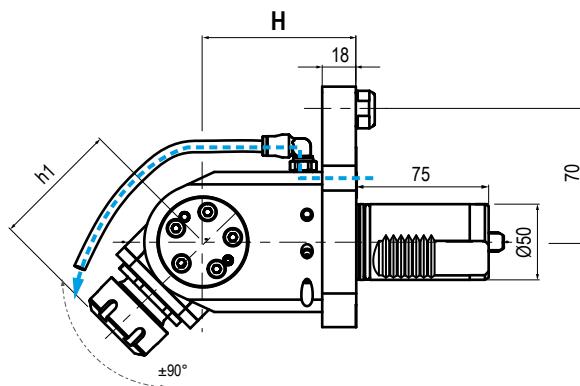
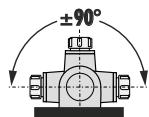
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
 Radiale Doppio Double Radial	 Porta Pinza Collet Chuck	 Esterno External	 1:1	 Uguale ed opposto al mandrino Same and opposite as m. spindle

Cod.	OEM Ref.	Output	Int Cool.	H	Nm	Rpm	
99.MZ.A84	-	ER-40-40 - Ø3÷30	NO	160	100	4.000	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QTN 300 / 350 / 400 / 450 - SQT 28/30 - 300

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**QTN
3**

TIPO - TYPE
 Orientabile ±90°
 ±90° Adjustable

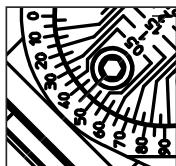
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

**REFRIGERANTE
COOLANT**
 Esterno
 External

RATIO
 1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	OEM Ref.	Output	Int Cool.	H	h1	Nm	Rpm	
99.MZ.A80	-	ER-32 - Ø2÷20	NO	85	67,5	100	4.000	


DETtaglio - DETAIL
Regolazione angolare decimale in manuale
 Manual decimal angular adjustment

5

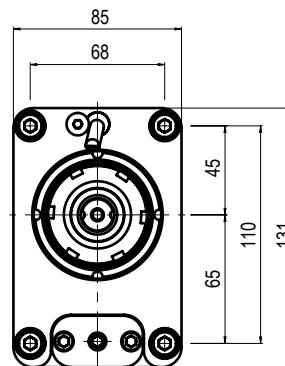
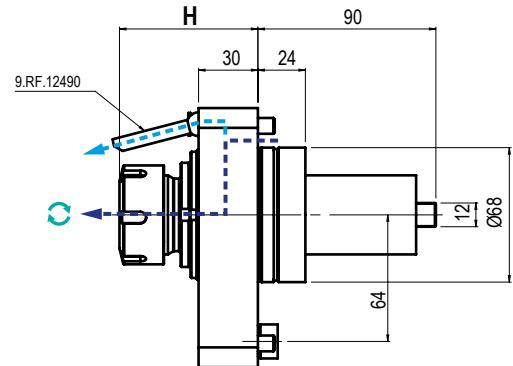
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QT / QTS 100 / 250M
MY / MS / MSY

QT 200 / 250 M
MY / MS / MSY

QTC / QTU 100 - 350M
MY / MS / MSY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTS
1


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

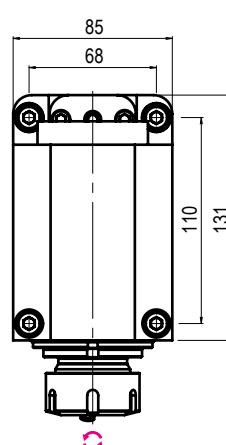
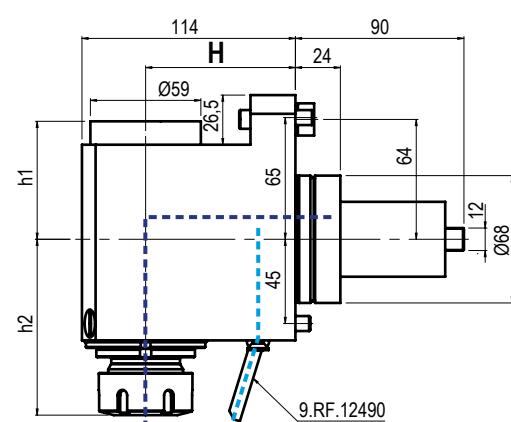
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MZ.A03	ER-32 - Ø2÷20	NO	70	60	6.000	10	
99.MZ.A06	ER-32 - Ø2÷20	✓	70	60	6.000	10	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

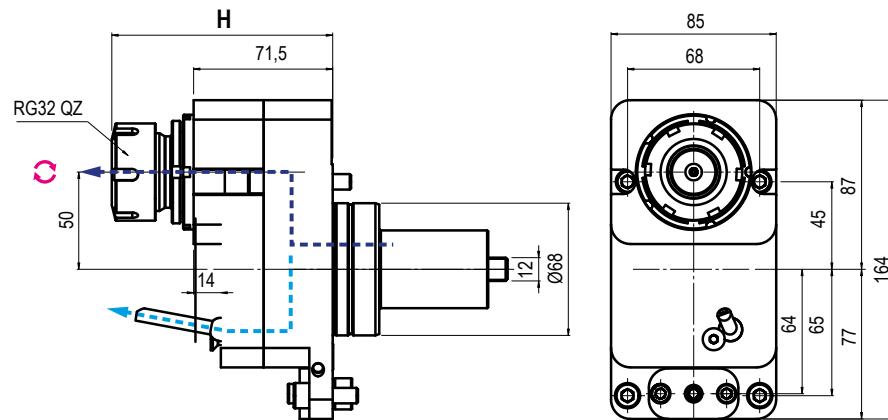
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MZ.A09	ER-32 - Ø2÷20	NO	80	93,9	50,5	60	6.000	10	
99.MZ.A10	ER-32 - Ø2÷20	✓	80	93,9	63	60	6.000	10	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

QT / QTS 100 / 250M
MY / MS / MSY
QT 200 / 250 M
MY / MS / MSY
QTC / QTU 100 - 350M
MY / MS / MSY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

QTS
1


TIPO - TYPE

Disassato
Offset-Axis

USCITA - OUTPUT

Porta Pinza
Collet Chuck

REFRIGERANTE

COOLANT
80 bar

RATIO

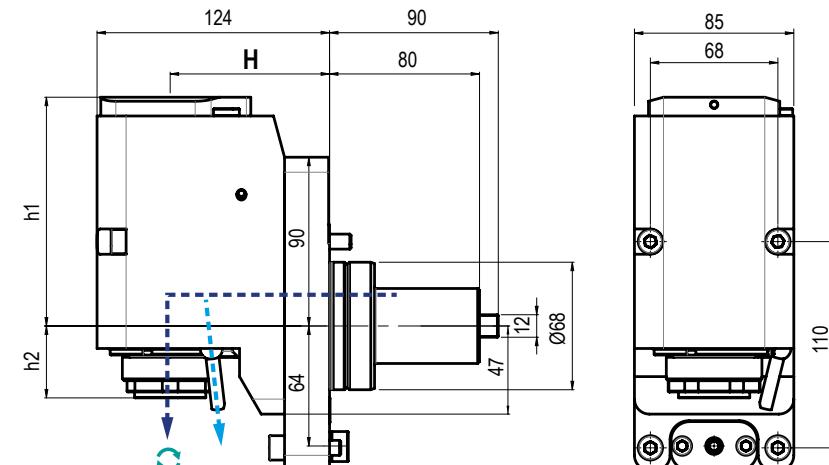
1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MZ.A04	ER-32 - Ø2÷20	NO	MAX 113,5	60	6.000	10	
99.MZ.A05	ER-32 - Ø2÷20	✓	MAX 113,5	60	6.000	10	

5


TIPO - TYPE

Arretrato
Rear Offset

USCITA - OUTPUT

Porta Pinza
Collet Chuck

REFRIGERANTE

COOLANT
80 bar

RATIO

1:1



ROTAZIONE - ROTATION

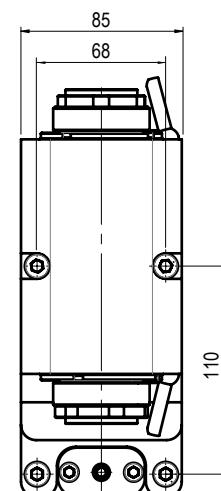
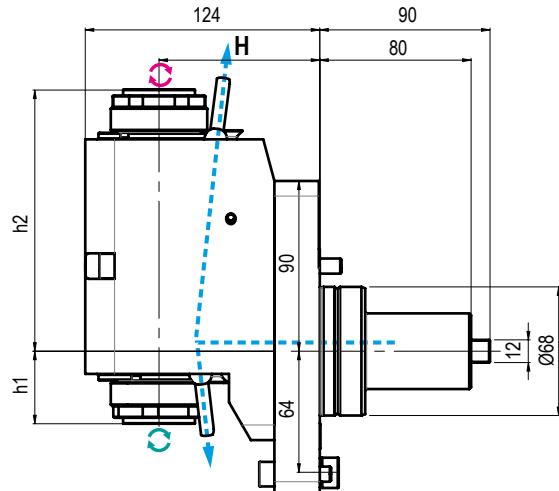
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MZ.A17	ER-32 - Ø2÷20	NO	85	122	Max 38,4	60	6.000	10	
99.MZ.A18	ER-32 - Ø2÷20	✓	85	122	Max 38,4	60	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

QT / QTS 100 / 250M
MY / MS / MSY
QT 200 / 250 M
MY / MS / MSY
QTC / QTU 100 - 350M
MY / MS / MSY

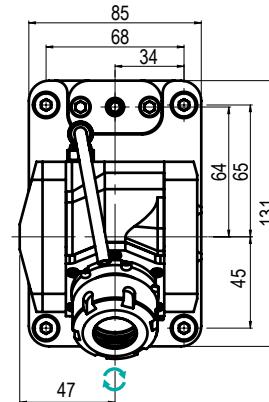
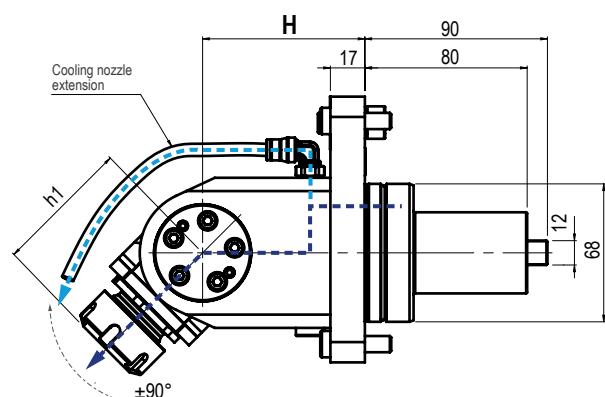
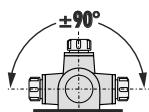
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



TIPO - TYPE

Arretro doppio
Rear double OffsetUSCITA - OUTPUT
Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MZ.A13	ER-32 - Ø2÷20	NO	85	MAX 138,1	Max 38,4	60	6.000	10	

TIPO - TYPE
Orientabile ±90°
±90° AdjustableUSCITA - OUTPUT
Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT
80 barRATIO
1:1ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MZ.A14	ER-25 - Ø1÷16	NO	80	67,2	30	6.000	4	
99.MZ.A15	ER-25 - Ø1÷16	✓	80	67,2	30	6.000	4	

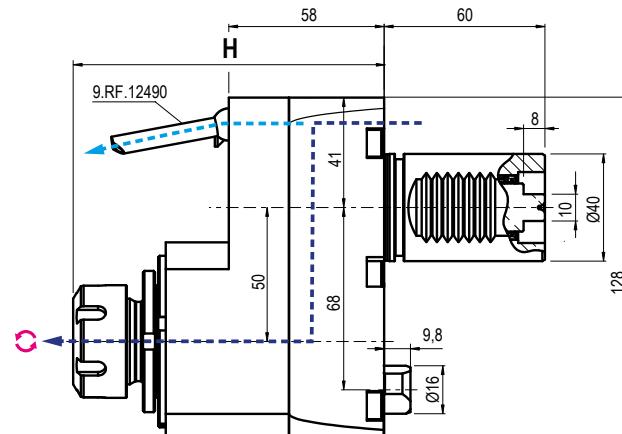
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES



HQ 150MY / 200MSY
MULTIPLEX 610 / 620 / 625 / 6200 / 6250 16 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

HQ



TIPO - TYPE
Disassato
Offset-Axis



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
80 bar



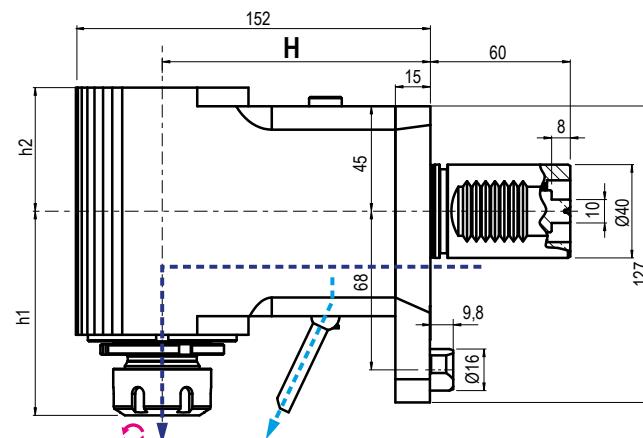
RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MZ.A30	ER-25 - Ø1÷16	NO	Max 116	50	6.000	8	
99.MZ.A31	ER-25 - Ø1÷16	✓	Max 116	50	6.000	8	

5



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
80 bar



RATIO
1:1



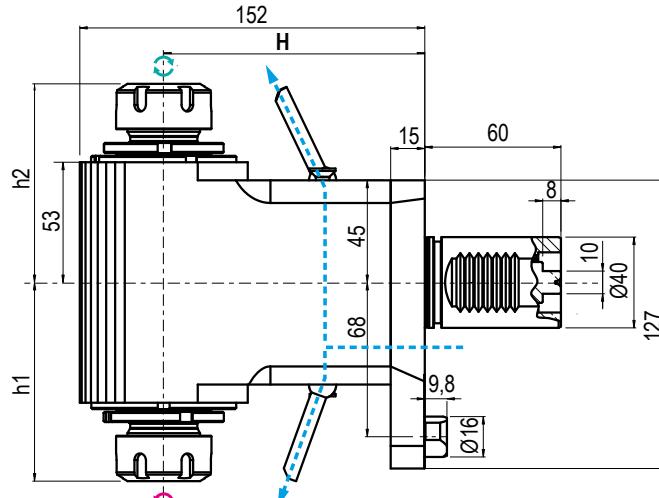
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MZ.A36	ER-25 - Ø1÷16	NO	115	87,5	53	50	6.000	8	
99.MZ.A37	ER-25 - Ø1÷16	✓	115	87,5	53	50	6.000	8	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HQ 150MY / 200MSY
MULTIPLEX 610 / 620 / 625 / 6200 / 6250 16 Station Turret

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


TIPO - TYPE
Radiale Doppio
Double Radial

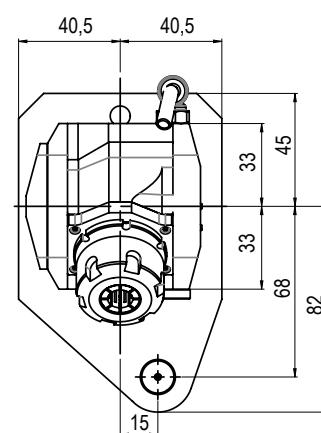
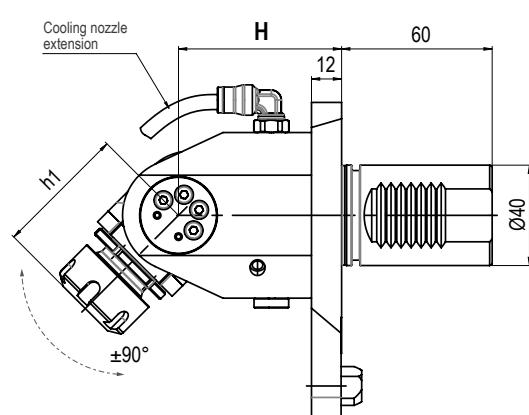
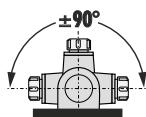
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MZ.A35	ER-25-25 - Ø1÷16	NO	115	Max 87,5	Max 87,5	50	6.000	8	


TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MZ.A38	ER-20 - Ø1÷13	NO	65	67,2	15	6.000	3	

NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

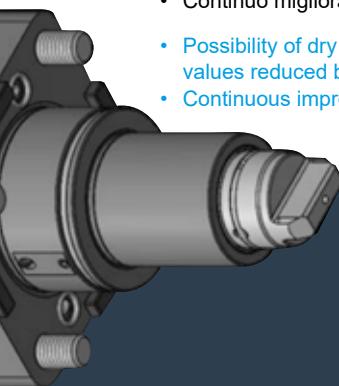
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

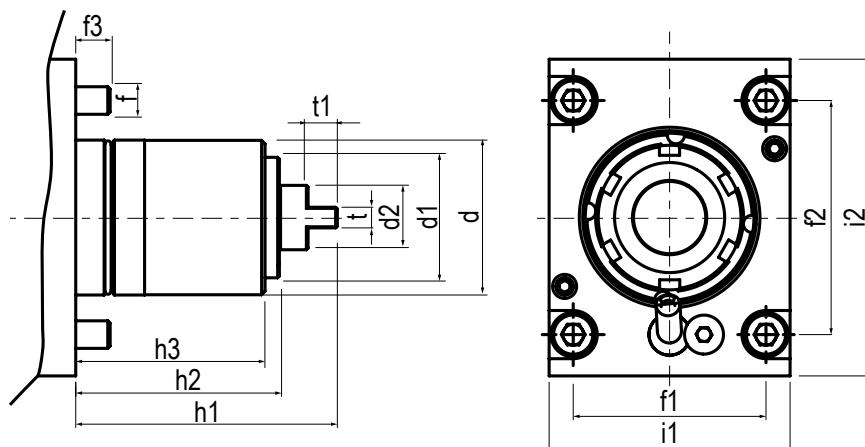
- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.



Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!

Ø38 / Ø45 / Ø54

Miyano



Type	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1
Ø38	38	-	-	M6	52	56	7	37	-	30	78	78	6	7
Ø45	45	35	19	M8	56	68	10	76	59	55	92	70	12	8,5
Ø54	54	-	24	M8	75	60	10	72	50	40	90	100	8	12

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
Tool shaft lock wrench / cooling nozzle / nozzle lock screws / Driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7.15
MODULAR QUICK CHANGE See page 7.12 - 7.15

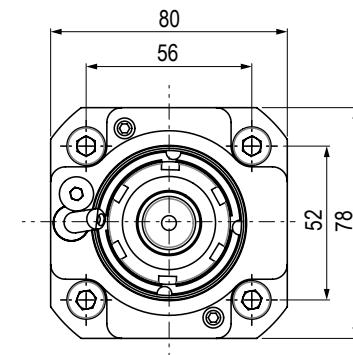
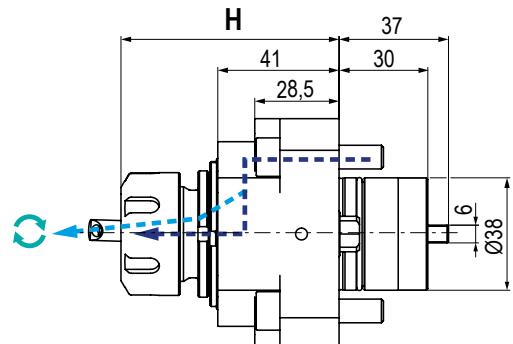
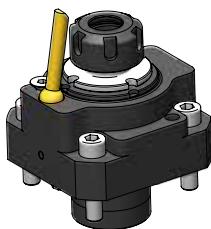
Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

Ø38

TIPO - TYPE
Assiale
Axial

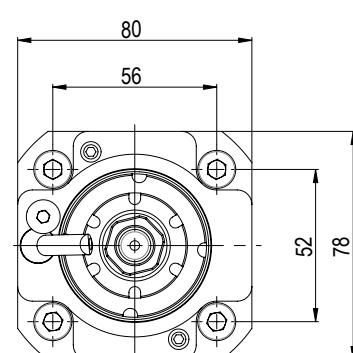
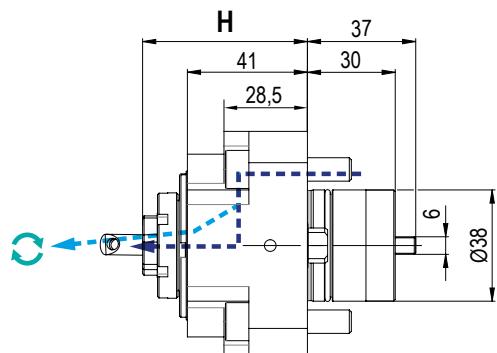
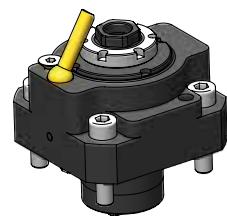
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A21	ER-25 Ø1-16	NO	Max 73,7	20	6.000	6	
99.MY.A22	ER-25 Ø1-16	✓	Max 73,7	20	6.000	6	
99.MY.A41	ER-20 Ø1-13	NO	Max 71,2	20	6.000	6	
99.MY.A42	ER-20 Ø1-13	✓	Max 71,2	20	6.000	6	

5

TIPO - TYPE
Assiale
Axial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

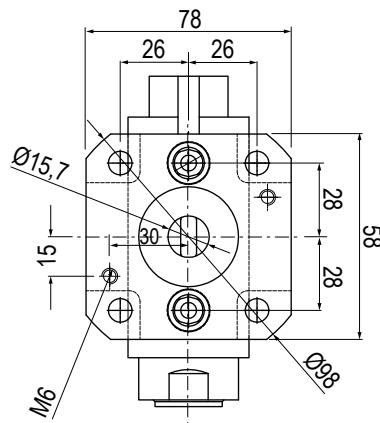
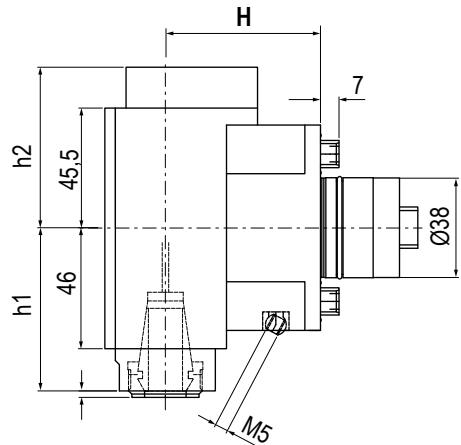
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A35	ER-16 Ø1-10 (ES)	NO	Max 56,3	20	6.000	6	6.000	1,8	
99.MY.A40	ER-16 Ø1-13 (ES)	✓	Max 56,3	20	6.000	6	6.000	1,8	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

MIYANO

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

Ø38


TIPO - TYPE


 Radiale
Radial


USCITA - OUTPUT

 Porta Pinza
Collet Chuck

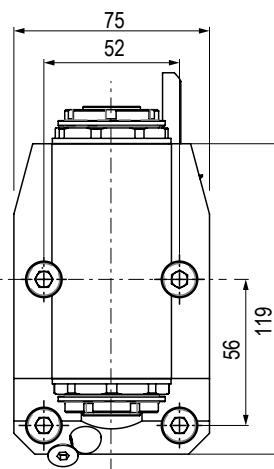
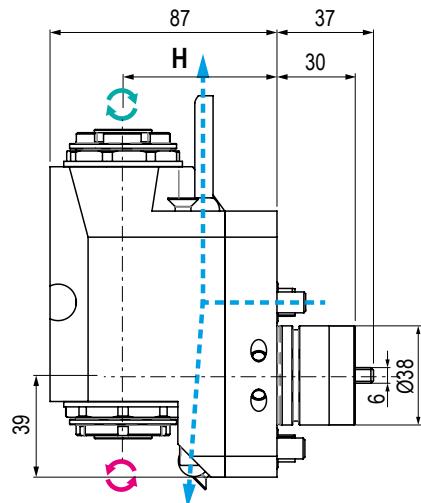

REFRIGERANTE

 COOLANT
70 bar

 RATIO
1:1

 ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A33	ER-20 Ø1-13	NO	59	62	61	16	6.000	1,8	
99.MY.A34	ER-20 Ø1-13	✓	59	62	61	16	6.000	1,8	



TIPO - TYPE


 Arretato Doppio
Double Rear Offset

 USCITA - OUTPUT
Porta Pinza
Collet Chuck

 REFRIGERANTE
COOLANT
Esterno
External

 RATIO
1:1

 ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A38	ER-16	NO	59	16	6.000	10	
99.MY.A39	ER-20	NO	59	16	6.000	10	

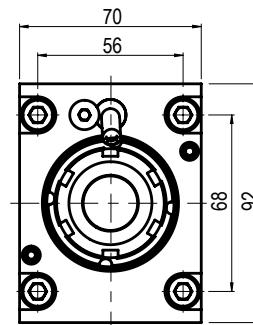
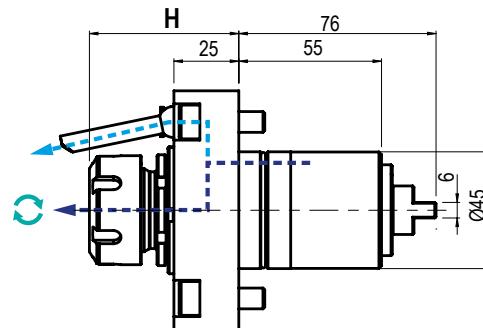
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

045



TIPO - TYPE
Assiale
Axial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
80 bar



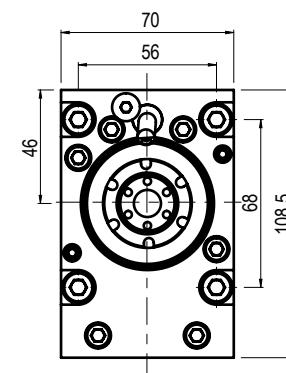
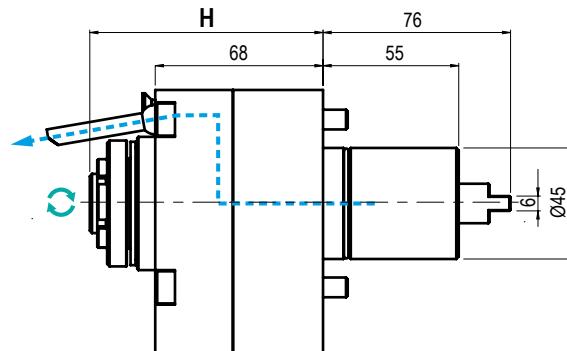
RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A02	ER-25 - Ø1÷16	NO	53,9÷57,6	35	6.000	6	
99.MY.A03	ER-25 - Ø1÷16	✓	53,9÷57,6	35	6.000	6	
99.MY.A15	ER-32 - Ø2÷20	NO	60,6÷64,3	35	6.000	6	
99.MY.A16	ER-32 - Ø2÷20	✓	60,6÷64,3	35	6.000	6	

5



TIPO - TYPE
Assiale
Axial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:4



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

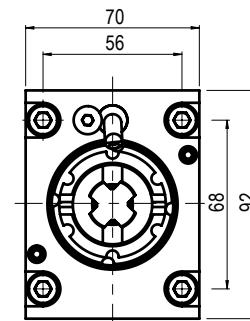
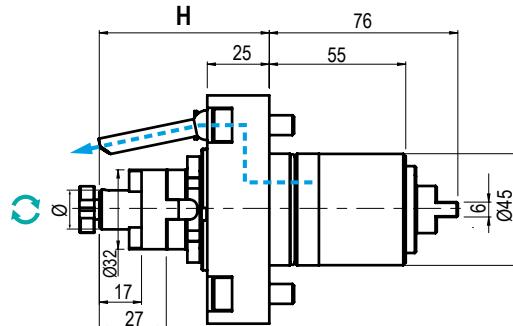
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A01	ER-16 -EF - Ø1÷10	NO	90,8÷94,5	6	24.000	3	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

Ø45

TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANTEsterno
External

RATIO

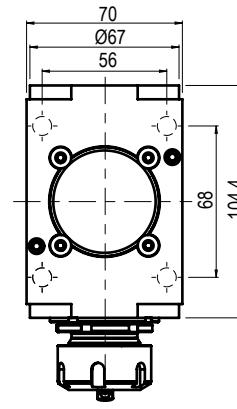
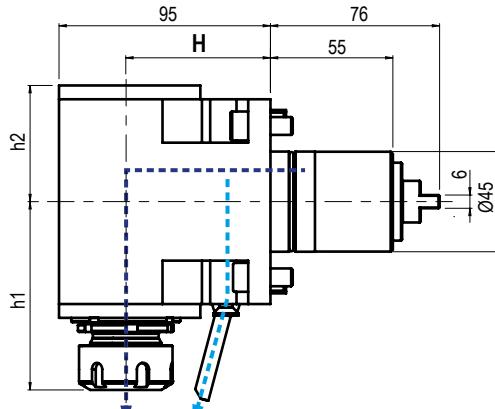
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A14	Ø 16	NO	68,5	35	6.000	6	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A05	ER-25 - Ø1÷16	NO	65	Max 84,6	52,2	35	6.000	6	
99.MY.A06	ER-25 - Ø1÷16	✓	65	Max 84,6	52,2	35	6.000	6	

5

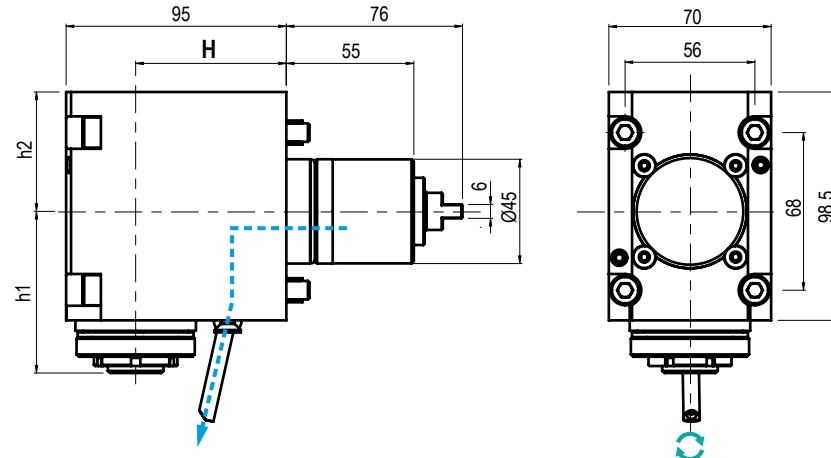
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

045



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



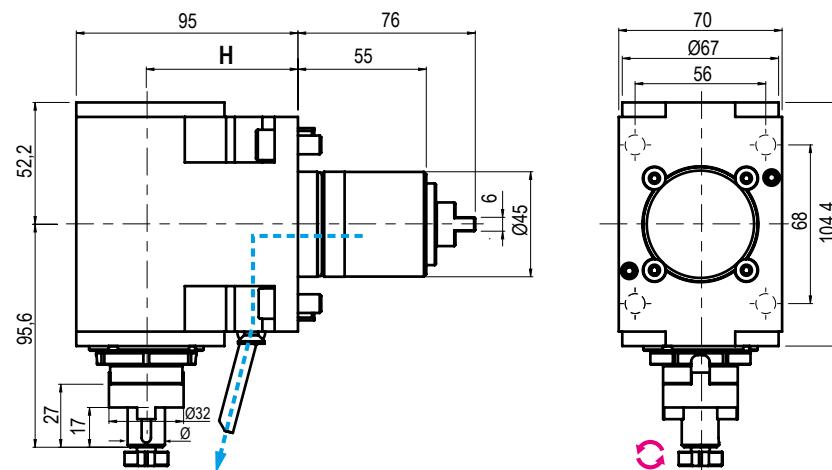
RATIO
1:4



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A04	ER-16 - EF - Ø1÷10	NO	65	69,7	51,5	6	24.000	3	

5



TIPO - TYPE
Radiale
Radial



USCITA - OUTPUT
Porta Fresa
Shell End Milling Cutter



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

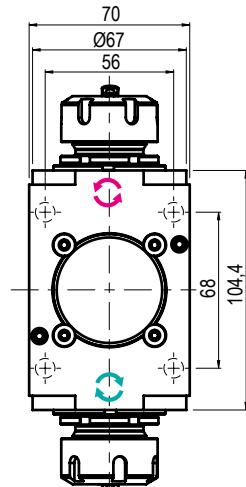
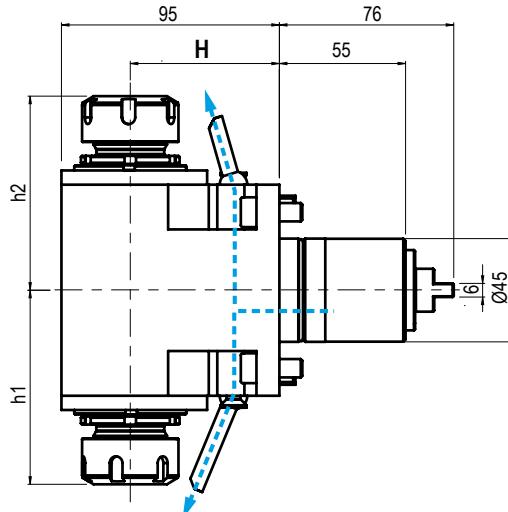
Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A17	Ø 16	NO	65	35	6.000	6	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

GOODWAY

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**Ø45**
TIPO - TYPE
Doppio Radiale
Double Radial

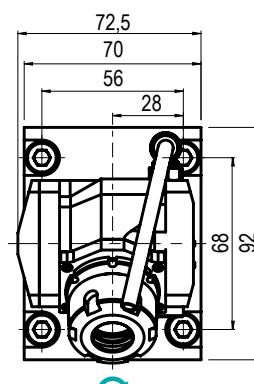
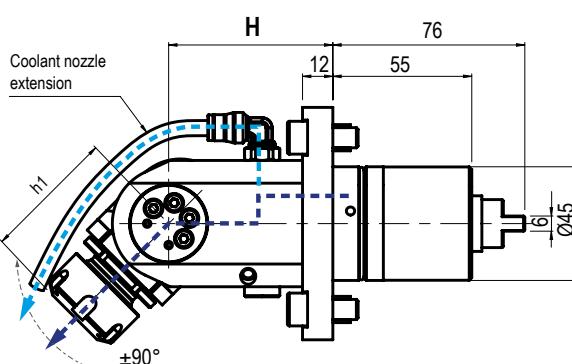
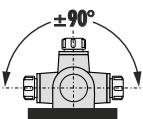
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A07	ER-25-25 - Ø1÷16	NO	65	84,6	84,6	35	6.000	6	

**5**
TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Portapinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

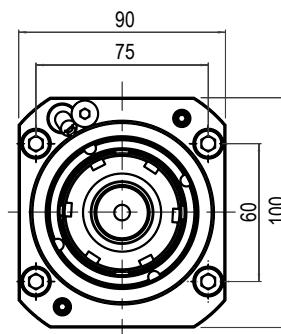
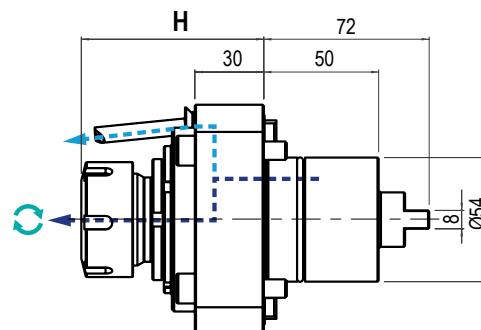
Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MY.A08	ER-20 - Ø1÷13	NO	65	Max 52,5	15	6.000	3	
99.MY.A13	ER-20 - Ø1÷13	✓	65	Max 52,5	15	6.000	3	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

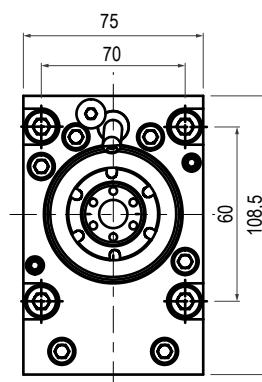
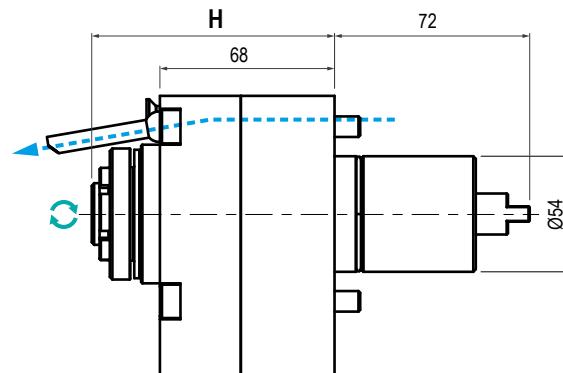
CMZ

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

Ø54

TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				80 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MY.A24	ER-25 - Ø1÷16	NO	73,5÷77,2	60	6.000	10
99.MY.A25	ER-25 - Ø1÷16	✓	73,5÷77,2	60	6.000	10
99.MY.A09	ER-32 - Ø2÷20	NO	75,7÷79,4	60	6.000	10
99.MY.A10	ER-32 - Ø2÷20	✓	75,7÷79,4	60	6.000	10

5

TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Portapinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Esterno External	1:4	Uguale al mandrino Same as machine spindle

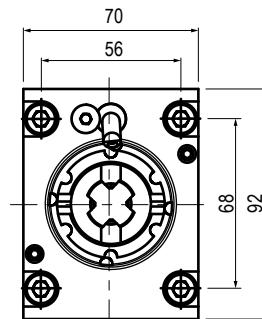
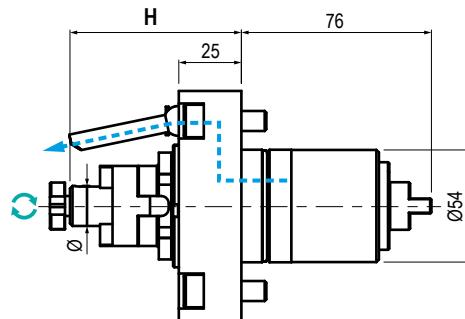
Code	Output	Int Cool.	H	Nm	Rpm	kw
99.MY.A26	ER-16 - Ø1÷10	NO	90,8÷94,5	6	24.000	3

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

CMZ

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

Ø54

TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Fresa
Shell End Milling CutterREFRIGERANTE
COOLANTEsterno
External

RATIO

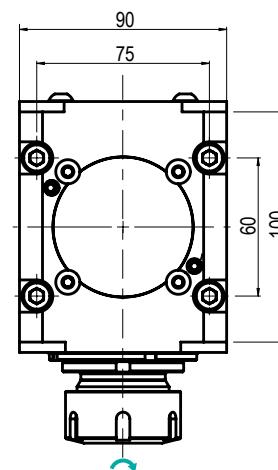
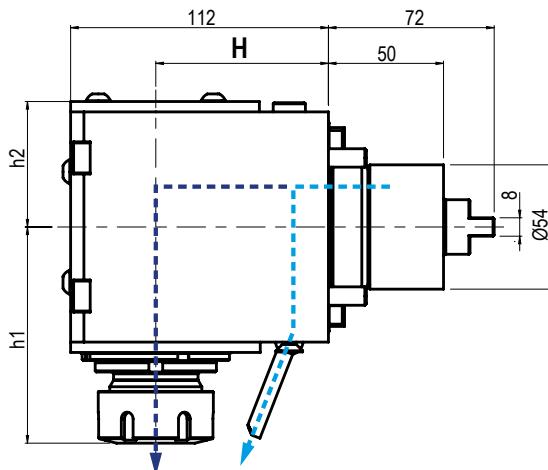
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.MY.A27	Ø22	NO	100	60	6.000	10	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Portapinza
Collet ChuckREFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A28	ER-25 - Ø1÷16	NO	75	87,3÷91	54,5	60	6.000	10	
99.MY.A29	ER-25 - Ø1÷16	✓	75	87,3÷91	64,5	60	6.000	10	
99.MY.A11	ER-32 - Ø2÷20	NO	75	90,3÷94	54,5	60	6.000	10	
99.MY.A12	ER-32 - Ø2÷20	✓	75	90,3÷94	64,5	60	6.000	10	

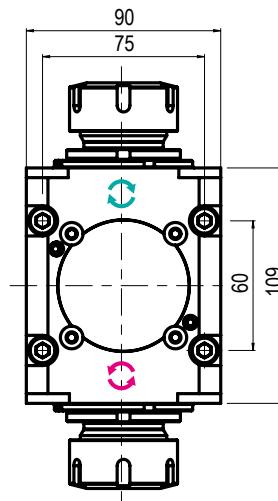
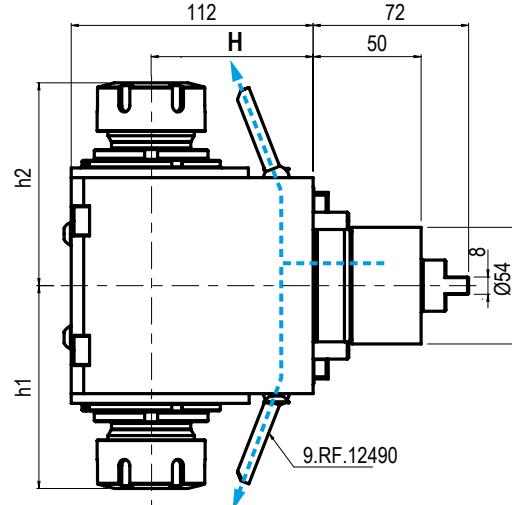
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MIYANO

CMZ

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

054



TIPO - TYPE
Doppio Radiale
Double Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External

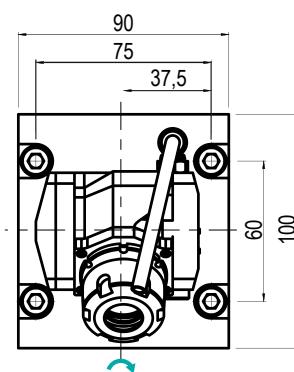
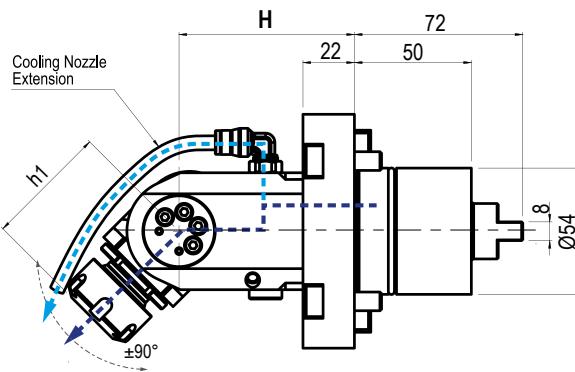


RATIO
1:1



ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.MY.A18	ER-32-32 - Ø2÷20	NO	75	93,9	93,9	60	6.000	10	



TIPO - TYPE
Orientabile ±90°
±90° Adjustable



USCITA - OUTPUT
Portapinza
Collet Chuck



REFRIGERANTE
COOLANT
80 bar



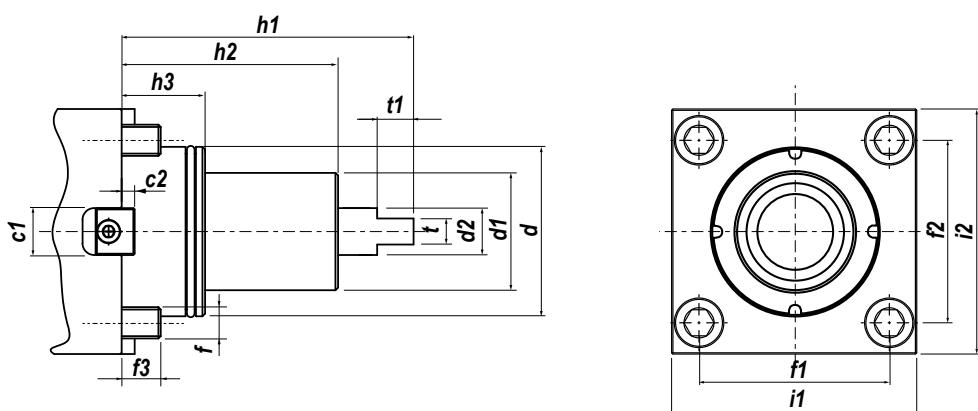
RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.MY.A19	ER-20 - Ø1÷13	NO	75	Max 52,2	15	6.000	3	
99.MY.A20	ER-20 - Ø1÷13	✓	75	Max 52,2	15	6.000	3	

BMT 44 - BMT 55 - BMT 65



Type	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1
BMT44	20	5,5	44	40	15	M8	40	55	12-15	91	63	28	62	79,5	8	12
BMT55	20	5,5	55	50	17	M10	50	60	12-15	108	70	29,5	79	84	8	10
BMT65	20	5,5	65	-	-	-	69	71	12-15	115,5	-	31	92	100	10	-

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring

Tool shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15

MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

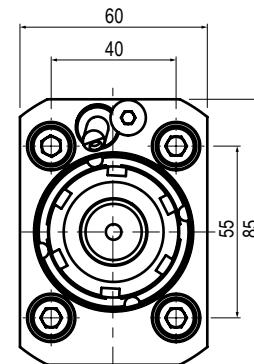
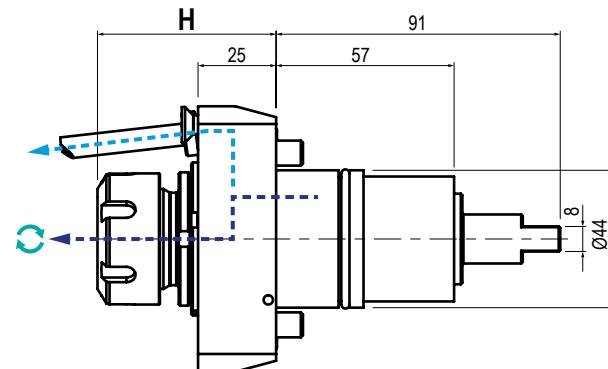
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

NAKAMURA

MURATEC

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
44


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

70 bar



RATIO

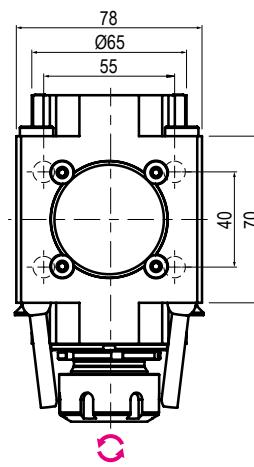
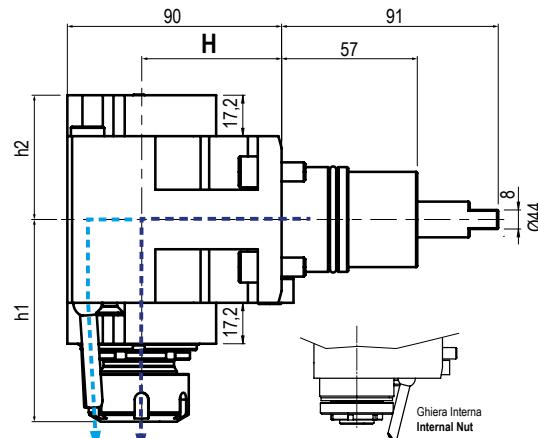
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw
99.NK.A40	ER-25 - Ø1÷16	NO	Max 57,2	40	6.000	6
99.NK.A43	ER-25 - Ø1÷16	✓	Max 57,2	40	6.000	6

5


TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

70 bar



RATIO

1:1
1:4

ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

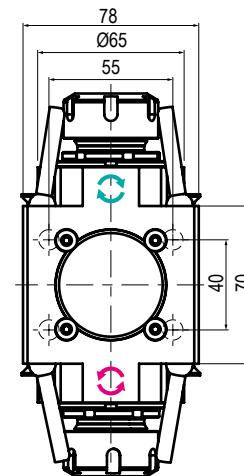
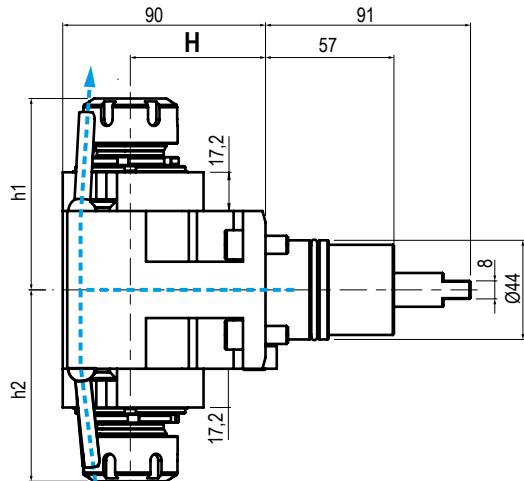
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw
99.NK.A50	ER-25 - Ø1÷16	NO	60	Max 84,9	52,2	40	6.000	6
99.NK.A53	ER-25 - Ø1÷16	✓	60	Max 84,9	52,2	40	6.000	6
99.NK.A30	ER-25 - Ø1÷16	NO	75	Max 84,9	52,2	40	6.000	6
99.NK.A33	ER-25 - Ø1÷16	✓	75	Max 84,9	52,2	40	6.000	6
99.NK.A36	ER-16 (Int) Ø1÷16	NO	60	Max 69,7	52,5	6	32.000	3

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

MURATEC

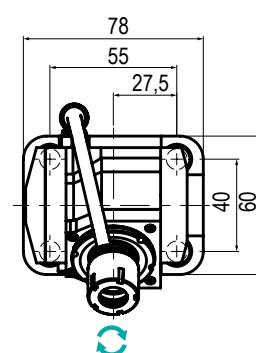
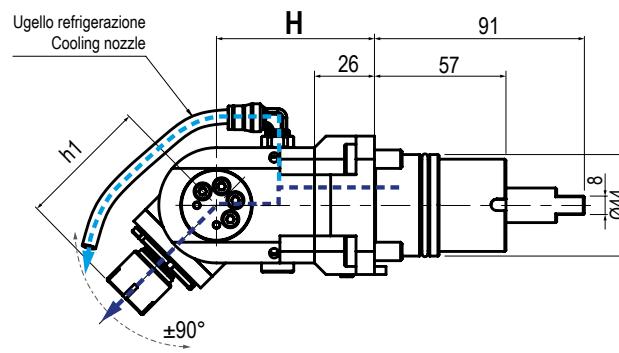
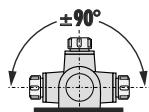
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
44

TIPO - TYPE
Radiale Doppio
Double Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE COOLANT
Esterno
External
**RATIO**
1:1
ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.NK.A70	ER-25-25 - Ø1÷16	NO	60	Max 84,9	Max 84,9	40	6.000	6	
99.NK.A80	ER-25-25 - Ø1÷16	NO	75	Max 84,9	Max 84,9	40	6.000	6	


TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE COOLANT
70 bar
**RATIO**
1:1
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.NK.A59	ER-16 - Ø1÷10	NO	68,5	Max 56,5	10	6.000	2	
99.NK.A69	ER-16 - Ø1÷10	✓	68,5	Max 56,5	10	6.000	2	

5

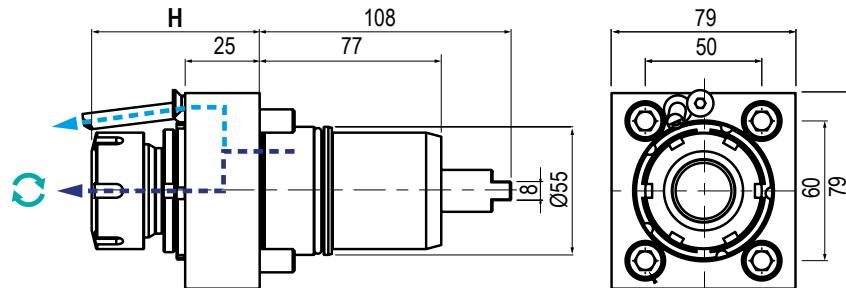
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

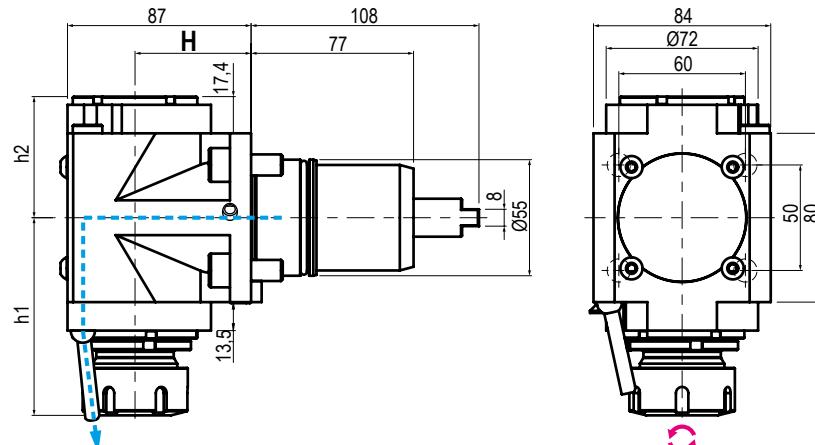
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	70 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.NK.A01	ER-25 - Ø1÷16	NO	53,5÷57,2	63	6.000	10	
99.NK.A02	ER-25 - Ø1÷16	✓	53,5÷57,2	63	6.000	10	
99.NK.A03	ER-32 - Ø2÷20	NO	68,5÷72,2	63	6.000	10	
99.NK.A04	ER-32 - Ø2÷20	✓	68,5÷72,2	63	6.000	10	



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chuck	Esterno External	1:1	Opposto al mandrino Opposite to machine spindle

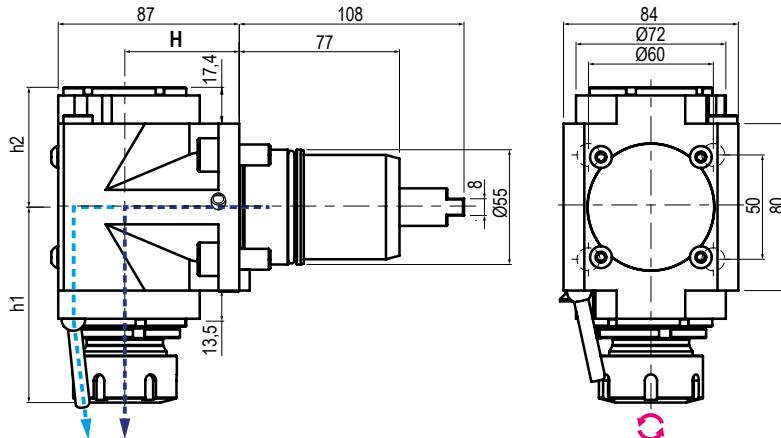
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.NK.A20	ER-25 - Ø1÷16	NO	55	82,5÷86,2	57,4	63	6.000	10	
99.NK.A13	ER-32 - Ø2÷20	NO	55	90÷93,7	57,4	63	6.000	10	
99.NK.A05	ER-25 - Ø1÷16	NO	65	82,5÷86,2	57,4	63	6.000	10	
99.NK.A23	ER-32 - Ø2÷20	NO	65	90÷93,7	57,4	63	6.000	10	
99.NK.A07	ER-25 - Ø1÷16	NO	75	82,5÷86,2	57,4	63	6.000	10	
99.NK.A15	ER-32 - Ø2÷20	NO	75	90÷93,7	57,4	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


TIPO - TYPE
Radiale
Radial

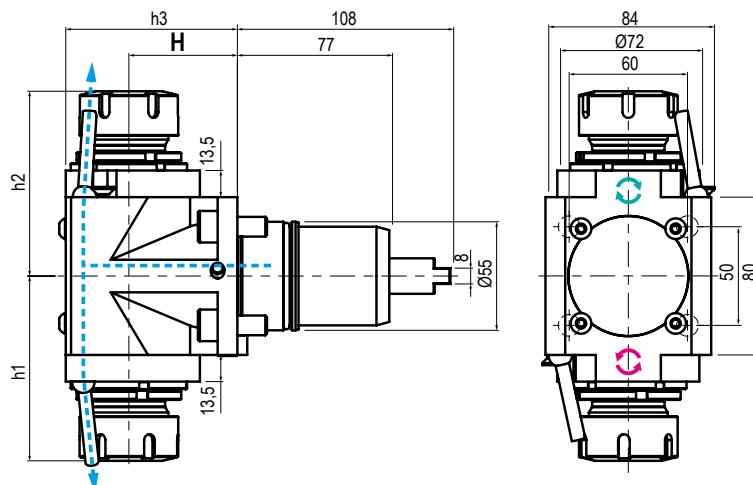
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.NK.A25	ER-25 - Ø1÷16	✓	55	82,5÷86,2	63,4	63	6.000	10	
99.NK.A14	ER-32 - Ø2÷20	✓	55	90÷93,7	63,4	63	6.000	10	
99.NK.A06	ER-25 - Ø1÷16	✓	65	82,5÷86,2	63,4	63	6.000	10	
99.NK.A24	ER-32 - Ø2÷20	✓	65	90÷93,7	63,4	63	6.000	10	
99.NK.A08	ER-25 - Ø1÷16	✓	75	82,5÷86,2	63,4	63	6.000	10	
99.NK.A16	ER-32 - Ø2÷20	✓	75	90÷93,7	63,4	63	6.000	10	


TIPO - TYPE
Radiale Doppio
Double Radial

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
Esterno
External

RATIO
1:1

ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	kw	
99.NK.A09	ER-25 - Ø1÷16	NO	55	82,5÷86,2	82,5÷86,2	87	63	6.000	10	
99.NK.A71	ER-32 - Ø2÷20	NO	55	90÷93,7	90÷93,7	87	63	6.000	10	
99.NK.A10	ER-25 - Ø1÷16	NO	65	82,5÷86,2	82,5÷86,2	97	63	6.000	10	
99.NK.A81	ER-32 - Ø2÷20	NO	65	90÷93,7	90÷93,7	97	63	6.000	10	
99.NK.A11	ER-25 - Ø1÷16	NO	75	82,5÷86,2	82,5÷86,2	107	63	6.000	10	
99.NK.A91	ER-32 - Ø2÷20	NO	75	90÷93,7	90÷93,7	107	63	6.000	10	

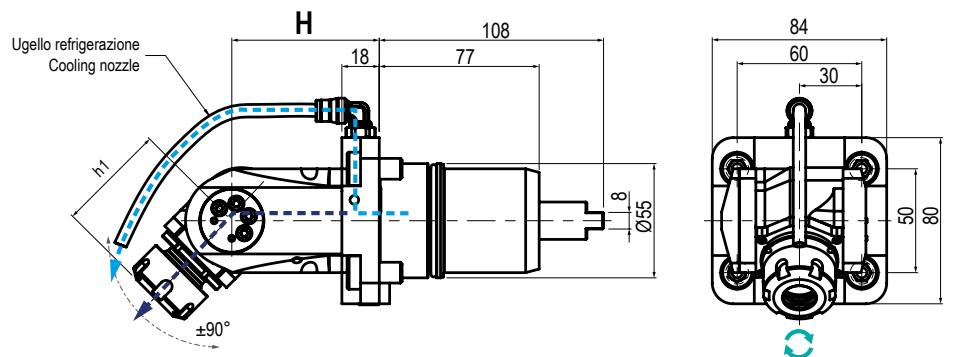
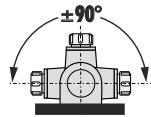
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
55



TIPO - TYPE
Orientabile ±90°
±90° Adjustable



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
70 bar



RATIO
1:1



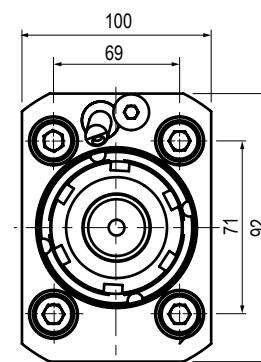
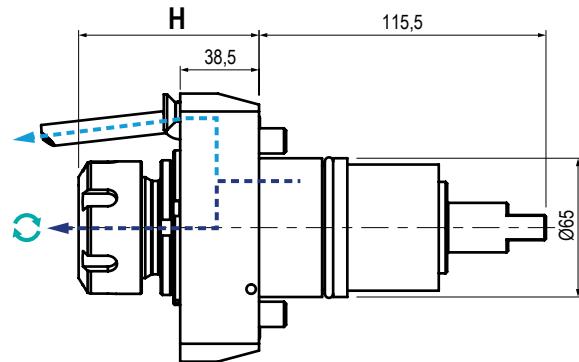
ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.NK.A22	ER-20 - Ø1÷13	NO	71	Max 52,5	15	6.000	3	
99.NK.A32	ER-20 - Ø1÷13	✓	71	Max 52,5	15	6.000	3	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

NAKAMURA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
65**


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

70 bar



RATIO

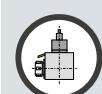
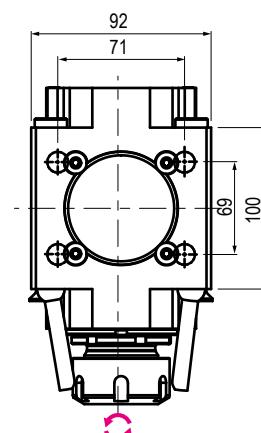
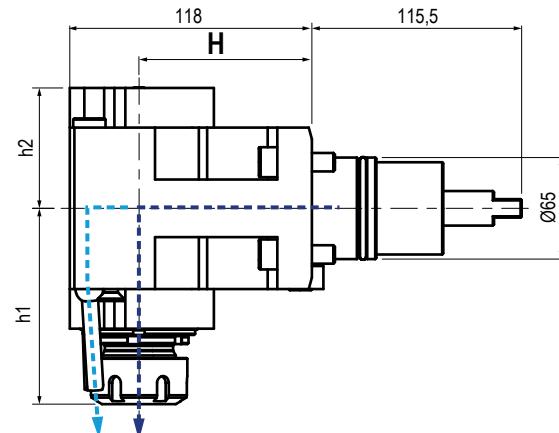
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.NK.A51	ER-32 - Ø2÷20	NO	Max 77,9	63	6.000	10	
99.NK.A52	ER-32 - Ø2÷20	✓	Max 77,9	63	6.000	10	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet ChuckREFRIGERANTE
COOLANT

70 bar



RATIO

1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

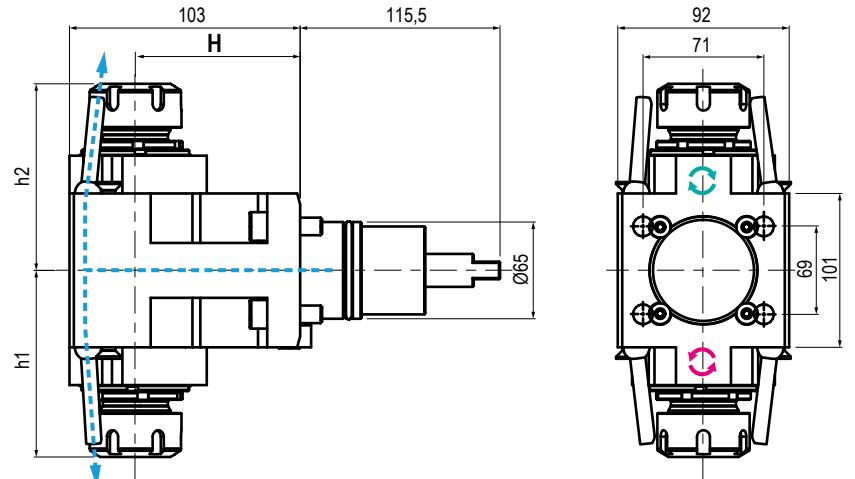
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.NK.A58	ER-32 - Ø2÷20	NO	65	90,2÷93,9	64,5	63	6.000	10	
99.NK.A62	ER-32 - Ø2÷20	✓	65	90,2÷93,9	64,5	63	6.000	10	
99.NK.A12	ER-32 - Ø2÷20	NO	80	90,2÷93,9	64,5	63	6.000	10	
99.NK.A17	ER-32 - Ø2÷20	✓	80	90,2÷93,9	64,5	63	6.000	10	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
65



TIPO - TYPE
Radiale Doppio
Double Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External

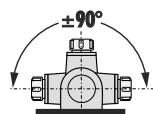


RATIO
1:1

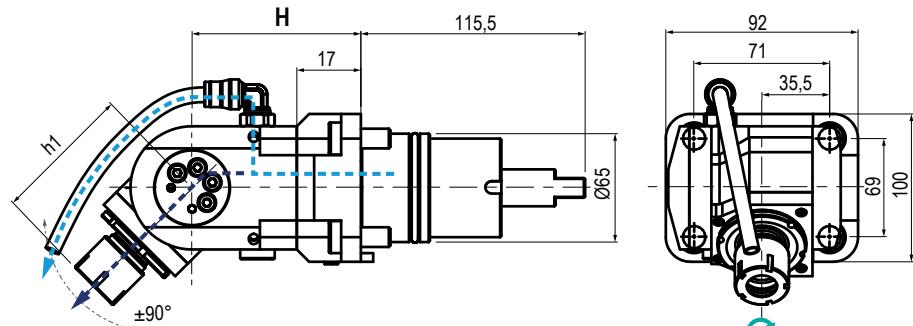


ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.NK.A78	ER-32-32 - Ø2÷20	NO	65	90,2÷93,9	90,2÷93,9	63	6.000	10	



5



TIPO - TYPE
Orientabile ±90°
±90° Adjustable



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
70 bar



RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	kw	
99.NK.A82	ER-25 - Ø1÷16	NO	80	63,5÷67,2	25	6.000	4	
99.NK.A19	ER-25 - Ø1÷16	✓	80	63,5÷67,2	25	6.000	4	

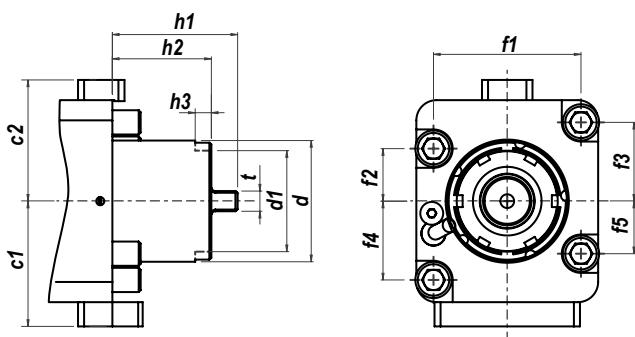
VDI 30 - VDI 40 - BMT 55 / 60



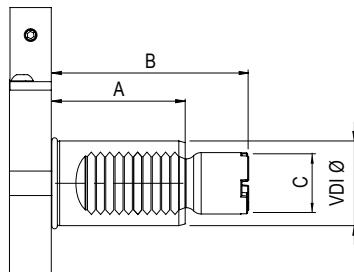

**Uscita - Output
C. ISO26623**

DISPONIBILI SU RICHIESTA
AVAILABLE ON REQUEST

BMT



VDI



5

Type	c1	c2	d	d1	f1	f2	f3	f4	f5	h1	h2	h3	t
BMT55	-	-	Ø55	-	65	40	40	40	40	102	64	-	10
BMT60	62	60	Ø60	50	73	26	39	39	26	62	49	8	10

Type	A	B	C
VDI 30	55	69	Ø29
VDI 40	63	93	Ø29

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio / vite bloccaggio motorizzato / O-ring

Tool shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15 MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

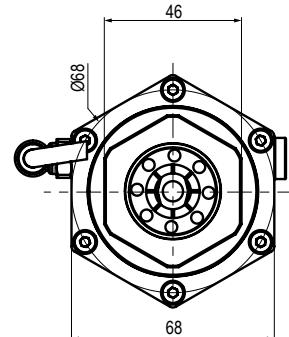
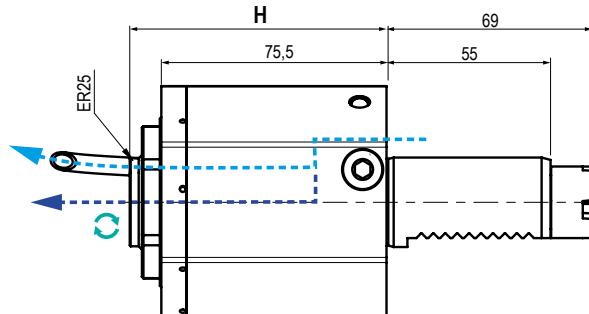
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**VDI
30**



TIPO - TYPE

Assiale
Axial



USCITA - OUTPUT

Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT

80 bar



RATIO

1:1

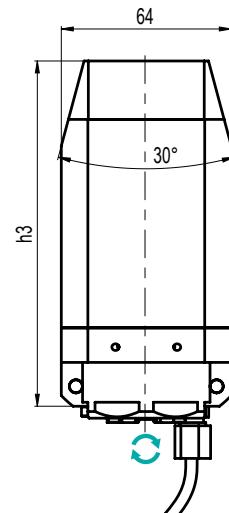
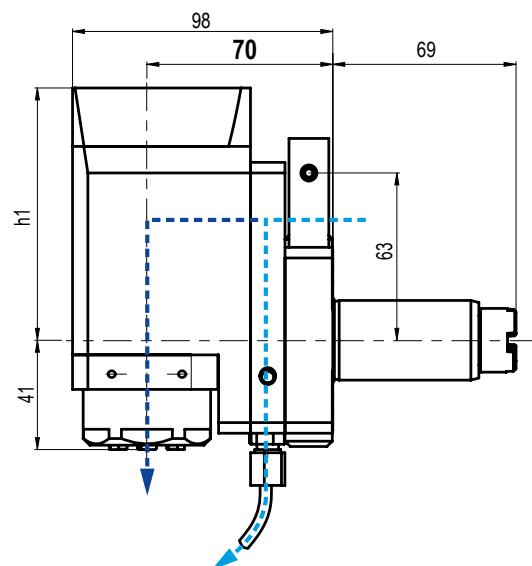


ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A33	ER-25 - DIN6499	NO	86,1	32	6.000	-	
99.OK.A34	ER-25 - DIN6499	✓	86,1	32	6.000	-	

5



TIPO - TYPE

Radiale disassato
Radial off-set



USCITA - OUTPUT

Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT

80 bar



RATIO

1:1



ROTAZIONE - ROTATION

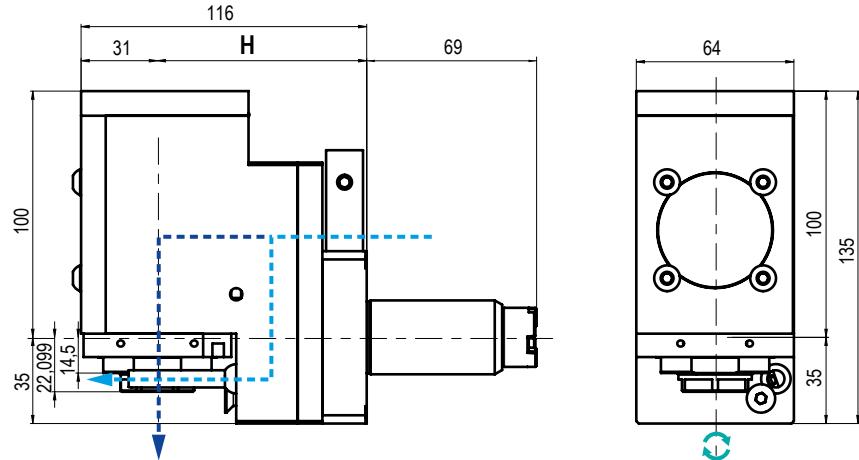
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	h2	h3	Nm	Rpm	kw	
99.OK.A36	ER-25 - DIN6499	NO	84	119	16	8.000	-	
99.OK.A42	ER-25 - DIN6499	✓	95	130	16	8.000	-	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**VDI
30**

TIPO - TYPE
 Radiale disassato
 Radial off-set

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

**REFRIGERANTE
COOLANT**
 80 bar

RATIO
 1:1

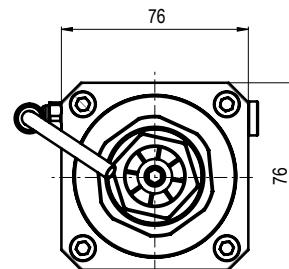
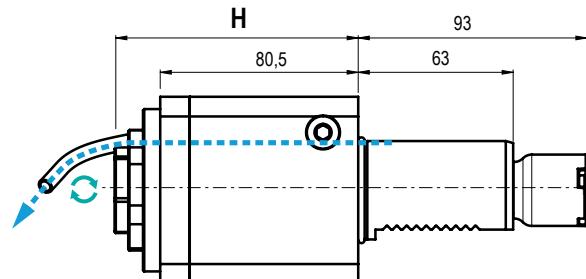
ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A39	ER-25 - DIN6499	✓	85	40	8.000	-	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**VDI
40**

TIPO - TYPE
 Assiale
 Axial

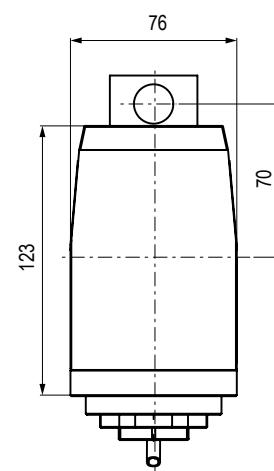
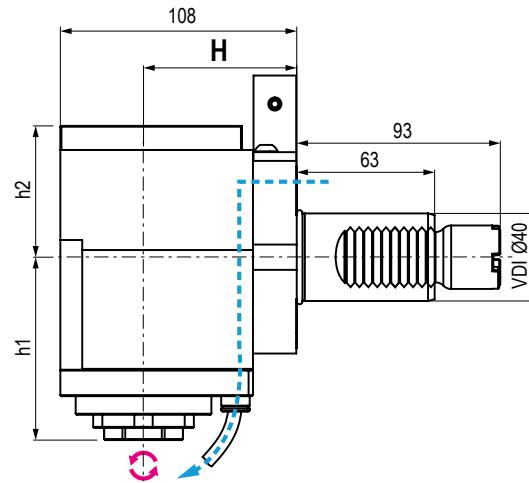
USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A18	ER-32 - DIN6499	NO	98,6	70	6.000	6	
99.OK.A23	ER-32 - DIN6499	✓	98,6	70	6.000	6	

5

TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
70 bar

RATIO
1:1

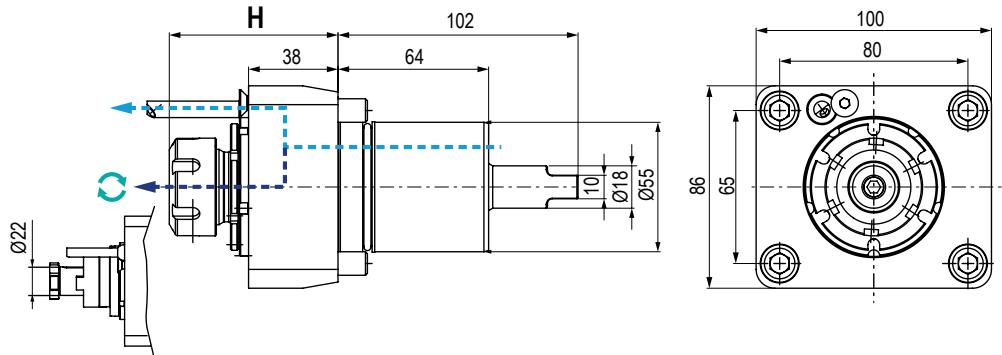
ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.OK.A19	ER-32 - DIN6499	NO	70	84	60	60	6.000	6	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


TIPO - TYPE
 Assiale
 Axial

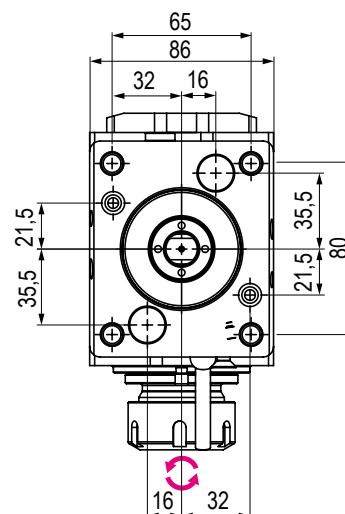
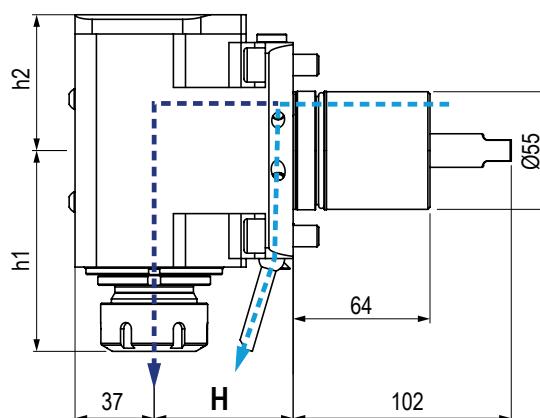
USCITA - OUTPUT
 Portapinza/Portafresa
 ER/Shell End Milling Cutter

REFRIGERANTE
 COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
 Uguale al mandrino
 Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A01	ER-25	NO	71,7	40	8.000	8	
99.OK.A02	ER-25	✓	71,7	40	8.000	8	
99.OK.A14	ER-32	NO	78	70	6.000	6	
99.OK.A15	ER-32	✓	78	70	6.000	6	
99.OK.A16	PF-22	NO	96	60	6.000	10	
99.OK.A17	PF-27	NO	97	60	6.000	10	


TIPO - TYPE
 Radiale
 Radial

USCITA - OUTPUT
 Porta Pinza
 Collet Chuck

REFRIGERANTE
 COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

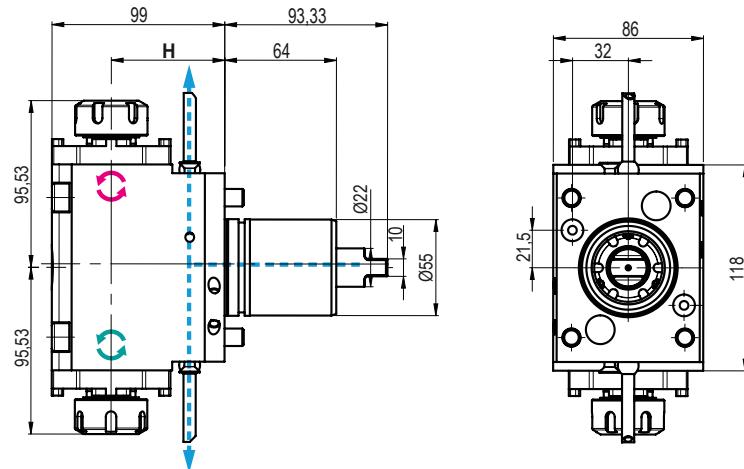
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.OK.A03	ER-20	NO	65	94	63,5	60	6.000	-	
99.OK.A04	ER-20	✓	65	94	63,5	60	6.000	-	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**VDI
55**



TIPO - TYPE
Radiale Doppio
Double Radial



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
Esterno
External



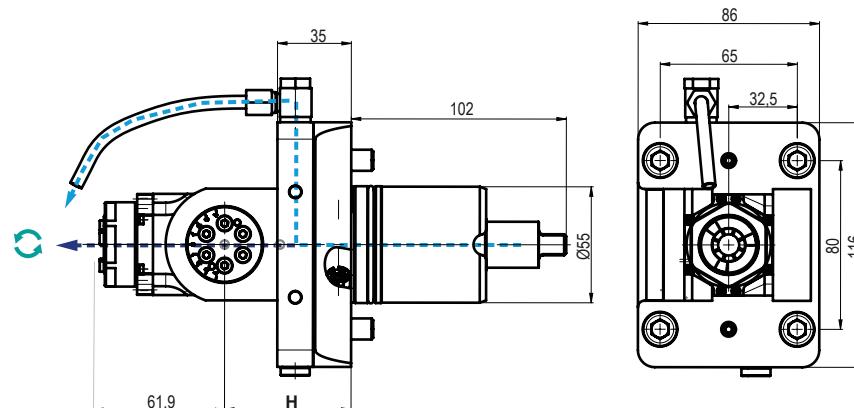
RATIO
1:1



ROTAZIONE - ROTATION
Uguale ed opposto al mandrino
Same and opposite as m. spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A05	ER-25	NO	65	40	6.000	10	

5



TIPO - TYPE
Orientabile ±90°
±90° Adjustable



USCITA - OUTPUT
Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT
70 bar



RATIO
1:1



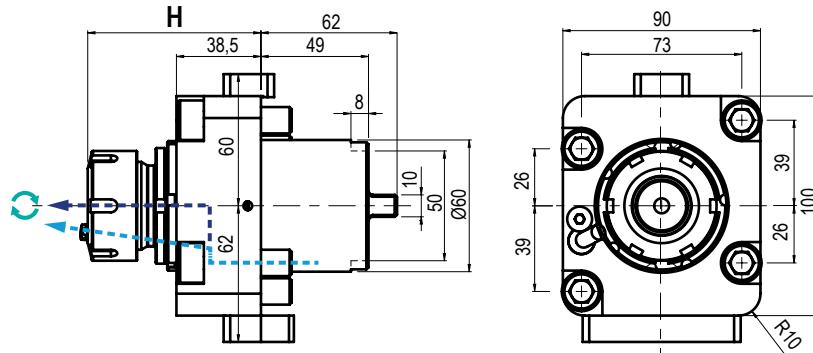
ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A06	ER-20	NO	60	14	6.000	5	
99.OK.A07	ER-20	✓	60	14	6.000	5	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
60**


TIPO - TYPE

Assiale
Axial

USCITA - OUTPUT

Porta Pinza
Collet Chuck

REFRIGERANTE

COOLANT
70 bar

RATIO

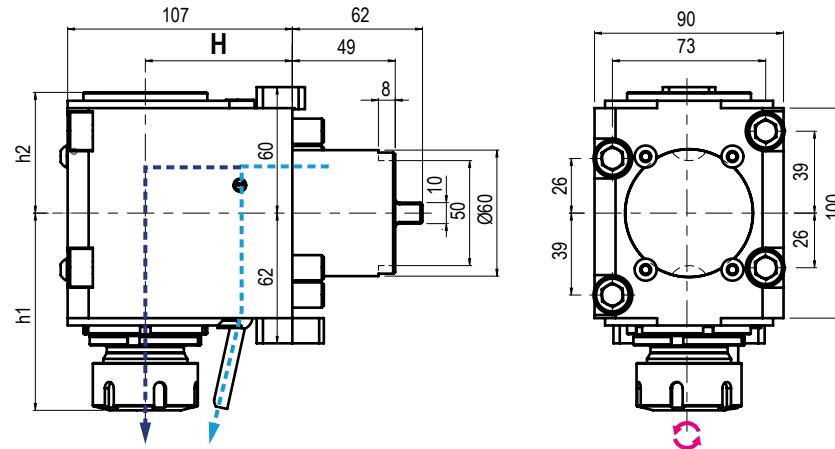
1:1



ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.OK.A80	ER-32 - Ø2÷20	NO	Max 79	60	6.000	6	
99.OK.A81	ER-32 - Ø2÷20	✓	Max 79	60	6.000	6	



TIPO - TYPE

Radiale
Radial

USCITA - OUTPUT

Porta Pinza
Collet Chuck

REFRIGERANTE

COOLANT
70 bar

RATIO

1:1



ROTAZIONE - ROTATION

Opposto al mandrino
Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.OK.A82	ER-32 - Ø2÷20	NO	70	94	57,5	60	6.000	6	
99.OK.A83	ER-32 - Ø2÷20	✓	70	94	57,5	60	6.000	6	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

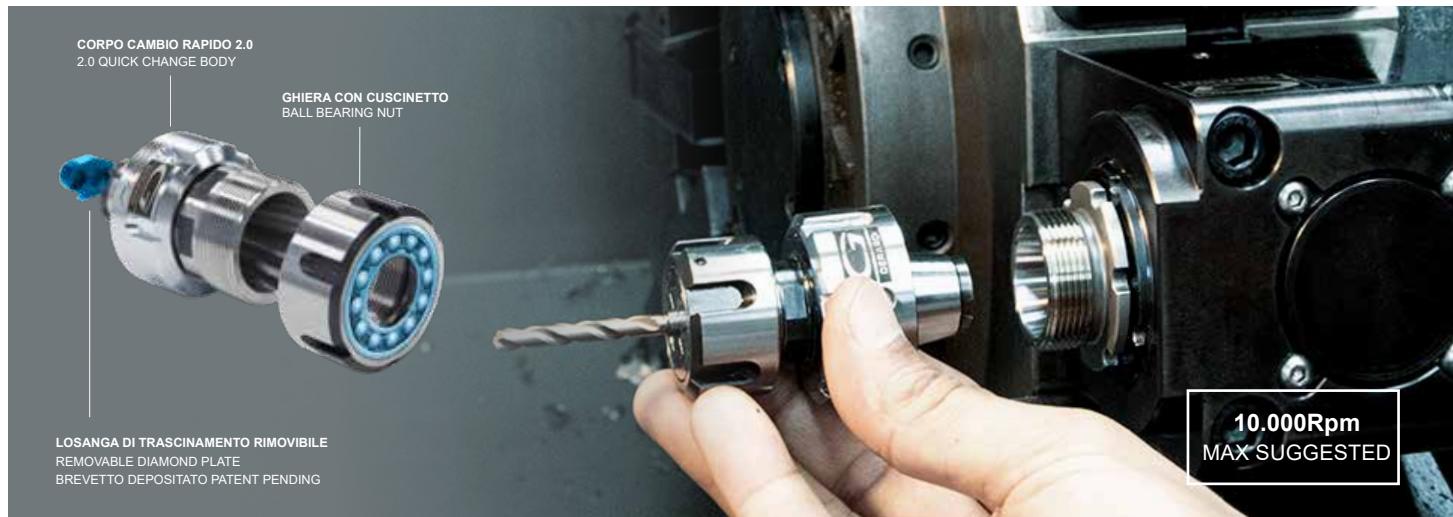
Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED



100% MADE IN ITALY

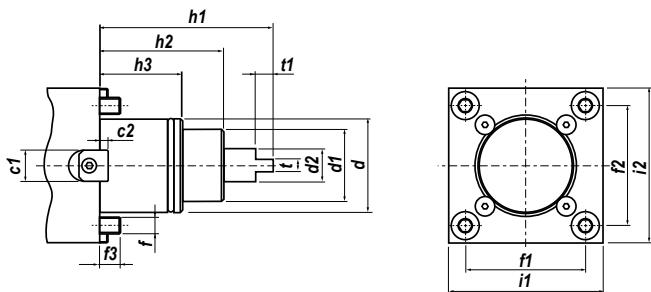


VDI 30 / BMT 45

SPINNER

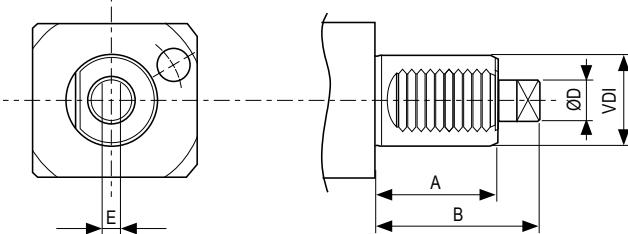


BMT



Type	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1
BMT45	45	35	24	-	58	58	-	72	49	35	75	75	8	7

VDI



Type	A	B	ØD	E
VDI 25	45	73	23	8

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILT DER. MODEL AND TURRET POSITION NUMBERS



DOTAZIONE STANDARD

STANDARD EQUIPMENT

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
Tool shaft lock wrench / cooling nozzle / nozzle lock screws / Driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7.15
MODULAR QUICK CHANGE See page 7.12 - 7.15

MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

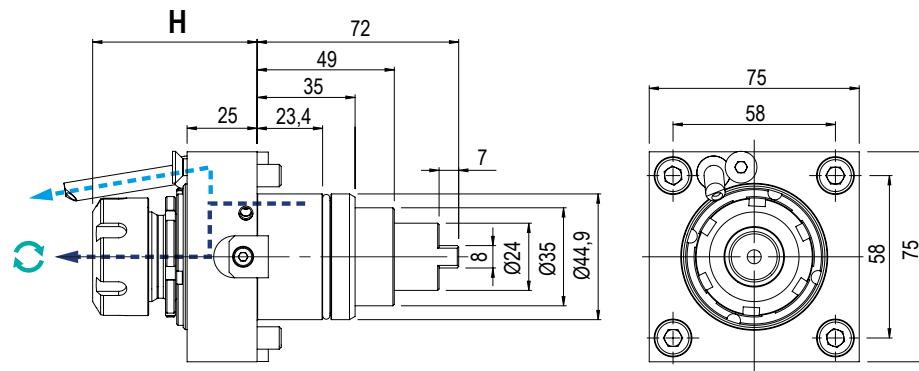
Modular toolholder system for the fitting of toolholders in

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

SPINNER

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

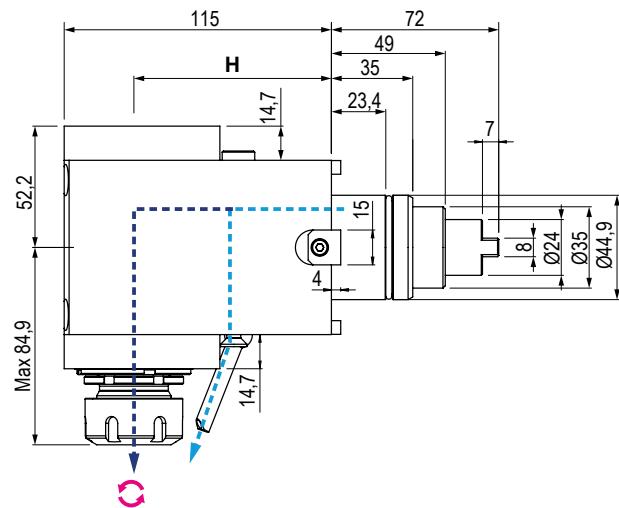
BMT
45



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	80 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.SPA01	ER-25 Ø1÷16	NO	Max 58,7	35	8.000	6	
99.SPA02	ER-25 Ø1÷16	✓	Max 58,7	35	8.000	6	
99.SPA03	ER-32 Ø2÷20	NO	Max 81	35	8.000	6	
99.SPA04	ER-32 Ø2÷20	✓	Max 81	35	8.000	6	

5



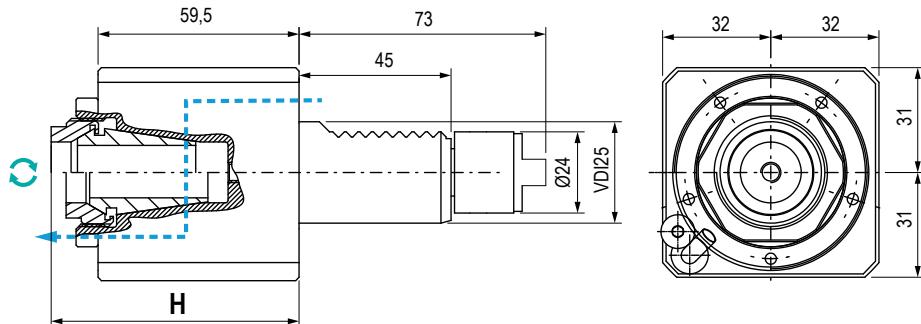
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza Collet Chuck	80 bar	1:1	Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.SPA05	ER-25 Ø1÷16	NO	85	84,9	52,2	35	8.000	6	
99.SPA06	ER-25 Ø1÷16	✓	85	84,9	52,2	35	8.000	6	
99.SPA07	ER-32 Ø2÷20	NO	85	84,9	52,2	35	8.000	6	
99.SPA08	ER-32 Ø2÷20	✓	85	84,9	52,2	35	8.000	6	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

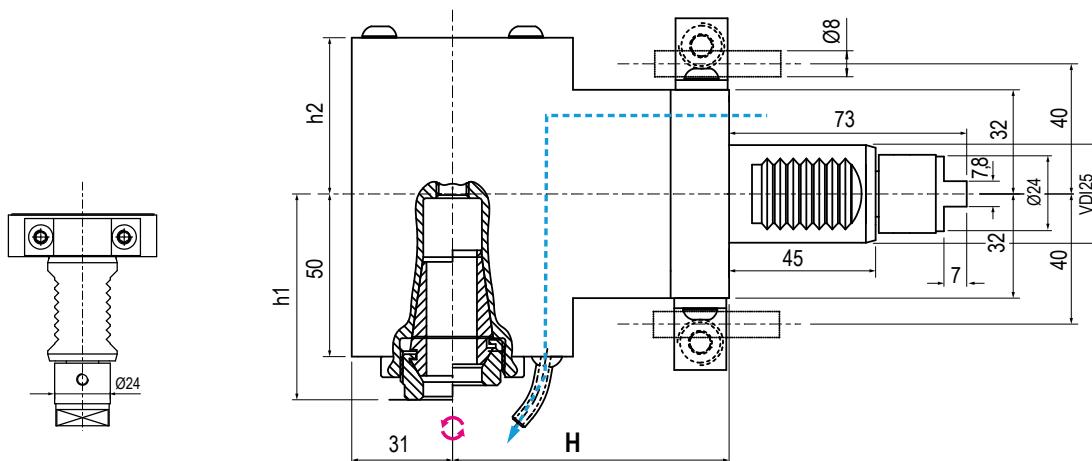
SPINNER

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**VDI
25**


TIPO - TYPE	ASSIALE Axial	USCITA - OUTPUT	PORTA PINZA COLLET CHUCK	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
	Assiale Axial		Porta Pinza Collet Chuck	80 bar	1:1	
						Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	kw	
99.SP.A09	ER-25 Ø1÷16	NO	Min 69 - Max 73,5	40	7.000	8	
99.SP.A11	ER-25 Ø1÷16	✓	Min 69 - Max 73,5	40	7.000	8	



TIPO - TYPE	RADIALE Radial	USCITA - OUTPUT	PORTA PINZA COLLET CHUCK	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
	Radiale Radial		Porta Pinza Collet Chuck	80 bar	1:1	
						Opposto al mandrino Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	kw	
99.SP.A10	ER-25 Ø1÷16	NO	85	58,8 ÷ 63,3	48	40	7.000	8	
99.SP.A12	ER-25 Ø1÷16	✓	85	58,8 ÷ 63,3	48	40	7.000	8	

NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

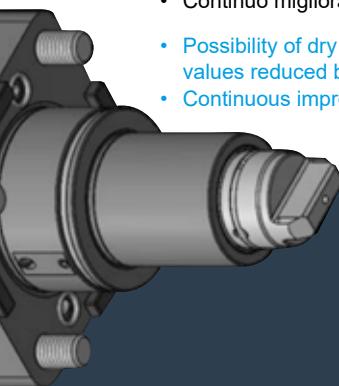
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



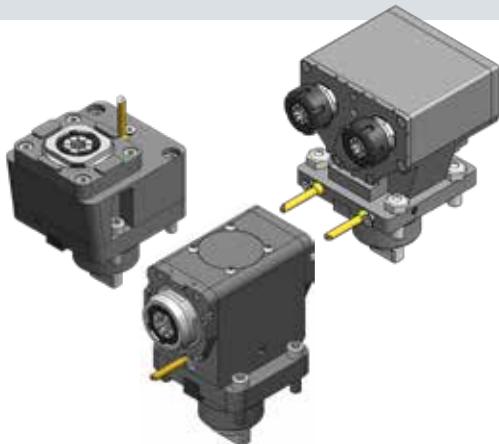
CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

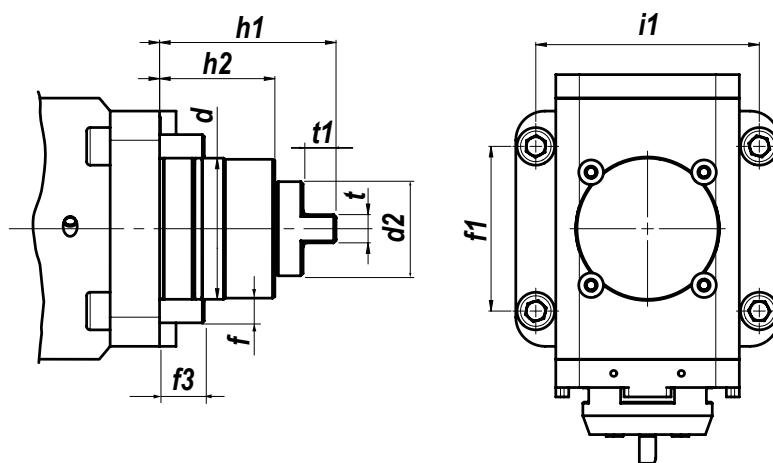
- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.



Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!



**NEW
2024**



5

Type	d	d1	f	f1	f3	h1	h2	i1	t	t1
BMT60	60	10	10	70	15-20	75	40	95	12	14

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
Shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

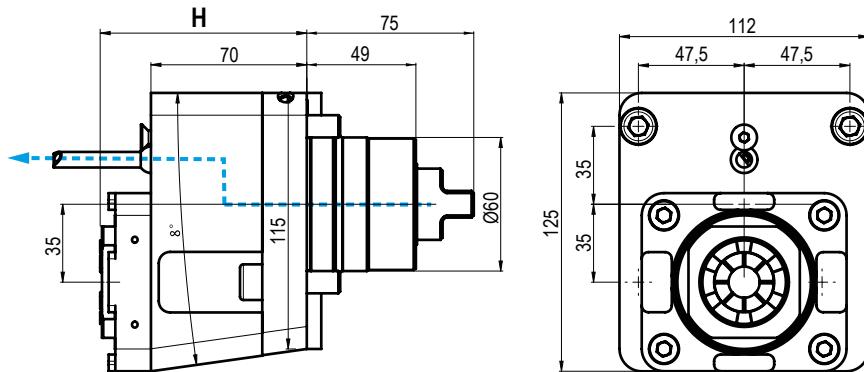
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TS-3000-5000
T12 2-KEY-TURRET

DMG MORI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
60

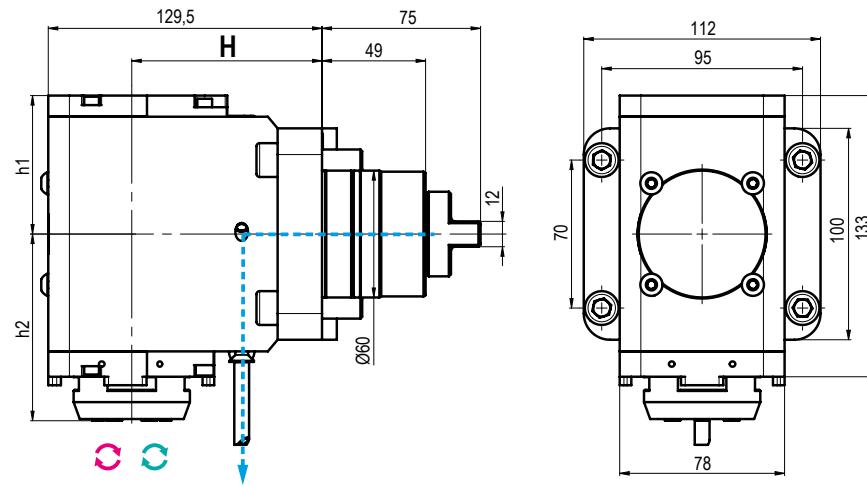


NEW
2024

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Assiale Axial	Porta Pinza ES ES Collet Chunk	Esterno External	1:1	Opposto al mandrino Opposite to machine spindle
Code	Output	Int Cool.	H	Nm

99.TA.A01 ER-32 - Ø2÷20 NO 93 25 6.000

5



NEW
2024

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza ES ES Collet Chunk	Esterno External	1:1	Opposto al mandrino Opposite to machine spindle
Code	Output	Int Cool.	H	h1

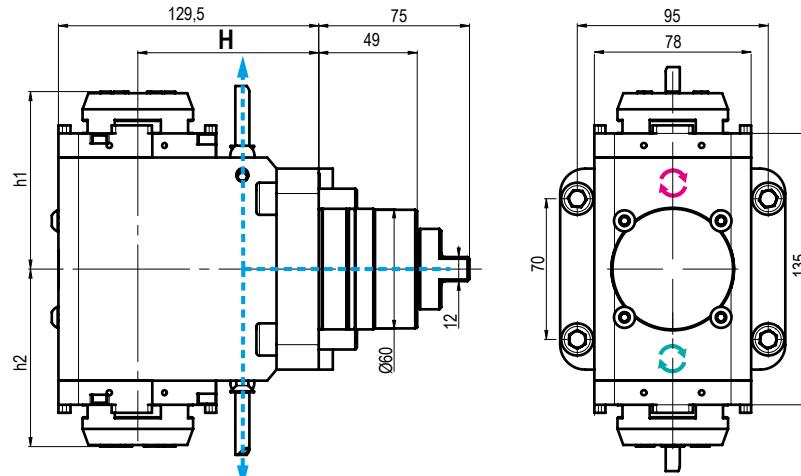
99.TA.A02 ER-32 - Ø2÷20 NO 90 65,5 88 50 8.000

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

TS-3000-5000
T12 2-KEY-TURRET

DMG MORI

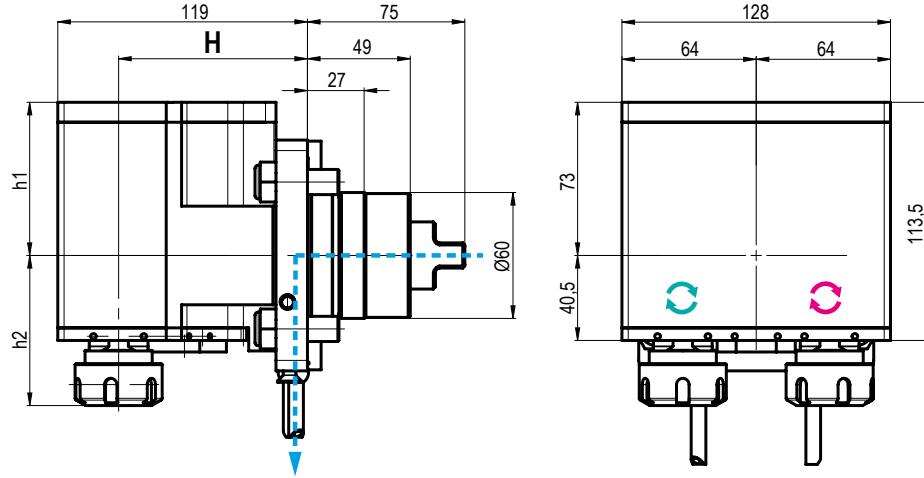
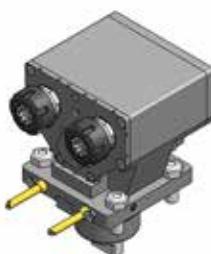
Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**NEW
2024**

TIPO - TYPE

USCITA - OUTPUT
Porta Pinza ES
ES Collet ChunkREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TA.A03	ER-25 - Ø1÷16	NO	90	85	85	50	8.000	
99.TA.A04	ER-32 - Ø2÷20	NO	90	88	88	50	8.000	

**NEW
2024**TIPO - TYPE
Radiale Doppio
Double RadialUSCITA - OUTPUT
Porta Pinza
Collet ChunkREFRIGERANTE
COOLANT
Esterno
ExternalRATIO
1:1ROTAZIONE - ROTATION
Uguale / opposto al mandrino
Same / opposite as m. spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TA.A05	ER-25 - Ø1÷16	NO	90	73	72	40	6.000	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

VANTAGGI ADVANTAGES



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

ALTE PRESTAZIONI HIGH PERFORMANCE



Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



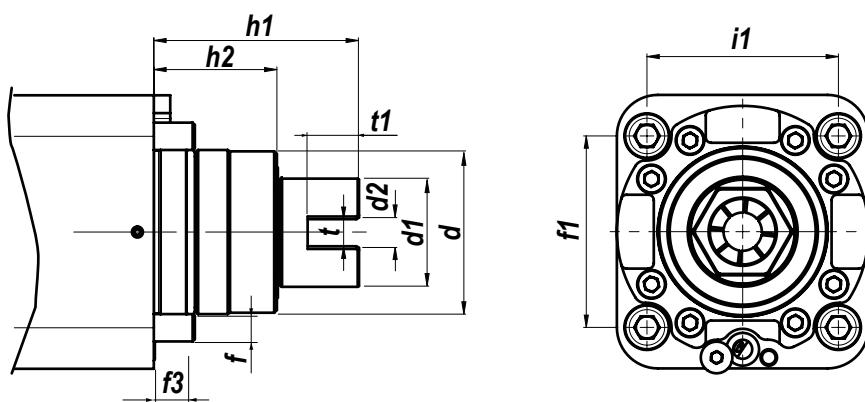
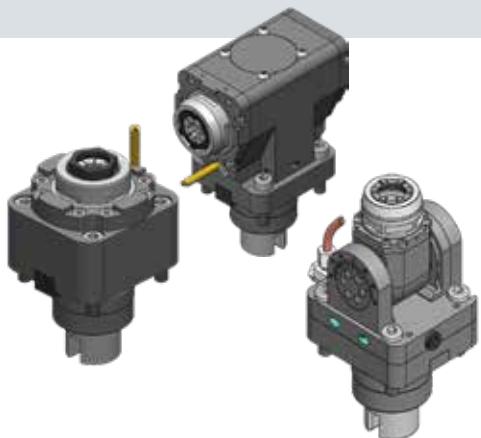
ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED



100% MADE IN ITALY

**NEW
2024**


Type	d	d1	d2	f	f1	f3	h1	h2	i1	t	t1
BMT60	60	40	10	10	70	15-20	75	45	70	10	19

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:
COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS

**DOTAZIONE STANDARD
STANDARD EQUIPMENT**

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring
 Shaft lock wrench / cooling nozzle / nozzle lock screws / driven tool locking screws / O-ring


**CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15
MODULAR QUICK CHANGE See page 7.12 - 7.15**

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).
 Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

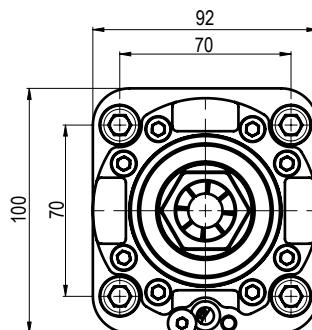
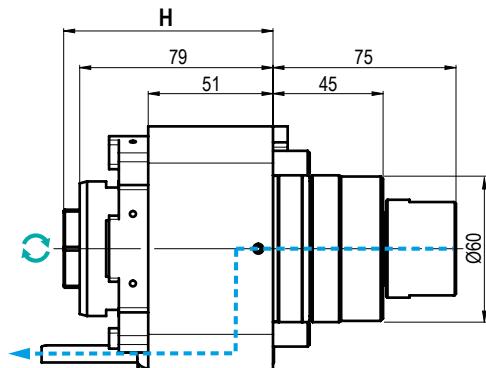
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

EX 308 / 310 / 508 / 509 / 510 / 710 / 908 / 910 - EX 1500/2000 YT-Y
EX NEX 508/510/908/910 - FX 800 - LA 250/300 M-Y - LA 250 YS-YT-T15 -
LX 2500M-Y - MX 800 - NEX 108/110 M-Y - VTL 450M

DOOSAN

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
60**



**NEW
2024**



TIPO - TYPE
Assiale
Axial



USCITA - OUTPUT
Porta Pinza ES
ES Collet Chunk



REFRIGERANTE
COOLANT
80 bar



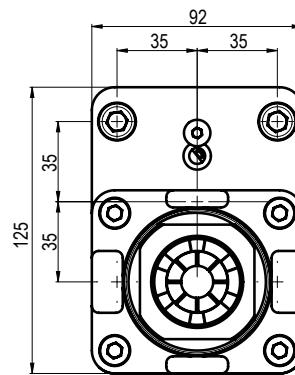
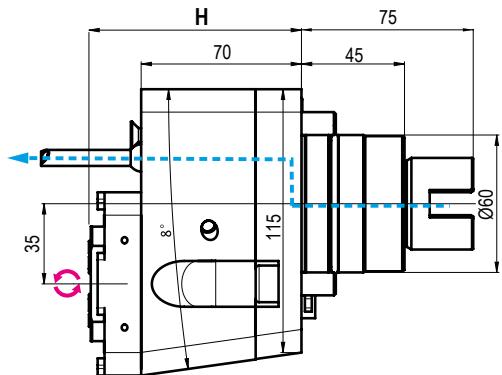
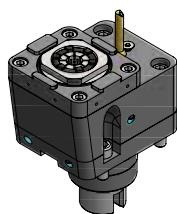
RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.TK.A12	ER-32 - Ø2÷20	NO	86	60	6.000	
99.TK.A13	ER-32 - Ø2÷20	✓	86	60	6.000	
99.TK.A18	ER-32 - Ø2÷20	NO	86	60	8.000	
99.TK.A19	ER-32 - Ø2÷20	✓	86	60	8.000	

5



**NEW
2024**



TIPO - TYPE
Assiale
Axial



USCITA - OUTPUT
Porta Pinza ES
ES Collet Chunk



REFRIGERANTE
COOLANT
Esterno
External



RATIO
1:1



ROTAZIONE - ROTATION
Opposto al mandrino
Opposite to machine spindle

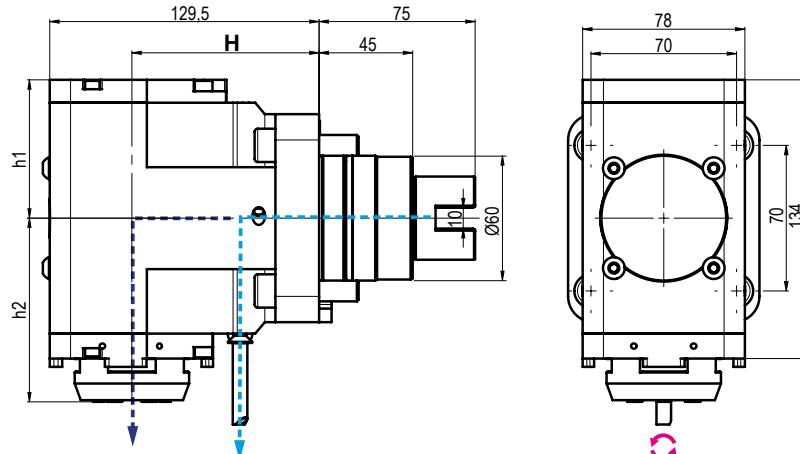
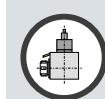
Code	Output	Int Cool.	H	Nm	Rpm	
99.TK.A17	ER-32 - Ø2÷20	NO	93	25	6.000	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

 EX 308 / 310 / 508 / 509 / 510 / 710 / 908 / 910 - EX 1500/2000 YT-YS
 EX NEX 508/510/908/910 - FX 800 - LA 250/300 M-Y - LA 250 YS-YT-T15 -
 LX 250M-Y - MX 800 - NEX 108/110 M-Y - VTL 450M

DOOSAN

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


 NEW
2024

 TIPO - TYPE
 Radiale
 Radial

 USCITA - OUTPUT
 Porta Pinza ES
 ES Collet Chunk

 REFRIGERANTE
 COOLANT
 80 bar

 RATIO
 1:1

 ROTAZIONE - ROTATION
 Opposto al mandrino
 Opposite to machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TK.A24	ER-32 - Ø2÷20	NO	90	65,5	88	50	8.000	
99.TK.A25	ER-32 - Ø2÷20	✓	90	66,5	88	50	8.000	

MODELLI DI TORNIO COMPATIBILI

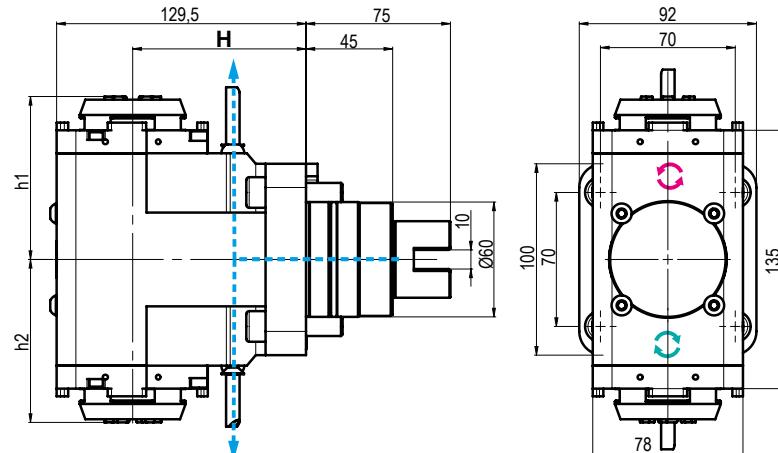
COMPATIBLE LATHE TYPES

**EX 308 / 310 / 508 / 509 / 510 / 710 / 908 / 910 - EX 1500/2000 YT-YS
EX NEX 508/510/908/910 - FX 800 - LA 250/300 M-Y - LA 250 YS-YT-T15 -
LX 2500M-Y - MX 800 - NEX 108/110 M-Y - VTL 450M**

DOOSAN

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
60**

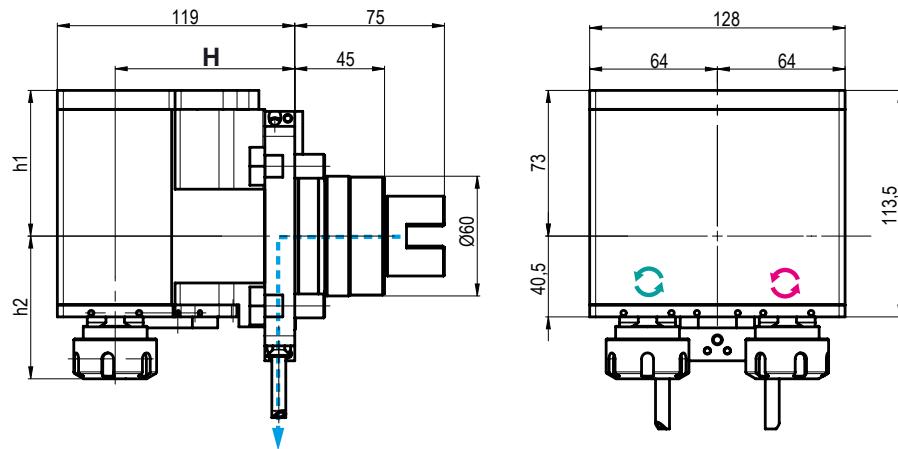
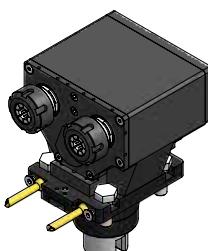


**NEW
2024**

TIPO - TYPE USCITA - OUTPUT
Radiale Doppio Porta Pinza ES
REFRIGERANTE COOLANT
80 bar
RATIO
1:1
ROTAZIONE - ROTATION
Uguale / opposto al mandrino

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TK.A28	ER-25-25 - Ø1÷16	NO	90	85	85	50	8.000	
99.TK.A29	ER-32-32 - Ø2÷20	NO	90	88	88	50	8.000	

5



**NEW
2024**

TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
 Radiale Doppio Double Radial	 Porta Pinza ES ES Collet Chuck	 Esterno External	 1:1	 Uguale / opposto al mandrino Same / opposite as m. spindle

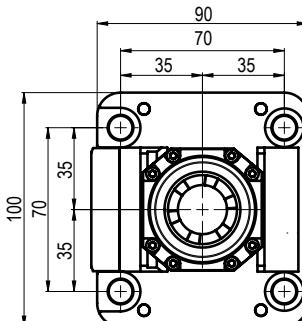
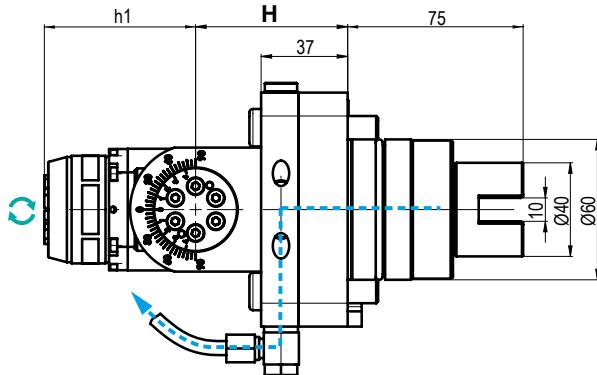
Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TK.A09	ER-25 - Ø1÷16	NO	90	73	72	40	6.000	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

 EX 308 / 310 / 508 / 509 / 510 / 710 / 908 / 910 - EX 1500/2000 YT-YS
 EX NEX 508/510/908/910 - FX 800 - LA 250/300 M-Y - LA 250 YS-YT-T15 -
 LX 2500M-Y - MX 800 - NEX 108/110 M-Y - VTL 450M

DOOSAN

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
60**

**NEW
2024**

	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Orientabile Adjustable		Porta Pinza ES ES Collet Chuck		Esterno External		1:1		Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	
99.TK.A22	ER-16	✓	65	114,5	20	6.000	
99.TK.A23	ER-25	NO	65	130	25	6.000	



MODULAR QUICK CHANGE ADAPTORS

2.0



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



VANTAGGI ADVANTAGES



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

ALTE PRESTAZIONI HIGH PERFORMANCE



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

Ghiera con cuscinetto a sfera e losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi ciclo. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and machining times saving. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm



Vedi Pagine 7.14 - 7.15 - See pages 7.14 - 7.15



ER OUTPUTS COMPATIBLE



2 YEARS GUARANTEED

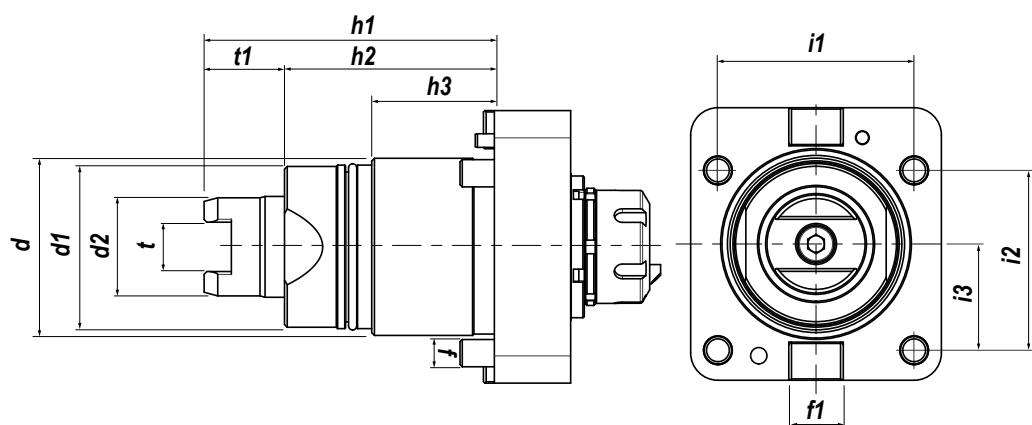


100% MADE IN ITALY

BMT 65



TSUGAMI CORPORATION



Type	d	d1	d2	f	f1	i1	i2	i3	h1	h2	h3	t	t1
BMT65	65	60	37	10	20	72	66	39	106,5	77	45	18,1	29,5

IN FASE D'ORDINE SPECIFICARE - IN CASE OF ORDER PLEASE SPECIFY:

COSTRUTTORE, MODELLO E NUMERO POSIZIONI IN TORRETTA - MACHINE BUILDER, MODEL AND TURRET POSITION NUMBERS



DOTAZIONE STANDARD STANDARD EQUIPMENT

Chiave bloccaggio albero / ugello refrigerazione / vite bloccaggio ugello / viti bloccaggio motorizzato / O-ring

Tool shaft lock wrench / cooling nozzle / noozle lock screws / driven tool locking screws / O-ring



CAMBI RAPIDI MODULARI Vedi pag. 7.12 - 7-15

MODULAR QUICK CHANGE See page 7.12 - 7.15

Facile e veloce sistema modulare per il cambio rapido delle diverse tipologie di portautensili con la sede dell'utensile per pinza ER (DIN6499).

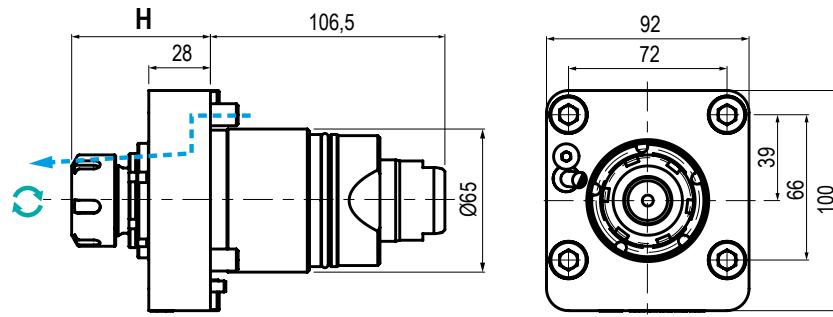
Modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs.

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

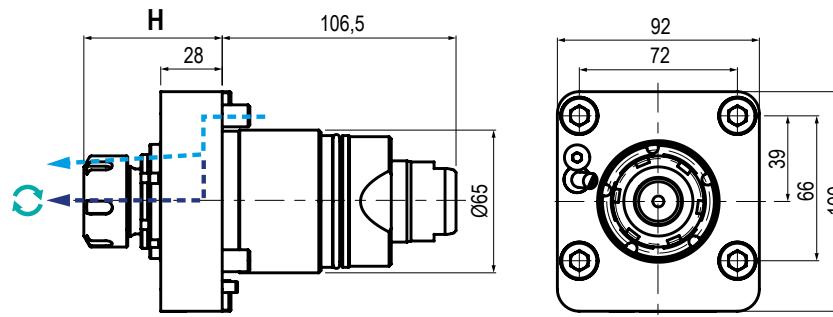
BMT
65



TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				Esterno External	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.TS.A01	ER-25 - Ø1÷16	NO	62,9	40	8.000	
99.TS.A03	ER-32 - Ø2÷20	NO	62÷67	40	8.000	

5



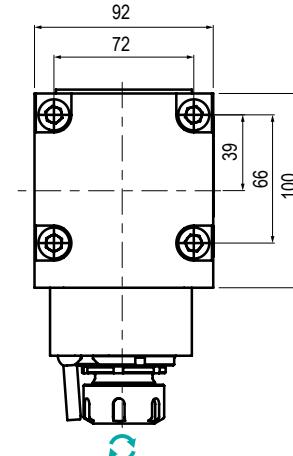
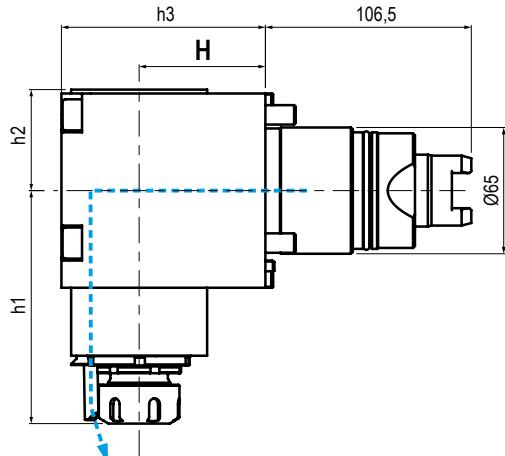
TIPO - TYPE	Assiale Axial	USCITA - OUTPUT	Porta Pinza Collet Chuck	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
				70 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.TS.A02	ER-25 - Ø1÷16	✓	55÷60	40	8.000	
99.TS.A04	ER-32 - Ø2÷20	✓	62÷67	40	8.000	

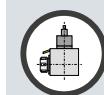
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13



**BMT
65**



TIPO - TYPE

Radiale
Radial



USCITA - OUTPUT

Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT

Esterno
External



RATIO
1:1



ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

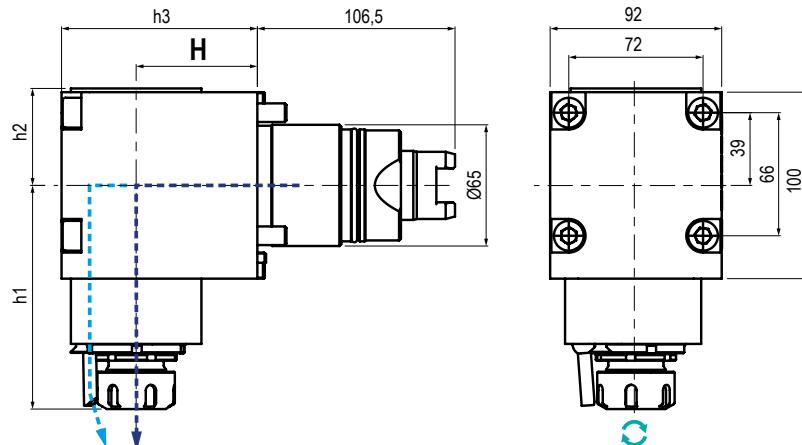
Code	Output	Int Cool.	H	h1	h2	h3	Nm	Rpm	
99.TS.A08	ER-25 - Ø1÷16	NO	65	119,9	52	105	40	8.000	
99.TS.A10	ER-32 - Ø2÷20	NO	65	122	52	105	40	8.000	
99.TS.A14	ER-32 - Ø2÷20	NO	85	117,3÷120	60	118	40	8.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

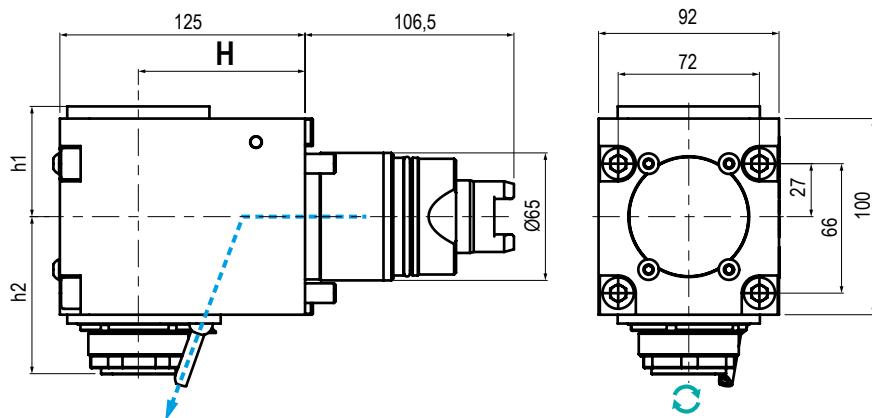
BMT
65



TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chuck	100 bar	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TS.A09	ER-25 - Ø1÷16	✓	69	120	50	40	8.000	
99.TS.A11	ER-32 - Ø2÷20	✓	65	120÷122,09	52	40	8.000	
99.TS.A15	ER-32 - Ø2÷20	✓	85	121	52	40	8.000	

5



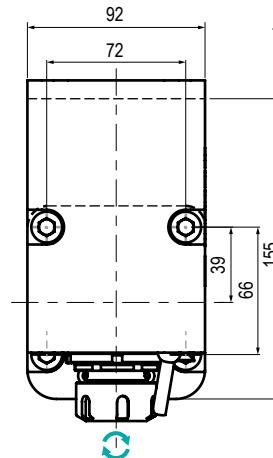
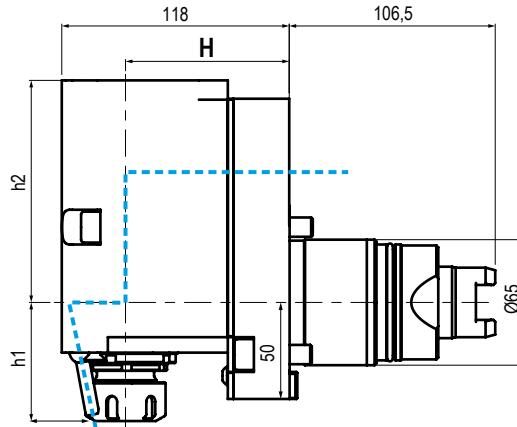
TIPO - TYPE	USCITA - OUTPUT	REFRIGERANTE COOLANT	RATIO	ROTAZIONE - ROTATION
Radiale Radial	Porta Pinza Collet Chuck	Esterno External	1:1	Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	
99.TS.A16	ER-32 - Ø2÷20	NO	85	80	70	8.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

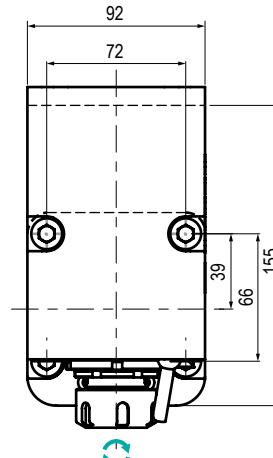
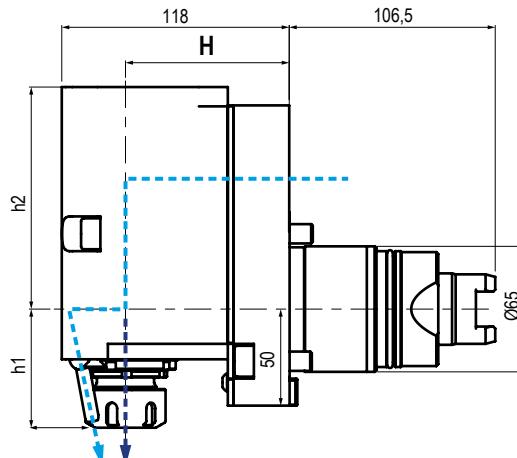
TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

**BMT
65**


	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Arretrato Rear Offset		Porta Pinza Collet Chuck		Esterno External		1:1		Uguale al mandrino Same as machine spindle

Code	Output	Int Cool.	H	Nm	Rpm	
99.TS.A17	ER-25 - Ø1÷16	NO	85	40	8.000	



	TIPO - TYPE		USCITA - OUTPUT		REFRIGERANTE COOLANT		RATIO		ROTAZIONE - ROTATION
	Arretrato Rear Offset		Porta Pinza Collet Chuck		100 bar		1:1		Uguale al mandrino Same as machine spindle

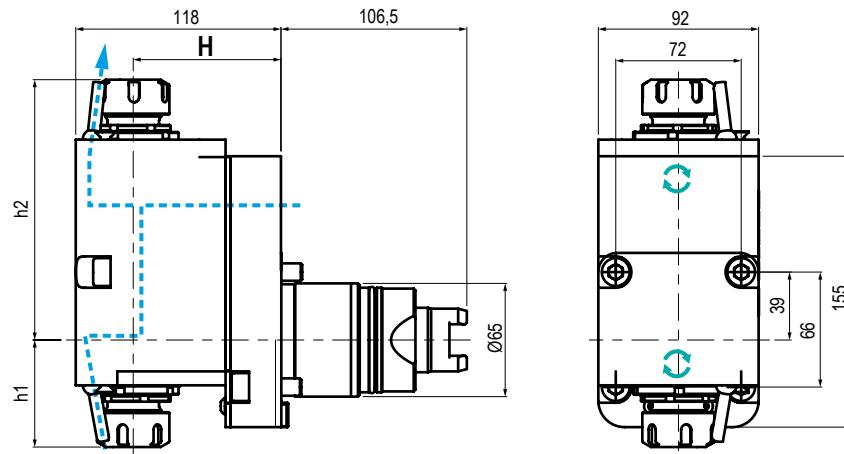
Code	Output	Int Cool.	H	Nm	Rpm	
99.TS.A18	ER-25 - Ø1÷16	✓	85	40	8.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13

BMT
65



TIPO - TYPE

Arretato Doppio
Double Rear Offset



USCITA - OUTPUT

Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT

Esterno
External



RATIO

1:1

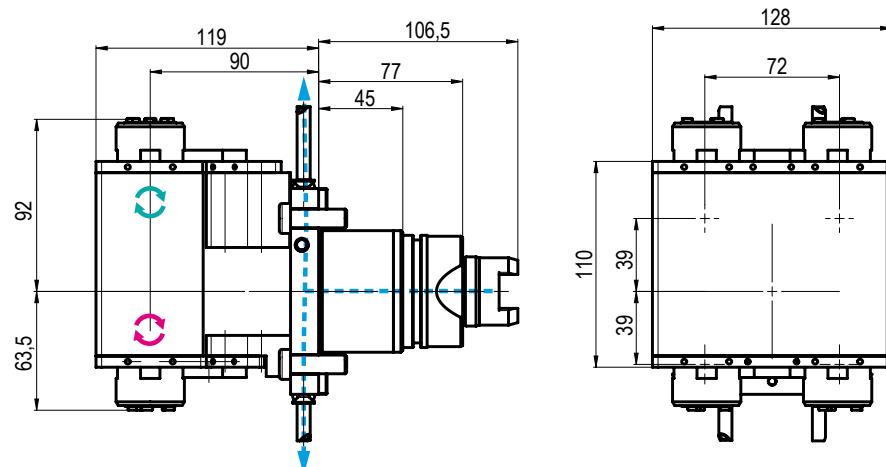


ROTAZIONE - ROTATION

Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	
99.TS.A21	ER-25 - Ø1÷16	NO	85	61,43	40	8.000	
99.TS.A22	ER-32 - Ø2÷20	NO	85	max 38,4	70	8.000	

5



TIPO - TYPE

Radiale 4 Uscite
4 Outputs Radial



USCITA - OUTPUT

Porta Pinza
Collet Chuck



REFRIGERANTE
COOLANT

Esterno
External



RATIO

1:1



ROTAZIONE - ROTATION

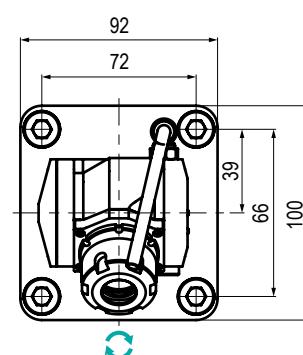
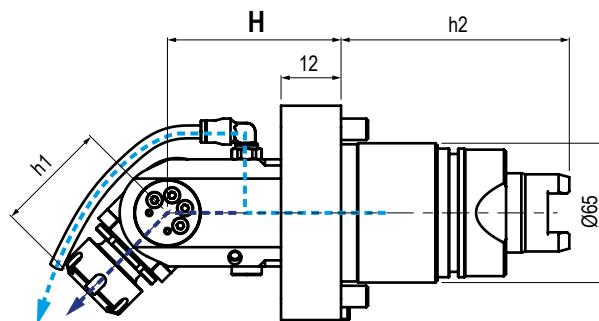
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	Nm	Rpm	
99.TS.A23	ER-20 - Ø1÷13	NO	90	63,5	40	6.000	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TSUGAMI

Vedi pagine compatibilità 5.10 / 5.13 - See compatibility pages 5.10 / 5.13


BMT
65

TIPO - TYPE
Orientabile ±90°
±90° Adjustable

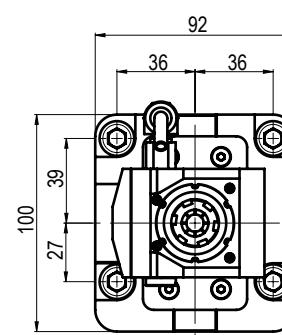
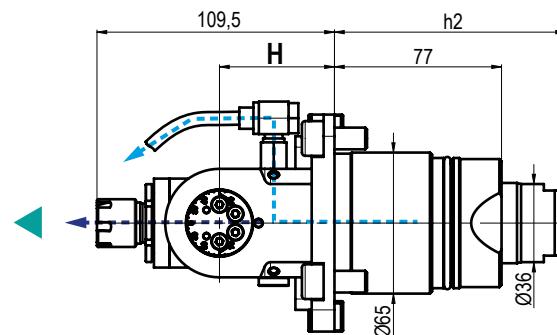
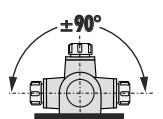
USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
70 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h1	h2	Nm	Rpm	
99.TS.A24	ER-20 - Ø1÷13	NO	53	59	106,5	15	8.000	
99.TS.A25	ER-20 - Ø1÷13	✓	53	59	106,5	15	8.000	


5

TIPO - TYPE
Orientabile ±90°
±90° Adjustable

USCITA - OUTPUT
Porta Pinza
Collet Chuck

REFRIGERANTE
COOLANT
80 bar

RATIO
1:1

ROTAZIONE - ROTATION
Uguale al mandrino
Same as machine spindle

Code	Output	Int Cool.	H	h2	Nm	Rpm	
99.TS.A26	ER-16 MINI	NO	53	106,5	15	8.000	
99.TS.A27	ER-16 MINI	✓	53	106,5	15	8.000	

NEW
2024

In arrivo Motorizzati Potenziati!

Upgraded Driven Tools are coming!

HIGH PERFORMANCE

Elevata coppia e 12.000 Rpm per lavorazioni a secco!
High torque and 12.000 Rpm for dry running!



Modelli Biglia già disponibili a catalogo. Prossimamente DMG MORI!
Biglia models already available in the catalogue. Coming soon DMG MORI!



MASSIME PRESTAZIONI E PROGETTAZIONE OTTIMIZZATA

Maximum Performance and Optimised Design

- Progettazione ottimizzata nella struttura e nei cuscinetti
- Migliori performance in fresatura e foratura
- Albero principale esente da usura
- Optimized design in the structure and bearings
- Better performance in milling and drilling
- Wear-free main shaft



EFFICIENZA TERMICA E MANUTENZIONE SEMPLIFICATA

Thermal efficiency and simplified maintenance

- Ridotto incremento delle temperature
- Tenuta meccanica senza guarnizione
- Montaggio smontaggio semplificati
- Intervalli di manutenzione ridotti
- Reduced increase in temperatures
- Mechanical seal without gasket
- Simplified assembly and disassembly
- Reduced maintenance intervals



POSSIBILITÀ DI LAVORARE A SECCO

Dry running available

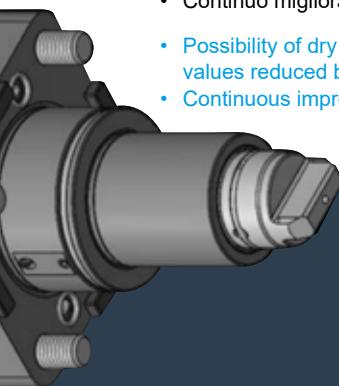
- Possibilità di lavorare a secco ad alte velocità (ma con valori ridotti del 70%)
- Continuo miglioramento della tecnologia di tenuta
- Possibility of dry running at high speeds (but with values reduced by 70%)
- Continuous improvement of sealing technology



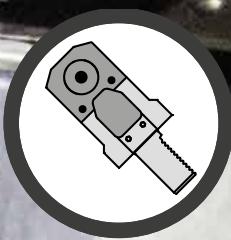
CHIAVE DI BLOCCAGGIO CON SISTEMA "SENZA MANI"

'Hands-free' locking wrench

- La chiave di bloccaggio dell'albero portapinza rimane fissa liberando una mano per un migliore serraggio dell'utesile
- Ridotto il tempo operativo di attrezzaggio
- The collet holder shaft locking key remains fixed, freeing one hand for better tightening of the tool
- Reduced operating time when tooling up the machine.



Contatta il tuo Agente di zona - Ask to your area Distributor
PROSSIMAMENTE NUOVI MODELLI!
NEW MODELS COMING SOON!



- VDI
- BIGLIA
- BMT
- DOOSAN
- DMG MORI
- HAAS
- MAZAK
- NAKAMURA
- OKUMA
- TSUGAMI

6

*Maximum precision both for
turning, drilling and boring!*

STATIC TOOLS

Portautensili statici / Static Tools

INDICE - INDEX

STATIC TOOLS

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RADIALE ROVESCIATO UPSIDE DOWN RADIAL	
RADIALE LUNGO RADIAL LONG	
ASSIALE AXIAL	
ASSIALE ROVESCIATO UPSIDE DOWN AXIAL	
ROVESCIATO LUNGO LONG UPSIDE DOWN RADIAL	
A SEDI MULTIPLE WITH MULTIPLE SEATS	
ROVESCIATO CON SEDI MULTIPLE UPSIDE DOWN WITH MULTIPLE SEATS	
WHISTLE NOTCH WHISTLE NOTCH HOLDER	
PER PUNTE AD INSERTI FOR INDEXABLE DRILL	
PER PUNTE AD INSERTI FOR INDEXABLE DRILL	
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PORTABARENO BOARING BAR HOLDER	
MASCHIATORE DOPPIA COMPENSAZIONE TENSION & COMPRESSION TAPPING HEAD	
PORTA LAMA CUT OFF TOOL HOLDER	
PORTA LAMA ROVESCIATO UPSIDE DOWN CUT OFF TOOL HOLDER	
STRINGI BARRA BAR PULLER	
TAPPI ACCIAIO STEEL TURRET CUPS	
TAPPI PLASTICA PLASTIC CUPS	
BUSSOLE DI RIDUZIONE BORING BAR SOCKETS	
BIGLIA	
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STEO QUADRO RADIALE FACE AND OD HOLDER	
STEO QUADRO ASSIALE FACE AND ID CUTTING HOLDER	
PORTA BARENO BORING BAR HOLDER	
from 6.13 to 6.22	from 6.23 to 6.28
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STEO QUADRO RADIALE DOPPIO 2 FACE AND OD CUTTING HOLDER	
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STATIC TOOLS COMPATIBILITY

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages	Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
VDI	DIN 69880	VDI 30 VDI 40 VDI 50 VDI 60	from page 6.13 to page 6.22	DOOSAN		PUMA 2100/2600 (M,LM,MS,LMS) (Y,LY,SY,LSY) PUMA 300 (M,MS,MB,MC) PUMA3100(M,LM,LY,XLM,XLY,ULM,ULY) PUMA MX2000/2500 PUMA MX2600 (T,SY,ST) PUMA TT2500 (MS/SY) PUMA V400 (M) PUMA VT450 (M,2SP) PUMA TT2000 INVERTURN 3000 (M)	
BIGLIA	BMT 55	B301 / 445 / 455 / 470 / 501 (Y-S) 510 / 545 / 550 / 565 / 650 / 658 1200 / 446 / 465 / 745 / 765 B750 / 1250 16 STATIONS	from page 6.23 to page 6.28	Haas		ST20 - ST25 - ST30 - ST35 - DS30Y ST-20Y - ST-25Y - ST-30Y - ST-35Y	
DOOSAN	BMT 45	LYNX 2100LYA/LYB 24 POSITIONS LYNX 2100MA/220 (LMSA,LMSC) 220 (LSYA,LSYC), 220 (M,LM) LYNX 220 (MA,LMA,MC,LMC) 220 (YA,YC,LYA,LYC) PUMA MX1600 (T,ST)	from page 6.29 to page 6.32	Hwacheon	BMT 65	CUTEX-240 (MC/SMC) HI-TECH 200, 230, 300, 400, 450 (MC/ SMC/YMC/YSMC) T2-SERIES (MC/SMC/YMC/YSMC) - VT-450	from page 6.38 to page 6.41
Hardinge		GS 42, 51 T-42, 51 SUPER PRECISION TALENT 42, 51		Hyundai WIA		L300 (MA/MC/LMA/LMC/SMA/SMC/ LMSA) LM 2000, 2500 (TTM/TTMS/TTSY) L2000, 2100, 2600, 3000 (V/LS/SY/ LSY) SKT200, 250 (TTSY) SKT250, 300 (LM/LMS/M/MS)	
SmeC		PL1600 (M, CM)		Maxis		BMT65	
DOOSAN		Lynx 300(M) PUMA 1500/2000/2500(M,S,Y) PUMA 2100(Y,LY,SY,LSY) PUMA 2100/2600/3100M/Y/MS/SY PUMA 230/240/280(M,LM,S) PUMA GT2100M PUMA H250TM PUMA MX1600 / 2100(ST/LST) PUMA TL2000/2500(M,LM) PUMA TT1500/1800(MS,SY) PUMA TW2600		Samsung	SL25/35 PL20/25/35M PL35LM PL2000/2500M SL3500 (Y)		
Hardinge	BMT 55	CONQUEST H51 SUPER PRECISION T56 - T65	from page 6.33 to page 6.37	SMEC		VTURN-A26 (CM / SCM / YCM / YSCM)	
Hwacheon		CUTEX-160 / 180 / 240 / T2 (MC / SMC / YMC / YSMC) VT 450 (MC)		Victor		TMT200	
Hyundai WIA		HD2200 (M / MC) SKT-160 / 180 TTMS / TTSY / LM1600 / 1800 TTSY L160, 230 (MA / LMA / LMSA) SKT-160, 180 (TTMS / TTSY)		Tongai	DOOSAN	PUMA 400, 480, 500 (M / LM) PUMA 4100, 5100 (M / LY) PUMA V550, 8300 (M) PUMA VT750 (M / M-2SP)	
Samsung		PL 240 (LM) SL 1500,2000 (M/SY)		Hwacheon	BMT 75	HI-TECH 550/700/850/7026 VT550 / 650 (MC)	from page 6.42 to page 6.44
Victor		VTURN-A16, A20 (CM / SCM / YCM / YSYM) VTURN-Q200		Hyundai WIA		L400 (MA / LM / LC / LMC) LV800 (RM) V80 (R / RM) SKT-400 (M / LMC)	
				Samsung	DOOSAN	45 (M) 800 (VM) SL45 5500 (M)	
					BMT 85	PUMA VT900M (TM/M) + 18141VT1 100M (M) + 18141 PUMA 600 (M/LM/M) + 18141 PUMA 700 (M/LM/M) + 18141 PUMA 800 (M/LM) PUMA VT1100 (M)	from page 6.45 to page 6.46

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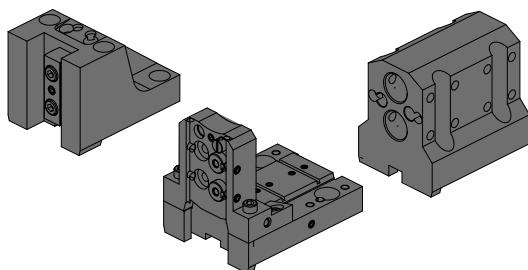
STATIC TOOLS COMPATIBILITY

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
DMG MORI	VDI 30	CTX310/410 V4/V6 - CTX320 V4/ V6 CTX420 V4/V6 - CTX Alpha 300 V4 - CTX Alpha 500 V4/V6 - CTX Beta 500/800/1250 v4/v6 TWIN 42/65/102 - SPRINT 65/50	from page 6.47 to page 6.49
DMG MORI	VDI 40	CTX410 V4/V6 - CTX420 V4/V6 - CTX Alpha 300 V4 - CTX Beta 500/800/1250 v4/v6 TWIN 42/65/102 RG2 GMX 250/300/400/500 - SPRINT 65	from page 6.50 to page 6.51
DMG MORI	BMT 40 (NZ)	DURATURN 2050, 2550 (MC) NL/NLX 1500/2000/2500 20STATIONS NT, NTX 1000, 2000 - NRX 2000 NT 3000 / 3100 / 3150 / 3200 NL/NZT 1000/2000/3000/3100/3150/3200 NZ/NZX 1500/2000/2500 LTX310ECO	from page 6.52 to page 6.53
DMG MORI	BMT 60 (NL-NLX)	NLX1500 - 2000 - 2500 - 3000 - 4000 12 STATIONS NL2000 (S)MC - 2500 (S)MC NL3000MC 12 STATIONS NT3250 - 4200 - 4250 - 4300 - 5400 - 4000 - 5000 NLZ 2000/2500 - NZX 2500 12 STATIONS NTX 2000 - 2500 - 3000 - 2ND GEN. 10 STATIONS - (TX2500 BMT60)	from page 6.54 to page 6.56
Goodway		G4/G5 200 - 2600/280 3000/3300 - 3600 - GS2000 - GS3000 - GS4000 SERIES	
DMG MORI	BMT BOLT ON (SL-ZL-DL)	CL200/203 - SL20/25 SL200/203/204/250/253/254(MC,SMC) 2500Y - ZL200(MC) - ZL250(SMC)	from page 6.57 to page 6.59
Cmz		TB1520 - TL20/25 (M/TM/MS) TC15/20/25/30/35 (M/Y/MS/YS) TA15/20/25/30 (M/Y/MS/YS) TD15/20/25/30/35/45/55 (M/Y/MS/YS)	
Goodway		GS200/230/260/280 (M/MS) GA2000/2600/2800/3000/3300/3600 (M)	
DMG MORI	BMT BOLT ON (SL-ZL-DL)	CL200/203 - SL20/25 SL200/203/204/250/253/254 (MC,SDM) 2500Y ZL/DL200/250(MC)	from page 6.60 to page 6.62
Goodway		GS200/260/280 GA2000/2600/2800 GA3000/3300/3600	
HAAS	VDI	SL20 - SL30 - SL40 - ST 10/15/20/25/30/35/40/45 (L) TL15 - TL25	from page 6.63 to page 6.65
	BMT 65	DS30Y - ST-20Y - ST-25Y - ST-30Y - ST-35Y	from page 6.66 to page 6.68

Costruttore Builder Brand	Turretta Turret	Modelli Macchina Lathe or turret Models	Tooling LP05 Pages
	QTN 1 VDI 40	QTN 100/150 M/MS QTN 200/250 (M/MS/MY/MSY) 16 STATIONS SQT 15/18/200/250 (M/MS/MY/MSY) 16 STATIONS - SQT 100 M/MS	from page 6.76 to page 6.77
	QTN 1 BMT	QT NEXUS 100 (M/MS/MY/MSY)	from page 6.69 to page 6.72
	QTN 2 VDI 40	QTN 200/250 (M/MS/MY/MSY) 12 STATIONS SUPER QUADREX 200/250 (M)	from page 6.78 to page 6.80
	QTN 2 BMT	QT NEXUS 200/250 (M/MS/MY/MSY)	from page 6.73 to page 6.75
	QTN 3 VDI 50	QTN 300/350/400/450 (M/MS/MY/MSY) SQT 28/30/300/350/400/450 (M/MS/MY) SLANT TURN NEXUS 500/550 (M) MEGATURN NEXUS 900 (M) HYPER QUADREX 450 (M)	from page 6.81 to page 6.83
	SMART BMT68	QT/OTS 100/150/200/250 (M/MS/MY/MSY) QTC/OTU 100/150/200/250/300 (M/MS/MY/MS/MSY)	from page 6.84 to page 6.86
	NAKAMURA BMT 44	NTJ 100, SC 100 SUPER NTMX SUPER NY3 WT/WY100	from page 6.87 to page 6.89
Muratec		MT 100	
	NAKAMURA BMT 55	AS200 (L-LS) 12/15 STATIONS. NTM3 - NTY3-250 SC150(M) - SC200(MY) - SC-250(M) SuperNTJ - TMC20 II (M/ML) TW10 - TW20 WT20 II (M/Y) - WT150/200 - WT250 WTS150 - WTW150/160 - WT200 II (M,MY) - WY250	from page 6.90 to page 6.92
		TX 52, 66	
	NAKAMURA BMT 55	AS200 - NTM3 - NTY3-250 - SC150 (M) SC200 (MY) - SC250 (M) - Super NTJ TMC20 II (M/ML) - TW10 - TW20 WT-20 II (M/Y) - WT150/200 WT250 - WTS150 - WTW150/160 WT200 II (M, MY) - WY-250	from page 6.93 to page 6.95
		TX52/66 - TTL52 - TTL66 TX52 Y3-Y2 QUATTRO-Y2 TW IN TX66 Y3-Y2 QUATTRO-Y2 TW IN TA15/20/25/30(M/Y/MS/MY/YS) 15 STATIONS	
	NAKAMURA BMT 65	WT300 - SC300 - TW20 TMC200/300 (M) SUPER TW20M (MY/MM/MMY/MMYY) 12 STATIONS TW30M (MY/MM/MMY/MMYY) 16 STATIONS	from page 6.95 to page 6.96
	BMT 60 PLUS	LB3000 EX (M/Y) - LB4000 EX (M/Y) LU4000 EX (M/Y)	from page 6.97 to page 6.99
	OKUMA BMT 60	GENOS L300 (MW/MYW) LB 2000/2500/3000 (EX) LU 2000/2500/3000 (EX) MULTUS U3000/4000 (2SW)	page 6.100
	TSUGAMI BMT 65	M06 M06(SY) M08(D/SD) M08(SY)	from page 6.101 to page 6.104

Novità / News

Portautensili Statici / Static tools



BIGLIA static tools

BMT 55

Pag. 6.21 - 6.26



BMT static tools

BMT 55-65-75-85

Pag. 6.27 - 6.44



DMG MORI static tools

VDI 30-40 / BMT 40-60

Pag. 6.45 - 6.60



NAKAMURA static tools

BMT 55 / BMT 65

Pag. 6.85 - 6.94



OKUMA static tools

BMT 60 PLUS / BMT 60

Pag. 6.95 - 6.98



SLEEVES for boring bar holder

BMT & VDI Static Tools

STATIC TOOLS

Portautensili statici per torrette VDI e BMT !

Static tools for VDI & BMT turrets !

Viene proposta un'ampia gamma di modelli adatti ad attrezzare i torni e le torrette dei maggiori costruttori a livello mondiale, come BIGLIA, BMT, DMG MORI, GOODWAY, HAAS, MAZAK, MIYANO, NAKAMURA, OKUMA, TSUGAMI e VDI DIN69880.

The company proposes a wide range of suitable Driven Tools for equipping the lathes turrets by world leader manufacturers, such as BIGLIA, BMT, DMG MORI, GOODWAY, HAAS, MAZAK, MIYANO, NAKAMURA, OKUMA, TSUGAMI and VDI DIN69880.



Trattamento anti corrosione Anti-corrosion treatment

I Portautensili statici sono costruiti con acciaio rettificato altamente legato e sono sottoposti ad un trattamento anti-corrosione

Static toolholders are produced with certified top quality steel and are subjected to an anti-corrosion treatment

BMT Stelo quadro radiale
BMT radial face and cutting holder



*Maximum precision both for
turning, drilling and boring!*

BMT Portabareno
BMT Boring bar holder



Refrigerante esterno standard
External Coolant standard

Bussole Portabareni Boring bar Sleeves

Le bussole portabareno vengono impiegate su tutte le tipologie di tornio. Possono essere fornite con grani e asole, con battuta, prolungate o ridotte.

The boring bar sleeves are used on all types of lathe. They can be supplied with screw and slot, with collar, extended or reduced.



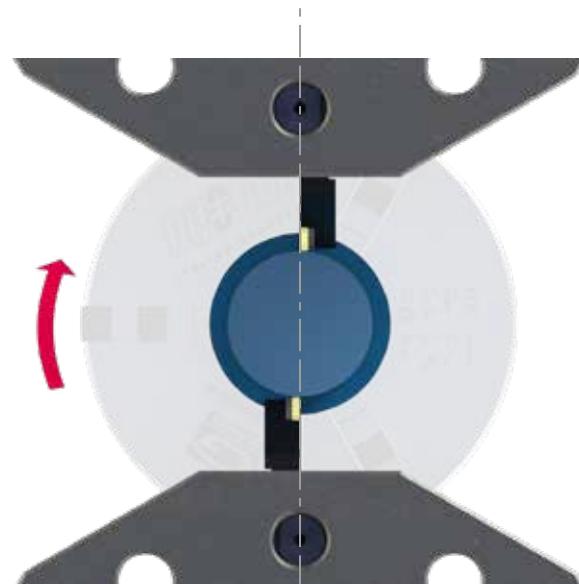
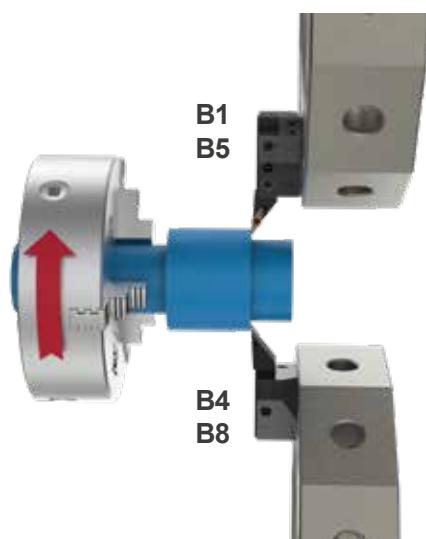
VDI B2 Portautensile radiale Sinistro
VDI B2 Left radial holder



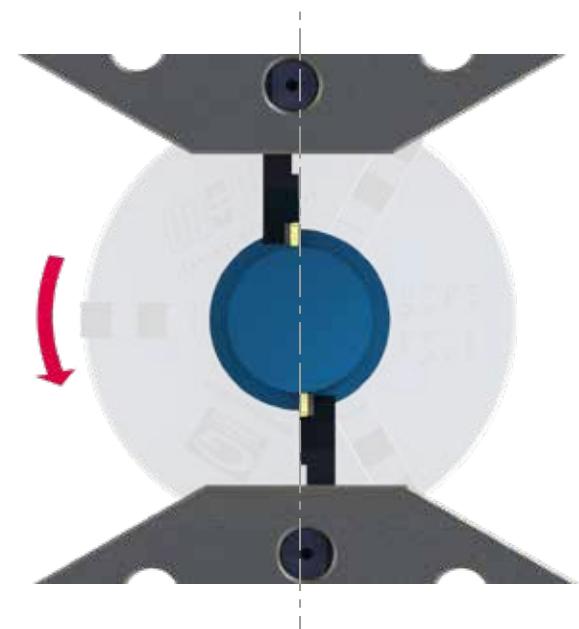
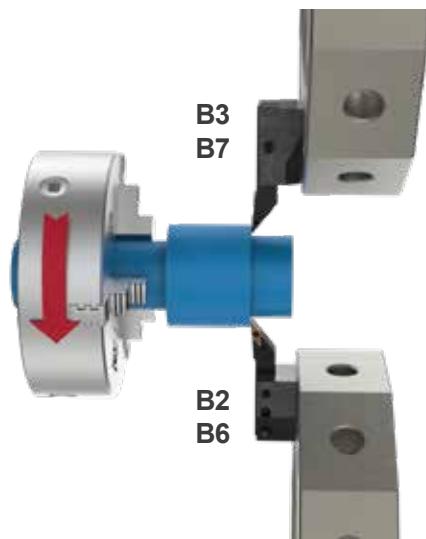
VDI E2 Portabareno
VDI E2 Boring bar holder

UTILIZZO DI PORTAUTENSILI STATICI RADIALI USE OF RADIAL STATIC TOOL HOLDERS

Con rotazione oraria del mandrino - With clockwise spindle rotation

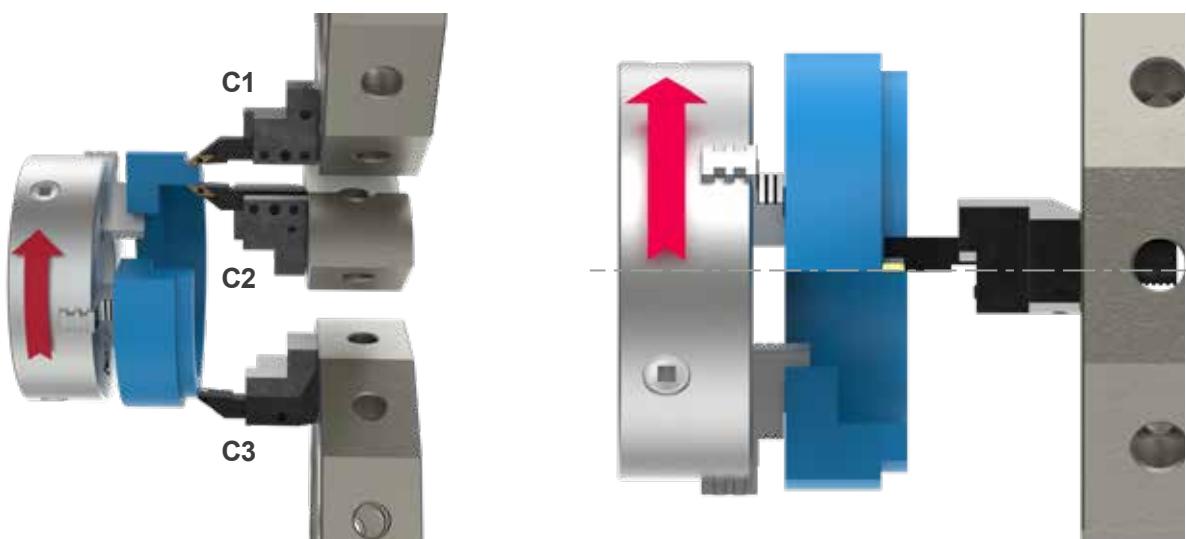


Con rotazione antioraria del mandrino - With counter-clockwise spindle rotation

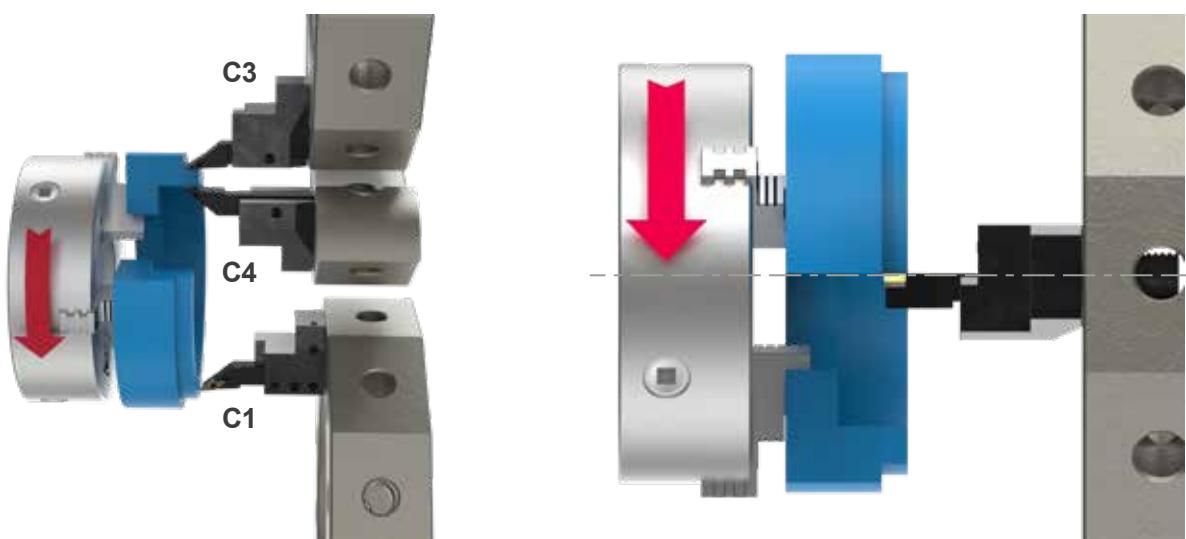


UTILIZZO DI PORTAUTENSILI STATICI ASSIALI USE OF AXIAL STATIC TOOL HOLDERS

Con rotazione oraria del mandrino - With clockwise spindle rotation



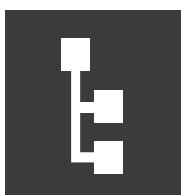
Con rotazione antioraria del mandrino - With counter-clockwise spindle rotation



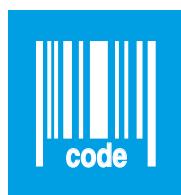


PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



by configurator

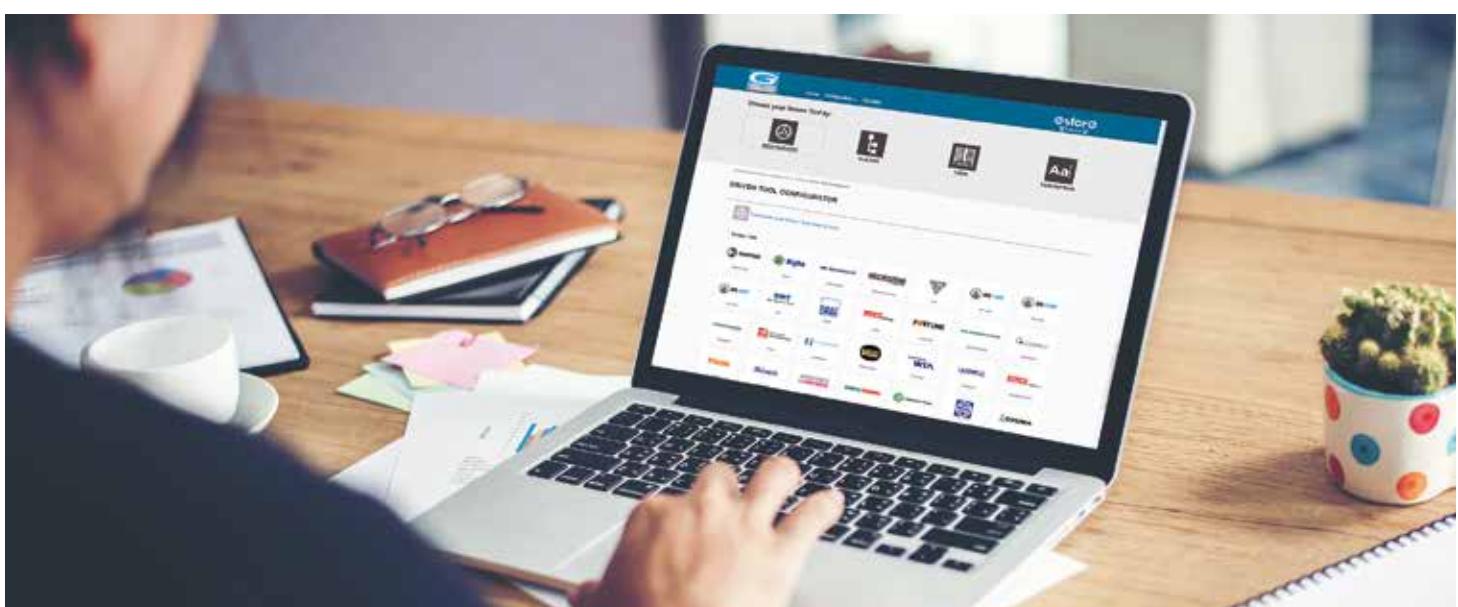
Un nuovo modo facile e veloce per ordinare la tua attrezzatura Gerardi

Il nuovo Gerardi estore offre la possibilità di visualizzare e ordinare qualsiasi articolo Gerardi appartenente alle categorie Workholding o Tooling presente sui nostri listini in modo semplice, veloce e completo. Da ora puoi ordinare la morsa, la testa angolare o il motorizzato che ti interessa direttamente on-line dal nostro estore senza costi aggiuntivi.

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WINDOWS / IOS



ANDROID / IPHONE





Code	Code
T.E1-30x25	T.E1-50X32
T.E1-30x32	T.E1-50X40
T.E1-30x40	T.E1-50X50
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T.E1-40x32	T.E1-60X32
T.E1-40x40	T.E1-60X40
T.E1-40x50	T.E1-60X50
T.E1-50X25	



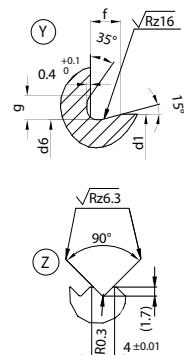
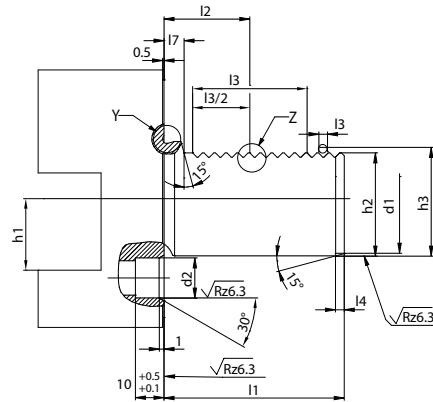
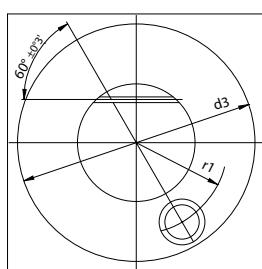
Code	Code
T.E2-30x25	T.E2-40X40
T.E2-30x32	T.E2-40X50
T.E2-30x40	T.E2-50X25
T.E2-40X25	T.E2-50X32
T.E2-40X30	T.E2-50X40
T.E2-40X32	T.E2-50X50



Ød	Code	Ød	Code
Ø8	T.B.VSA.2508	Ø8	T.B.VSA.4008
Ø10	T.B.VSA.2510	Ø10	T.B.VSA.4010
Ø12	T.B.VSA.2512	Ø12	T.B.VSA.4012
Ø8	T.B.VSA.3208	Ø16	T.B.VSA.4016
Ø10	T.B.VSA.3210	Ø20	T.B.VSA.4020
Ø12	T.B.VSA.3212	Ø16	T.B.VSA.5016
Ø16	T.B.VSA.3216	Ø20	T.B.VSA.5020

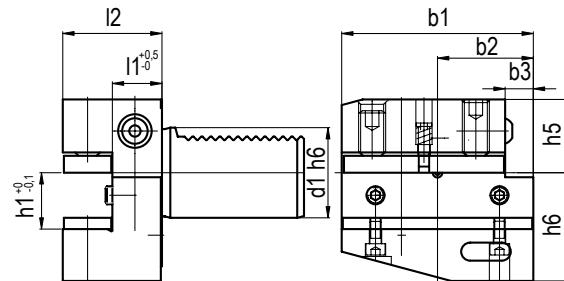
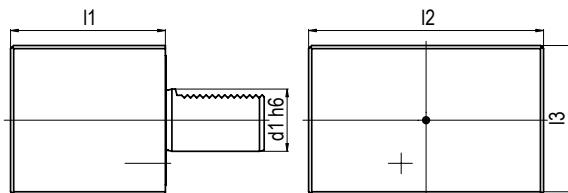
Ød	Code	Ød	Code
Ø16	T.B.VSB.2516	Ø32	T.B.VSB.4032
Ø20	T.B.VSB.2520	Ø25	T.B.VSB.5025
Ø20	T.B.VSB.3220	Ø32	T.B.VSB.5032
Ø25	T.B.VSB.3225	Ø40	T.B.VSB.5040
Ø25	T.B.VSB.4025		

Ød	Code	Ød	Code
MT1	T.B.VSC.25MT1	MT3	T.B.VSC.40MT3
MT1	T.B.VSC.32MT1	MT1	T.B.VSC.50MT1
MT2	T.B.VSC.32MT2	MT2	T.B.VSC.50MT2
MT1	T.B.VSC.40MT1	MT3	T.B.VSC.50MT3
MT2	T.B.VSC.40MT2		



d1 h6	I1 ±0,3	d2	d3	d6_0,1	f	g	h1 max.	h2 ±0,1	h3 ±0,1	I2 ±0,05	I3 min.	I4 +1	I7	r1 ±0,02	o-ring
16	32	8 H6	40	15,4	2,0	1,7	12	15	16,92	12,7	16	2	3,5	14,5	15 x 1,5
20	40	10 H6	50	19,1	2,4	2	16	18	19,92	21,7	24	2	7	18	18,77 x 1,78
25	48	10 H6	58	24,1	2,4	2	16	23,5	25,42	21,7	24	2	7	21	23,52 x 1,78
30	55	14 H8	68	29,1	2,4	2	20	27	28,92	29,7	40	2	7	25	28,3 x 1,78
40	63	14 H8	83	38,7	3,7	2,8	25	36	37,92	29,7	40	3	7	32	37,77 x 2,62
50	78	16 H8	98	48,7	3,7	2,8	32	45	46,92	35,7	48	3	8	37	47,29 x 2,62
60	94	16 H8	123	58,7	4,3	3,7	32	55	56,92	43,7	56	4	10	48	56,74 x 3,53
80	124	20 H8	158	78,7	4,3	3,7	40	72	73,92	59,7	80	4	10	65	75,79 x 3,53

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

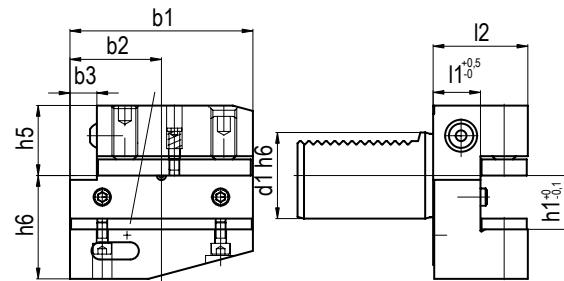
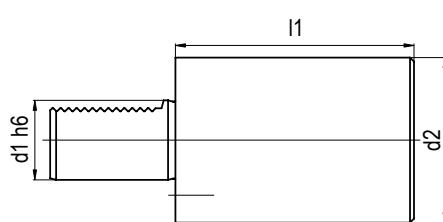
VDI
DIN 69880


		TIPO - TYPE VDI A1			REFRIGERANTE COOLANT	
		Semilavorato rettangolare Rectangular Blank			Esterno External	

Code	d1	I1	I2	I3	
T.A1-30x85	30	85	130	76	
T.A1-40x100	40	100	151	96	
T.A1-50x125	50	125	160	120	
T.A1-60x160	60	160	165	125	

		TIPO - TYPE VDI B1			REFRIGERANTE COOLANT	
		Portautensile radiale destro Right radial holder			Esterno External	

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B1-30x20x40	30	70	35	10	20/16	28	38	22	40	
T.B1-40x25x44	40	85	42,5	12,5	25/20	32,5	48	22	44	
T.B1-50x32x55	50	100	50	16	32/25	35	60	30	55	
T.B1-60x32x60	60	125	62,5	16	32/25	42,5	62,5	30	60	



		TIPO - TYPE VDI A2			REFRIGERANTE COOLANT	
		Semilavorato rotondo Round Blank			Esterno External	

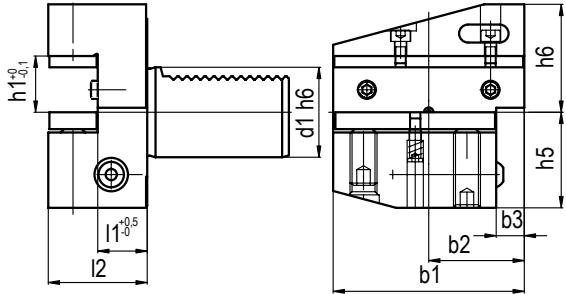
Code	d1	I1	d2	
T.A2-30x100	30	100	68	
T.A2-40x120	40	120	88	
T.A2-50x135	50	135	98	
T.A2-50x400	50	400	98	
T.A2-60x150	60	150	123	

		TIPO - TYPE VDI B2			REFRIGERANTE COOLANT	
		Portautensile radiale sinistro Left radial holder			Esterno External	

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B2-30x20x40	30	70	35	10	20/16	28	38	22	40	
T.B2-40x25x44	40	85	42,5	12,5	25/20	32,5	48	22	44	
T.B2-50x32x55	50	100	50	16	32/25	35	60	30	55	
T.B2-60x32x60	60	125	62,5	16	32/25	42,5	62,5	30	60	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI
DIN 69880



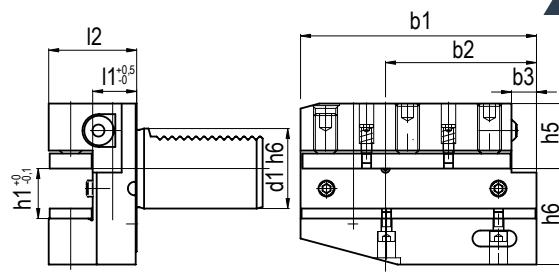
TIPO - TYPE VDI B3



REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B3-30x20x40	30	70	35	10	20/16	35	38	22	40	
T.B3-40x25x44	40	85	42,5	12,5	25/20	42,5	48	22	44	
T.B3-50x32x55	50	100	50	16	32/25	50	60	30	55	
T.B3-60x32x60	60	125	62,5	16	32/25	62,5	62,5	30	60	



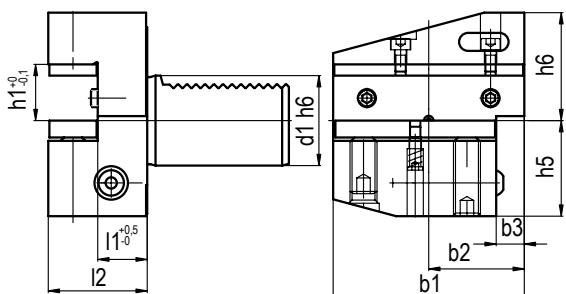
TIPO - TYPE VDI B5



REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B5-30x20x40	30	100	65	10	20/16	28	38	22	40	
T.B5-40x25x44	40	118	75,5	12,5	25/20	32,5	48	22	44	
T.B5-50x32x55	50	130	80	16	32/25	35	60	30	55	
T.B5-60x32x60	60	145	82,5	16	32/25	42,5	62,5	30	60	



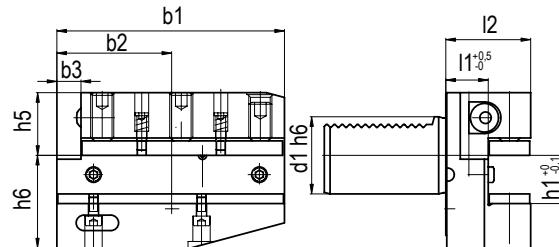
TIPO - TYPE VDI B4



REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B4-30x20x40	30	70	35	10	20/16	35	38	22	40	
T.B4-40x25x44	40	85	42,5	12,5	25/20	42,5	48	22	44	
T.B4-50x32x55	50	100	50	16	32/25	50	60	30	55	
T.B4-60x32x60	60	125	62,5	16	32/25	62,5	62,5	30	60	



TIPO - TYPE VDI B6

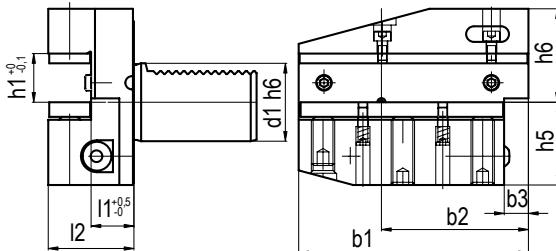


REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B6-30x20x40	30	100	65	10	20/16	28	38	22	40	
T.B6-40x25x44	40	118	75,5	12,5	25/20	32,5	48	22	44	
T.B6-50x32x55	50	130	80	16	32/25	35	60	30	55	
T.B6-60x32x60	60	145	82,5	16	32/25	42,5	62,5	30	60	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI
 DIN 69880


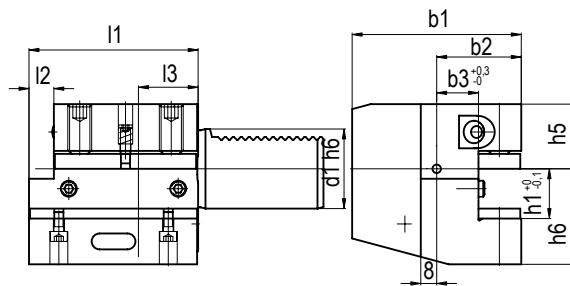
TIPO - TYPE VDI B7

Rovesciato lungo destro
Right long upside down radial

REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B7-30x20x40	30	100	65	10	20/16	35	38	22	40	
T.B7-40x25x44	40	118	75,5	12,5	25/20	42,5	48	22	44	
T.B7-50x32x55	50	130	80	16	32/25	50	60	30	55	
T.B7-60x32x60	60	145	82,5	16	32/25	62,5	62,5	30	60	



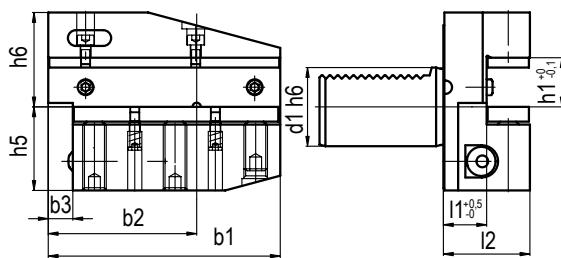
TIPO - TYPE VDI C1

Assiale destro
Right axial holder

REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.C1-30x20x70	30	70	35	17	20/16	28	38	70	10	30	
T.C1-40x25x85	40	85	42,5	21	25/20	32,5	48	85	12,5	30	
T.C1-50x32x100	50	100	50	26	32/25	35	60	100	16	40	
T.C1-60x32x125	60	125	62,5	33	32/25	42,5	62,5	125	16	40	



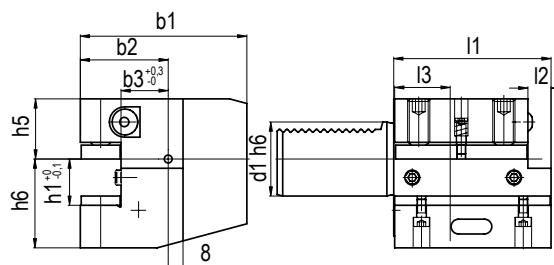
TIPO - TYPE VDI B8

Rovesciato lungo sinistro
Left long upside down radial

REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B8-30x20x40	30	100	65	10	20/16	35	38	22	40	
T.B8-40x25x44	40	118	75,5	12,5	25/20	42,5	48	22	44	
T.B8-50x32x55	50	130	80	16	32/25	50	60	30	55	
T.B8-60x32x60	60	145	82,5	16	32/25	62,5	62,5	30	60	



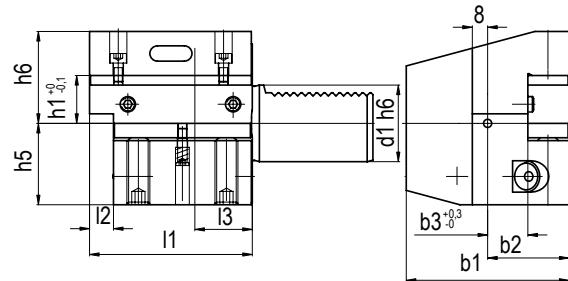
TIPO - TYPE VDI C2

Assiale sinistro
Left axial holder

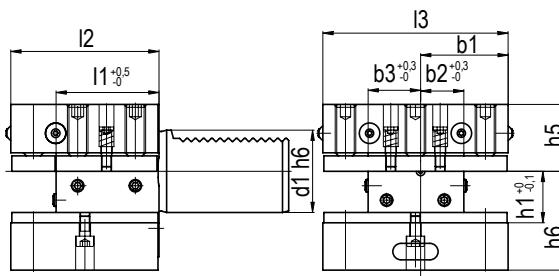
REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.C2-30x20x70	30	70	35	17	20/16	28	38	70	10	30	
T.C2-40x25x85	40	85	42,5	21	25/20	32,5	48	85	12,5	30	
T.C2-50x32x100	50	100	50	26	32/25	35	60	100	16	40	
T.C2-60x32x125	60	125	62,5	33	32/25	42,5	62,5	125	16	40	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES


TIPO - TYPE VDI C3

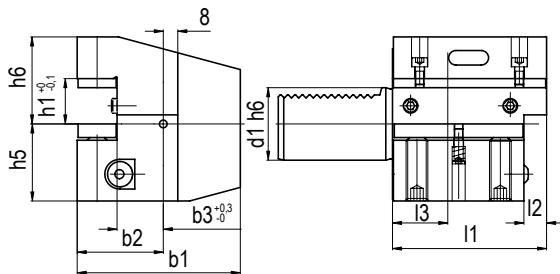
Assiale rovesciato destro
DH upside down axial holderREFRIGERANTE
COOLANTEsterno
External

TIPO - TYPE VDI D1

A sedi multiple
With multiple seatsREFRIGERANTE
COOLANTEsterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.C3-30x20x70	30	70	35	17	20/16	35	38	70	10	30	
T.C3-40x25x85	40	85	42,5	21	25/20	42,5	48	85	12,5	30	
T.C3-50x32x100	50	100	50	26	32/25	50	60	100	16	40	
T.C3-60x32x125	60	125	62,5	33	32/25	62,5	62,5	125	16	40	

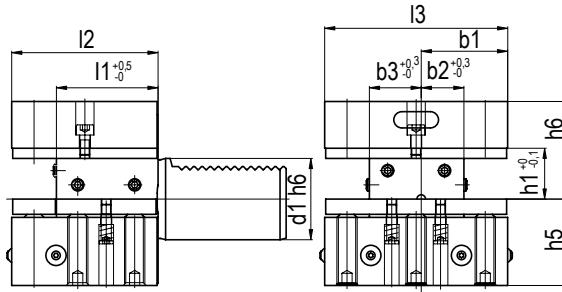
Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.D1-30x20x60	30	35	17	23	20/16	28	38	42	60	76	
T.D1-40x25x72	40	42,5	21	25,5	25/20	32,5	48	50	72	90	
T.D1-50x32x85	50	50	26	30,5	32/25	35	60	60	85	105	
T.D1-60x32x110	60	57,5	33	33	32/25	42,5	62,5	85	110	115	



TIPO - TYPE VDI C4

Assiale rovesciato sinistro
SH upside-down axial holderREFRIGERANTE
COOLANTEsterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.C4-30x20x70	30	70	35	17	20/16	28	38	70	10	30	
T.C4-40x25x85	40	85	42,5	21	25/20	32,5	48	85	12,5	30	
T.C4-50x32x100	50	100	50	26	32/25	35	60	100	16	40	
T.C4-60x32x125	60	125	62,5	33	32/25	42,5	62,5	125	16	40	

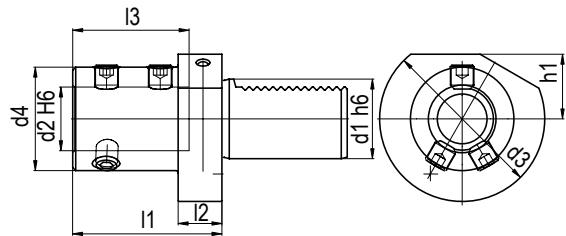


TIPO - TYPE VDI D2

Rovesciato con sedi multiple
Upside down with multiple seatsREFRIGERANTE
COOLANTEsterno
External

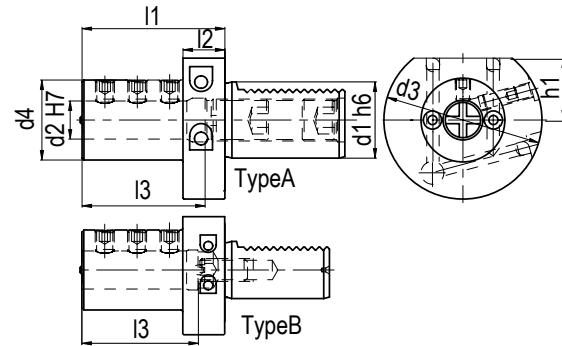
Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.D2-30x20x60	30	35	17	23	20/16	35	38	42	60	76	
T.D2-40x25x72	40	42,5	21	25,5	25/20	42,5	48	50	72	90	
T.D2-50x32x85	50	50	26	30,5	32/25	50	60	60	85	105	
T.D2-60x32x110	60	57,5	33	33	32/25	62,5	62,5	85	110	115	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI
 DIN 69880

TIPO - TYPE VDI E1
 Per punte ad inserti
 For indexable insert drill

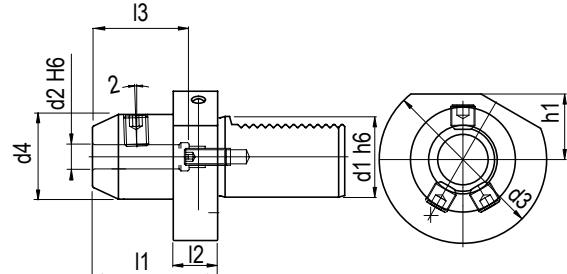
 REFRIGERANTE
 COOLANT
 Interno
 Internal

Code	d1	d2	d3	d4	h1	I1	I2	I3	
T.E1-30x16	30	16	68	36	28	67	22	54	
T.E1-30x20	30	20	68	40	28	67	22	54	
T.E1-30x25	30	25	68	45	28	71	22	58	
T.E1-30x32	30	32	68	52	28	75	22	61	
T.E1-30x40	30	40	68	65	28	90	22	72	
T.E1-40x16	40	16	83	36	32,5	67	22	54	
T.E1-40x20	40	20	83	40	32,5	67	22	54	
T.E1-40x25	40	25	83	45	32,5	75	22	59	
T.E1-40x32	40	32	83	52	32,5	75	22	61	
T.E1-40x40	40	40	83	65	32,5	90	22	73	
T.E1-40x50	40	50	83	70	32,5	100	22	83	
T.E1-50X16	50	16	98	36	35	80	30	54	
T.E1-50X20	50	20	98	40	35	80	30	54	
T.E1-50X25	50	25	98	45	35	80	30	59	
T.E1-50X32	50	32	98	52	35	80	30	63	
T.E1-50X40	50	40	98	65	35	90	30	73	
T.E1-50X50	50	50	98	75	35	100	30	83	
T.E1-60x16	60	16	123	36	42,5	80	30	54	
T.E1-60x20	60	20	123	40	42,5	80	30	54	
T.E1-60x25	60	25	123	45	42,5	80	30	59	
T.E1-60x32	60	32	123	52	42,5	80	30	63	
T.E1-60x40	60	40	123	65	42,5	90	30	73	
T.E1-60x50	60	50	123	75	42,5	100	30	83	


TIPO - TYPE VDI E2
 Portabareno
 Boaring bar holder

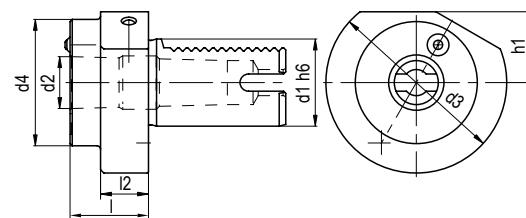
 REFRIGERANTE
 COOLANT
 Esterno & Interno
 External & Internal

Code	d1	d2	d3	d4	h1	I1	I2	I3	T	
T.E2-30x06	30	6	68	55	28	60	22	43	A	
T.E2-30x08	30	8	68	55	28	60	22	43	A	
T.E2-30x10	30	10	68	55	28	60	22	43	A	
T.E2-30x12	30	12	68	55	28	60	22	43	A	
T.E2-30x16	30	16	68	55	28	60	22	55	A	
T.E2-30x20	30	20	68	55	28	60	22	54	B	
T.E2-30x25	30	25	68	55	28	60	22	61	B	
T.E2-30x32	30	32	68	67	28	75	22	66	B	
T.E2-30x40	30	40	68	67	28	75	22	43	B	
T.E2-40x06	40	6	83	55	32,5	75	22	43	A	
T.E2-40x08	40	8	83	55	32,5	75	22	43	A	
T.E2-40x10	40	10	83	55	32,5	75	22	54	A	
T.E2-40x12	40	12	83	55	32,5	75	22	58	A	
T.E2-40X16	40	16	83	55	32,5	75	22	61	A	
T.E2-40X20	40	20	83	55	32,5	75	22	61	A	
T.E2-40X25	40	25	83	55	32,5	75	22	61	B	
T.E2-40X30	40	30	83	82	32,5	75	22	61	B	
T.E2-40X32	40	32	83	82	32,5	75	22	61	B	
T.E2-40X40	40	40	83	82	32,5	90	22	76	B	
T.E2-40X50	40	50	98	98	35	100	-	86	B	
T.E2-50X08	50	8	98	68	35	90	30	-	A	
T.E2-50X12	50	12	98	68	35	90	30	71	A	
T.E2-50X16	50	16	98	68	35	90	30	76	A	
T.E2-50X20	50	20	98	68	35	90	30	76	A	
T.E2-50X25	50	25	98	68	35	90	30	76	A	
T.E2-50X32	50	32	98	69	35	90	30	76	B	
T.E2-50X40	50	40	98	98	35	90	-	76	B	
T.E2-50X50	50	50	98	98	35	100	-	86	B	
T.E2-60X16	60	16	123	68	42,5	90	30	76	A	
T.E2-60X20	60	20	123	68	42,5	90	30	76	A	
T.E2-60X25	60	25	123	68	42,5	90	30	76	A	
T.E2-60X32	60	32	123	68	42,5	90	30	76	A	
T.E2-60X40	60	40	123	98	42,5	90	30	76	B	
T.E2-60X50	60	50	123	98	42,5	100	30	86	B	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

TIPO - TYPE VDI E1 WN
Whistle notch
Whistle notch holder

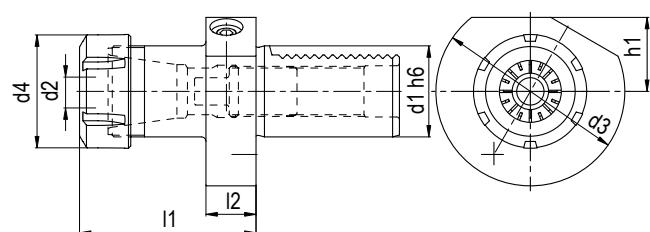
REFRIGERANTE
COOLANT
Esterno
External

Code	d1	d2	d3	d4	h1	I1	I2	I3	
T.E1-30x06WN	30	6	68	25	28	50	22	36	
T.E1-30x08WN	30	8	68	28	28	50	22	36	
T.E1-30x10WN	30	10	68	35	28	54	22	40	
T.E1-30x12WN	30	12	68	42	28	59	22	45	
T.E1-40x10WN	40	10	83	35	54	54	22	40	
T.E1-40x12WN	40	12	83	42	58	58	22	45	


TIPO - TYPE VDI F
Portautensili cono morse
Vise taper holder

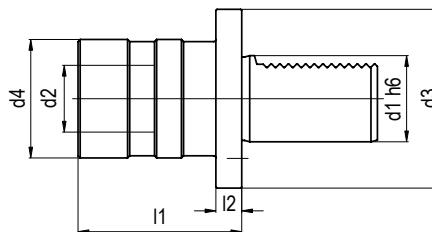
REFRIGERANTE
COOLANT
Esterno
External

Code	d1	d2	d3	MK	d4	h1	I1	I2	
T.VDI 30 MT1	30	12.065	68	1	-	28	27	-	
T.VDI 30 MT2	30	17.780	68	2	55	28	36	27	
T.VDI 30 MT3	30	23.825	68	3	55	28	66	41	
T.VDI 40 MT1	40	12.065	83	1	55	32,5	23	22	
T.VDI 40 MT2	40	17.780	83	2	55	32,5	36	22	
T.VDI 40 MT3	40	23.825	83	3	58	32,5	36	22	
T.VDI 40 MT4	40	31.267	83	4	68	32,5	80	22	
T.VDI 50 MT2	50	17.780	98	2	55	35	36	30	
T.VDI 50 MT3	50	23.825	98	3	58	35	45	30	
T.VDI 50 MT4	50	31.267	98	4	68	35	55	30	
T.VDI 50 MT5	50	44.399	98	5	75	35	72	30	
T.VDI 60 MT2	60	17.780	123	2	104	42,5	36	30	
T.VDI 60 MT3	60	23.825	123	3	104	42,5	36	30	
T.VDI 60 MT4	60	31.267	123	4	104	42,5	50	30	


TIPO - TYPE VDI E4 - DIN6499
Portapinze ER
Collet chuck for ER collets

REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

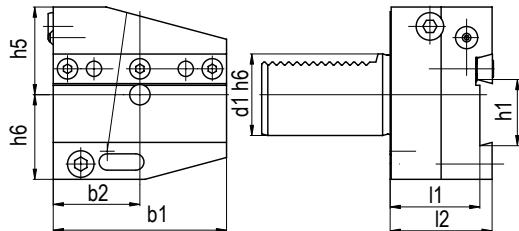
Code	Description	d1	d2	d3	d4	h1	I1	I2	
T.E4-3016	VDI30 - ER16	30	1-10	68	32	28	48	22	
T.E4-3025	VDI30 - ER25	30	2-16	68	42	28	57	22	
T.E4-3032	VDI30 - ER32	30	2-20	68	50	28	78	22	
T.E4-3040	VDI30 - ER40	30	3-30	68	63	28	80	22	
T.E4-4025	VDI40 - ER25	40	2-16	83	42	32,5	57	22	
T.E4-4032	VDI40 - ER32	40	2-20	83	50	32,5	78	22	
T.E4-4040	VDI40 - ER40	40	3-30	83	63	32,5	80	22	
T.E4-5025	VDI50 - ER25	50	2-16	98	50	35	57	30	
T.E4-5032	VDI50 - ER32	50	2-20	98	50	35	92	30	
T.E4-5040	VDI50 - ER40	50	3-30	98	63	35	80	30	
T.E4-6032	VDI60 - ER32	60	2-20	123	50	42,5	78	30	
T.E4-6040	VDI60 - ER40	60	3-30	123	63	42,5	80	30	


TIPO - TYPE VDI M
Maschiatore doppia compensazione
Tension and compression tapping head

REFRIGERANTE
COOLANT
Esterno
External

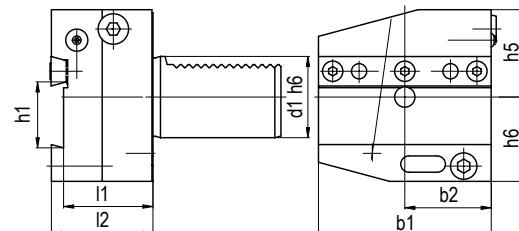
Code	d1	Size Ext. Pres.	d2	d3	d4	I1	I2		
T.VDI 30G1 M3-M12	30	1	9	9	19	68	38	55	12
T.VDI 30G2 M6-M20	30	2	15	15	31	68	55	77	12
T.VDI 40G1 M3-M12	40	1	9	9	19	83	38	55	12
T.VDI 40G2 M6-M20	40	2	15	15	31	83	55	77	12
T.VDI 40G3 M14-M33	40	3	24	24	48	83	79	110	12
T.VDI 50G3 M14-M33	50	3	24	24	48	98	79	110	12

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

VDI
 DIN 69880

TIPO - TYPE VDI AL
 Portalama sinistro
 Left cut off holder

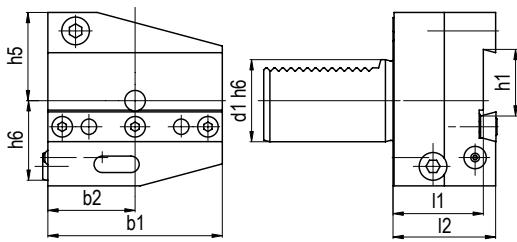
 REFRIGERANTE
 COOLANT
 Esterno
 External

Code	d1	b1	b2	h1	h5	h6	I1	I2	
T.AL-3026	30	70	35	26	32	39	44	50	
T.AL-3032	30	70	35	32	32	39	44	50	
T.AL-4026	40	85	42,5	26	43	41,5	44	50	
T.AL-4032	40	85	42,5	32	43	41,5	44	50	


TIPO - TYPE VDI AR
 Portalama destro
 Right cut off tool holder

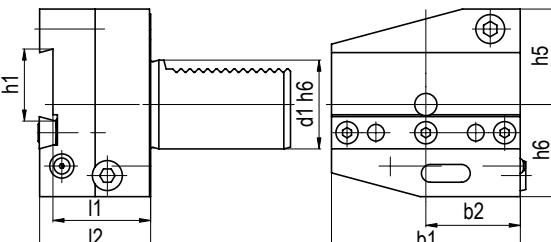
 REFRIGERANTE
 COOLANT
 Esterno
 External

Code	d1	b1	b2	h1	h5	h6	I1	I2	
T.AR-3026	30	70	35	26	32	39	44	50	
T.AR-3032	30	70	35	32	32	39	44	50	
T.AR-4026	40	85	42,5	26	43	41,5	44	50	
T.AR-4032	40	85	42,5	32	43	41,5	44	50	
T.AR-5026	50	100	50	26	43	45	44	50	
T.AR-5032	50	100	50	32	43	45	44	50	
T.AR-6032	60	125	62,5	32	48	55	44	50	


TIPO - TYPE VDI ALU
 Portalama rovesciato sinistro
 SH upside-down cut of holder

 REFRIGERANTE
 COOLANT
 Esterno
 External

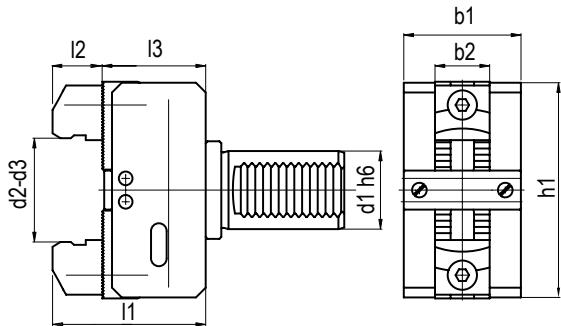
Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.ALU-3026	30	70	35	26	26	38	35	44	50	
T.ALU-3032	30	70	35	32	26	38	35	44	50	
T.ALU-4026	40	85	42,5	26	32	43	41,5	44	50	
T.ALU-4032	40	85	42,5	32	32	43	41,5	44	50	
T.ALU-5026	50	100	50	26	26	43	45	44	50	
T.ALU-5032	50	100	50	32	32	43	45	44	50	


TIPO - TYPE VDI ARU
 Portalama rovesciato destro
 RH upside-down cut of holder

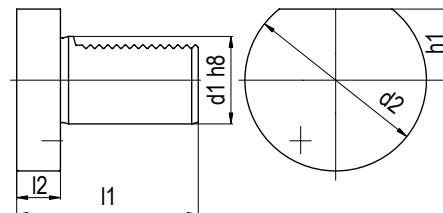
 REFRIGERANTE
 COOLANT
 Esterno
 External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.ARU-3026	30	70	35	26	26	38	35	44	50	
T.ARU-3032	30	70	35	32	26	38	35	44	50	
T.ARU-4026	40	85	42,5	26	32	43	41,5	44	50	
T.ARU-4032	40	85	42,5	32	32	43	41,5	44	50	
T.ARU-5026	50	100	50	26	26	43	45	44	50	
T.ARU-5032	50	100	50	32	32	43	45	44	50	

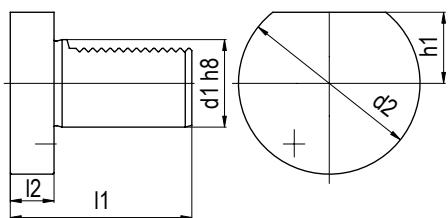
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

VDI
DIN 69880

TIPO - TYPE HK
Stringibarra
Bar puller

Code	d1	d2	b1	b2	h1	l1	l2	l3	
T.VDI25D8	25	8-60	50	28	72	84	16	51	
T.VDI30D8	30	8-60	50	28	72	92	16	59	
T.VDI40D8	40	8-66	60	28	110	94	16	61	
T.VDI50D8	50	8-75	65	28	130	114	16	81	


TIPO - TYPE VDI Z2
Tappi acciaio
Steel turret caps

Code	d1	d2	h1	l1	l2	
T.VDI 30 - AC	30	68	28	71	16	
T.VDI 40 - AC	40	83	32,5	83	20	
T.VDI 50 - AC	50	98	35	98	20	
T.VDI 60 - AC	60	123	42,5	114	20	


TIPO - TYPE VDI Z2
Tappi plastica
Plastic turret caps

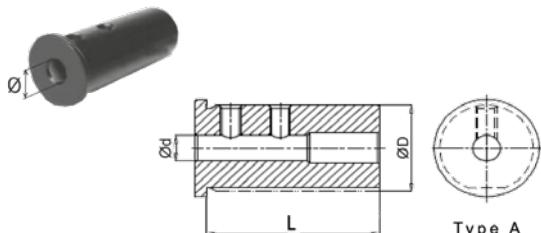
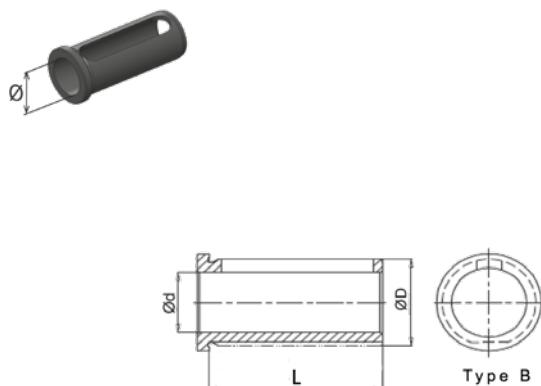
Code	d1	d2	h1	l1	l2	
T.VDI 30 - PL	30	68	28	71	16	
T.VDI 40 - PL	40	83	32,5	83	20	
T.VDI 50 - PL	50	98	35	98	20	
T.VDI 60 - PL	60	123	42,5	114	20	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

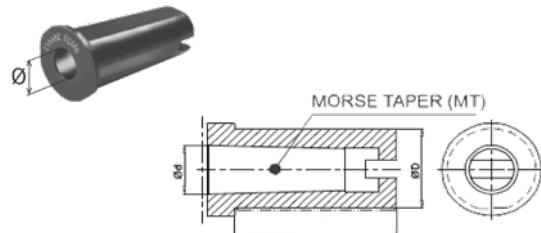
VDI
 DIN 69880

BUSSOLE DI RIDUZONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

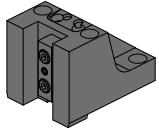
Battuta con grani / Collar and set-screws

Bloccaggio con asola e grano \ Clamping with slot and set-screw


Code	ØD	Ød	L	Type
T.B.VSA.2508	25	8	50	A
T.B.VSA.2510	25	10	50	A
T.B.VSA.2512	25	12	50	A
T.B.VSB.2516	25	16	50	B
T.B.VSB.2520	25	20	50	B
T.B.VSA.3208	32	8	59	A
T.B.VSA.3210	32	10	59	A
T.B.VSA.3212	32	12	59	A
T.B.VSA.3216	32	16	59	A
T.B.VSB.3220	32	20	59	B
T.B.VSB.3225	32	25	59	B
T.B.VSA.4008	40	8	69	A
T.B.VSA.4010	40	10	69	A
T.B.VSA.4012	40	12	69	A
T.B.VSA.4016	40	16	69	A
T.B.VSA.4020	40	20	69	A
T.B.VSB.4025	40	25	69	B
T.B.VSB.4032	40	32	69	B
T.B.VSA.5016	50	16	80	A
T.B.VSA.5020	50	20	80	A
T.B.VSB.5025	50	25	80	B
T.B.VSB.5032	50	32	80	B
T.B.VSB.5040	50	40	80	B

Bloccaggio con asola e grano \ Clamping with slot and set-screw


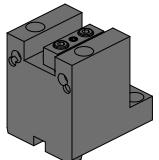
Code	ØD	Ød	L	Type
T.B.VSC.25MT1	25	MT1	58	C
T.B.VSC.32MT1	32	MT1	57	C
T.B.VSC.32MT2	32	MT2	70	C
T.B.VSC.40MT1	40	MT1	78	C
T.B.VSC.40MT2	40	MT2	78	C
T.B.VSC.40MT3	40	MT3	79	C
T.B.VSC.50MT2	50	MT2	89	C
T.B.VSC.50MT3	50	MT3	89	C
T.B.VSC.50MT4	50	MT4	92	C

BMT 55



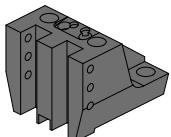
Code

T.BG.B55C12020K
T.BG.B55C12525K



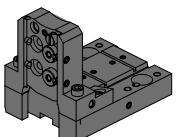
Code

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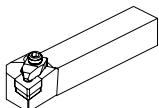
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T.BG.B55C1D2020K

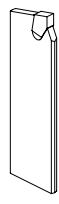


Code

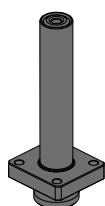
T.BG.B55H12600K
T.BG.B55H13200K



20x20mm



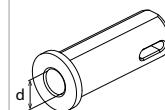
26 mm
32 mm



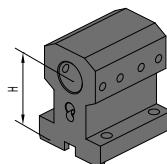
Code

T.BG.B55CP40220K

BMT55 Ø32

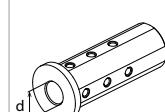


Ød	Code
Ø32	T.B.F32.MT1
Ø32	T.B.F32.MT2

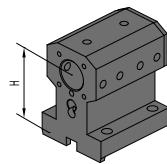


Code

T.BG.B55BB3280K
T.BG.B55BB32100K

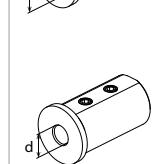


Ød	Code
Ø8	T.B.A3208G
Ø10	T.B.A3210G
Ø12	T.B.A3212G
Ø16	T.B.A3216G
Ø20	T.B.A3220G

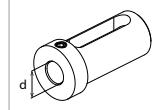


Code

T.BG.B55BBC3280K
T.BG.B55BBC32100K

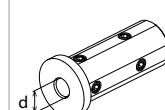


Ød	Code
Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K

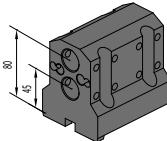


Ød	Code
Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K

BMT55 Ø25

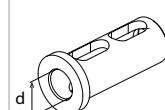


Ød	Code
Ø6	T.B.A2506G
Ø8	T.B.A2508G
Ø10	T.B.A2510G
Ø12	T.B.A2512G

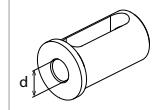


Code

T.BG.B55BBD25K



Ød	Code
Ø16	T.B.B2516G

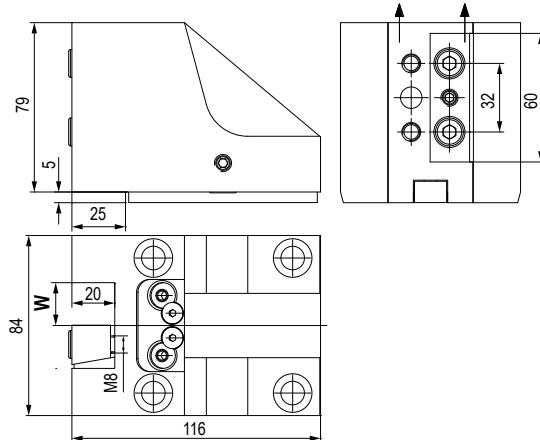
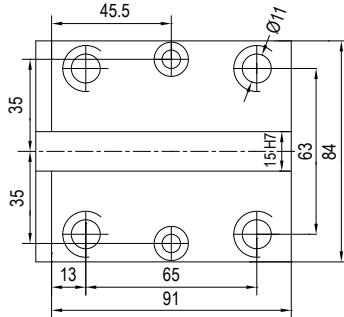


Ød	Code
Ø8	T.B.C2508K
Ø10	T.B.C2510K
Ø12	T.B.C2512K

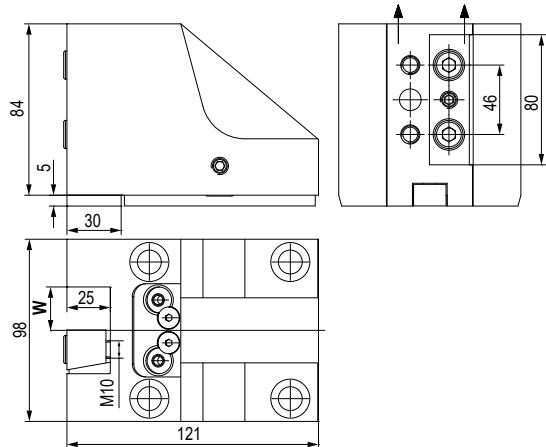
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

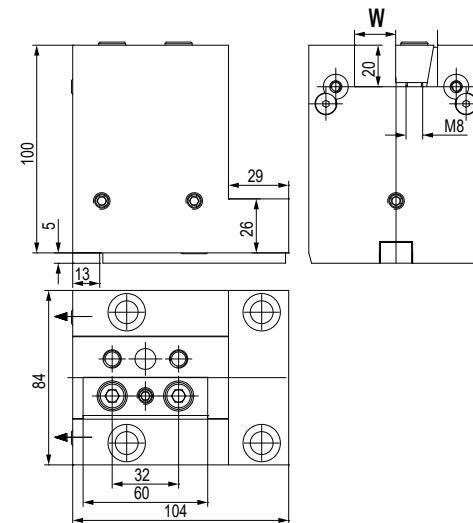
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
55**
ATTACCO / COUPLING

MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **BMT55:** B301 / 445 / 455 / 470 / 501 (Y-S) / 510 / 545 / 550 / 565 / 650 / 658
1200 / 446 / 465 / 745 / 765 / B750 / 1250 16 STATIONS



Code	W	
T.BG.B55C12525K	25	

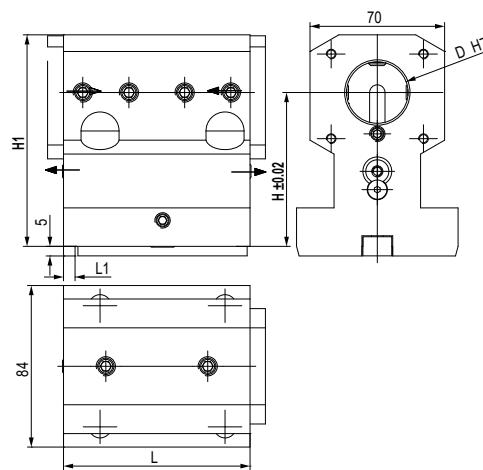
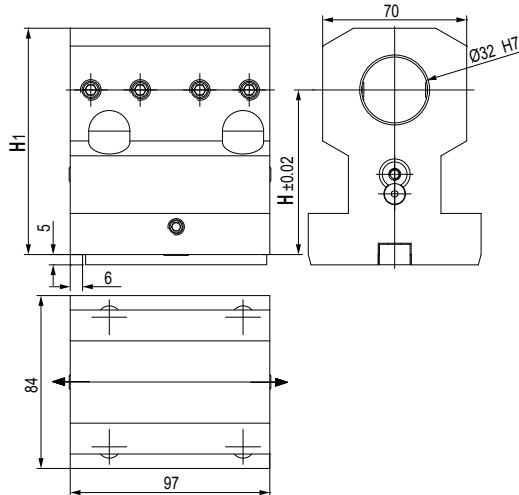
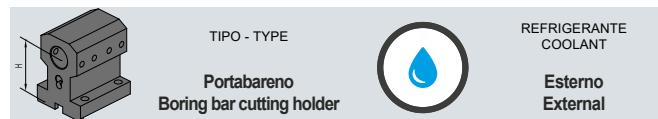


Code	W	
T.BG.B55B12020K	20	

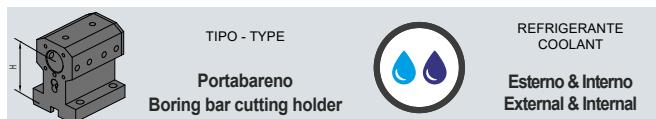
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

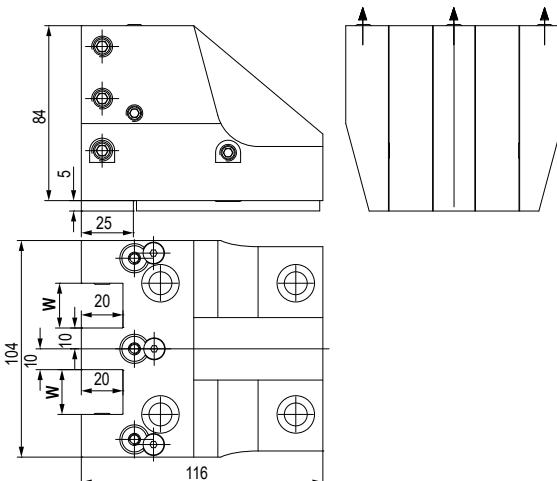
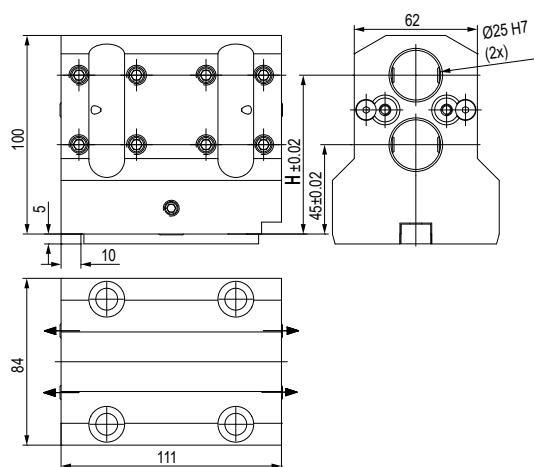
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7


**BMT
55**


Code	Θ	H	H1	
T.BG.B55BB3280K	32	80	110	
T.BG.B55BB32100K	32	100	130	



Code	Θ	H	H1	
T.BG.B55BBC3280K	32	80	110	
T.BG.B55BBC32100K	32	100	130	


6


Code	Θ	H	
T.BG.B55BBD25K	25	80	

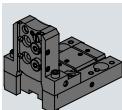
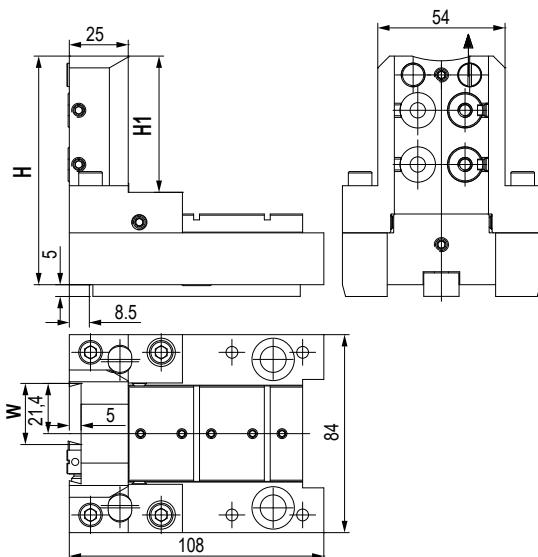


Code	W	
T.BG.B55C1D2020K	20	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

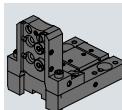
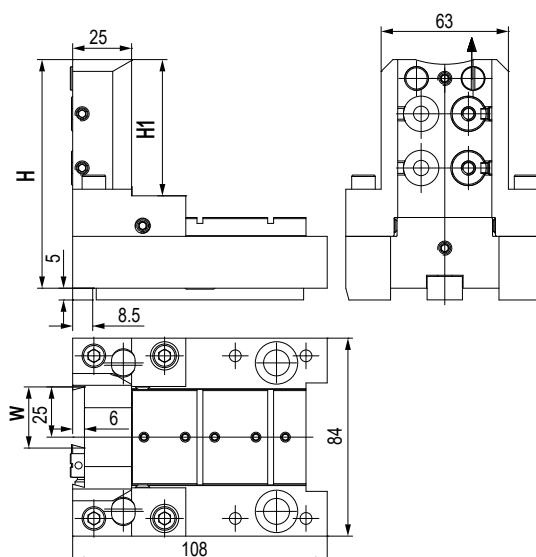
BIGLIA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
55**

TIPO - TYPE
Porta Lama
Cut of holder

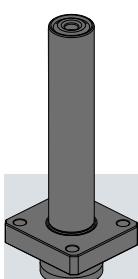
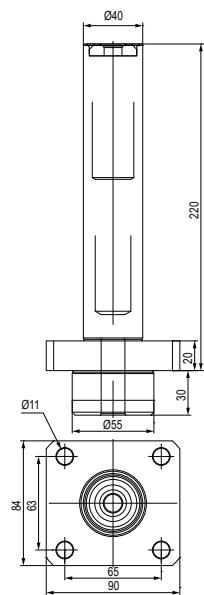
**REFRIGERANTE
COOLANT**
Esterno
External

Code	W	H1	H	
T.BG.B55H12600K	26	66	105	


TIPO - TYPE
Porta Lama
Cut of holder

**REFRIGERANTE
COOLANT**
Esterno
External

Code	W	H1	H	
T.BG.B55H13200K	32	110	80	


TIPO - TYPE
Barra di controllo
Control Pin

Code	-	-	
T.BG.B55CP40220K	-	-	

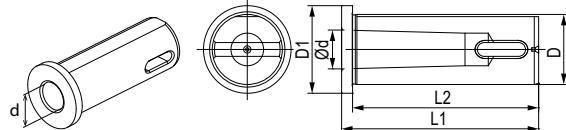
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

BIGLIA

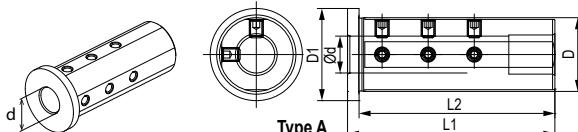
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

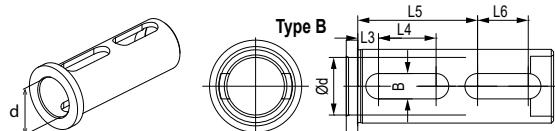
BORING BAR HOLDER REDUCTION SLEEVES

BMT
55
Bloccaggio con asola a finecorsa / Clamping with limit switch slot


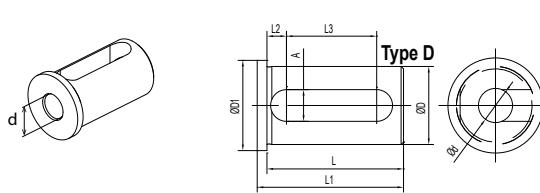
Code	Morse	Ød	ØD	ØD1	L1	L2	
T.B.F32.MT1	1	12,065	32	40	90	85	
T.B.F32.MT2	2	17,780	32	40	90	85	

Bloccaggio con grani / Clamping with set-screws


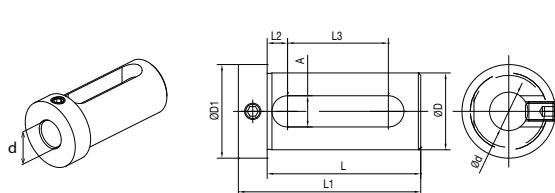
Code	ØD	Ød	ØD1	L1	L2	L3	L4	L5	L6	B	Type
T.B.A3208G	32	8	40	90	85	-	-	-	-	-	A
T.B.A3210G	32	10	40	90	85	-	-	-	-	-	A
T.B.A3212G	32	12	40	90	85	-	-	-	-	-	A
T.B.A3216G	32	16	40	90	85	-	-	-	-	-	A
T.B.A3220G	32	20	40	90	85	-	-	-	-	-	A
T.B.B3225G	32	25	40	90	85	9	25	52	22	11	B

Bloccaggio con doppia asola / Clamping with double slot


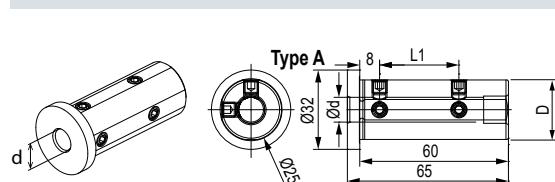
Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C3208K	32	8	56	60	-	-	-	37	C
T.B.C3210K	32	10	56	60	-	-	-	37	C
T.B.C3212K	32	12	56	60	-	-	-	37	C
T.B.D3216K	32	16	56	60	8	37	13	37	D
T.B.D3220K	32	20	56	60	8	37	13	37	D
T.B.D3225K	32	25	56	60	8	37	13	37	D

Bloccaggio con asola / Clamping with slot


Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.E3216K	32	16	64	76	8,5	42	13	39	
T.B.E3220K	32	20	64	76	8,5	42	13	39	
T.B.E3225K	32	25	64	76	8,5	42	13	39	

Bloccaggio con asola e grano / Clamping with slot and set-screw


Code	ØD	Ød	L1	Type
T.B.A2506G	25	6	22	A
T.B.A2508G	25	8	27	A
T.B.A2510G	25	10	32	A
T.B.A2512G	25	12	32	A

Bloccaggio con grani / Clamping with set-screws




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WINDOWS / IOS



ANDROID / IPHONE



BMT 45 - 55 - 65 -75 - 85

BMT45 Ø20-Ø32



Code

T.BMT.45BBC3265H



Code

T.BMT.45BBC20H

Ød	Code
Ø32	T.B.F32.MT1
Ø32	T.B.F32.MT2
Ø8	T.B.A3208G
Ø10	T.B.A3210G
Ø12	T.B.A3212G
Ø16	T.B.A3216G
Ø20	T.B.A3220G
Ø25	T.B.B3225G
Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K
Ø8	T.B.E2008K
Ø10	T.B.E2010K
Ø12	T.B.E2012K
Ø16	T.B.E2016K
Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K

BMT55 Ø40



Code

T.BMT.55BBC4070H



Code

T.BMT.55BBC4060K

T.BMT.55BBC40100K

Ød	Code
-	T.B.L MT1
-	T.B.L MT2
-	T.B.L MT3
Ød	Code
Ø10	T.B.M4010G
Ø12	T.B.M4012G
Ø16	T.B.M4016G
Ød	Code
Ø20	T.B.DS14020G
Ø25	T.B.DS14025G
Ø32	T.B.DS14032G
Ød	Code
Ø20	T.B.DS24020G
Ø25	T.B.DS24025G
Ø32	T.B.DS24032G
Ød	Code
Ø8	T.B.C4008K
Ø10	T.B.C4010K
Ø12	T.B.C4012K
Ød	Code
Ø16	T.B.D.4016K
Ø20	T.B.D.4020K
Ø25	T.B.D.4025K
Ø32	T.B.D.4032K
Ød	Code
Ø16	T.B.E4016K
Ø20	T.B.E4020K
Ø25	T.B.E4025K
Ø32	T.B.E4032K
Ød	Code
Ø8	T.B.C4008K
Ø10	T.B.C4010K
Ø12	T.B.C4012K
Ød	Code
Ø16	T.B.D.4016K
Ø20	T.B.D.4020K
Ø25	T.B.D.4025K
Ø32	T.B.D.4032K
Ød	Code
Ø16	T.B.E4016G
Ø20	T.B.E4020G
Ø25	T.B.E4025G
Ø32	T.B.E4032G

DOOSAN / HARDINGE / SAMSUNG / HWACHEON
HYUNDAI WIA / VICTOR / HAAS / GOODWAY / JYOTI

BMT65/75 Ø40/50

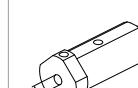


Code

T.BMT.65BBC4072H

T.BMT.65BBC40100H

Ød	Code
-	T.B.L MT1
-	T.B.L MT2
-	T.B.L MT3

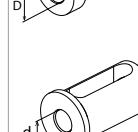


Code

T.B.DS14020G

T.B.DS14025G

T.B.DS14032G

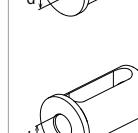


Code

T.B.DS24020G

T.B.DS24025G

T.B.DS24032G

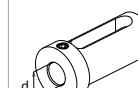


Code

T.B.C4008K

T.B.C4010K

T.B.C4012K



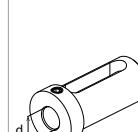
Code

T.B.D.4016K

T.B.D.4020K

T.B.D.4025K

T.B.D.4032K



Code

T.B.E4016K

T.B.E4020K

T.B.E4025K

T.B.E4032K

BMT85 Ø60



Code

T.BMT.75BBC60110H

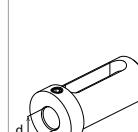


Code

T.B.E6025k

T.B.E6032k

T.B.E6040k



Code

T.B.E6025k

T.B.E6032k

T.B.E6040k

T.B.E6050k

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

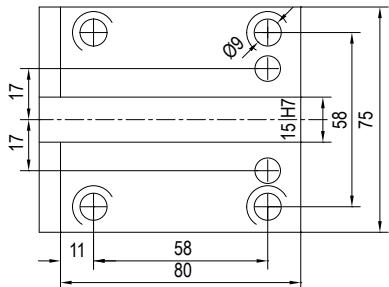
HARDINGE

SMEC

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

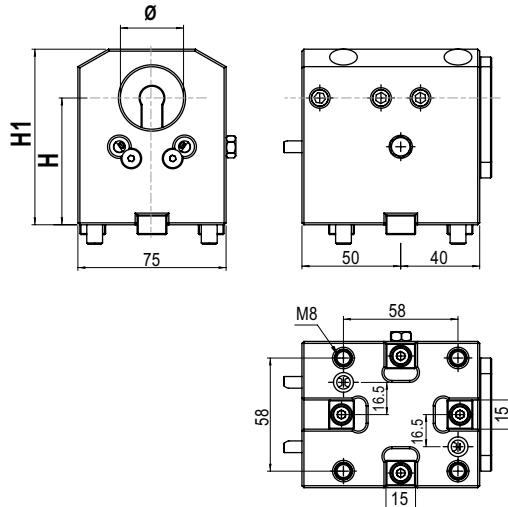
**BMT
45**

ATTACCO / COUPLING



MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

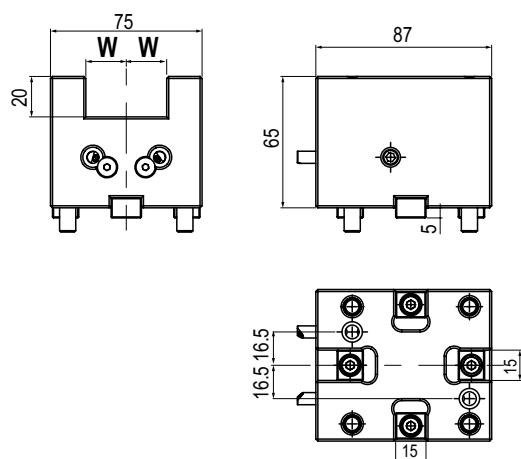
- **DOOSAN BMT45:** LYNX 2100LYA/LYB 24 POSITIONS - LYNX 2100MA/220 (LMSA,LMSC) - 220 (LSYA,LSYC) - 220 (M,LM) LYNX 220 (MA,LMA,MC,LMC) - 220 (YA,YC,LYA,LYC) - PUMA MX1600 (T,ST)
- **HARDINGE BMT45:** GS 42, 51 - T-42, 51 SUPER PRECISION - TALENT 42, 51
- **SMEC:** PLT1600 (M, CM)



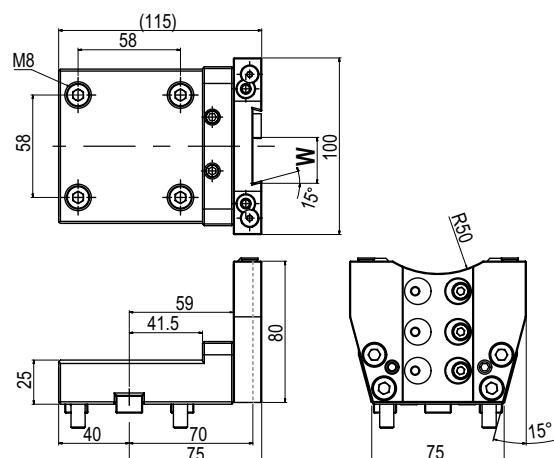
TIPO - TYPE

Portabareno
Boring bar cutting holderREFRIGERANTE
COOLANTEsterno & Interno
External & Internal

Code	Ø	H	H1
T.BMT.45BB3265H	32	65	90



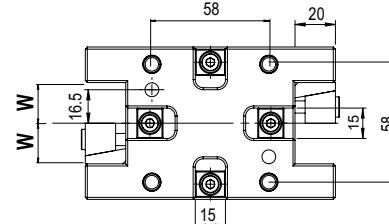
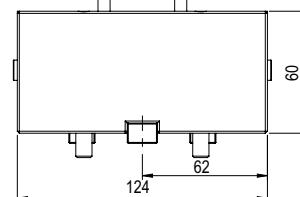
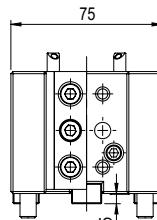
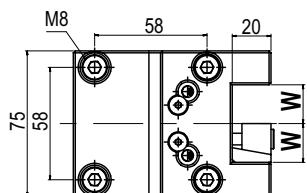
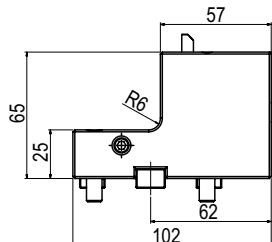
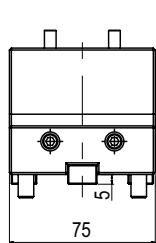
Code	W
T.BMT.45B12020H	20



Code	W
T.BMT.45H12600H	26

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES
DOOSAN**HARDINGE****SMEC**

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
45


TIPO - TYPE

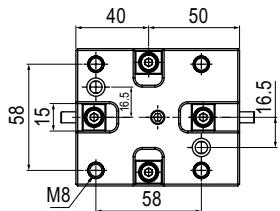
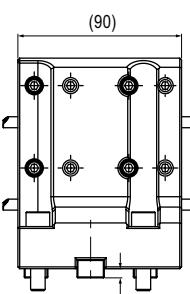
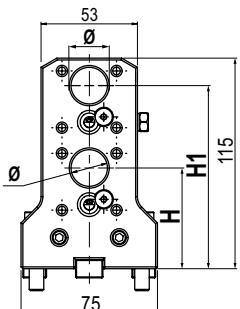
Stelo quadro radiale
Radial face and cutting holderREFRIGERANTE
COOLANTEsterno
External

Code	W	
T.BMT.45C1D2020H	20	

TIPO - TYPE

Stelo quadro radiale doppio
2 RD face and cutting holderREFRIGERANTE
COOLANTEsterno
External

Code	W	
T.BMT.45C1D2020H	20	



TIPO - TYPE

Portabareno doppio
Double boarding bar holderREFRIGERANTE
COOLANTEsterno & Interno
External & Internal

Code	Θ	H	H1	
T.BMT.45BBD20H	20	55	110	

MODELLO DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HARDINGE

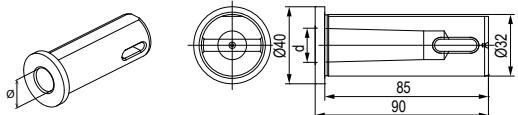
SMEC

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

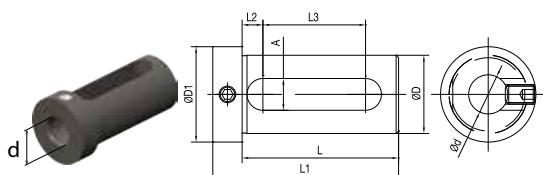
BMT
45

BUSSOLE DI RIDUZIONE PER PORTABARENI

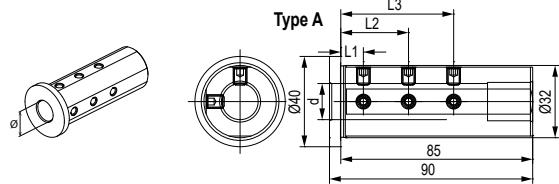
BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con asola a finecorsa / Clamping with limit switch slot

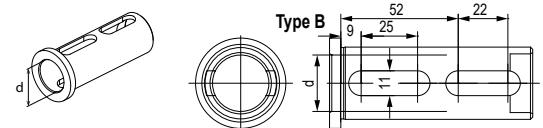
Code	Morse	Ød
T.B.F32.MT1	1	12,065
T.B.F32.MT2	2	17,780

Bloccaggio con asola e grano \ Clamping with slot and set-screw

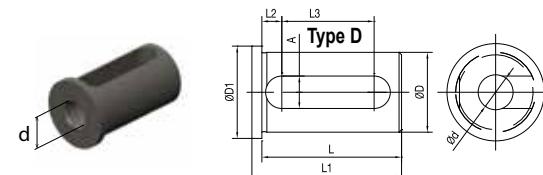
Code	ØD	Ød	L	L1	L2	L3	A	D1
T.B.E2008K	20	8	50	60	7	29	11	28
T.B.E2010K	20	10	50	60	7	29	11	28
T.B.E2012K	20	12	50	60	7	29	11	28
T.B.E2016K	20	16	50	60	7	29	11	28
T.B.E3216K	32	16	65	77	8	42	13	39
T.B.E3220K	32	20	65	77	8	42	13	39
T.B.E3225K	32	25	65	77	8	42	13	39

Bloccaggio con grani / Clamping with set-screws

Code	Ød	L1	L2	L3	Type
T.B.A3206G	6	8	35	-	A
T.B.A3208G	8	8	35	-	A
T.B.A3210G	10	8	40	-	A
T.B.A3212G	12	8	40	-	A
T.B.A3216G	16	10	30	50	A
T.B.A3220G	20	10	30	50	A
T.B.B3225G	25	-	-	-	B

Bloccaggio con doppia asola / Clamping with double slot

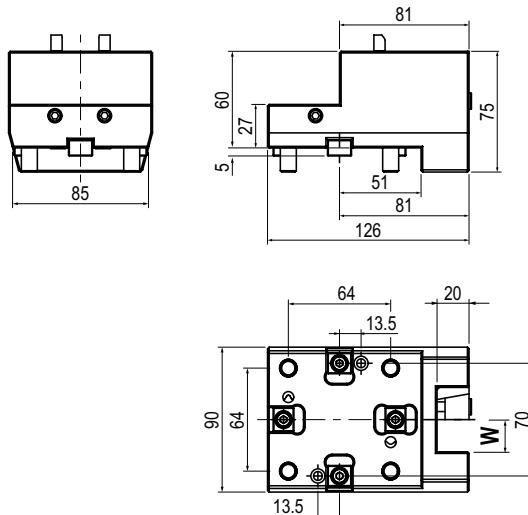
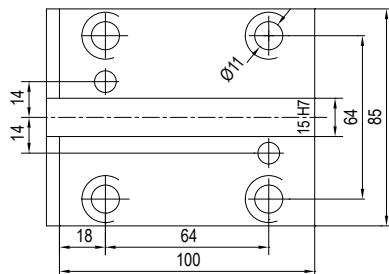
Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C3208K	32	8	56	60	-	-	-	37	C
T.B.C3210K	32	10	56	60	-	-	-	37	C
T.B.C3212K	32	12	56	60	-	-	-	37	C
T.B.D3220K	32	16	56	60	8	37	13	37	D
T.B.D3225K	32	20	56	60	8	37	13	37	D

Bloccaggio con asola / Clamping with slot

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING

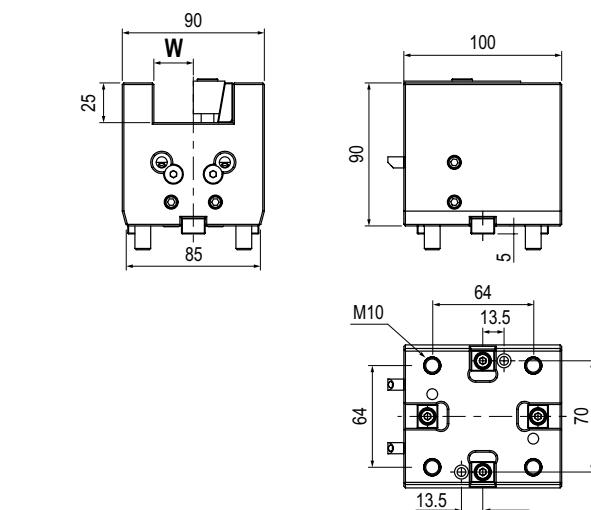
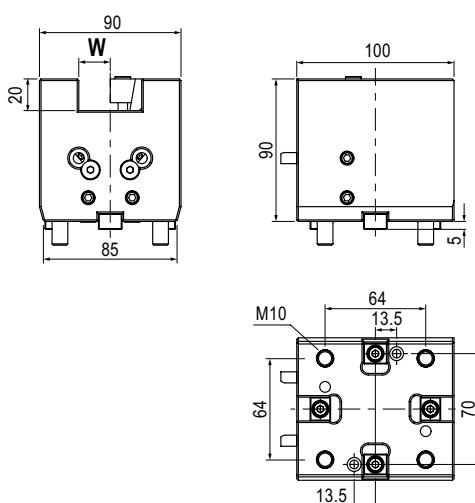


MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **DOOSAN BMT55:** Lynx 300(M) - PUMA 1500/2000/2500(M,S,Y) - PUMA 2100 (Y,LY,SY,LSY) - PUMA 2100/2600/3100M/Y/MS/SY - PUMA 230/240/280(M,LM,S) - PUMA GT2100M - PUMA H250TM - PUMA MX1600 / 2100(ST/LST) - PUMA TL2000/2500 (M,LM) - PUMA TT1500/1800(MS,SY) - PUMA TW2600
- **HARDINGE:** CONQUEST H51 - SUPER PRECISION T56 - T65
- **HWACHEON:** CUTEX-160 / 180 / 240 / T2 (MC / SMC / YMC / YSMC) - VT 450 (MC)
- **HYUNDAI WIA:** HD2200 (M / MC) - SKT-160 / 180 TTMS / TTSY / LM1600 / 1800 TTSY - L160, 230 (MA / LMA / LMSA) - SKT-160, 180 (TTMS / TTSY)
- **SAMSUNG:** PL 240 (LM) - SL 1500, 2000 (M/SY)
- **VICTOR:** VTURN-A16, A20 (CM / SCM / YCM / YSCM) - VTURN-Q200



Code	W
T.BMT.55C12020H	20
T.BMT.55C12525H	25



Code	W
T.BMT.55B12020H	20
T.BMT.55B12525H	25

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

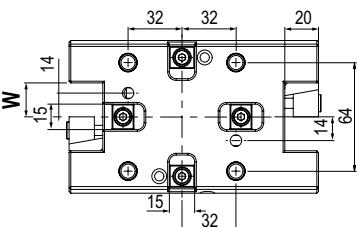
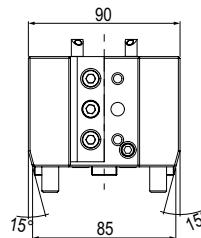
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
55


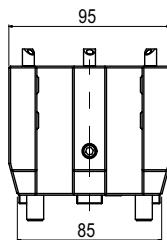
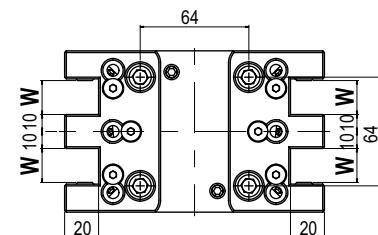
TIPO - TYPE

REFRIGERANTE
COOLANT
Esterno
External

Code

W

T.BMT.55C1D2020H



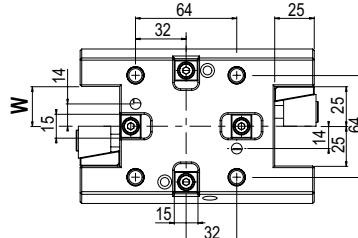
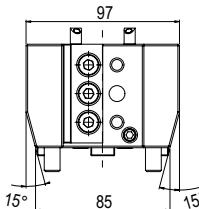
TIPO - TYPE

REFRIGERANTE
COOLANT
Esterno
External

Code

W

T.BMT.55C2D2020H



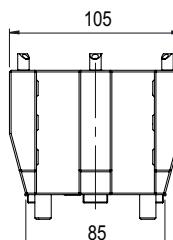
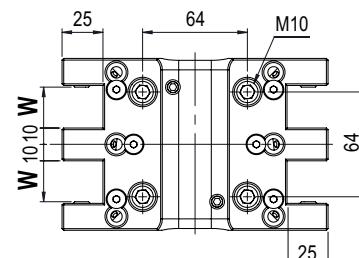
TIPO - TYPE

REFRIGERANTE
COOLANT
Esterno
External

Code

W

T.BMT.55C1D2525H



TIPO - TYPE

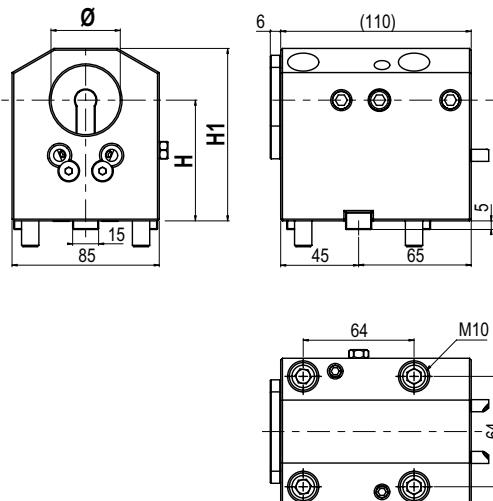
REFRIGERANTE
COOLANT
Esterno
External

Code

W

T.BMT.55C2D2525H

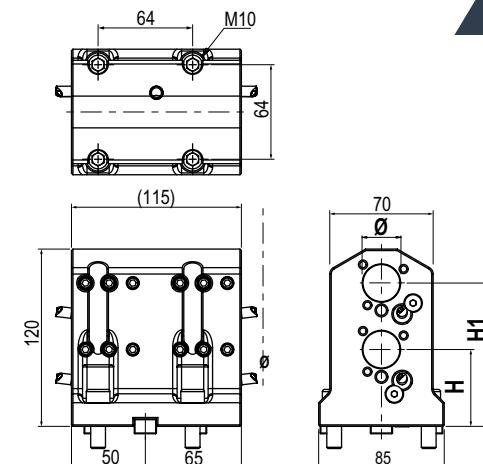
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7



TIPO - TYPE
Portabareno
Boring bar cutting holder

REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

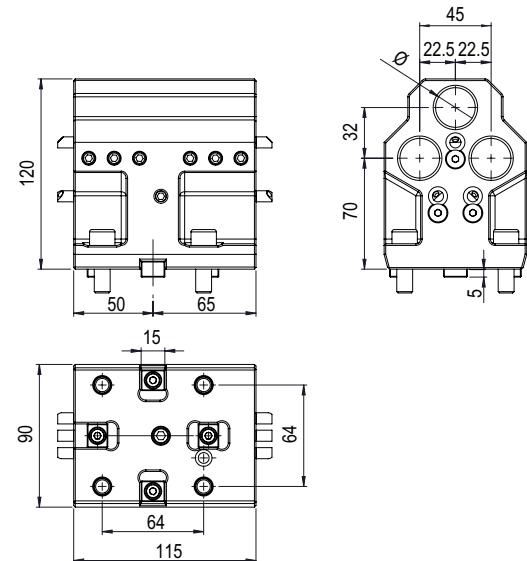
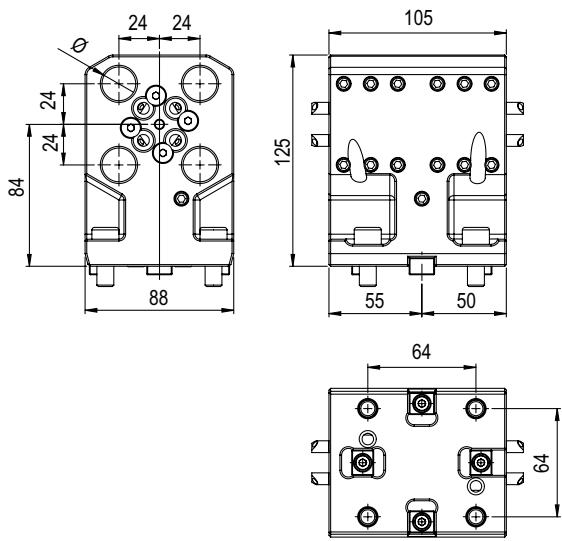
Code	Ø	H	H1	
T.BMT.55BB4070H	40	70	100	



TIPO - TYPE
Portabareno doppio
Double boring bar holder

REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.BMT.55BBD25H	25	52	97	



TIPO - TYPE
Portabareno 4 posizioni
4 pos. Boring bar tool holder

REFRIGERANTE
COOLANT
Esterno
External

Code	Ø	
T.BMT.55BB2D20H	20	

TIPO - TYPE
Portabareno 3 posizioni
3 pos. Boring bar tool holder

REFRIGERANTE
COOLANT
Esterno
External

Code	Ø	
T.BMT.55BBT25H	25	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

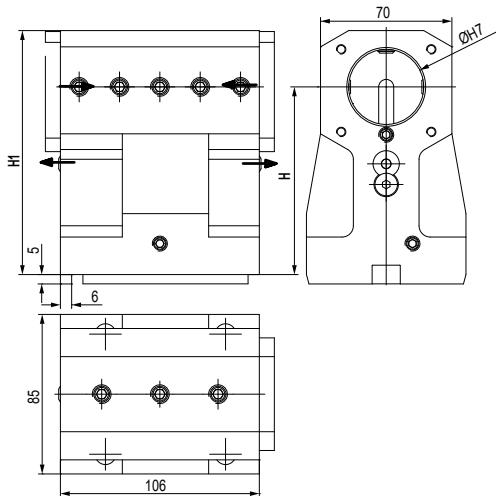
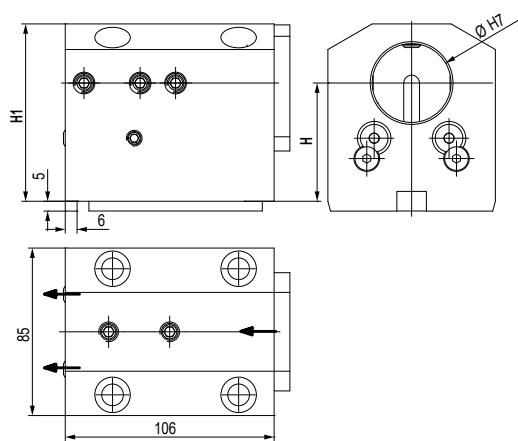
HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
55

TIPO - TYPE
 Portabareno
 Boring bar cutting holder

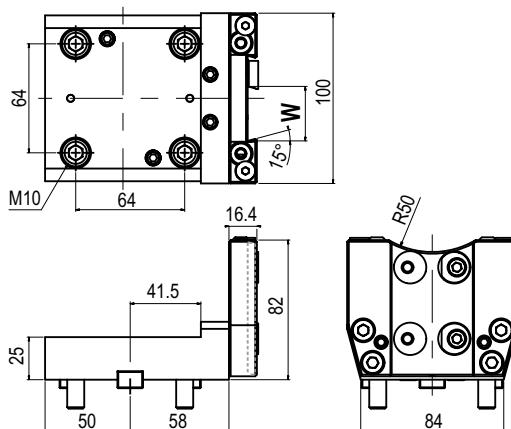
REFRIGERANTE
COOLANT
 Esterno & Interno
 External & Internal

Code	Ø	H	H1	
T.BMT.55BBC4060K	40	60±0.02	90	

TIPO - TYPE
 Portabareno
 Boring bar cutting holder

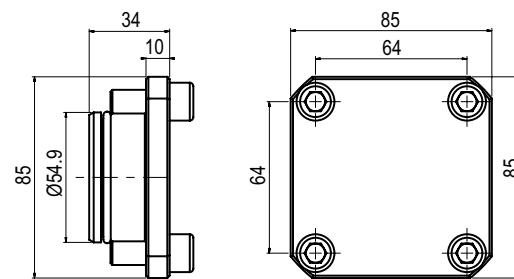
REFRIGERANTE
COOLANT
 Esterno & Interno
 External & Internal

Code	Ø	H	H1	
T.BMT.55BBC40100K	40	100±0.02	130	


TIPO - TYPE
 Porta Lama
 Cut off holder

REFRIGERANTE
COOLANT
 Esterno
 External

Code	W	
T.BMT.55H12600H	26	
T.BMT.55H13200H	32	

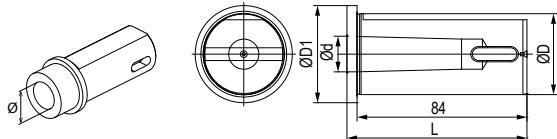

TIPO - TYPE
 Tappo in acciaio
 Steel Turret Cup

Code	
T.BMT.55Z10000H	

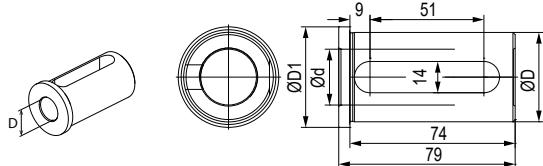
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

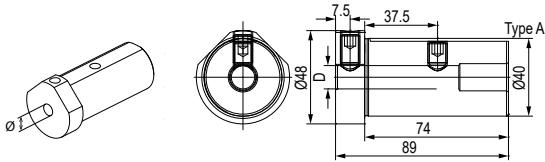
BORING BAR HOLDER REDUCTION SLEEVES

BMT
55
Bloccaggio con asola a finecorsa / Clamping with limit switch slot


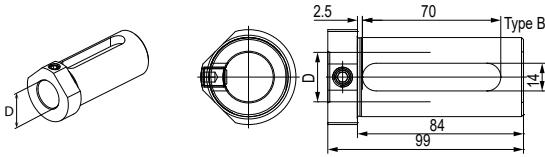
Code	Morse	ØD	Ød	L
T.B.L MT1	1	40	12,065	89
T.B.L MT2	2	40	17,780	89
T.B.L MT3	3	40	23,825	110

Bloccaggio con asola \ Clamping with slot


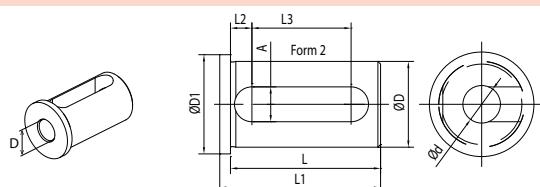
Code	Ød
T.B.DS24020G	20
T.B.DS24025G	25
T.B.DS24032G	32

Bloccaggio con grano \ Clamping with set-screw


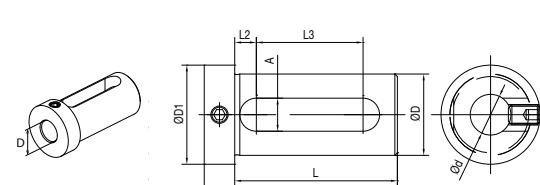
Code	Ød	Type
T.B.M4010G	10	M
T.B.M4012G	12	M
T.B.M4016G	16	M
T.B.DS14020G	20	DS
T.B.DS14025G	25	DS
T.B.DS14032G	32	DS

Bloccaggio con asola con grano / Clamping with set-screw


Code	ØD	Ød	L	I1	I2	I3	A	ØD1	Type
T.B.C2508K	25	8	46	50	-	-	-	30	C
T.B.C2510K	25	10	46	50	-	-	-	30	C
T.B.C2512K	25	12	46	50	-	-	-	30	C
T.B.C4008K	40	8	71	75	-	-	-	45	C
T.B.C4010K	40	10	71	75	-	-	-	45	C
T.B.C4012K	40	12	71	75	-	-	-	45	C
T.B.D2516K	25	16	46	50	8	27	13	30	C
T.B.D2520K	25	20	46	50	8	27	13	30	C
T.B.D4016K	40	16	71	75	8	52	13	45	D
T.B.D4020K	40	20	71	75	8	52	13	45	D
T.B.D4025K	40	25	71	75	8	52	13	45	D
T.B.D4032K	40	32	71	75	8	52	13	45	D

Bloccaggio con asola / Clamping with slot


Code	ØD	Ød	L	I1	I2	I3	A	ØD1
T.B.E2008K	20	8	50	60	7	29	11	28
T.B.E2010K	20	10	50	60	7	29	11	28
T.B.E2012K	20	12	50	60	7	29	11	28
T.B.E2016K	20	16	50	60	7	29	11	28
T.B.E2512K	25	12	55	67	8	32	13	33
T.B.E2516K	25	16	55	67	8	32	13	33
T.B.E2520K	25	20	55	67	8	32	13	33
T.B.E4016K	40	16	74	88	9	51	14	48
T.B.E4020K	40	20	74	88	9	51	14	48
T.B.E4025K	40	25	74	88	9	51	14	48
T.B.E4032K	40	32	74	88	9	51	14	48

Bloccaggio con asola e grano \ Clamping with slot and set-screw


MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

HAAS

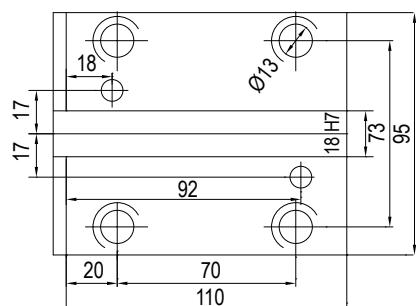
MAXIS

TONGAI

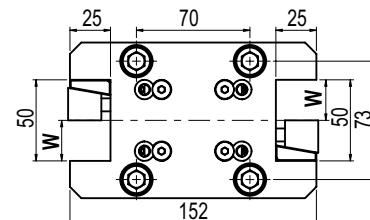
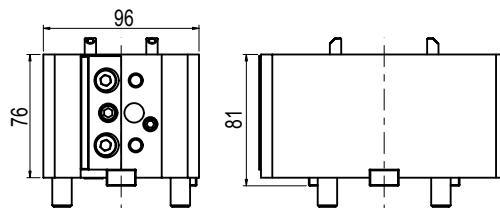
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
65

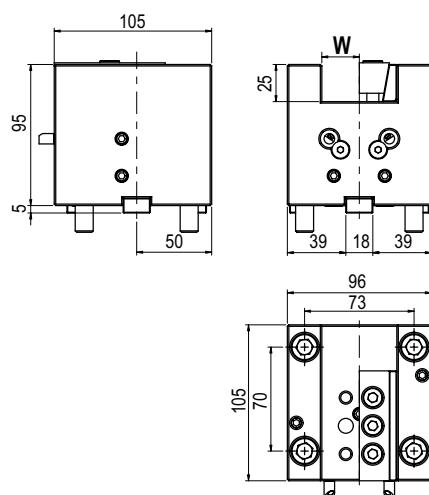
ATTACCO / COUPLING


MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **DOOSAN:** PUMA 2100/2600 (M,LM,MS,LMS) (Y,LY,SY,LSY) - PUMA 300 (M,MS,MB,MC) - PUMA TT2000 - PUMA3100(M,LM,LXLM,XLY,ULM,ULY) - PUMA MX2000/2500 - PUMA MX2600 (T,SY,ST) PUMA TT2500 (MS/SY) - PUMA V400 (M) - PUMA VT450 (M,2SP) - INVERTURN 3000 (M)
- **HAAS:** ST20 - ST25 - ST30 - ST35 - DS30Y - ST-20Y - ST-25Y - ST-30Y - ST-35Y
- **HWACHEON:** CUTEX-240 (MC/SMC) - HI-TECH 200, 230, 300, 400, 450 (MC/SMC/YMC/YSMC) VT-450 T2-SERIES (MC/SMC/YMC/YSMC)
- **HYUNDAI WIA:** L300 (MA/MC/LMA/LMC/SMA/SMC/ LMSA) - LM 2000, 2500 (TTM/TTMS/TTSY) L2000, 2100, 2600, 3000 (Y/LS/SY/LSY) - SKT200, 250 (TTSY) - SKT250, 300 (LM/LMS/M/MS)
- **MATRIX:** BMT65
- **SAMSUNG SMEC:** SL25/35 - PL20/25/35M - PL35LM - PL2000/2500M - SL3500 (Y)
- **VICTOR:** VTURN-A26 (CM / SCM / YCM / YSCM)
- **TONGAI:** TMT200



Code	W
T.BMT.65C1D2020H	20
T.BMT.65C1D2525H	25

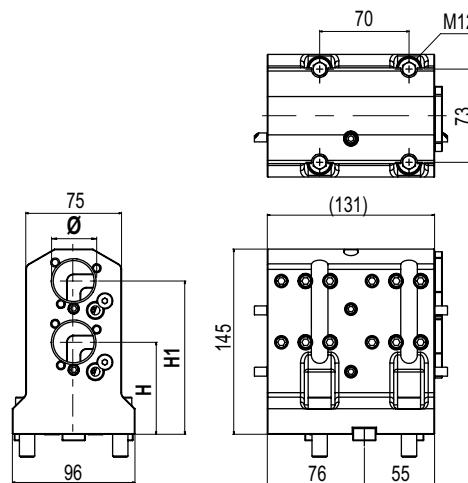
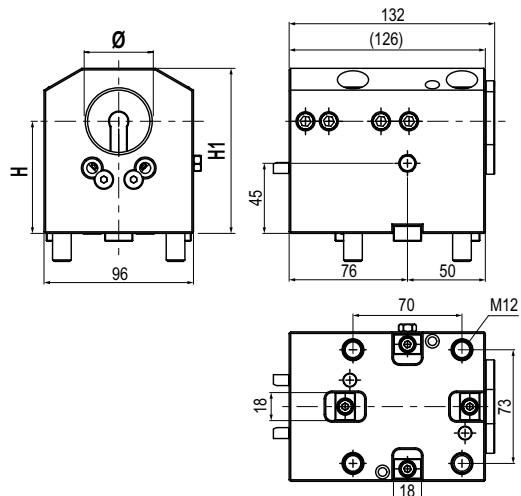


Code	W
T.BMT.65B12020H	20
T.BMT.65B12525H	25



Code	W
T.BMT.65C12020H	20
T.BMT.65C12525H	25

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
65

TIPO - TYPE
 Portabareno
 Boring bar cutting holder

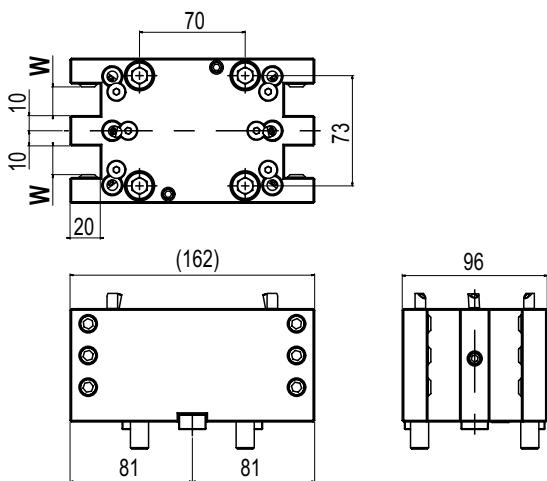
REFRIGERANTE
 COOLANT
 Esterno & Interno
 External & Internal

Code	Ø	H	H1	
T.BMT.65BBC4072H	40	72	106	
T.BMT.65BBC40100H	40	100	140	


TIPO - TYPE
 Portabareno doppio
 Double boaring bar holder

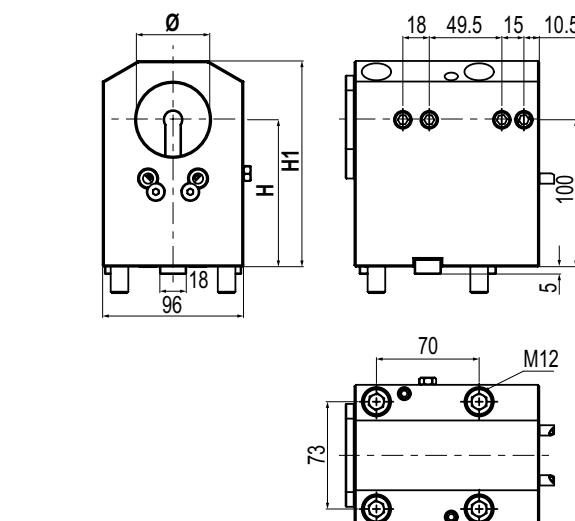
REFRIGERANTE
 COOLANT
 Esterno & Interno
 External & Internal

Code	Ø	H	H1	
T.BMT.65BBD32H	32	72	120	


TIPO - TYPE
 Stelo quadro rad. quadruplo
 4 RD face and cutting holder

REFRIGERANTE
 COOLANT
 Esterno
 External

Code	W	
T.BMT.65C2D2020H	20	
T.BMT.65C2D2525H	25	


TIPO - TYPE
 Portabareno
 Boring bar cutting holder

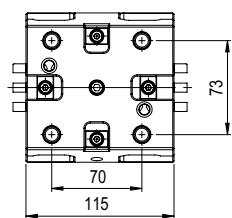
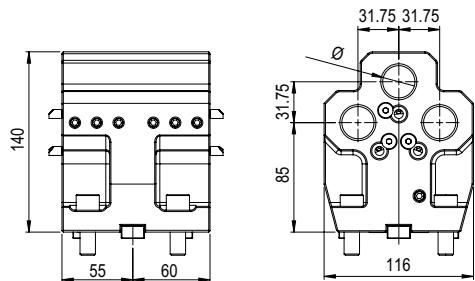
REFRIGERANTE
 COOLANT
 Esterno & Interno
 External & Internal

Code	Ø	H	H1	
T.BMT.65BBC5072H	50	72	106	
T.BMT.65BBC50100H	50	100	140	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

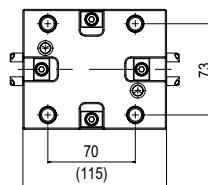
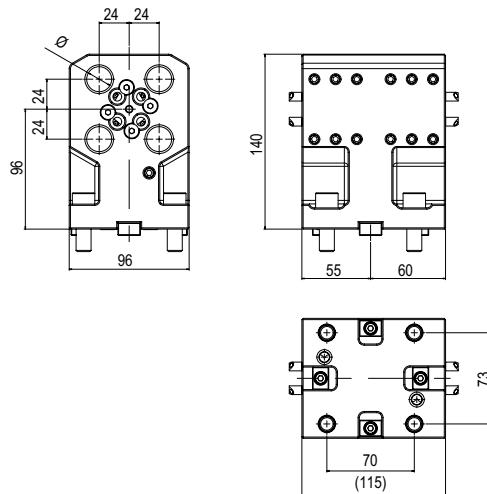
DOOSAN HWACHEON HYUNDAI WIA SAMSUNG VICTOR HAAS MAXIS TONGAI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
65


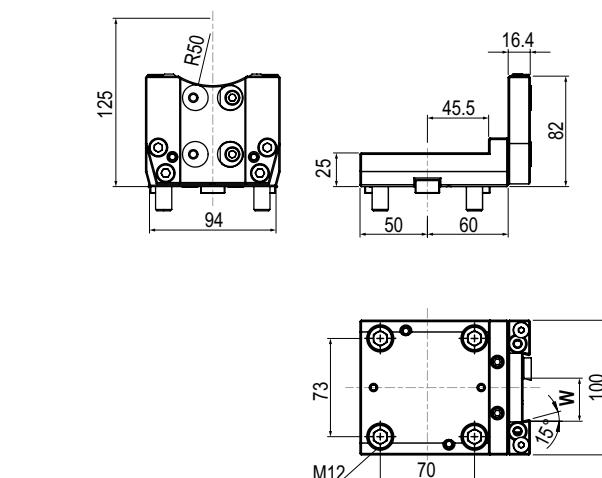
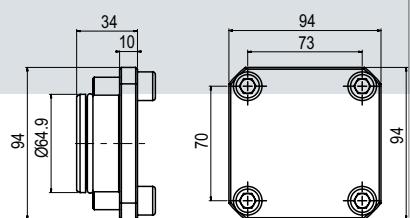
TIPO - TYPE	REFRIGERANTE COOLANT
Portabareno 3 posizioni 3 pos. Boring bar tool holder	Esterno External

Code	Ø	W
T.BMT.65BBT25H	25	



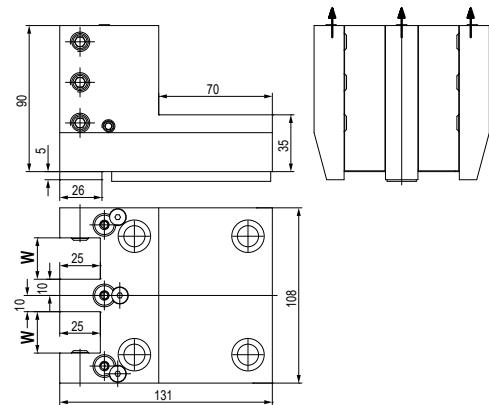
TIPO - TYPE	REFRIGERANTE COOLANT
Portabareno 4 posizioni 4 pos. Boring bar tool holder	Esterno External

Code	Ø	W
T.BMT.65BB2D20H	20	

Tappo in acciaio
Steel Turret Cup


TIPO - TYPE	REFRIGERANTE COOLANT
Porta Lama Cut off holder	Esterno External

Code	W
T.BMT.65H13200H	32



TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro radiale doppio Radial 2 Face cutting holder	Esterno External

Code	W
T.BMT.65C1Y2525K	25

Code
T.BMT.65Z10000H

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

HAAS

MAXIS

TONGAI

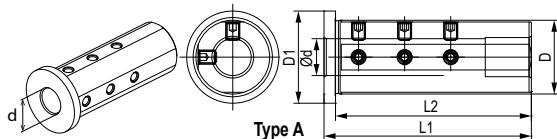
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

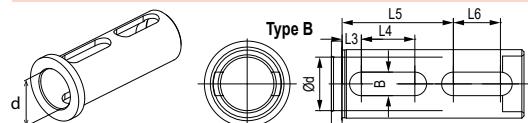
BORING BAR HOLDER REDUCTION SLEEVES

BMT
65

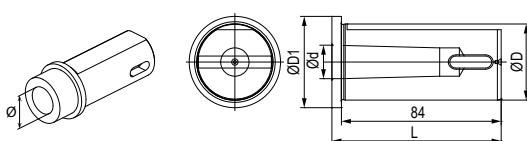
Bloccaggio con grani / Clamping with set-screws



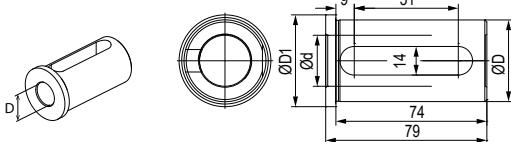
Bloccaggio con doppia asola / Clamping with double slot



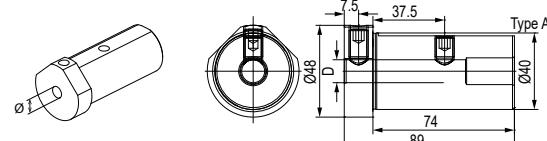
Bloccaggio con asola a finecorsa / Clamping with limit switch slot



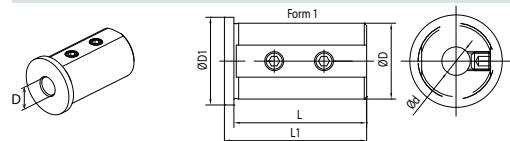
Bloccaggio con asola \ Clamping with slot



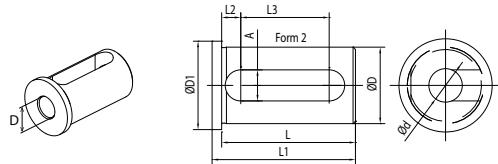
Bloccaggio con grano \ Clamping with set-screw



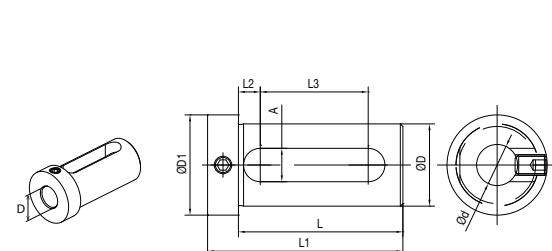
Bloccaggio con grani \ Clamping with set-screws



Bloccaggio con asola / Clamping with slot



Bloccaggio con asola e grano \ Clamping with slot and set-screw



Code	ØD	Ød	ØD1	L1	L2	L3	L4	L5	L6	B	Type
T.B.A5012G	50	12	60	130	125	-	-	-	-	-	A
T.B.A5016G	50	16	60	130	125	-	-	-	-	-	A
T.B.A5020G	50	20	60	130	125	-	-	-	-	-	A
T.B.A5025G	50	25	60	130	125	-	-	-	-	-	A
T.B.A5032G	50	32	60	130	125	-	-	-	-	-	A
T.B.B5040G	50	40	60	130	125	10	45	75	37	13	B

Code	Morse	ØD	Ød	L
T.B.L MT1	1	40	12,065	89
T.B.L MT2	2	40	17,780	89
T.B.L MT3	3	40	23,825	110

Code	D	Ød
T.B.DS24020G	40	20
T.B.DS24025G	40	25
T.B.DS24032G	40	32

Bloccaggio con asola con grano Clamping with slot and set-screw			Code	Ød	Type
			T.B.M4010G	10	M
			T.B.M4012G	12	M
			T.B.M4016G	16	M
			T.B.DS14020G	20	DS
			T.B.DS14025G	25	DS
			T.B.DS14032G	32	DS

Code	ØD	Ød	L	I1	I2	I3	A	ØD1	Type
T.B.C25 08K	25	8	46	50	-	-	-	30	C
T.B.C2510K	25	10	46	50	-	-	-	30	C
T.B.C2512K	25	12	46	50	-	-	-	30	C
T.B.C3216K	32	16	56	60	-	-	-	37	C
T.B.C4008K	40	8	71	75	-	-	-	45	C
T.B.C4010K	40	10	71	75	-	-	-	45	C
T.B.C4012K	40	12	71	75	-	-	-	45	C
T.B.D2516K	25	16	46	50	8	27	13	30	C
T.B.D2520K	25	20	46	50	8	27	13	30	C
T.B.D3216K	32	16	56	60	8	37	13	37	D
T.B.D3220K	32	20	56	60	8	37	13	37	D
T.B.D4016K	40	16	71	75	8	52	13	45	D
T.B.D4020K	40	20	71	75	8	52	13	45	D
T.B.D4025K	40	25	71	75	8	52	13	45	D
T.B.D4032K	40	32	71	75	8	52	13	45	D

Code	ØD	Ød	L	I1	I2	I3	A	ØD1
T.B.E2008K	20	8	50	60	7	29	11	28
T.B.E2010K	20	10	50	60	7	29	11	28
T.B.E2012K	20	12	50	60	7	29	11	28
T.B.E2016K	20	16	50	60	7	29	11	28
T.B.E2512K	25	12	55	67	8	32	13	33
T.B.E2516K	25	16	55	67	8	32	13	33
T.B.E2520K	25	20	55	67	8	32	13	33
T.B.E4016K	40	16	74	88	9	51	14	48
T.B.E4020K	40	20	74	88	9	51	14	48
T.B.E4025K	40	25	74	88	9	51	14	48
T.B.E4032K	40	32	74	88	9	51	14	48
T.B.E5025K	50	25	84	98	9	61	14	59
T.B.E5032K	50	32	84	98	9	61	14	59
T.B.E5040K	50	40	84	98	9	61	14	59

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HWACHEON

HYUNDAI WIA

SAMSUNG

VICTOR

HAAS

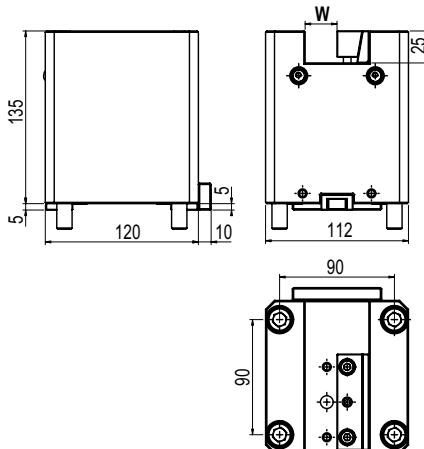
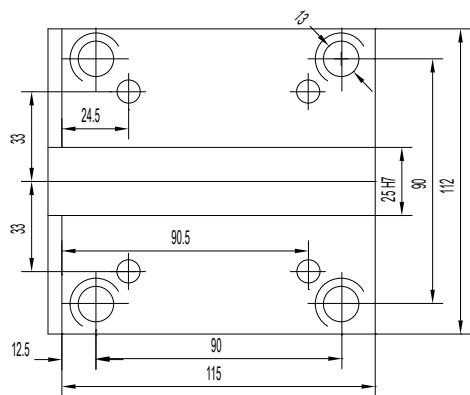
MAXIS

TONGAI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
75

ATTACCO / COUPLING


MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

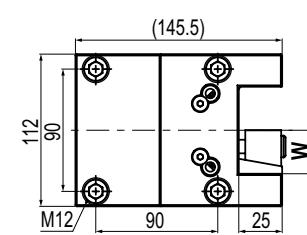
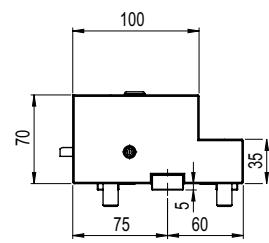
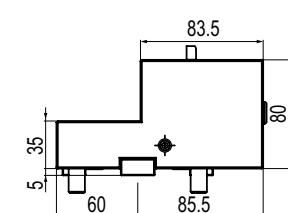
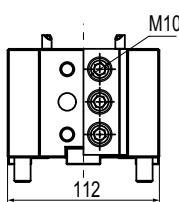
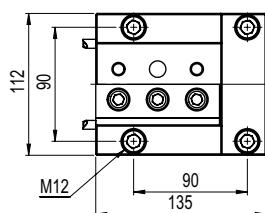
- **DOOSAN:** PUMA 400, 480, 500 (M / LM) - PUMA 4100, 5100 (M / LY)
PUMA V550, 8300 (M) - PUMA VT750 (M / M-2SP)
- **HWACHEON:** HI-TECH 550/700/850/7026 - VT550 / 650 (MC)
- **HYUNDAI WIA:** L400 (MA / LM / LC / LMC) - LV800 (RM) - V80 (R / RM) - SKT-400 (M / LMC)
- **SAMSUNG:** 45 (M) - 800 (VM) - SL45 - 5500 (M)



TIPO - TYPE

Stelo quadro assiale
Axial face and cutting holderREFRIGERANTE
COOLANTEsterno
External

Code	W	€
T.BMT.75B12525H	25	362
T.BMT.75B13232H	32	372



TIPO - TYPE

REFRIGERANTE
COOLANTStelo quadro assiale
Axial face and cutting holderREFRIGERANTE
COOLANTEsterno
External

Code	W	€
T.BMT.75C12525H	25	362
T.BMT.75C13232H	32	372

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

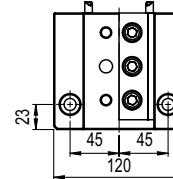
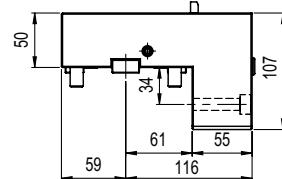
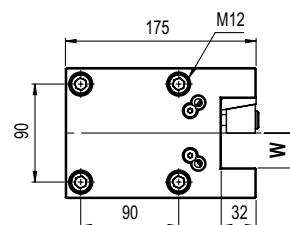
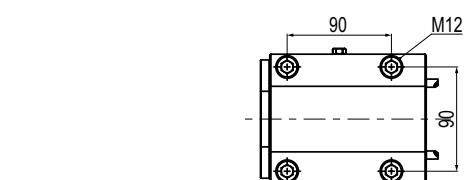
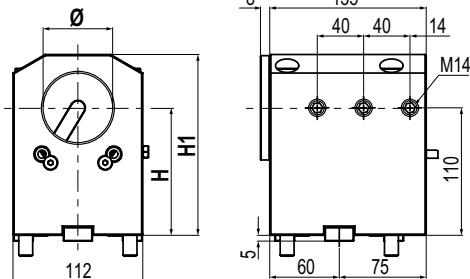
DOOSAN

HWACHEON

HYUNDAI WIA

SAMSUNG

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
75

TIPO - TYPE
Portabareno
Boring bar cutting holder

REFRIGERANTE
COOLANT

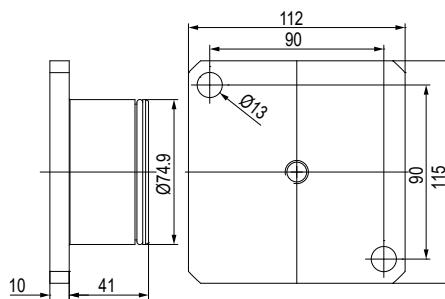
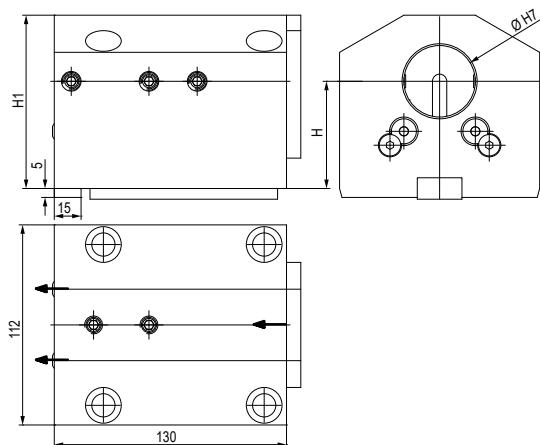
Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.BMT.75BBC60110H	60	110	156	

TIPO - TYPEStelo quadro radiale
Radial face and cutting holder
REFRIGERANTE
COOLANT

Esterno & Interno
External & Internal

Code	W	
T.BMT.75C13232LH	32	



6


TIPO - TYPE
Portabareno
Boring bar cutting holder

REFRIGERANTE
COOLANT

Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.BMT.75BBC4060K	40	60±0,02	97	
T.BMT.75BBC5060K	50	60±0,02	97	


TIPO - TYPE
Tappo in acciaio
Steel Turret Cup

Code	
T.BMT.75Z10000H	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

HWACHEON

HYUNDAI WIA

SAMSUNG

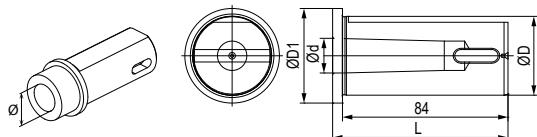
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
75

BUSSOLE DI RIDUZONE PER PORTABARENI

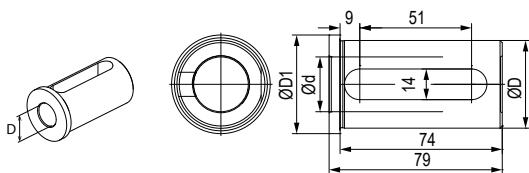
BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con asola a finecorsa / Clamping with limit switch slot



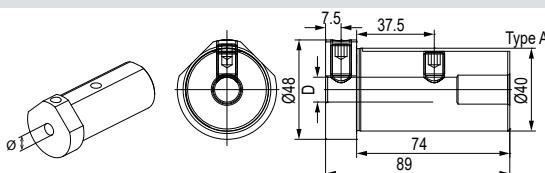
Code	Morse	ØD	Ød	ØD1	L	
T.B.L MT1	1	40	12,065	48	89	
T.B.L MT2	2	40	17,780	48	89	
T.B.L MT3	3	40	23,825	48	110	

Bloccaggio con asola / Clamping with collar



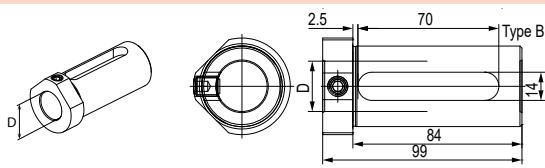
Code	ØD	Ød	ØD1	
T.B.DS24020G	40	20	45	
T.B.DS24025G	40	25	45	
T.B.DS24032G	40	32	45	

Bloccaggio con grano \ Clamping with set-screw



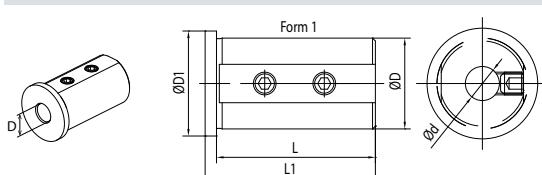
Code	ØD	Ød	ØD1	Type	
T.B.M4010G	40	10	48	M	
T.B.M4012G	40	12	48	M	
T.B.M4016G	40	16	48	M	
T.B.DS14020G	40	20	48	DS	
T.B.DS14025G	40	25	48	DS	
T.B.DS14032G	40	32	48	DS	

Bloccaggio con asola con grano / Clamping with set-screw

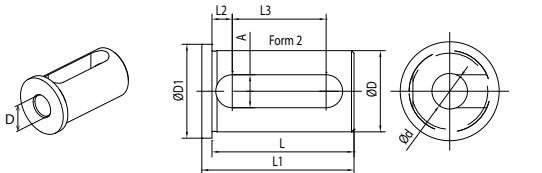


Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type	
T.B.C4008K	40	8	71	75	-	-	-	45	C	
T.B.C4010K	40	10	71	75	-	-	-	45	C	
T.B.C4012K	40	12	71	75	-	-	-	45	C	
T.B.D.4016K	40	16	71	75	8	52	13	45	D	
T.B.D.4020K	40	20	71	75	8	52	13	45	D	
T.B.D.4025K	40	25	71	75	8	52	13	45	D	
T.B.D.4032K	40	32	71	75	8	52	13	45	D	

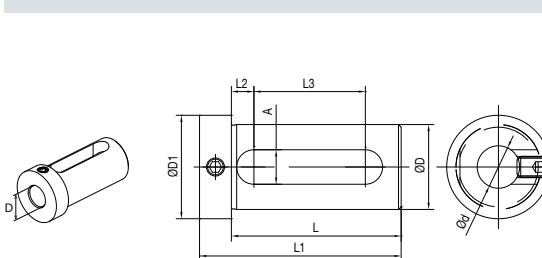
Bloccaggio con grani \ Clamping with set-screws



Bloccaggio con asola / Clamping with collar and slot



Bloccaggio con asola e grano \ Clamping with slot and set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1	
T.B.E4016k	40	16	74	88	9	51	14	48	
T.B.E4020k	40	20	74	88	9	51	14	48	
T.B.E4025k	40	25	74	88	9	51	14	48	
T.B.E4032k	40	32	74	88	9	51	14	48	
T.B.E5025k	50	25	84	98	9	61	14	59	
T.B.E5032k	50	32	84	98	9	61	14	59	
T.B.E5040k	50	40	84	98	9	61	14	59	
T.B.E6025k	60	25	94	108	9	71	14	69	
T.B.E6032k	60	32	94	108	9	71	14	69	
T.B.E6040k	60	40	94	108	9	71	14	69	
T.B.E6050k	60	50	94	108	9	71	14	69	

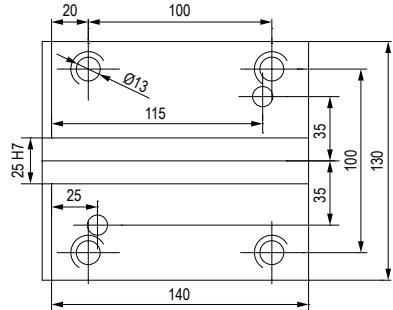
MODELLI DI TORNIO COMPATIBILI

COMPATIBLE LATHE TYPES

DOOSAN

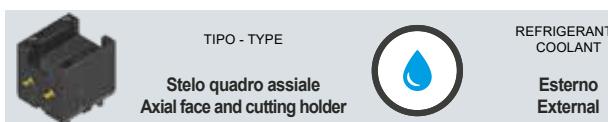
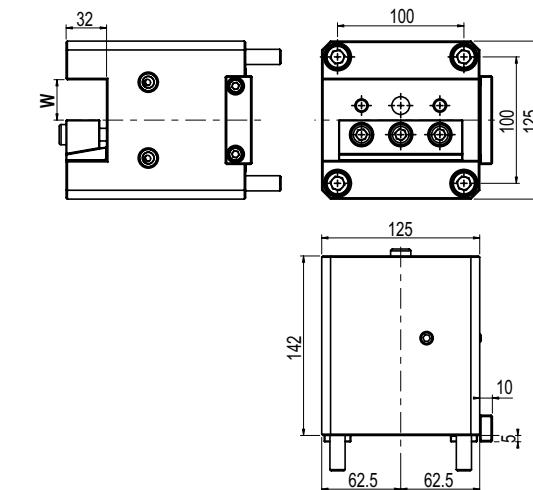
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING

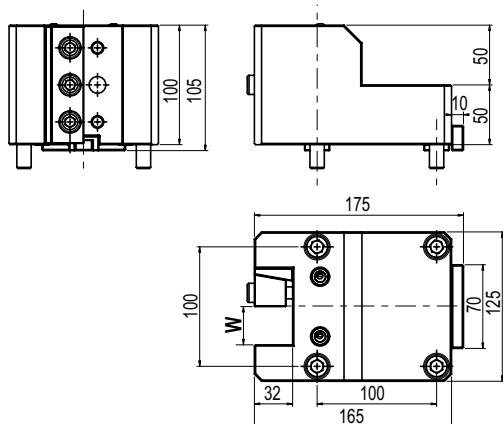


MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

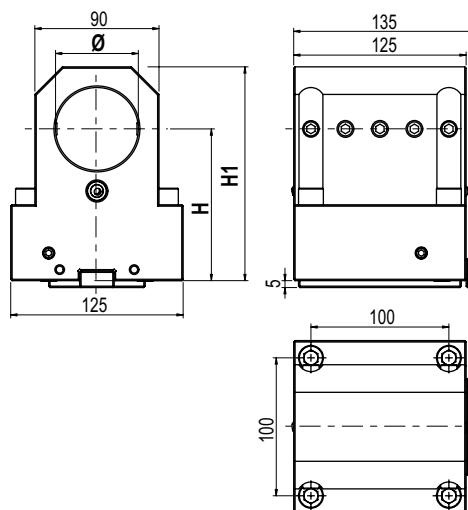
- **DOOSAN:** PUMA VT900M (TM/M) + 18141VT1 - 100M (M) + 18141 - PUMA 600 (M/LM/M) + 18141 PUMA 700 (M/LM/M) + 18141 - PUMA 800 (M/LM) - PUMA VT1100 (M)



Code	W	
T.BMT.85B13232H	32	



Code	W	
T.BMT.85C1323H	32	

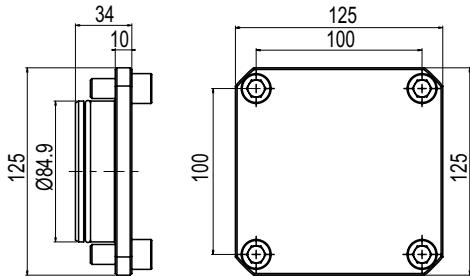


Code	Ø	H	H1	
T.BMT.85BB6085H	60	85	130	
T.BMT.85BB60110H	60	110	155	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DOOSAN

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
85


TIPO - TYPE

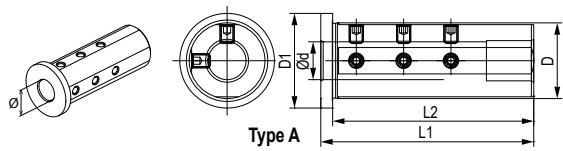
Tappo in acciaio
Steel Turret Cup**Code**

T.BMT.85Z10000H

BUSSOLE DI RIDUZONE PER PORTABARENI

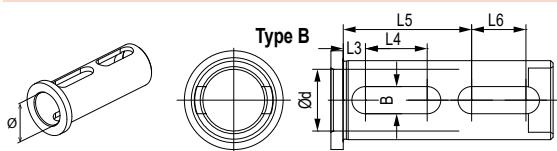
BORING BAR HOLDER REDUCTION SLEEVE

Bloccaggio con grani / Clamping with set-screws



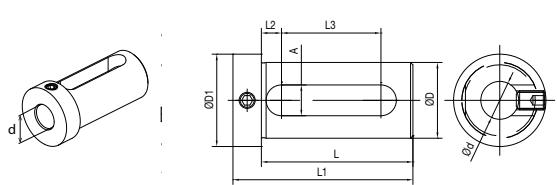
Code	ØD	Ød	ØD1	L1	L2	L3	L4	L5	L6	B	Type
T.B.A6020G	60	20	70	140	135	-	-				1
T.B.A6025G	60	25	70	140	135	-	13				2
T.B.A6032G	60	32	70	140	135	-	13				2
T.B.A6040G	60	40	70	140	135	-	13				2
T.B.B6050G	60	50	70	140	135	15					1

Bloccaggio con doppia asola / Clamping with double slot



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E6025k	60	25	94	108	9	71	14	69
T.B.E6032k	60	32	94	108	9	71	14	69
T.B.E6040k	60	40	94	108	9	71	14	69
T.B.E6050K	60	50	94	108	9	71	14	69

Bloccaggio con asola e grano \ Clamping with slot and set-screw





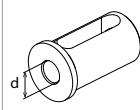
VDI 30 - 40 - 40 -60 BMT BOLT-ON

VDI30 Ø32



Code

T.V30.BB32100K

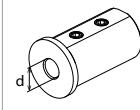


Ød	Code
Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K



Code

T.V30.BB3285K

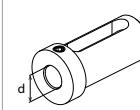


Ød	Code
Ø8	T.B.C3208K
Ø10	T.B.C3210K
Ø12	T.B.C3212K



Code

T.V30.BBD3285K



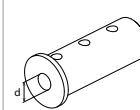
Ød	Code
Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K

BOLT-ON Ø40-50



Code

T.MS.B00BB4040K
T.MS.B00BB5040K

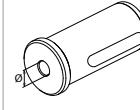


Ød	Code	Ød	Code
Ø32	T.B.MS4032G	Ø16	T.B.MS4016G
Ø25	T.B.MS4025G	Ø12	T.B.MS4012G
Ø20	T.B.MS4020G	Ø10	T.B.MS4010G
Ø16	T.B.MS4016G	Ø8	T.B.MS4008G



Code

T.MS.B00BB4040K

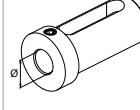


Code			
T.B.MS40.MT3			
T.B.MS40.MT2			



Code

T.MS.B00BBC4040RK1



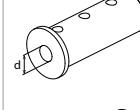
Ød	Code	Ød	Code
Ø16	T.B.E4016k	Ø25	T.B.E5025k
Ø20	T.B.E4020k	Ø32	T.B.E5032k
Ø25	T.B.E4025k	Ø40	T.B.E5040k
Ø32	T.B.E4032k		

BOLT-ON Ø32



Code

T.MS.B00BBB32K



Ød	Code	Ød	Code
Ø25	T.B.MS3225G	Ø12	T.B.MS3212G
Ø20	T.B.MS3220G	Ø10	T.B.MS3210G
Ø16	T.B.MS3216G	Ø8	T.B.MS3208G

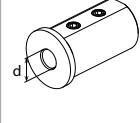
Ød	Code
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Ø20	T.B.E3220K
Ø25	T.B.E3225K

GOODWAY / CMZ

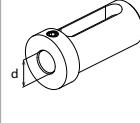
Ød	Code	Ød	Code
Ø8	T.B.C2508K	Ø8	T.B.C4008K
Ø10	T.B.C2510K	Ø10	T.B.C4010K
Ø12	T.B.C2512K	Ø12	T.B.C4012K



Ød	Code	Ød	Code
Ø8	T.B.D2508K	Ø20	T.B.D4020K
Ø10	T.B.D2510K	Ø25	T.B.D4025K
Ø12	T.B.D2512K	Ø32	T.B.D4032K



Ød	Code	Ød	Code
Ø12	T.B.E2512K	Ø16	T.B.E3216K
Ø16	T.B.E2516K	Ø20	T.B.E3220K
Ø20	T.B.E2520K	Ø25	T.B.E3225K



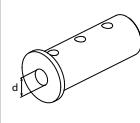
Ød	Code
Ø25	T.B.MS3225G
Ø20	T.B.MS3220G
Ø16	T.B.MS3216G
Ø12	T.B.MS3212G
Ø10	T.B.MS3210G
Ø8	T.B.MS3208G

BMT 40 Ø32



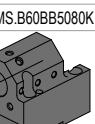
Code

T.MS.B40BBC32100RK



Ød	Code	Ød	Code
Ø32	T.B.MS3225G	Ø16	T.B.MS4016G
Ø25	T.B.MS3220G	Ø12	T.B.MS4012G
Ø20	T.B.MS3216G	Ø10	T.B.MS4010G

Ød	Code
Ø16	T.B.E4016k
Ø20	T.B.E4020k
Ø25	T.B.E4025k
Ø32	T.B.E4032k



Ød	Code	Ød	Code
Ø25	T.B.MS3225G	Ø12	T.B.MS3212G
Ø20	T.B.MS3220G	Ø10	T.B.MS3210G
Ø16	T.B.MS3216G	Ø8	T.B.MS3208G

Ød	Code	Ød	Code
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Ø20	T.B.E3220K	Ø25	T.B.E3225K

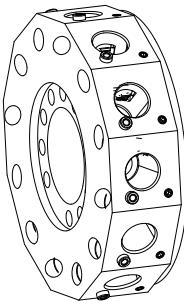
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

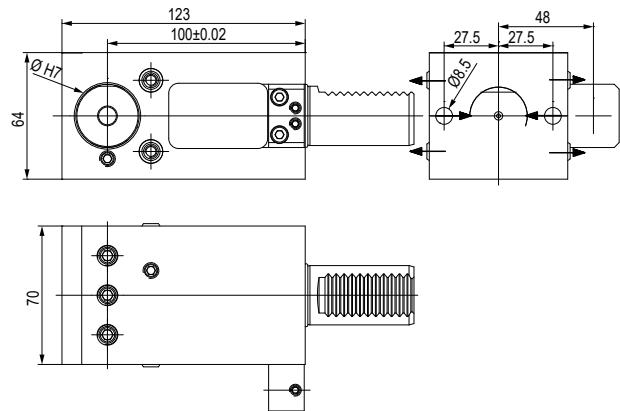
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**VDI
30**

ATTACCO / COUPLING

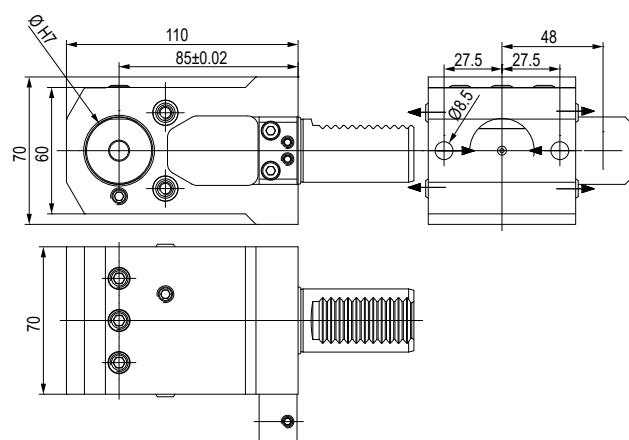


TORRETA RADIALE
RADIAL TURRET

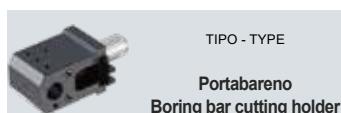


MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **VDI 30:** CTX310/410 V4/V6 - CTX320 V4/V6 CTX420 V4/V6 - CTX Alpha 300 V4 - CTX Alpha 500 V4/V6 - CTX Beta 500/800/1250 v4/v6 - TWIN 42/65/102 - SPRINT 65/50

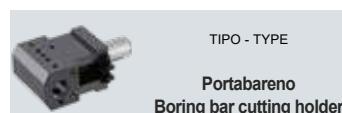
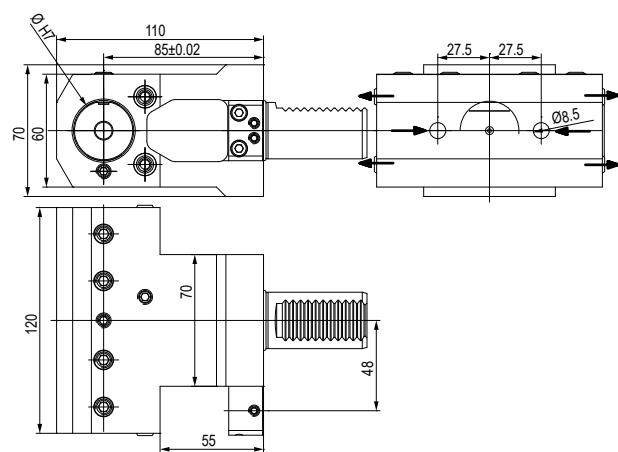


6



**REFRIGERANTE
COOLANT**
Esterno
External

Code	Ø	
T.V30.BB32100K	32	



**REFRIGERANTE
COOLANT**
Esterno
External

Code	Ø	
T.V30.BBD3285K	32	

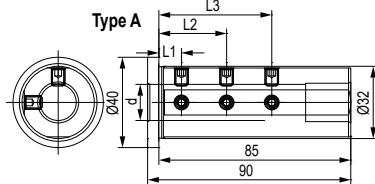
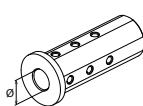
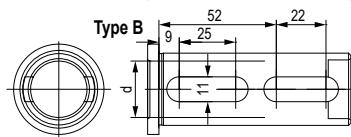
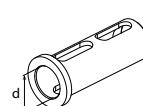
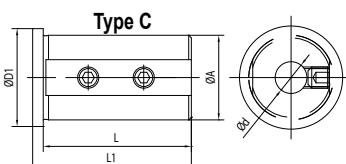
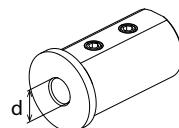
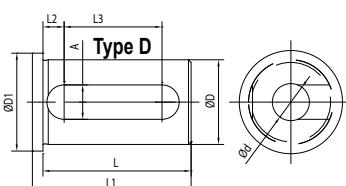
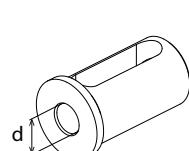
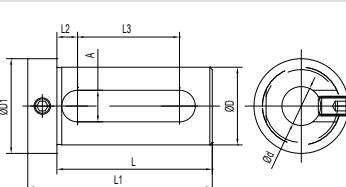
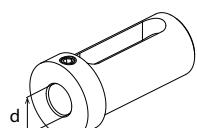
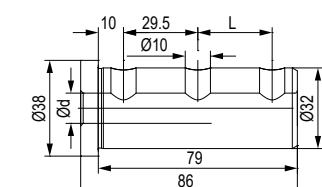
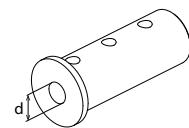
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZIONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

VDI
30
Bloccaggio con grani / Clamping with set-screws

Bloccaggio con doppia asola / Clamping with double slot

Bloccaggio con grani \ Clamping with set-screws

Bloccaggio con asola / Clamping with slot

Bloccaggio con asola e grano \ Clamping with slot and set-screw

Bloccaggio con grani \ Clamping with set-screws


Code	Ød	L1	L2	L3	Type
T.B.A3208G	8	8	35	-	A
T.B.A3210G	10	8	40	-	A
T.B.A3212G	12	8	40	-	A
T.B.A3216G	16	10	30	50	A
T.B.A3220G	20	10	30	50	A
T.B.B3225G	25	-	-	-	B

Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C3208K	32	8	56	60	-	-	-	37	C
T.B.C3210K	32	10	56	60	-	-	-	37	C
T.B.C3212K	32	12	56	60	-	-	-	37	C
T.B.D3216K	32	16	56	60	8	37	13	37	D
T.B.D3220K	32	20	56	60	8	37	13	37	D
T.B.D3225K	32	25	56	60	8	37	13	37	D

Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E3216K	32	16	64	76	8,5	42	13	48
T.B.E3220K	32	20	64	76	8,5	42	13	48
T.B.E3225K	32	25	64	76	8,5	42	13	48

Code	Ød	L
T.B.MS3208G	8	-
T.B.MS3210G	10	-
T.B.MS3212G	12	29,5
T.B.MS3216G	16	29,5
T.B.MS3220G	20	29,5
T.B.MS3225G	25	29,5

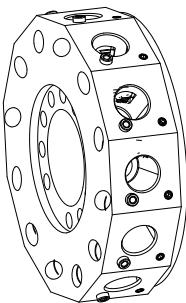
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

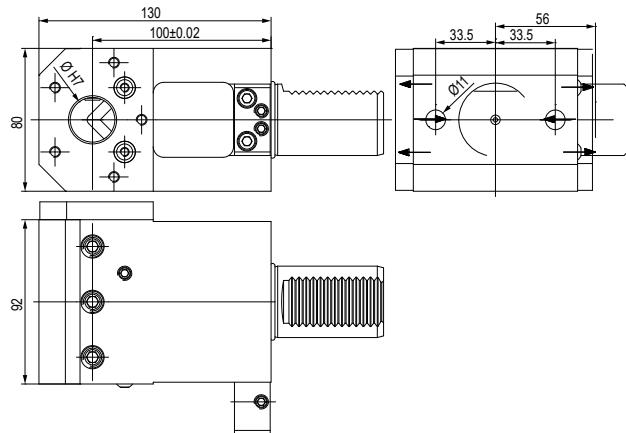
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**VDI
40**

ATTACCO / COUPLING

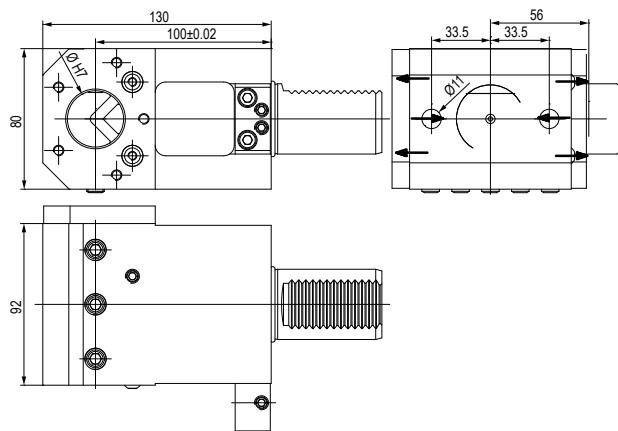


TORRETA RADIALE
RADIAL TURRET



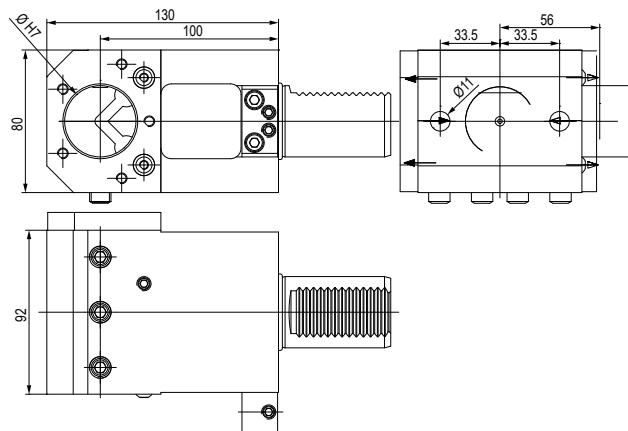
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **VDI 40:** CTX410 V4/V6 - CTX420 V4/V6 - CTX Alpha 300 V4 - CTX Beta 500/800/1250
v4/v6 TWIN 42/65/102 RG2 - GMX 250/300/400/500 - SPRINT 65



	TIPO - TYPE		REFRIGERANTE COOLANT
Portabareno Boring bar cutting holder			Esterno External
Code	Ø		
T.V40.BB25100K	25		

	TIPO - TYPE		REFRIGERANTE COOLANT
Portabareno Boring bar cutting holder			Esterno External
Code	Ø		
T.V40.BB25100K	25		



	TIPO - TYPE		REFRIGERANTE COOLANT
Portabareno Boring bar cutting holder			Esterno External
Code	Ø		
T.V40.BB40100K	40		

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

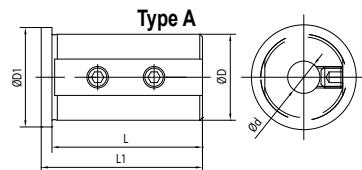
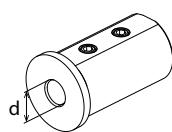
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZIONE PER PORTABARENI

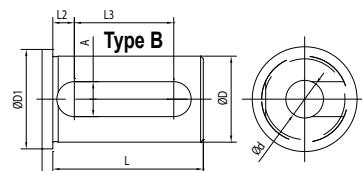
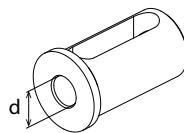
BORING BAR HOLDER REDUCTION SLEEVES

VDI
40

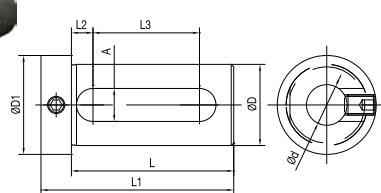
Bloccaggio con grani \ Clamping with set-screws



Bloccaggio con asola / Clamping with slot

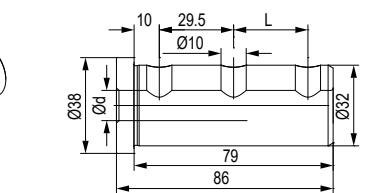
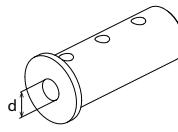


Bloccaggio con asola e grano \ Clamping with slot and set-screw



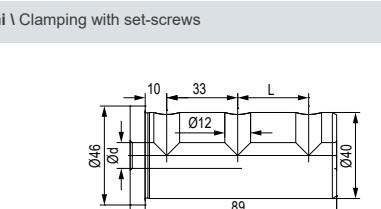
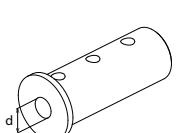
Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.E3216K	25	8	46	50	-	-	-	30	A
T.B.E3220K	25	10	46	50	-	-	-	30	A
T.B.E3225K	25	12	46	50	-	-	-	30	A
T.B.D2516K	25	16	46	50	8	27	13	30	B
T.B.D2520K	25	20	46	50	8	27	13	30	B
T.B.C3208K	32	8	56	60	-	-	-	37	A
T.B.C3210K	32	10	56	60	-	-	-	37	A
T.B.C3212K	32	12	56	60	-	-	-	37	A
T.B.D3216K	32	16	56	60	8	37	13	37	B
T.B.D3220K	32	20	56	60	8	37	13	37	B
T.B.D3225K	32	25	56	60	8	37	13	37	B
T.B.C4008K	40	8	71	75	-	-	-	45	A
T.B.C4010K	40	10	71	75	-	-	-	45	A
T.B.C4012K	40	12	71	75	-	-	-	45	A
T.B.D.4016K	40	16	71	75	8	52	13	45	B
T.B.D.4020K	40	20	71	75	8	52	13	45	B
T.B.D.4025K	40	25	71	75	8	52	13	45	B
T.B.D.4032K	40	32	71	75	8	52	13	45	B

Bloccaggio con grani \ Clamping with set-screws



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E2512K	25	12	55	67	8	32	13	33
T.B.E2516K	25	16	55	67	8	32	13	33
T.B.E2520K	25	20	55	67	8	32	13	39
T.B.E3216K	32	16	65	77	8	42	13	39
T.B.E3220K	32	20	65	77	8	42	13	39
T.B.E3225K	32	25	65	77	8	42	13	39
T.B.E4016K	40	16	75	89	9	51	14	48
T.B.E4020K	40	20	75	89	9	51	14	48
T.B.E4025K	40	25	75	89	9	51	14	48
T.B.E4032K	40	32	75	89	9	51	14	48

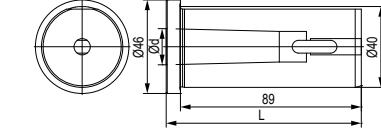
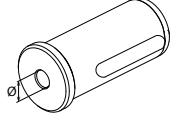
Bloccaggio con grani \ Clamping with set-screws



Code	Ød	L
T.B.MS3208G	8	-
T.B.MS3210G	10	-
T.B.MS3212G	12	29.5
T.B.MS3216G	16	29.5
T.B.MS3220G	20	29.5
T.B.MS3225G	25	29.5

Code	Ød	L
T.B.MS4008G	8	-
T.B.MS4010G	10	-
T.B.MS4012G	12	-
T.B.MS4016G	16	33
T.B.MS4020G	20	33
T.B.MS4025G	25	33
T.B.MS4032G	32	33

Bloccaggio con asola a finecorsa / Clamping with limit switch slot



Code	Morse	Ød	H
T.B.MS40.MT2	2	17.78	108
T.B.MS40.MT3	3	23.825	108

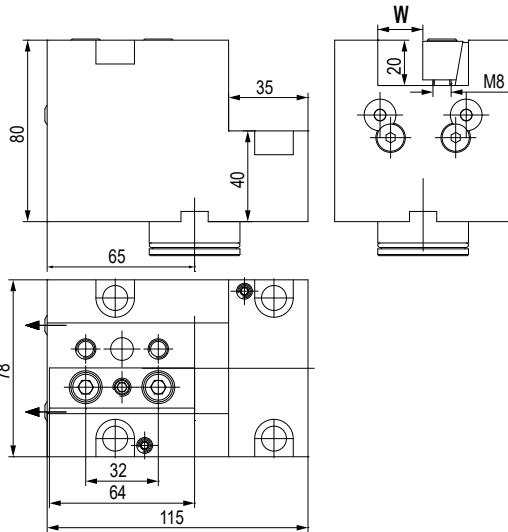
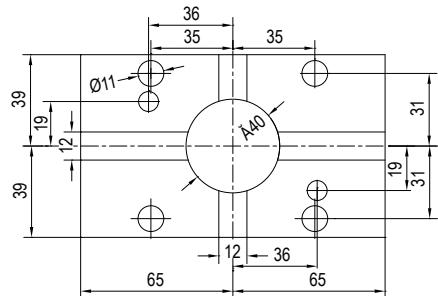
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

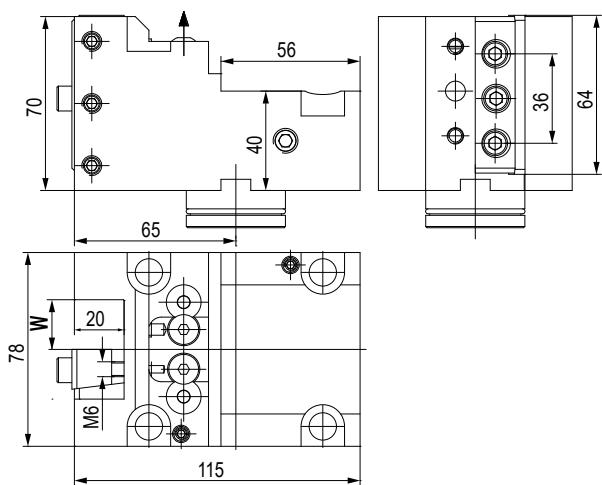
**BMT
40**

ATTACCO / COUPLING



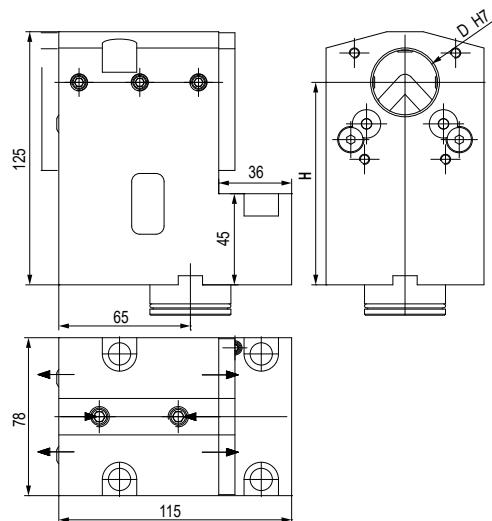
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **BMT40:** DURATURN 2050, 2550 (MC) - NL/NLX 1500/2000/2500 20 STATIONS
- NT, NTX 1000, 2000 NRX 2000 - NT 3000 / 3100 / 3150 / 3200 - NZ/NTZ 1000/2000/3000/3100/3150/3200 - NZ/NZX 1500/2000/2500 - LTX310ECO



REFRIGERANTE
COOLANT
Esterno
External

Code	W
T.MS.B40B12020K	20



REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H
T.MS.B40BBC32100RK	32	100

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

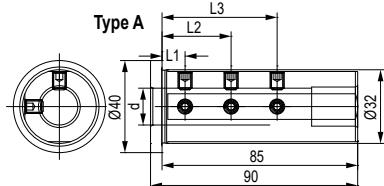
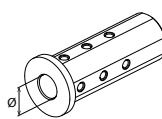
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

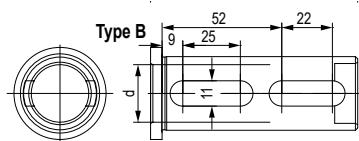
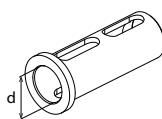
BORING BAR HOLDER REDUCTION SLEEVES

BMT
40

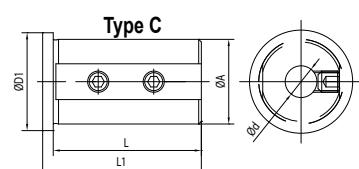
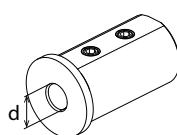
Bloccaggio con grani / Clamping with set-screws



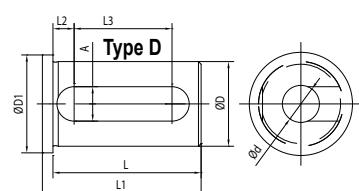
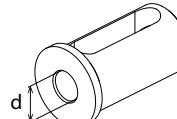
Bloccaggio con doppia asola / Clamping with double slot



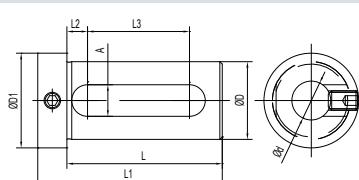
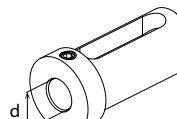
Bloccaggio con grani \ Clamping with set-screws



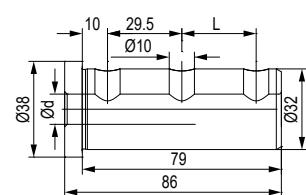
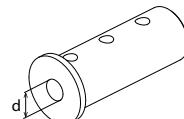
Bloccaggio con asola / Clamping with slot



Bloccaggio con asola e grano \ Clamping with slot and set-screw



Bloccaggio con grani \ Clamping with set-screws



Code	Ød	L1	L2	L3	Type
T.B.A3206G	6	-	-	-	A
T.B.A3208G	8	8	35	-	A
T.B.A3210G	10	8	40	-	A
T.B.A3212G	12	8	40	-	A
T.B.A3214G	14	-	-	-	A
T.B.A3216G	16	10	30	50	A
T.B.A3218G	18	-	-	-	A
T.B.A3220G	20	10	30	50	A
T.B.B3225G	25	-	-	-	B

Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C3208K	32	8	56	60	-	-	-	37	C
T.B.C3210K	32	10	56	60	-	-	-	37	C
T.B.C3212K	32	12	56	60	-	-	-	37	C
T.B.D3216K	32	16	56	60	8	37	13	37	D
T.B.D3220K	32	20	56	60	8	37	13	37	D
T.B.D3225K	32	25	56	60	8	37	13	37	D

Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.E3216K	32	16	64	76	8,5	42	13	48	
T.B.E3220K	32	20	64	76	8,5	42	13	48	
T.B.E3225K	32	25	64	76	8,5	42	13	48	

Code	Ød	L
T.B.MS3208G	8	-
T.B.MS3210G	10	-
T.B.MS3212G	12	29.5
T.B.MS3216G	16	29.5
T.B.MS3220G	20	29.5
T.B.MS3225G	25	29.5

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

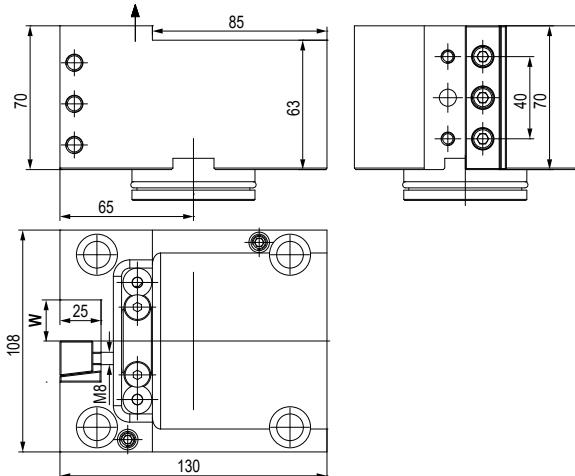
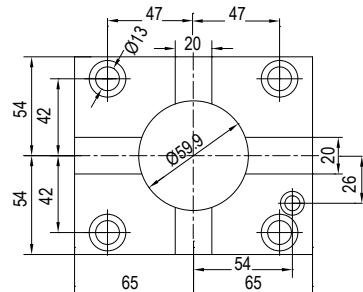
DMG-MORI

GOODWAY

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
60**

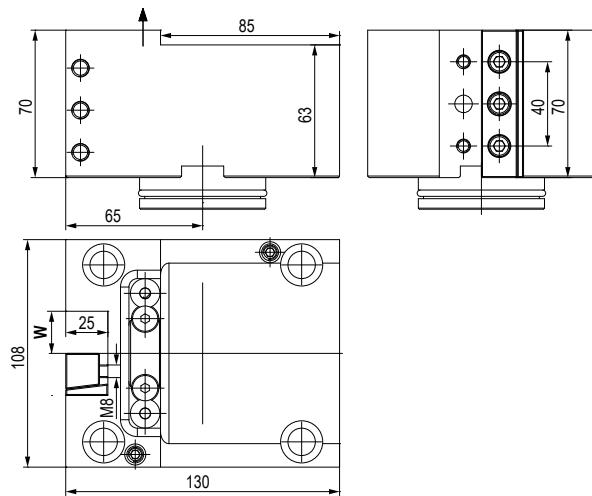
ATTACCO / COUPLING



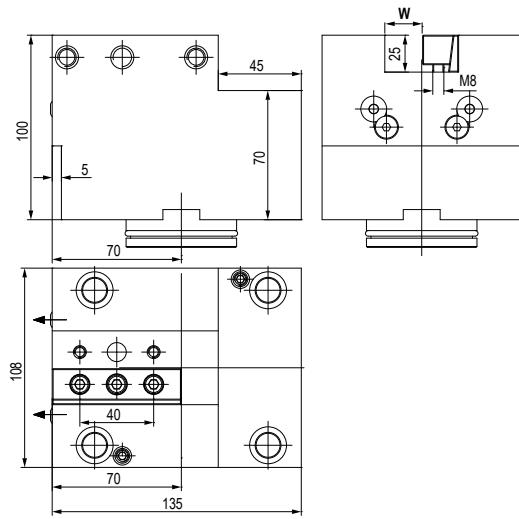
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **DMG MORI BMT 60:** NLX1500 - 2000 - 2500 - 3000 - 4000 12 STATIONS - NL2000 (S) MC - 2500 (S)MC NL3000MC 12 STATIONS - NT3250 - 4200 - 4250 - 4300 - 5400 - 4000 - 5000 - NZL 2000/2500 - NZX 2500 12 STATIONS - NTX 2000 - 2500 - 3000 - 2ND GEN. 10 STATIONS - (TX2500 BMT60)
- **GOODWAY BMT60:** G4/G5 200 - 2600/280 - 3000/3300 - 3600 - GS2000 - GS3000 - GS4000 SERIES

6



TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro radiale Radial face and cutting holder	Esterno External
Code	W
T.MS.B60C1D2525K	25

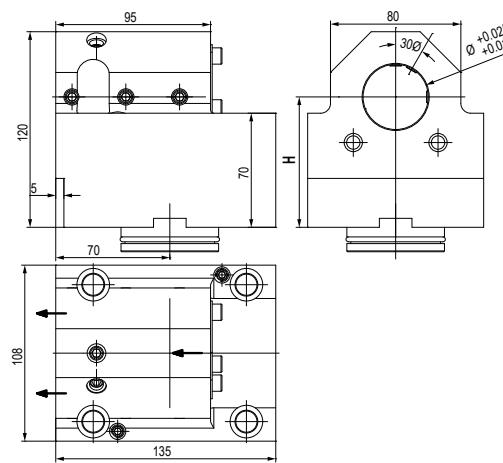
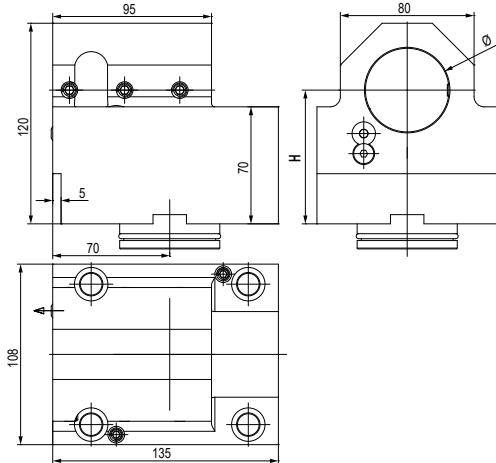


TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro assiale Axial face and cutting holder	Esterno External
Code	W
T.MS.B60B12525K	25

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI
GOODWAY

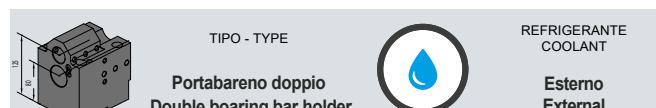
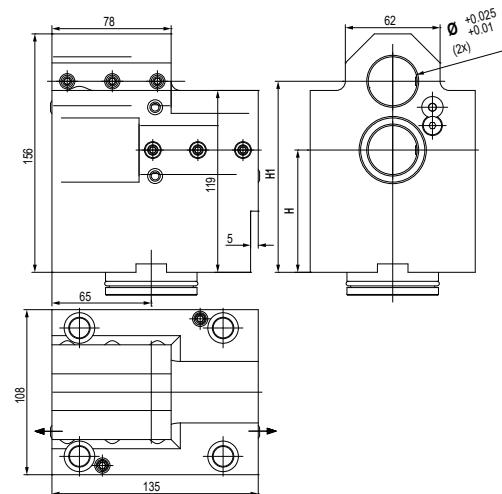
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
60**


Code	Ø	H	
T.MS.B60BB4080K	40	80 ±0,002	
T.MS.B60BB5080K	50	80 ±0,002	



Code	Ø	H	
T.MS.B60BB4080RK	40	80 ±0,002	



Code	Ø	H	H1	
T.MS.B60BBD32K	32	80 ±0,002	125 ±0,002	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

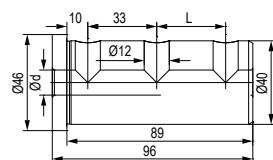
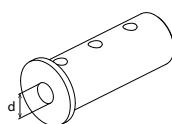
GOODWAY

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
60

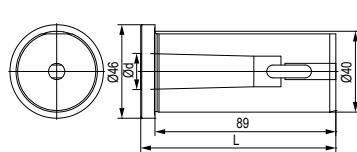
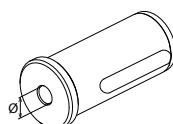
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grani \ Clamping with set-screws



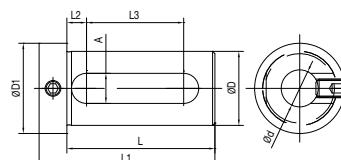
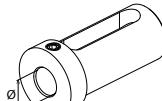
Code	Ød	L
T.B.MS4008G	8	-
T.B.MS4010G	10	-
T.B.MS4012G	12	-
T.B.MS4016G	16	33
T.B.MS4020G	20	33
T.B.MS4025G	25	33
T.B.MS4032G	32	33

Bloccaggio con asola a finecorsa / Clamping with limit switch slot



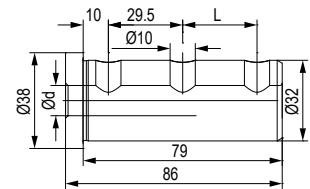
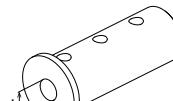
Code	Morse	Ød	H
T.B.MS40.MT2	2	17.78	108
T.B.MS40.MT3	3	23.825	108

Bloccaggio con asola e grano \ Clamping with slot and set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016k	40	16	74	88	9	51	14	48
T.B.E4020k	40	20	74	88	9	51	14	48
T.B.E4025k	40	25	74	88	9	51	14	48
T.B.E4032k	40	32	74	88	9	51	14	48
T.B.E5025k	50	25	84	98	9	61	14	59
T.B.E5032k	50	32	84	98	9	61	14	59
T.B.E5040k	50	40	84	98	9	61	14	59

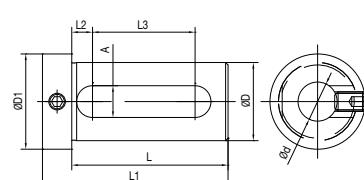
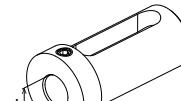
Bloccaggio con grani \ Clamping with set-screws



Code	Ød	L
T.B.MS3208G	8	-
T.B.MS3210G	10	-
T.B.MS3212G	12	29.5
T.B.MS3216G	16	29.5
T.B.MS3220G	20	29.5
T.B.MS3225G	25	29.5

BUSSOLE DI RIDUZONE PER PORTABARENI DOPPI DOUBLE BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con asola e grano \ Clamping with slot and set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E3216K	32	16	64	76	8,5	42	13	39
T.B.E3220K	32	20	64	76	8,5	42	13	39
T.B.E3225K	32	25	64	76	8,5	42	13	39

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

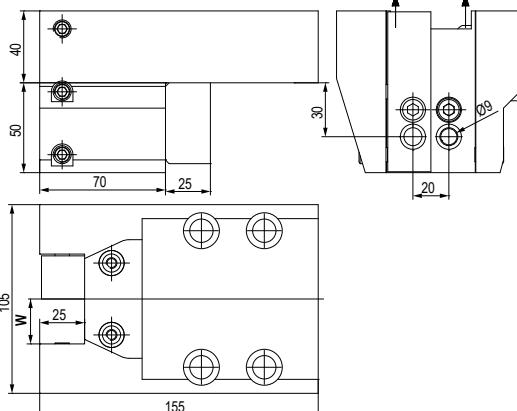
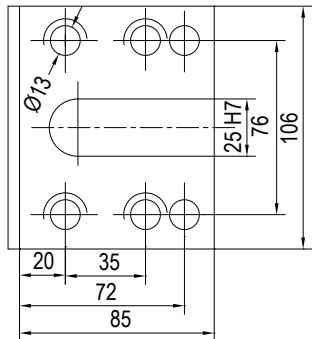
DMG-MORI

GOODWAY

CMZ

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING


BMT
BOLT
ON
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

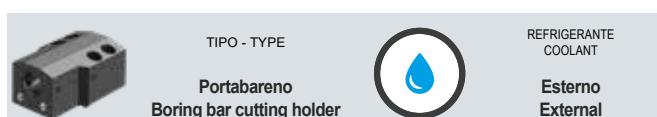
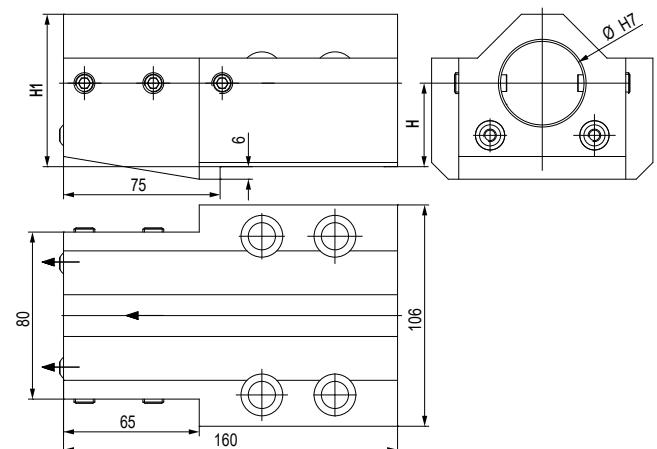
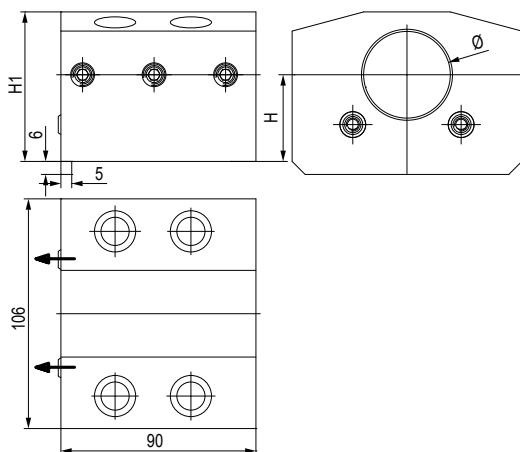
- **DMG MORI BOLT-ON:** CL200/203 - SL20/25 - SL200/203/204/250/253/254 (MC,SMC) - 2500Y - ZL200(MC) - ZL250(SMC)

- **CMZ BOLT-ON:**
TBI520 - TL20/25 (M/TM/MS) - TC15/20/25/30/35 (M/Y/MS/YS) - TA15/20/25/30 (M/Y/MS/YS) - TD15/20/25/30/35/45/55 (M/Y/MS/YS)

- **GOODWAY BOLT-ON:**
GS200/230/260/280 (M/MS) - GA2000/2600/2800/3000/3300/3600 (M)



Code	W	
T.MS.B00C12525LK1	25	



Code	Ø	H	H1	
T.MS.B00BB4040K	40	40 ±0,02	69	
T.MS.B00BB5040K	50	40 ±0,02	74	

Code	Ø	H	H1	
T.MS.B00BB4040LK	40	40 ±0,02	73	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

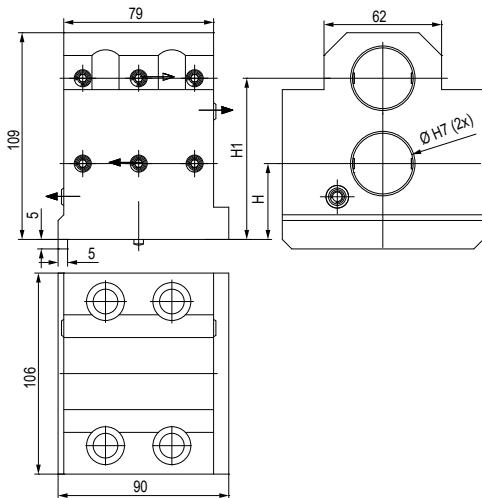
DMG-MORI

GOODWAY

CMZ

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
BOLT
ON

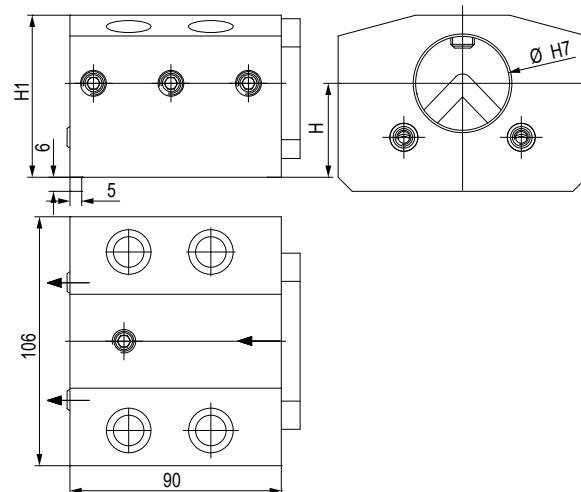


TIPO - TYPE
Portabareno doppio
Double boring bar holder



REFRIGERANTE
COOLANT
Esterno
External

Code	Ø	H	H1	
T.MS.B00BBD32K	32	40	85	

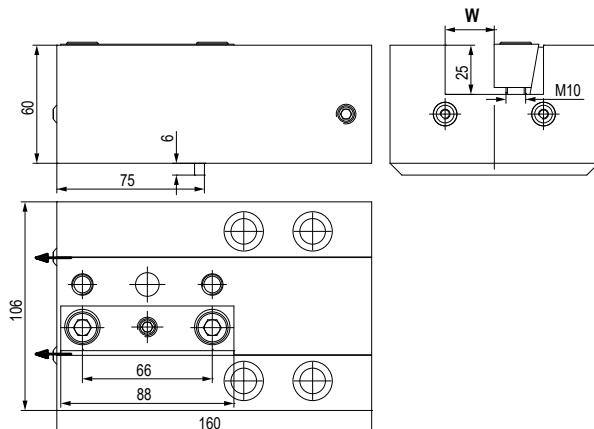


TIPO - TYPE
Portabareno
Boring bar cutting holder



REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.MS.B00BBC4040RK	40	40 ±0,02	69	



TIPO - TYPE
Stelo quadro assiale
Axial face and cutting holder



REFRIGERANTE
COOLANT
Esterno
External

Code	W	
T.MS.B00B12525LK	25	

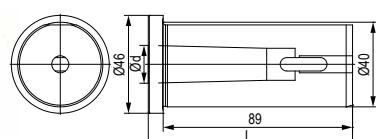
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES
DMG-MORI**GOODWAY****CMZ**

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

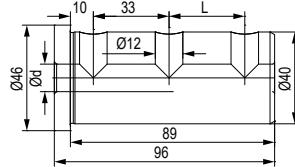
BMT
BOLT
ON

Bloccaggio con asola a finecorsa / Clamping with limit switch slot



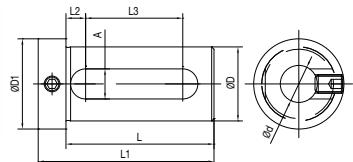
Code	Morse	Ød	L
T.B.MS40.MT2	2	17.78	96
T.B.MS40.MT3	3	23.825	108

Bloccaggio con grani \ Clamping with set-screws



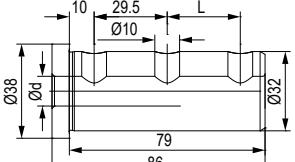
Code	Ød	L
T.B.MS4008K	8	-
T.B.MS4010K	10	-
T.B.MS4012K	12	-
T.B.MS4016K	16	33
T.B.MS4020K	20	33
T.B.MS4025K	25	33
T.B.MS4032K	32	33

Bloccaggio con grano \ Clamping with set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016k	40	16	74	88	9	51	14	48
T.B.E4020k	40	20	74	88	9	51	14	48
T.B.E4025k	40	25	74	88	9	51	14	48
T.B.E4032k	40	32	74	88	9	51	14	48
T.B.E5025k	50	25	84	98	9	61	14	59
T.B.E5032k	50	32	84	98	9	61	14	59
T.B.E5040k	50	40	84	98	9	61	14	59

Bloccaggio con grani \ Clamping with set-screws

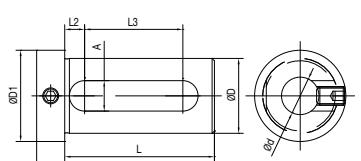


Code	Ød	L
T.B.MS3208K	8	-
T.B.MS3210K	10	-
T.B.MS3212K	12	29.5
T.B.MS3216K	16	29.5
T.B.MS3220K	20	29.5
T.B.MS3225K	25	29.5

BUSSOLE DI RIDUZONE PER PORTABARENI DOPPI DOUBLE BORING BAR HOLDER REDUCTION SLEEVES

6

Bloccaggio con asola \ Clamping with slot



Code	ØD	Ød	L	I1	I2	I3	A	ØD1
T.B.E3216K	32	16	64	76	8.5	42	13	39
T.B.E3220K	32	20	64	76	8.5	42	13	39
T.B.E3225K	32	25	64	76	8.5	42	13	39

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

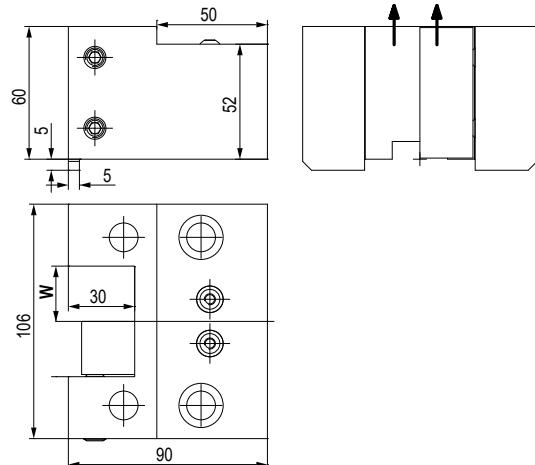
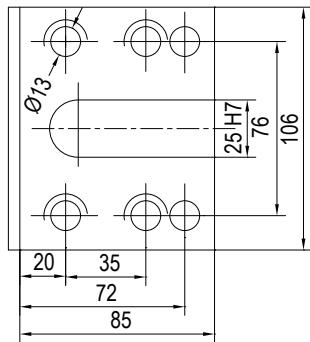
DMG-MORI

GOODWAY

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
BOLT
ON

ATTACCO / COUPLING



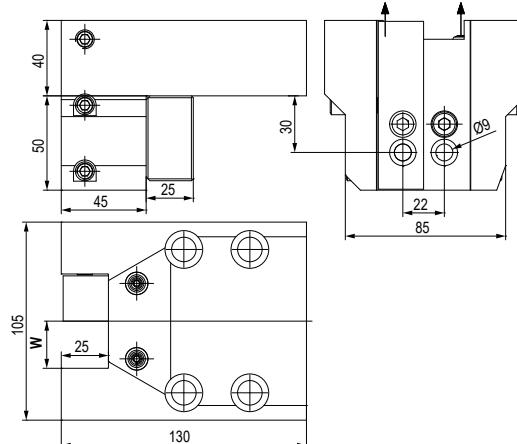
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **DMG MORI BOLT-ON:**

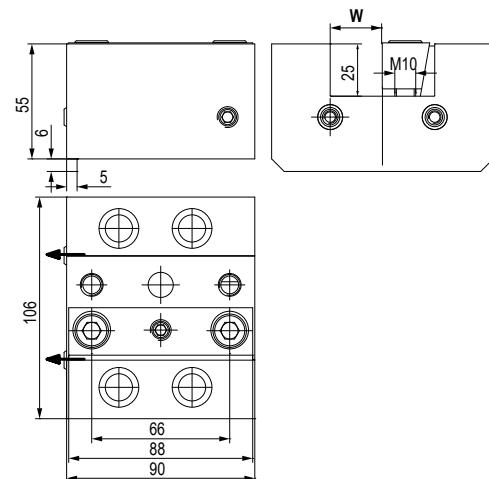
CL200/203 - SL20/25 - SL200/203/204/250/253/254(MC,SDM)2500Y - ZL/DL200/250(MC)

- **GOODWAY BOLT-ON:**

GS200/260/280 - GA2000/2600/2800 - GA3000/3300/3600



Code	W
T.MS.B00C12525K	25



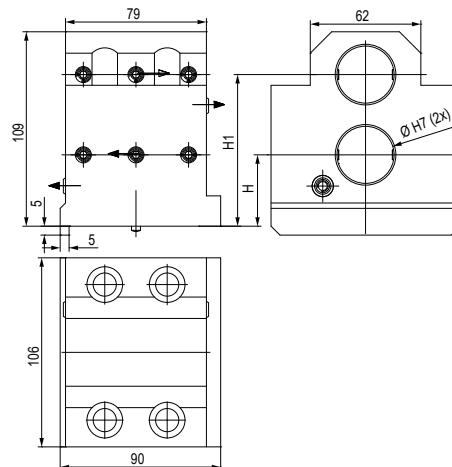
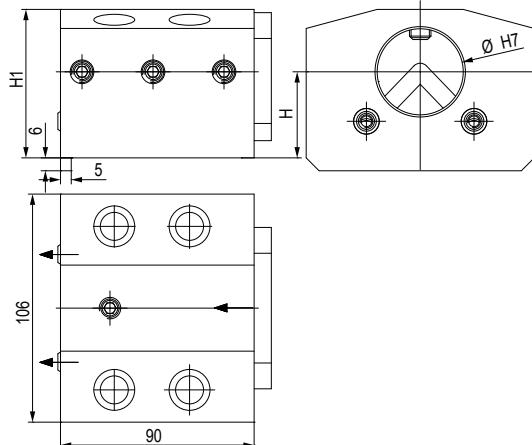
Code	W
T.MS.B00B12525K	25

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

GOODWAY

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

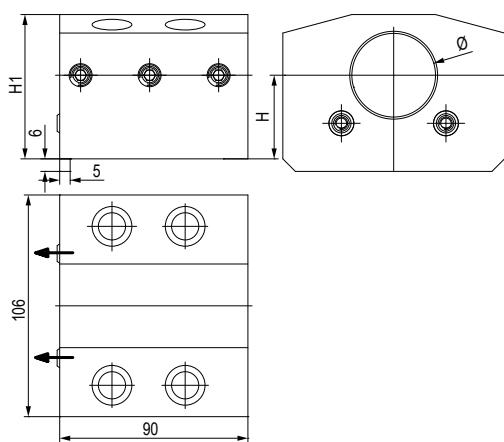

BMT
BOLT
ON

TIPO - TYPE
Portabareno
Boring bar cutting holder REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.MS.B00BBC4040RK	40	40 ±0,02	69	

TIPO - TYPE
Portabareno doppio
Double boring bar holder REFRIGERANTE
COOLANT
Esterno
External

Code	Ø	H	H1	
T.MS.B00BBD32K	32	40 ±0,02	85 ±0,02	



TIPO - TYPE
Portabareno
Boring bar cutting holder REFRIGERANTE
COOLANT
Esterno
External

Code	Ø	H	H1	
T.MS.B00BB4040K	40	40 ±0,02	69	
T.MS.B00BB5040K	50	40 ±0,02	74	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

DMG-MORI

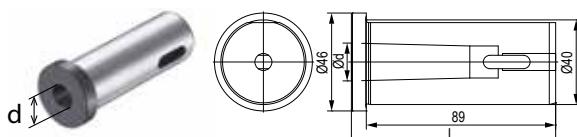
GOODWAY

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
BOLT
ON

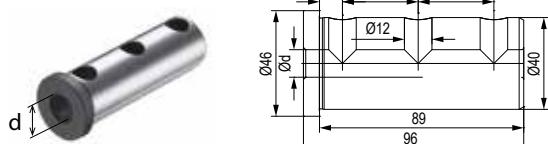
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con asola a finecorsa / Clamping with limit switch slot



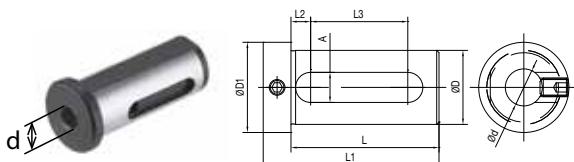
Code	Morse	Ød	L
T.B.MS40.MT2	2	17.78	96
T.B.MS40.MT3	3	23.825	108

Bloccaggio con grani \ Clamping with set-screws



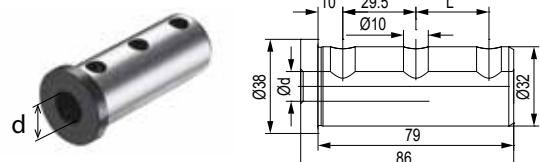
Code	Ød	L
T.B.MS4008K	8	-
T.B.MS4010K	10	-
T.B.MS4012K	12	-
T.B.MS4016K	16	33
T.B.MS4020K	20	33
T.B.MS4025K	25	33
T.B.MS4032K	32	33

Bloccaggio con grano \ Clamping with set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016K	40	16	74	88	9	51	14	48
T.B.E4020K	40	20	74	88	9	51	14	48
T.B.E4025K	40	25	74	88	9	51	14	48
T.B.E4032K	40	32	74	88	9	51	14	48
T.B.E5025K	50	25	84	98	9	61	14	59
T.B.E5032K	50	32	84	98	9	61	14	59
T.B.E5040K	50	40	84	98	9	61	14	59

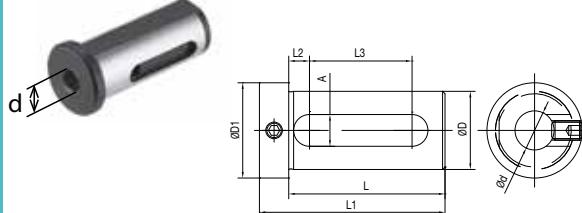
Bloccaggio con grani \ Clamping with set-screws



Code	Ød	L
T.B.MS3208K	8	-
T.B.MS3210K	10	-
T.B.MS3212K	12	29.5
T.B.MS3216K	16	29.5
T.B.MS3220K	20	29.5
T.B.MS3225K	25	29.5

BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVE

Bloccaggio con asola \ Clamping with slot



Code	ØD	Ød	L	I1	I2	I3	A	ØD1
T.B.E3216K	32	16	64	76	8,5	42	13	39
T.B.E3220K	32	20	64	76	8,5	42	13	39
T.B.E3225K	32	25	64	76	8,5	42	13	39

VDI - BMT 65

BMT 65



Code

T.BMT.65B12020H
T.BMT.65B12525H



Code

T.BMT.65C122020H
T.BMT.65C12525H



Code

T.BMT.65C1D2020H
T.BMT.65C1D2525H



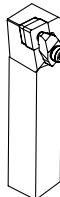
Code

T.BMT.65C2D2020H



Code

T.BMT.65H13200H



20x20mm
25x25mm

BMT 65 Ø32-40-50



Code

T.BMT.65BB4072H



Code

T.BMT.65BB50100H



Code

T.BMT.65BBD32H



32 mm

Ød	Code
-	T.B.L MT1
-	T.B.L MT2
-	T.B.L MT3

Ød	Code
Ø10	T.B.M4010G
Ø12	T.B.M4012G
Ø16	T.B.M4016G

Ød	Code
Ø8	T.B.C3208K
Ø10	T.B.C3210K
Ø12	T.B.C3212K

Ød	Code
Ø8	T.B.C4008K
Ø10	T.B.C4010K
Ø12	T.B.C4012K

Ød	Code
Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K

Ød	Code
Ø16	T.B.D4016K
Ø20	T.B.D4020K
Ø25	T.B.D4025K
Ø32	T.B.D4032K

Ød	Code
Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K

Ød	Code
Ø16	T.B.E4016K
Ø20	T.B.E4020K
Ø25	T.B.E4025K
Ø32	T.B.E4032K

Ød	Code
Ø25	T.B.E5025K
Ø32	T.B.E5032K
Ø40	T.B.E5040K

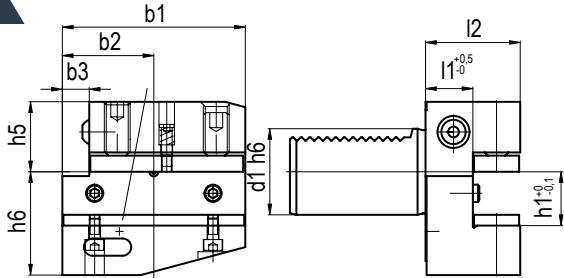
Visualizza le bussole di riduzione relative ai portautensili statici VDI a pagina 6.18 / You can check our reduction sleeves for static tools at page 6.18

MODELLI DI TORNIO COMPATIBILI **COMPATIBLE LATHE TYPES**

HAAS

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

HAAS
DIN 69880

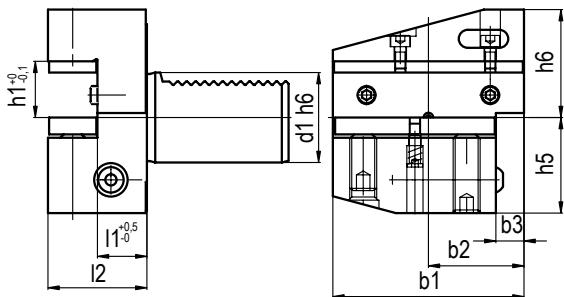


TIPO - TYPE **VDI B2**



**REFRIGERANTE
COOLANT**

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B2-30x20x40	30	70	35	10	20/16	28	38	22	40	
T.B2-40x25x44	40	85	42,5	12,5	25/20	32,5	48	22	44	
T.B2-50x32x55	50	100	50	16	32/25	35	60	30	55	
T.B2-60x32x60	60	125	62,5	16	32/25	42,5	62,5	30	60	



A photograph of a black plastic VDI B4 radial holder, showing its cylindrical shape and mounting base.

TIPO - TYPE **VDI B4**

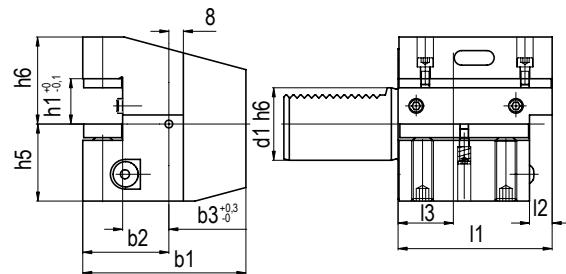
Radiale rovesciato Sinistro
SX upside-down radial holder



REFRIGERANTE
COOLANT

Esterno
External

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	
T.B4-30x20x40	30	70	35	10	20/16	35	38	22	40	
T.B4-40x25x44	40	85	42,5	12,5	25/20	42,5	48	22	44	
T.B4-50x32x55	50	100	50	16	32/25	50	60	30	55	
T.B4-60x32x60	60	125	62,5	16	32/25	62,5	62,5	30	60	

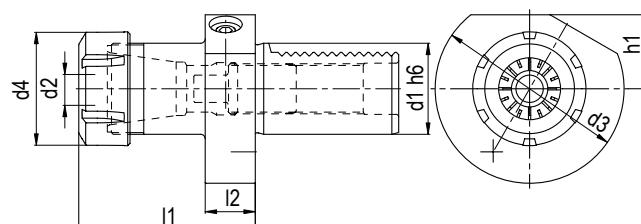


TIPO - TYPE VDI C4



**REFRIGERANT
COOLANT**

Code	d1	b1	b2	b3	h1	h5	h6	I1	I2	I3	
T.C4-30x20x70	30	70	35	17	20/16	28	38	70	10	30	
T.C4-40x25x85	40	85	42,5	21	25/20	32,5	48	85	12,5	30	
T.C4-50x32x100	50	100	50	26	32/25	35	60	100	16	40	
T.C4-60x32x125	60	125	62,5	33	32/25	42,5	62,5	125	16	40	



	TIPO - TYPE VDI E4 - DIN6499		REFRIGERANTE COOLANT
Portapinze ER Collet chuck for ER collets			Esterno & Interno External & Internal



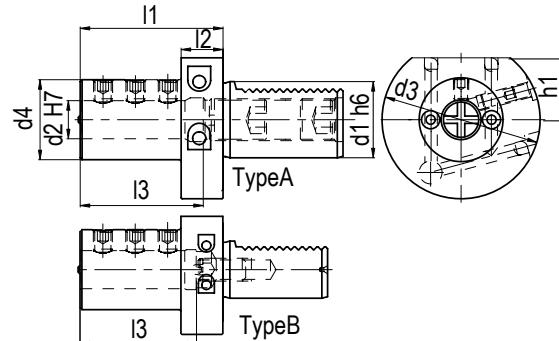
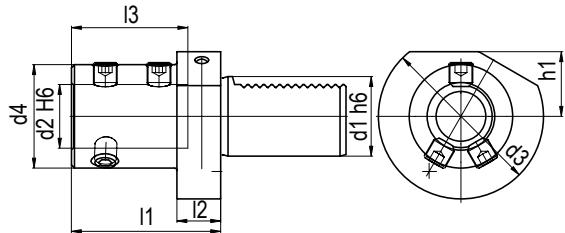
**REFRIGERANTE
COOLANT**

Code	VDI	d1	d2	d3	d4	h1	I1	I2	
TE4-3016	VDI30 - ER16	30	1-10	68	32	28	48	22	
TE4-3025	VDI30 - ER25	30	2-16	68	42	28	57	22	
TE4-3032	VDI30 - ER32	30	2-20	68	50	28	78	22	
TE4-3040	VDI30 - ER40	30	3-30	68	63	28	80	22	
TE4-4025	VDI40 - ER25	40	2-16	83	42	32,5	57	22	
TE4-4032	VDI40 - ER32	40	2-20	83	50	32,5	78	22	
TE4-4040	VDI40 - ER40	40	3-30	83	63	32,5	80	22	
TE4-5032	VDI50 - ER32	50	2-20	98	50	35	92	30	
TE4-5040	VDI50 - ER40	50	3-30	98	63	35	80	30	
TE4-6032	VDI60 - ER32	60	2-20	123	50	42,5	78	30	
TE4-6040	VDI60 - ER40	60	3-30	123	63	42,5	80	30	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

HAAS

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7



		TIPO - TYPE VDI E1		REFRIGERANTE COOLANT	Interno Internal	
Per punte ad inserti For indexable insert drill						

Code	d1	d2	d3	d4	h1	I1	I2	I3	
T.E1-30x16	30	16	68	36	28	67	22	54	
T.E1-30x20	30	20	68	40	28	67	22	54	
T.E1-30x25	30	25	68	45	28	71	22	58	
T.E1-30x32	30	32	68	52	28	75	22	61	
T.E1-30x40	40	40	68	65	28	90	22	72	
T.E1-40x16	40	16	83	36	32,5	67	22	54	
T.E1-40x20	40	20	83	40	32,5	67	22	54	
T.E1-40x25	40	25	83	45	32,5	75	22	59	
T.E1-40x32	40	32	83	52	32,5	75	22	61	
T.E1-40x40	40	40	83	65	32,5	90	22	73	
T.E1-40x50	40	50	83	70	32,5	100	22	83	
T.E1-50X16	50	16	98	36	35	80	30	54	
T.E1-50X20	50	20	98	40	35	80	30	54	
T.E1-50X25	50	25	98	45	35	80	30	59	
T.E1-50X32	50	32	98	52	35	80	30	63	
T.E1-50X40	50	40	98	65	35	90	30	73	
T.E1-50X50	50	50	98	75	35	100	30	83	
T.E1-60X20	60	20	123	40	42,5	80	30	54	
T.E1-60X25	60	25	123	45	42,5	80	30	59	
T.E1-60X32	60	32	123	52	42,5	80	30	63	
T.E1-60X40	60	40	123	65	42,5	90	30	73	
T.E1-60X50	60	50	123	75	42,5	100	30	83	

		TIPO - TYPE VDI E2		REFRIGERANTE COOLANT	Esterno & Interno External & Internal	
Portabareno Boaring bar holder						

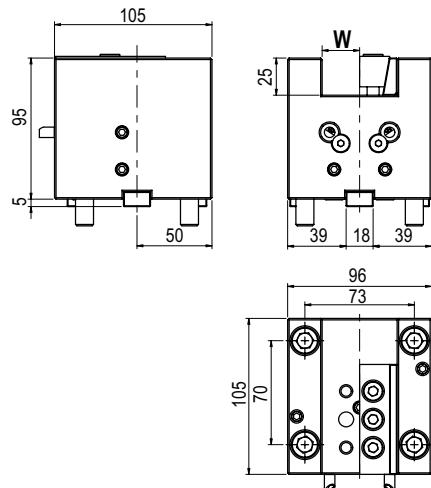
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T.E2-30x06	30	6	68	55	28	60	22	43	A
T.E2-30x08	30	8	68	55	28	60	22	43	A
T.E2-30x10	30	10	68	55	28	60	22	43	A
T.E2-30x12	30	12	68	55	28	60	22	43	A
T.E2-30x16	30	16	68	55	28	60	22	55	A
T.E2-30x20	30	20	68	55	28	60	22	54	B
T.E2-30x25	30	25	68	55	28	60	22	61	B
T.E2-30x32	30	32	68	67	28	75	22	66	B
T.E2-30x40	30	40	68	67	28	75	22	43	B
T.E2-40x06	40	6	83	55	32,5	75	22	43	A
T.E2-40x08	40	8	83	55	32,5	75	22	43	A
T.E2-40X10	40	10	83	55	32,5	75	22	54	A
T.E2-40X12	40	12	83	55	32,5	75	22	58	A
T.E2-40X16	40	16	83	55	32,5	75	22	61	A
T.E2-40X20	40	20	83	55	32,5	75	22	61	A
T.E2-40X25	40	25	83	55	32,5	75	22	61	B
T.E2-40X30	40	30	83	82	32,5	75	22	61	B
T.E2-40X32	40	32	83	82	32,5	75	22	61	B
T.E2-40X40	40	40	83	82	32,5	90	22	76	B
T.E2-40X50	40	50	98	98	35	100	-	86	B
T.E2-50X12	50	12	98	68	35	90	30	71	A
T.E2-50X16	50	16	98	68	35	90	30	76	A
T.E2-50X20	50	20	98	68	35	90	30	76	A
T.E2-50X25	50	25	98	68	35	90	30	76	A
T.E2-50X32	50	32	98	69	35	90	30	76	B
T.E2-50X40	50	40	98	98	35	90	-	76	B
T.E2-50X50	50	50	98	98	35	100	-	86	B
T.E2-60X16	60	16	123	68	42,5	90	30	76	A
T.E2-60X20	60	20	123	68	42,5	90	30	76	A
T.E2-60X25	60	25	123	68	42,5	90	30	76	A
T.E2-60X32	60	32	123	68	42,5	90	30	76	A
T.E2-60X40	60	40	123	98	42,5	90	30	76	B
T.E2-60X50	60	50	123	98	42,5	100	30	86	B

Visualizza le bussole di riduzione relative ai portautensili statici VDI a pagina 6.18 / You can check our reduction sleeves for static tools at page 6.18

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

HAAS

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

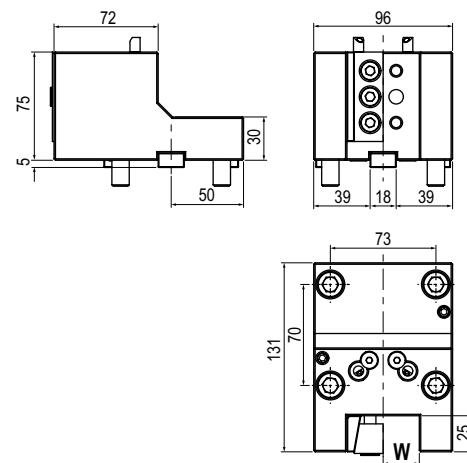
**BMT
65**


TIPO - TYPE

REFRIGERANTE
COOLANT
 Stelo quadro assiale
Axial face and cutting holder

 Esterno
External

Code	W	
T.BMT.65B12020H	20	
T.BMT.65B12525H	25	

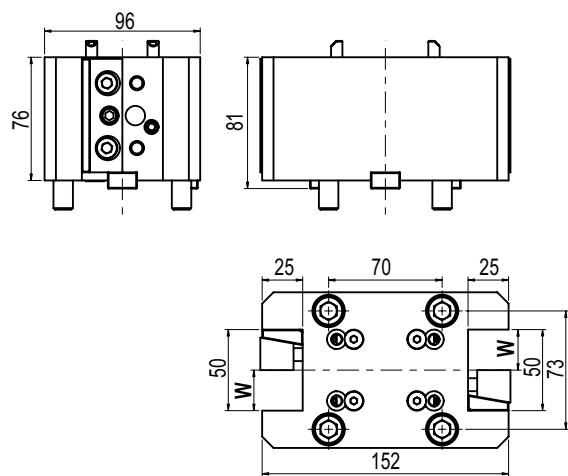


TIPO - TYPE

REFRIGERANTE
COOLANT
 Stelo quadro radiale
Radial face and cutting holder

 Esterno
External

Code	W	
T.BMT.65C122020H	20	
T.BMT.65C12525H	25	

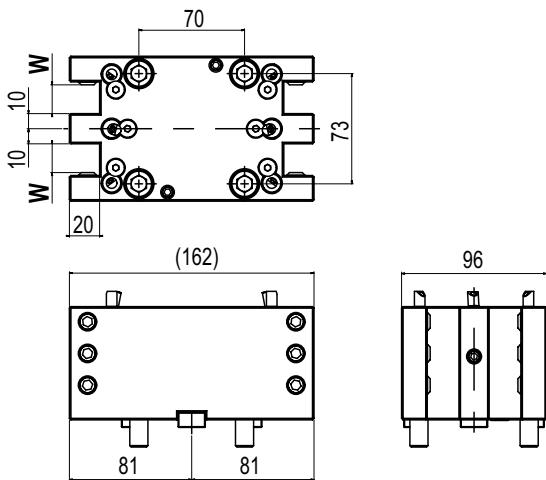


TIPO - TYPE

REFRIGERANTE
COOLANT
 Stelo quadro rad. doppio
2 RD face and cutting holder

 Esterno
External

Code	W	
T.BMT.65C1D2020H	20	
T.BMT.65C1D2525H	25	



TIPO - TYPE

REFRIGERANTE
COOLANT
 Stelo quadro rad. quadruplo
4 RD face and cutting holder

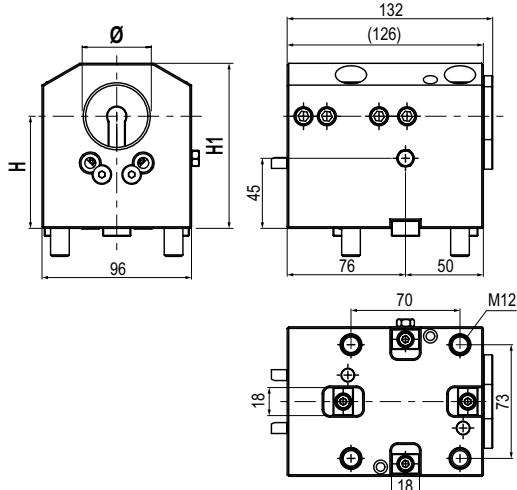
 Esterno
External

Code	W	
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MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

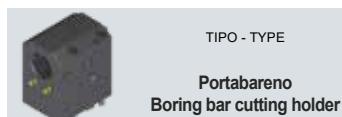
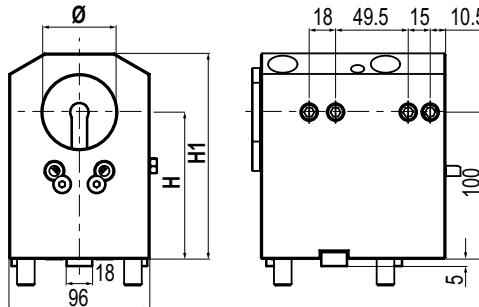
HAAS

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
65**

TIPO - TYPE
Portabareno
Boring bar cutting holder

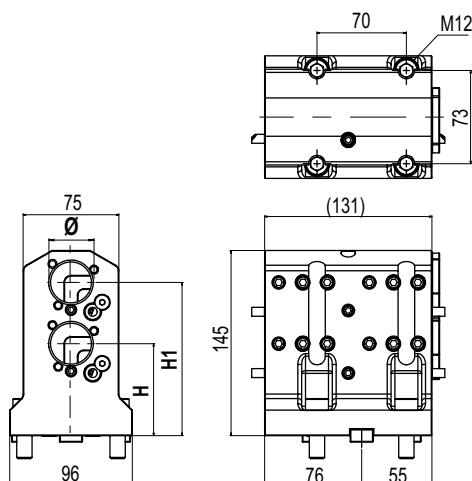
**REFRIGERANTE
COOLANT**
Esterno & Interno
External & Internal

Code	Ø	H	
T.BMT.65BB4072H	40	72	


TIPO - TYPE
Portabareno
Boring bar cutting holder

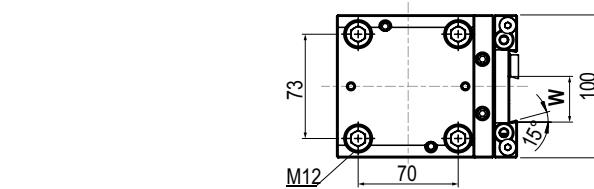
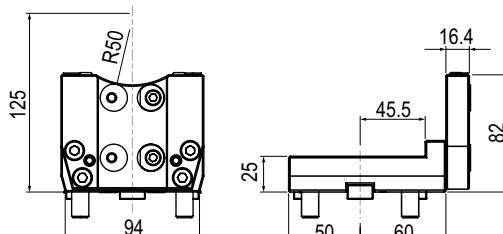
**REFRIGERANTE
COOLANT**
Esterno & Interno
External & Internal

Code	Ø	H	
T.BMT.65BB50100H	50	100	


TIPO - TYPE
Portabareno doppio
Double boring bar holder

**REFRIGERANTE
COOLANT**
Esterno & Interno
External & Internal

Code	Ø	H	H1	
T.BMT.65BBD32H	32	72	120	


TIPO - TYPE
Porta Lama
Cut off holder

**REFRIGERANTE
COOLANT**
Esterno
External

Code	W	
T.BMT.65H13200H	32	

MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

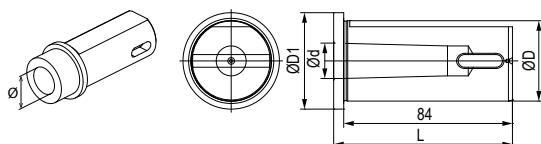
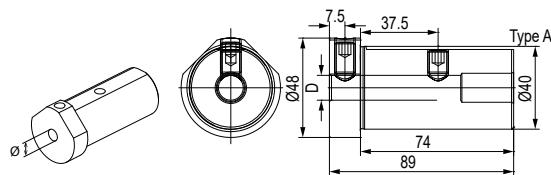
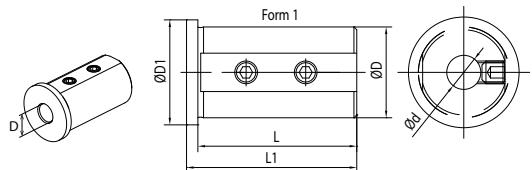
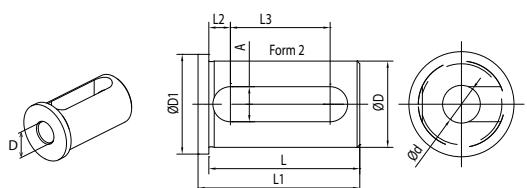
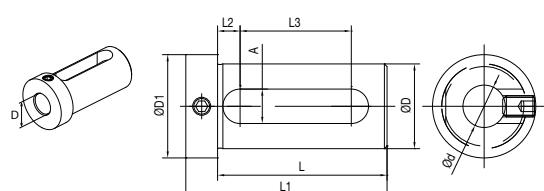
HAAS

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
65**

BUSSOLE DI RIDUZONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con asola \ Clamping with slot

Bloccaggio con grano \ Clamping with set-screw

Bloccaggio con grani \ Clamping with set-screws

Bloccaggio con asola / Clamping with slot

Bloccaggio con asola e grano \ Clamping with slot and set-screw


Code	Morse	ØD	Ød	ØD1	L
T.B.L MT1	1	40	12,065	48	89
T.B.L MT2	2	40	17,780	48	89
T.B.L MT3	3	40	23,825	48	110

Code	Ød	Type
T.B.M4010G	10	M
T.B.M4012G	12	M
T.B.M4016G	16	M

Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C3208K	32	8	56	60	-	-	-	37	C
T.B.C3210K	32	10	56	60	-	-	-	37	C
T.B.C3212K	32	12	56	60	-	-	-	37	C
T.B.C4008K	40	8	71	75	-	-	-	45	C
T.B.C4010K	40	10	71	75	-	-	-	45	C
T.B.C4012K	40	12	71	75	-	-	-	45	C
T.B.D3216K	32	16	56	60	8	37	13	37	D
T.B.D3220K	32	20	56	60	8	37	13	37	D
T.B.D3225K	32	25	56	60	8	37	13	37	D
T.B.D4016K	40	16	71	75	8	52	13	45	D
T.B.D4020K	40	20	71	75	8	52	13	45	D
T.B.D4025K	40	25	71	75	8	52	13	45	D
T.B.D4032K	40	32	71	75	8	52	13	45	D

Code	D	Ød	L	L1	L2	L3	A	D1
T.B.E3216K	32	16	64	76	8,5	42	13	39
T.B.E3220K	32	20	64	76	8,5	42	13	39
T.B.E3225K	32	25	64	76	8,5	42	13	39
T.B.E4016k	40	16	74	88	9	51	14	48
T.B.E4020k	40	20	74	88	9	51	14	48
T.B.E4025k	40	25	74	88	9	51	14	48
T.B.E4032k	40	32	74	88	9	51	14	48
T.B.E5025k	50	25	84	98	9	61	14	59
T.B.E5032k	50	32	84	98	9	61	14	59
T.B.E5040k	50	40	84	98	9	61	14	59

BMT - VDI 40/50 - BMT 68

Mazak

BMT - QTN1 Ø32



Code

T.53108000400



Code

T.53108000500



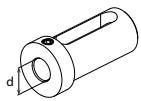
Ød Code

Ø8	T.B.C3208K
Ø10	T.B.C3210K
Ø12	T.B.C3212K



Ød Code

Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K



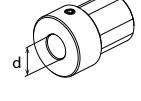
Ød Code

Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K



Ød Code

Ø12,065	T.B.MZ.MT1
Ø17,78	T.B.MZ.MT2



Ød Code

Ø20	T.B.MZ.MT220G
Ø25	T.B.MZ.MT225G

VDI 40



Code

T.53538000201

T.53518000201



Code

T.53638000400



Code

T.532080005100



Code

T.532080005100

Ød	Code
Ø8	*53178010700
Ø10	*53178010600
Ø12	*53178010500
Ø16	*53178010400
Ø20	*53178010300

Ød	Code
Ø25	*53178010200
Ø32	*53178010100

Ød	Code
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Ø25	*53208001100
Ø32	*53208001200
Ø20	T.B.MZ.MT220G
Ø25	T.B.MZ.MT225G

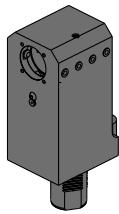
Ød	Code
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Ø10	T.B.C4010K
Ø12	T.B.C4012K

Ød	Code
Ø16	T.B.D.4016K
Ø20	T.B.D.4020K
Ø25	T.B.D.4025K
Ø32	T.B.D.4032K

Ød	Code
Ø16	T.B.E4016K
Ø20	T.B.E4020K
Ø25	T.B.E4025K
Ø32	T.B.E4032K

Ød	Code
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Ø17,78	T.B.MZ.MT2

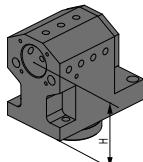
VDI 50



Code

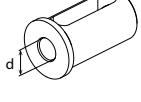
T.53308000201

BMT 68 Ø40



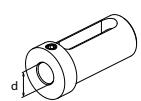
Code

T.MZ.68BBC4095H



Ød Code

Ø16	T.B.D.4016K
Ø20	T.B.D.4020K
Ø25	T.B.D.4025K
Ø32	T.B.D.4032K



Ød Code

Ø16	T.B.E4016K
Ø20	T.B.E4020K
Ø25	T.B.E4025K
Ø32	T.B.E4032K

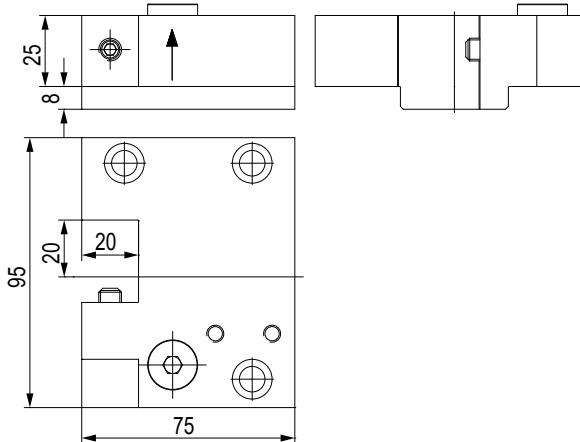
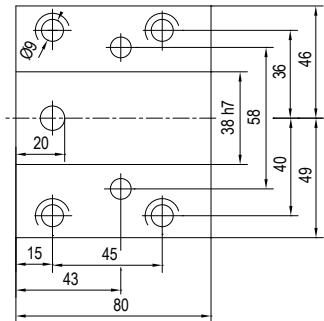
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

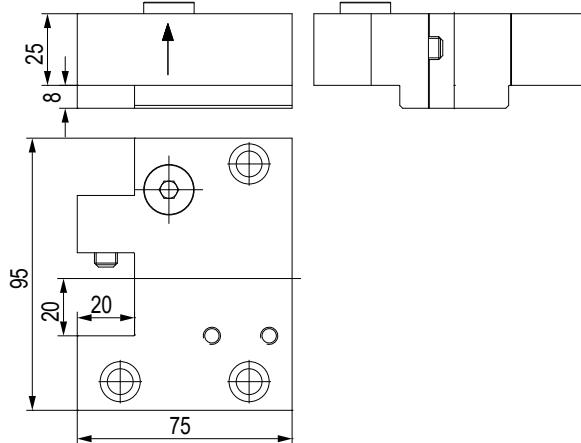
BMT
QTN1

ATTACCO / COUPLING



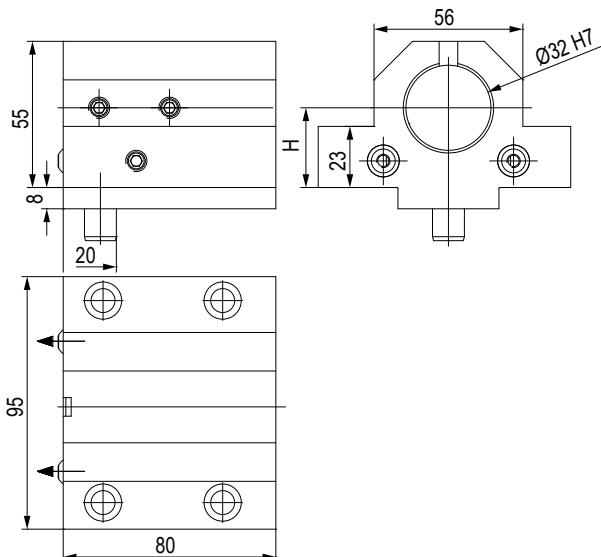
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **MAZAK NEXUS:**
QT NEXUS 100 (M/MS/MY/MSY)



	TIPO - TYPE Arretrato quadro Turning Holder FWD		REFRIGERANTE COOLANT Esterno External
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Code	W	Orientation	
T.53108000101	20	FWD	



	TIPO - TYPE Arretrato quadro Turning Holder RVD		REFRIGERANTE COOLANT Esterno External
Code	W	Orientation	
T.53108000201	20	RVD	

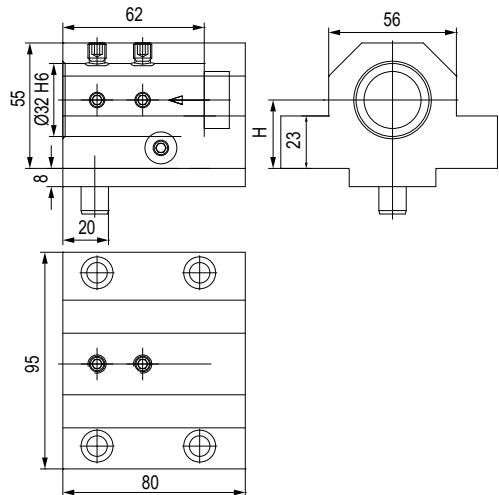
	TIPO - TYPE Portabareno Boring bar holder		REFRIGERANTE COOLANT Esterno & Interno External & Internal
--	---	--	---

Code	\varnothing	H	
T.53108000400	32	$30 \pm 0,02$	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7


BMT
QTN1

TIPO - TYPE
Portapunte
U' Drill Holder

REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H	
T.53108000500	32	30 ±0,02	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

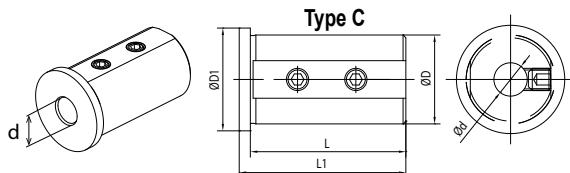
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
QTN1

BUSSOLE DI RIDUZONE PER PORTABARENI

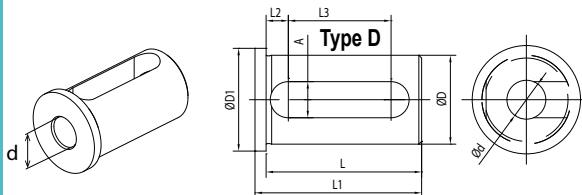
BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grano / Clamping with set-screw



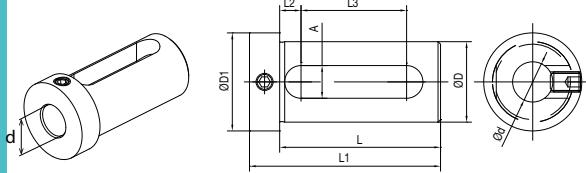
Code	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C3208K	8	56	60	-	-	-	C	.37
T.B.C3210K	10	56	60	-	-	-	C	37
T.B.C3212K	12	56	60	-	-	-	C	37
T.B.D3216K	16	2	56	60	8	37	D	13
T.B.D3220K	20	2	56	60	8	37	D	13
T.B.D3225K	25	2	56	60	8	37	D	13

Bloccaggio con asola / Clamping with slot



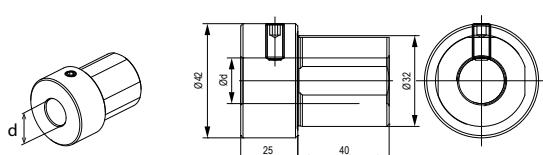
Code	Ød	L	L1	L2	L3	A	ØD1
T.B.E3216K	16	64	76	8,5	42	13	39
T.B.E3220K	20	64	76	8,5	42	13	39
T.B.E3225K	25	64	76	8,5	42	13	39

Bloccaggio con asola e grano / Clamping with slot and set-screw



Code	Ød	L	L1	L2	L3	L4	A
T.B.MZ.MT1	12,065	66	54	14	47	56	9,7
T.B.MZ.MT2	17,78	54	58	10	58	67	14,9

Bloccaggio con grano / Clamping with set-screw

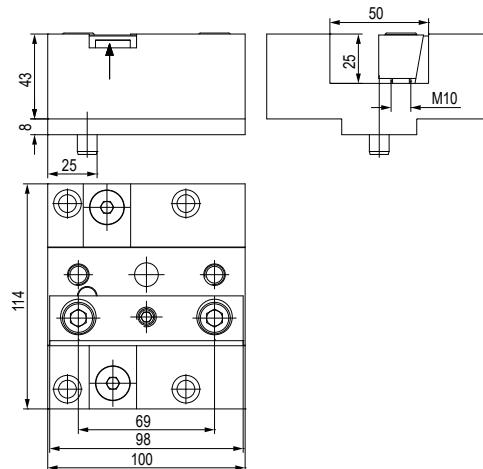
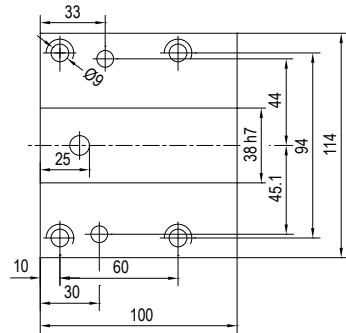
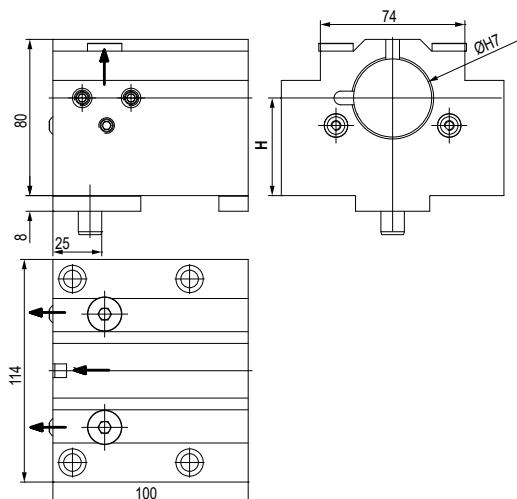


Code	Ød
T.B.MZ3220K	20
T.B.MZ3225K	25

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

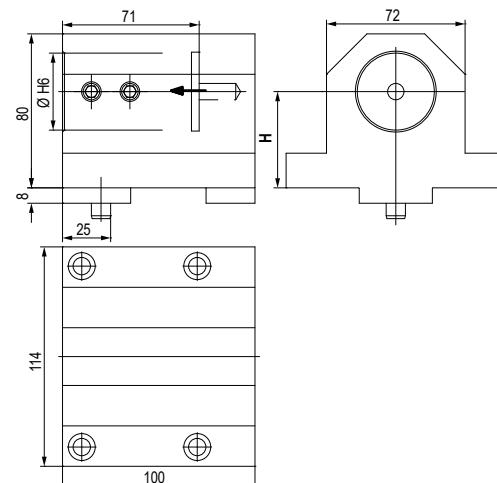
MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING

**BMT
QTN2**
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES
- MAZAK NEXUS:
QT NEXUS 200/250 (M/MS/MY/MSY)


	TIPO - TYPE		REFRIGERANTE COOLANT
	Portautensile a sfacciare Turning tool holder rev		Esterno External

Code	W	
T.53208000300	25	



	TIPO - TYPE		REFRIGERANTE COOLANT
	Portabareno Boring bar holder		Esterno & Interno External & Internal

	TIPO - TYPE		REFRIGERANTE COOLANT
	Portabareno Boring bar holder		Interno Internal

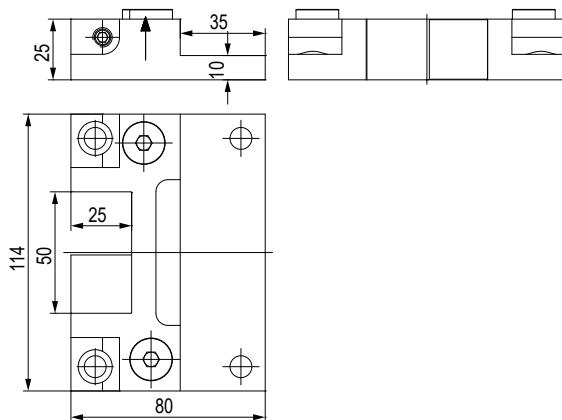
Code	Ø	H	
T.53378000304	40	50 ±0,02	

Code	Ø	H	
T.53208000100	40	50 ±0,02	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
QTN2

	TIPO - TYPE		REFRIGERANTE COOLANT
Arretrato Quadro Turning Tool Holder			Esterno External
Code	W		
T.53208000400	25		

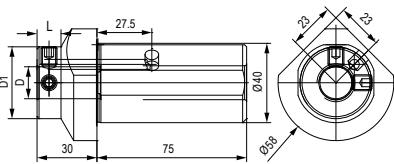
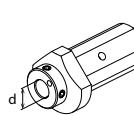
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

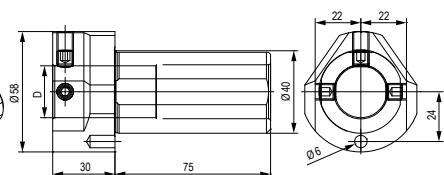
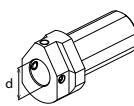
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

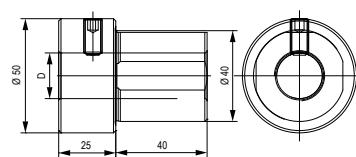
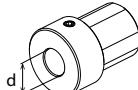
BORING BAR HOLDER REDUCTION SLEEVES

BMT
QTN2
Bloccaggio con battuta e gambo / Clamping with set-screws and on shaft


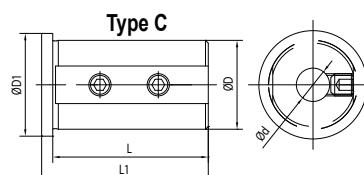
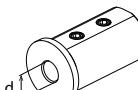
Code	Ød	ØD1	L
*53178010700	8	36	12
*53178010600	10	36	12
*53178010500	12	36	12
*53178010400	16	36	12
*53178010300	20	58	-

Bloccaggio con foro cieco e grani / Clamping with blind hole and set-screws


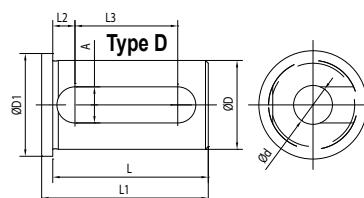
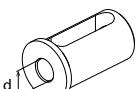
Code	Ød
*53178010200	25
*53178010100	32

Bloccaggio con grano / Clamping with set-screw


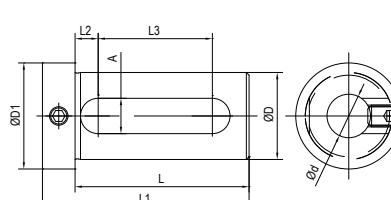
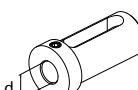
Code	Ød
*53208001000	20
*53208001100	25
*53208001200	32

Bloccaggio con grani / Clamping with collar and set-screws


Code	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C4008K	8	71	75	-	-	-	C	45
T.B.C4010K	10	71	75	-	-	-	C	45
T.B.C4012K	12	71	75	-	-	-	C	45
T.B.D.4016K	16	71	75	8	52	13	D	45
T.B.D.4020K	20	71	75	8	52	13	D	45
T.B.D.4025K	25	71	75	8	52	13	D	45
T.B.D.4032K	32	71	75	8	52	13	D	45

Bloccaggio con asola / Clamping with collar and slot


Code	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016k	16	74	88	9	51	14	48
T.B.E4020k	20	74	88	9	51	14	48
T.B.E4025k	25	74	88	9	51	14	48
T.B.E4032k	32	74	88	9	51	14	48

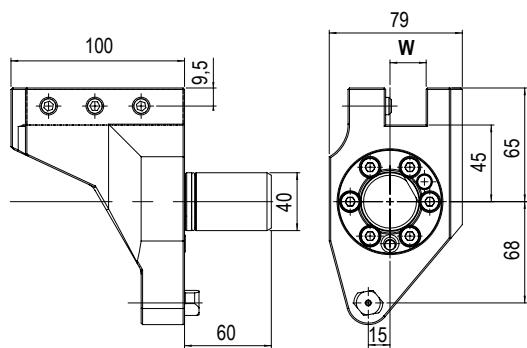
Bloccaggio con asola e grano / Clamping with slot and set-screw


MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

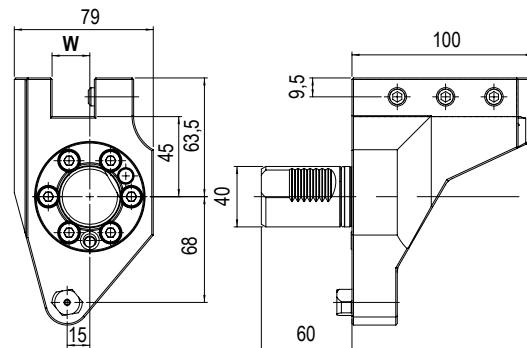
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

VDI40
QTN1
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES
- MAZAK QTN1 VDI 40:

 QTN 100/150 M/MS - QTN 200/250 (M/MS/MY/MSY) 16 STATIONS -
 SQT 15/18/200/250 (M/MS/MY/MSY) 16 STATIONS - SQT 100 M/MS


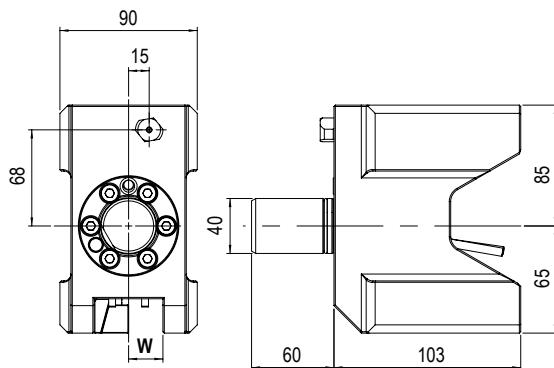
	TIPO - TYPE		REFRIGERANTE COOLANT
Arretrato Quadro Turning Tool Holder		Esterno External	

Code	W	Orientation	
T.53518000701	20	Sinistro - Left	



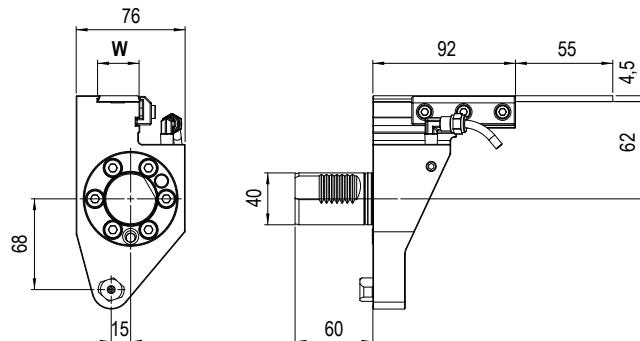
	TIPO - TYPE		REFRIGERANTE COOLANT
Arretrato Quadro Turning Tool Holder		Esterno External	

Code	W	Orientation	
T.53518000101	20	Destro - Right	



	TIPO - TYPE		REFRIGERANTE COOLANT
Doppio quadro Double turning tool holder		Esterno External	

Code	W	
T.53538000101	20	



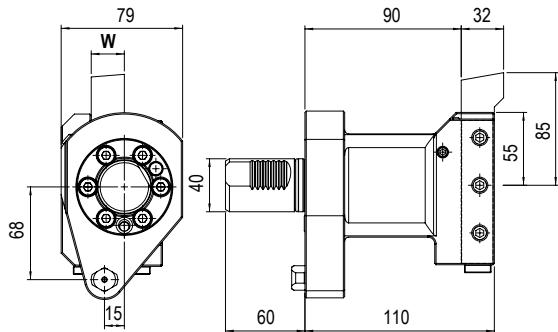
	TIPO - TYPE		REFRIGERANTE COOLANT
Portalamina Cut-off holder		Esterno External	

Code	W	
T.53518000401	20	

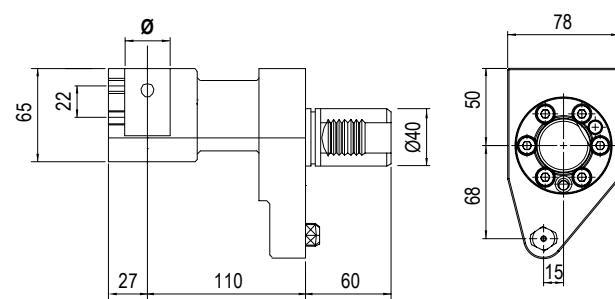
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

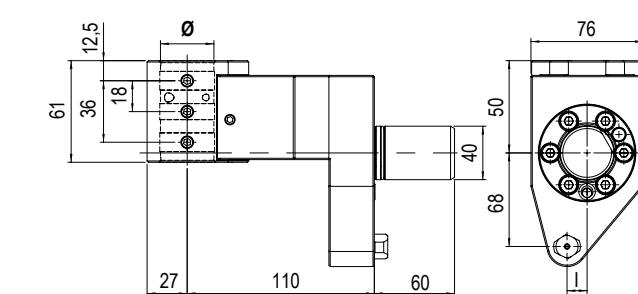
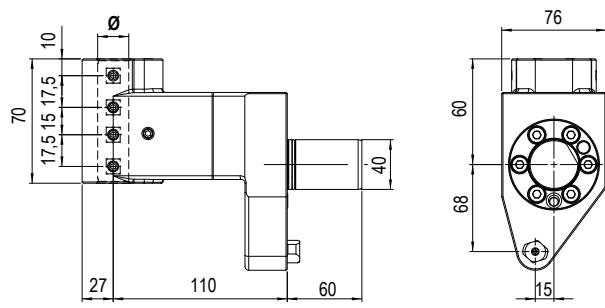
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

VDI40
QTN1


TIPO - TYPE	REFRIGERANTE COOLANT	
Portautensile per sfacciare Facing tool holder		
Code	W	
T.53518000301	20	



TIPO - TYPE	REFRIGERANTE COOLANT	
Portapunte U'Drill holder		
Code	Ø	
T.53518000501	32	



TIPO - TYPE	REFRIGERANTE COOLANT	
Portabareno doppio Double boring bar holder		
Code	Ø	
T.53538000201	20	

TIPO - TYPE	REFRIGERANTE COOLANT	
Portabareno Boring bar holder		
Code	Ø	
T.53518000201	32	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

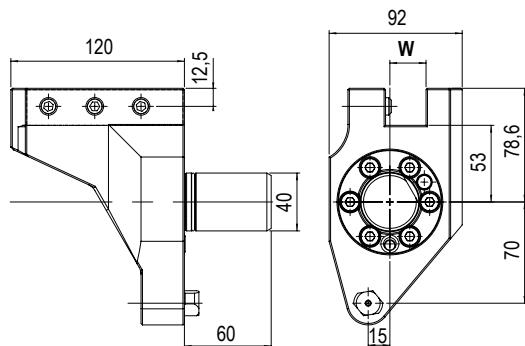
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

VDI40
QTN2

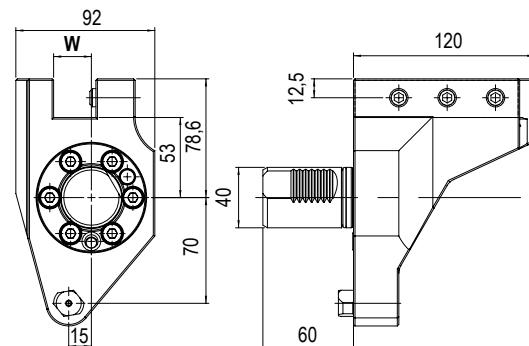
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **MAZAK QTN2 VDI 40:**

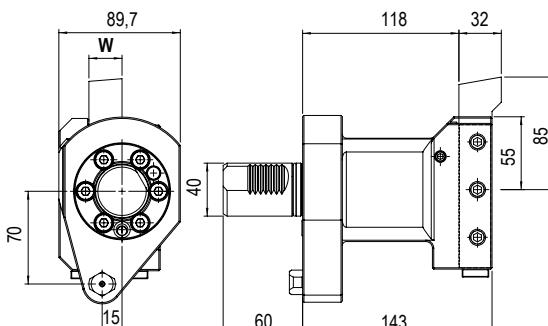
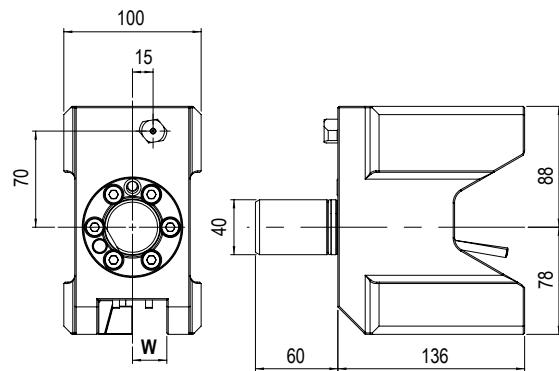
QTN 200/ 250 (M/MS/MY/MSY 12 STATIONS) - SQT 15/18/200/250
(M/MS/MY/MSY) 12 STATIONS SUPER QUADREX 200/ 250 (M)



Code	W	Orientation	
T.53618000600	25	Sinistro - Left	



Code	W	Orientation	
T.53618000100	25	Destro - Right	



Code	W	
T.53638000300	25	

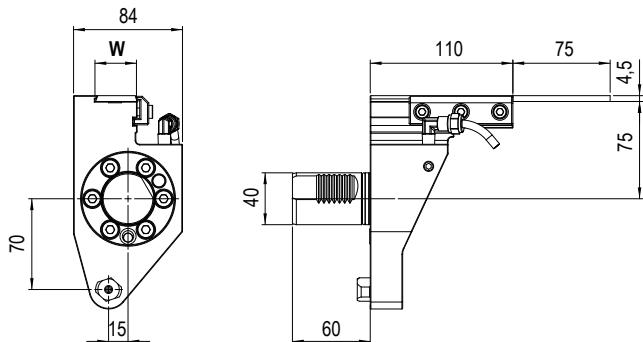


Code	W	
T.53618000300	25	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

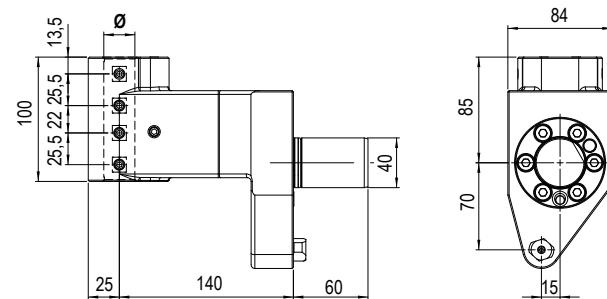
MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7



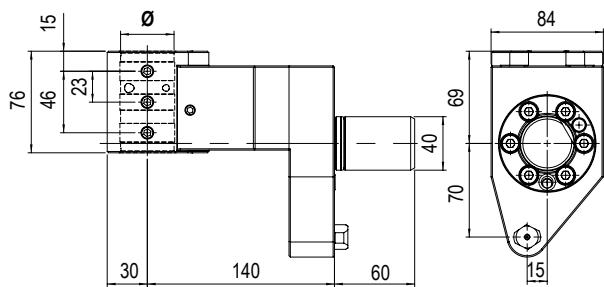
TIPO - TYPE	REFRIGERANTE COOLANT
Portalastra Cut-off holder	

Code	W	
T.53618000400	25	



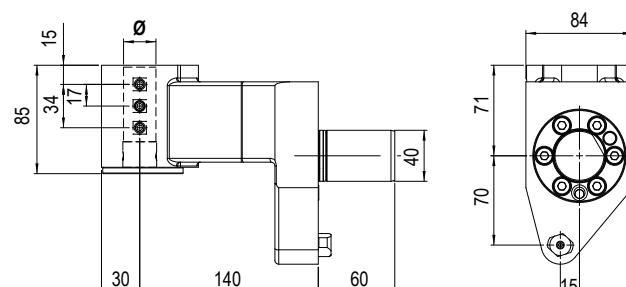
TIPO - TYPE	REFRIGERANTE COOLANT
Portabareno doppio Double boring bar holder	

Code		
T.53638000400	25	



TIPO - TYPE	REFRIGERANTE COOLANT
Portabareno Boring bar holder	

Code		
T.53208005100	40	



TIPO - TYPE	REFRIGERANTE COOLANT
Portapunte U'Drill holder	

Code		
T.53208005200	40	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

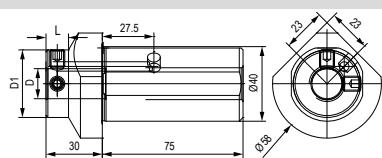
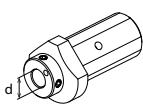
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

VDI40
QTN2

BUSSOLE DI RIDUZONE PER PORTABARENI

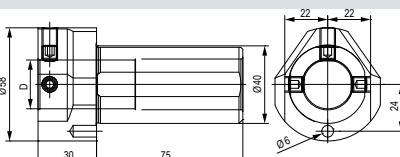
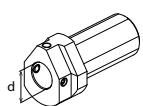
BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con battuta e gambo / Clamping with set-screws and on shaft



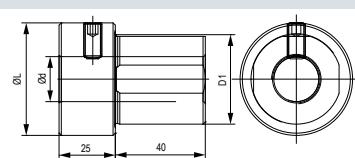
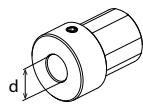
Code	Ød	ØD1	L	
*53178010700	8	36	12	
*53178010600	10	36	12	
*53178010500	12	36	12	
*53178010400	16	36	12	
*53178010300	20	58	-	

Bloccaggio con foro cieco e grani / Clamping with blind hole and set-screws



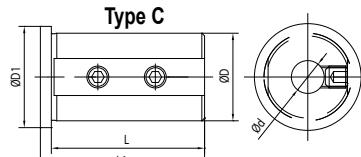
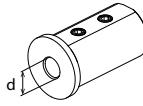
Code	Ød	
*53178010200	25	
*53178010100	32	

Bloccaggio con grano / Clamping with set-screw



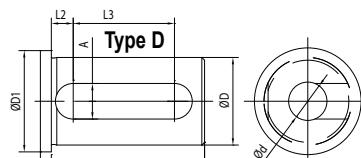
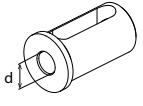
Code	Ød	ØD1	L	
*53208001000	20	40	50	
*53208001100	25	40	50	
*53208001200	32	40	50	
T.B.MZ3220K	20	32	40	
T.B.MZ3225K	25	32	40	

Bloccaggio con grani / Clamping with collar and set-screws



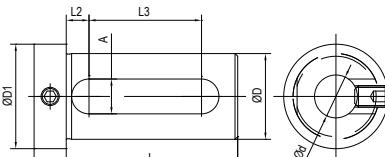
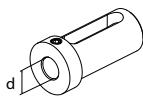
Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type	
T.B.E3216K	25	8	46	50	-	-	-	30	A	
T.B.E3220K	25	10	46	50	-	-	-	30	A	
T.B.E3225K	25	12	46	50	-	-	-	30	A	
T.B.D2516K	25	16	46	50	8	27	13	30	B	
T.B.D2520K	25	20	46	50	8	27	13	30	B	
T.B.C3208K	32	8	56	60	-	-	-	37	A	
T.B.C3210K	32	10	56	60	-	-	-	37	A	
T.B.C3212K	32	12	56	60	-	-	-	37	A	
T.B.D3216K	32	16	56	60	8	37	13	37	B	
T.B.D3220K	32	20	56	60	8	37	13	37	B	
T.B.D3225K	32	25	56	60	8	37	13	37	B	
T.B.C4008K	40	8	71	75	-	-	-	45	A	
T.B.C4010K	40	10	71	75	-	-	-	45	A	
T.B.C4012K	40	12	71	75	-	-	-	45	A	
T.B.D4016K	40	16	71	75	8	52	13	45	B	
T.B.D4020K	40	20	71	75	8	52	13	45	B	
T.B.D4025K	40	25	71	75	8	52	13	45	B	
T.B.D4032K	40	32	71	75	8	52	13	45	B	

Bloccaggio con asola e grano / Clamping with slot and set-screw

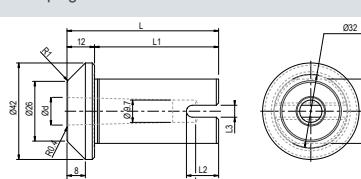


Code	ØD	Ød	L	L1	L2	L3	A	ØD1	
T.B.E2512K	25	12	55	67	8	32	13	33	
T.B.E2516K	25	16	55	67	8	32	13	33	
T.B.E2520K	25	20	55	67	8	32	13	39	
T.B.E3216K	32	16	65	77	8	42	13	39	
T.B.E3220K	32	20	65	77	8	42	13	39	
T.B.E3225K	32	25	65	77	8	42	13	39	
T.B.E4016K	40	16	75	89	9	51	14	48	
T.B.E4020K	40	20	75	89	9	51	14	48	
T.B.E4025K	40	25	75	89	9	51	14	48	
T.B.E4032K	40	32	75	89	9	51	14	48	

Bloccaggio con asola / Clamping with slot



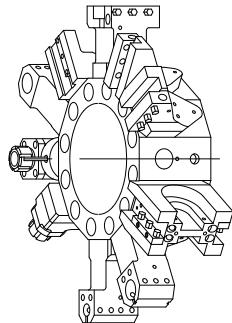
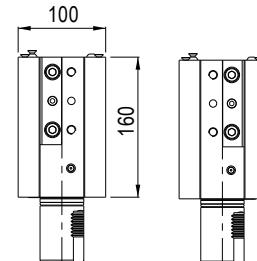
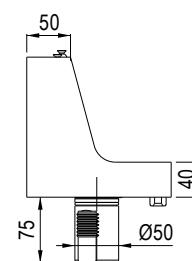
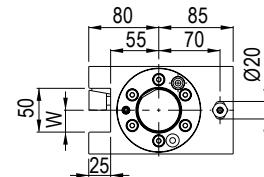
Code	Ød	L	L1	L2	L3	L4	A	
T.B.MZ.MT1	12,065	66	54	14	47	56	9,7	
T.B.MZ.MT2	17,78	54	58	10	58	67	14,9	

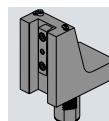


MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING

TORRETTA MAZAK
MAZAK TURRET

MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES
- QTN3 VDI 50:

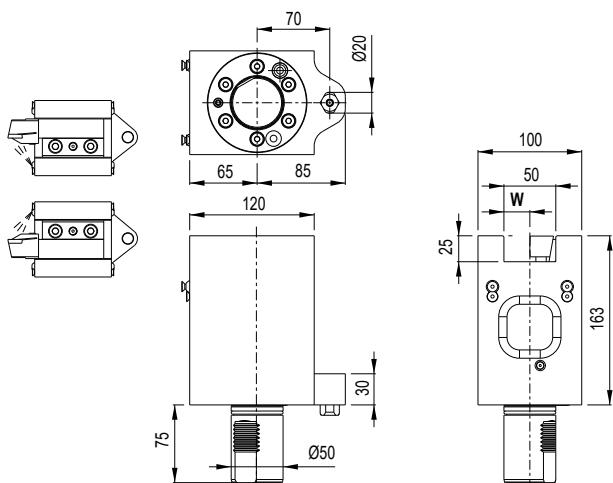
 QTN 300/350/400/450 (M/MY/MSY) - SQT 28/30/300/350/400/450 (M/MY) -
 SLANT TURN NEXUS 500/550 (M) - MEGATURN NEXUS 900 (M) - HYPER QUADREX 450 (M)

TIPO - TYPE

 Stelo quadro assiale
Axial face and cutting holder

REFRIGERANTE
COOLANT

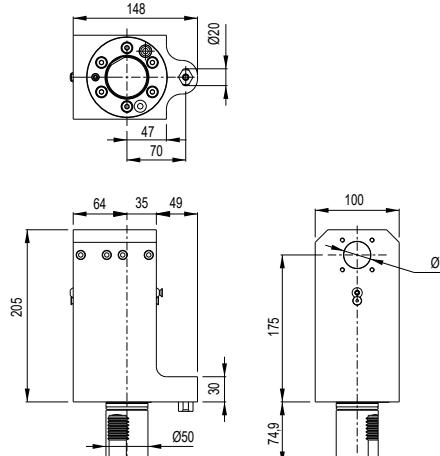
 Esterno
External

Code	W	Orientation
T.MZ.V50B12525M	25	Universale- Universal



	TIPO - TYPE		REFRIGERANTE COOLANT
Radiale Universale Universal radial			Esterno External

Code	W	Orientation
T.MZ.V50C12525M	25	Universale- Universal



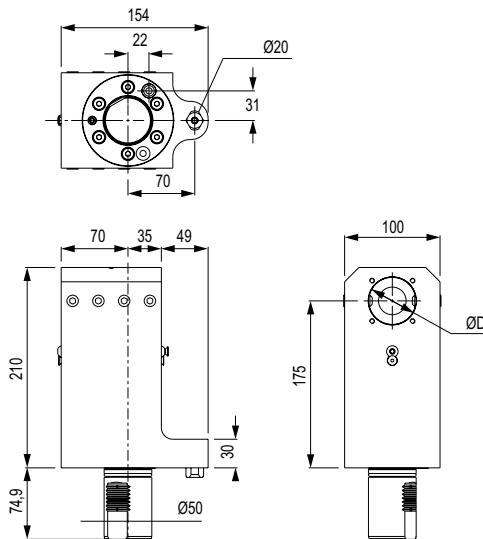
	TIPO - TYPE		REFRIGERANTE COOLANT
Portabreno Boring bar holder			Esterno & Interno External & Internal

Code	Ø
T.MZ.V50BBC32175M	32

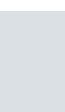
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

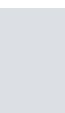
MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

VDI50
QTN3


	TIPO - TYPE Portabareno Boring bar holder		REFRIGERANTE COOLANT Esterno & Interno External & Internal
Code	Ø		
T.MZ.V50BBC50175M	50		

	TIPO - TYPE Portabareno Boring bar holder		REFRIGERANTE COOLANT Esterno External
Code	Ø		
T.53308000201	50		

	TIPO - TYPE Portabareno doppio Double boring bar holder		REFRIGERANTE COOLANT Esterno External
Code	Ø		
T.53838000901	32		

TIPO - TYPE Portapunte U'Drill holder		REFRIGERANTE COOLANT Esterno External
Code	Ø	
T.53308000501	Ø40mm	

TIPO - TYPE Portautensile a sfacciare Facing tool holder		REFRIGERANTE COOLANT Esterno External
Code	W	
T.53688000300	32	

TIPO - TYPE Doppio Quadro Double turning tool holder		REFRIGERANTE COOLANT Esterno External
Code	W	
T.53838000801	25	

TIPO - TYPE Portalama Cut off holder		REFRIGERANTE COOLANT Esterno External
Code		
T.53308000401		

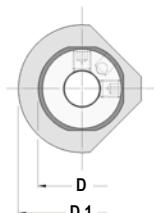
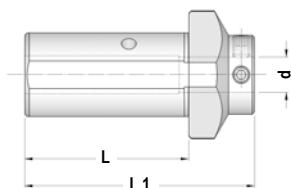
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

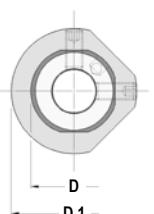
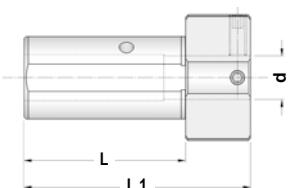
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

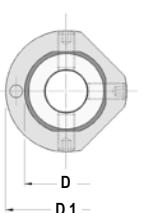
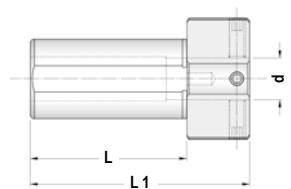
BORING BAR HOLDER REDUCTION SLEEVES

VDI50
QTN3
Bloccaggio con grani e gambo / Clamping with set-screws and on shaft


Code	ØD	Ød	L	L1	ØD1	
T.53178012601	32	8	60	85	50	
T.53178012501	32	10	60	85	50	
T.53178012401	32	12	60	85	50	
T.53178012301	32	16	60	85	50	
T.53178010701	40	8	75	105	58	
T.53178010601	40	10	75	105	58	
T.53178010501	40	12	75	105	58	
T.53178010401	40	16	75	105	58	

Bloccaggio con grani e gambo / Clamping with set-screws and on shaft


Code	ØD	Ød	L	L1	ØD1	
T.53178010301	40	20	75	105	58	

Bloccaggio con grano / Clamping with set-screw


Code	ØD	Ød	L	L1	ØD1	
T.53178012300	32	16	60	85	50	
T.53178012200	32	22	60	85	50	
T.53178012100	32	25	60	85	50	
T.53178010200	40	25	75	105	58	
T.53178010100	40	32	75	105	58	

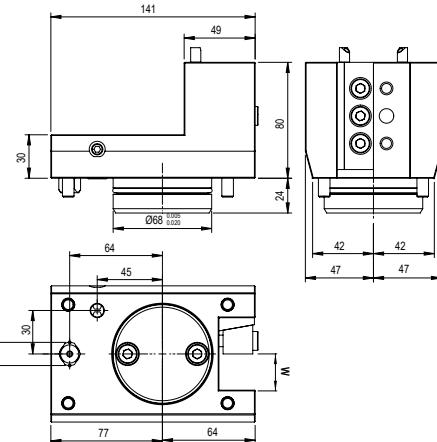
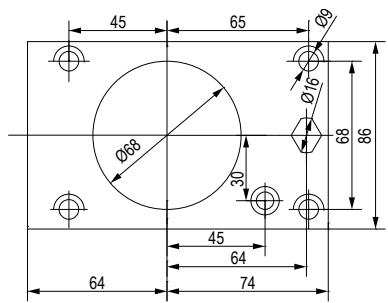
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT68
SMART

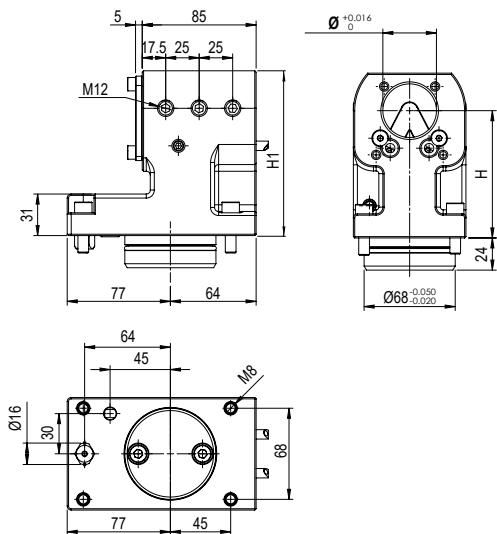
ATTACCO / COUPLING



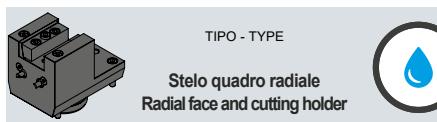
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- MAZAK BMT68:

QT/QTS 100/150/200/250 (M/MY/MS/MSY) - QTC/QTU 100/150/200/250/300 (M/MY/MS/MSY)



TIPO - TYPE	REFRIGERANTE COOLANT	Esterno & Interno External & Internal		
Code	Θ	H	H1	
T.MZ.68BBC4095H	40	95	119	

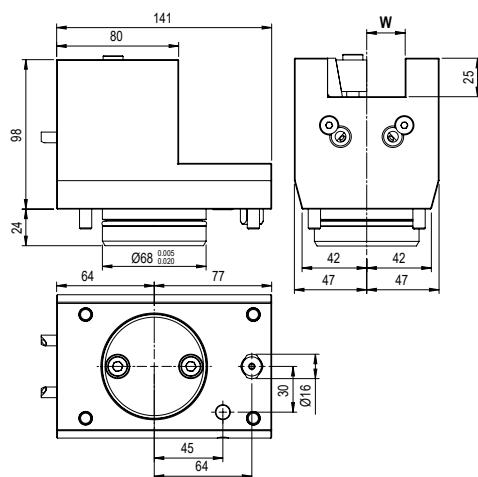


TIPO - TYPE
Stelo quadro radiale
Radial face and cutting holder



REFRIGERANTE
COOLANT
Esterno
External

Code	W
T.MZ.68C12525H	25



TIPO - TYPE	REFRIGERANTE COOLANT	Esterno External
Code	Θ	
T.MZ.68B12525H	25	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

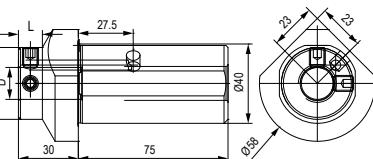
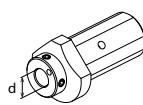
MAZAK

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

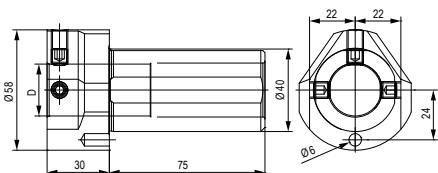
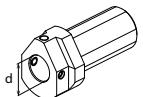
BUSSOLE DI RIDUZONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

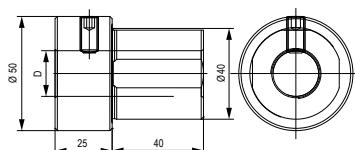
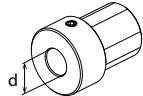
BMT68
SMART

Bloccaggio con grani e gambo / Clamping with set-screws and shaft


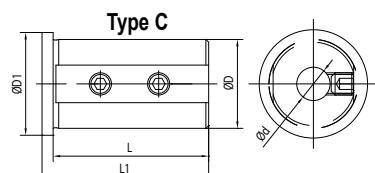
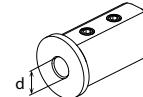
Code	Ød	ØD1	L
*53178010700	8	36	12
*53178010600	10	36	12
*53178010500	12	36	12
*53178010400	16	36	12
*53178010300	20	58	-

Bloccaggio con foro cieco e grani / Clamping with blind hole and set-screws


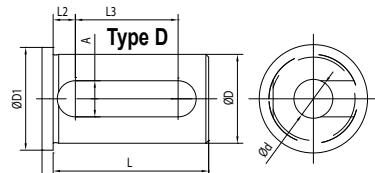
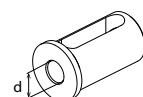
Code	Ød
*53178010200	25
*53178010100	32

Bloccaggio con grano / Clamping with set-screw


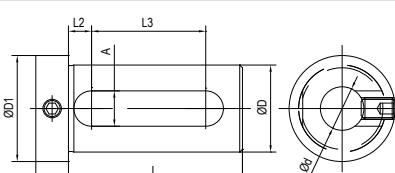
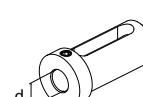
Code	Ød
*53208001000	20
*53208001100	25
*53208001200	32

Bloccaggio con grani / Clamping with collar and set-screws


Code	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C4008K	8	71	75	-	-	-	C	45
T.B.C4010K	10	71	75	-	-	-	C	45
T.B.C4012K	12	71	75	-	-	-	C	45
T.B.D.4016K	16	71	75	8	52	13	D	45
T.B.D.4020K	20	71	75	8	52	13	D	45
T.B.D.4025K	25	71	75	8	52	13	D	45
T.B.D.4032K	32	71	75	8	52	13	D	45

Bloccaggio con asola / Clamping with collar and slot


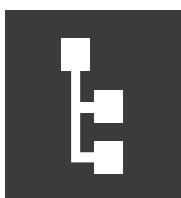
Code	Ød	L	I1	I2	I3	A	ØD1
T.B.E4016k	16	74	88	9	51	14	48
T.B.E4020k	20	74	88	9	51	14	48
T.B.E4025k	25	74	88	9	51	14	48
T.B.E4032k	32	74	88	9	51	14	48

Bloccaggio con asola e grano / Clamping with slot and set-screw




PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHE CLICK - FIND YOUR PRODUCT IN FEW CLICKS



by category



by code



by description



by configurator

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WINDOWS / IOS

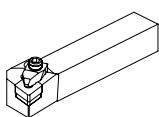


ANDROID / IPHONE



BMT 44 - BMT 55 - BMT 65

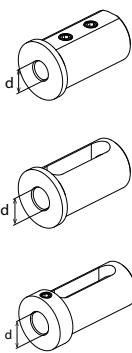
BMT44



Code

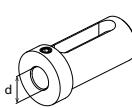
T.NK.B44C12020K

BMT44 Ø25



Ød	Code
Ø8	T.B.C2508K
Ø10	T.B.C2510K
Ø12	T.B.C2512K

Ød	Code
Ø16	T.B.D2516K



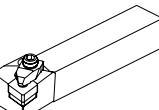
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Ø12	T.B.E2512K
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Ø20	T.B.E2520K

BMT55



Code

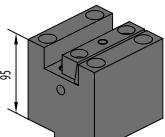
T.NK.B55C12020K



20x20mm
25x25mm

Code

T.NK.B55C12020LK



Code

T.NK.B65B12525K

BMT55 Ø25-32



Code

T.NK.B55BBC2555K
T.NK.B55BBC2575K



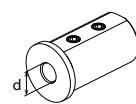
Code

T.NK.B55BBC25K



Code

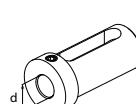
T.NK.B55BBC3270K
T.NK.B55BBC3280K



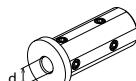
Ød	Code	Ød	Code
Ø8	T.B.C2508G	Ø8	T.B.C3208K
Ø10	T.B.C2510G	Ø10	T.B.C3210K
Ø12	T.B.C2512G	Ø12	T.B.C3212K



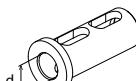
Ød	Code
Ø16	T.B.D2516K



Ød	Code	Ød	Code
Ø12	T.B.E2512K	Ø16	T.B.E3216K
Ø16	T.B.E2516K	Ø20	T.B.E3220K
Ø20	T.B.E2520K	Ø25	T.B.E3225K



Ød	Code
Ø6	T.B.A2506G
Ø8	T.B.A2508G
Ø10	T.B.A2510G
Ø12	T.B.A2512G



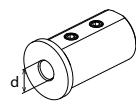
Ød	Code
Ø16	T.B.B2516G

BMT65 Ø32



Code

T.NK.B65BBC3290K



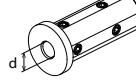
Ød	Code
Ø8	T.B.C3208K
Ø10	T.B.C3210K
Ø12	T.B.C3212K



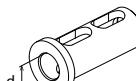
Ød	Code
Ø16	T.B.D3216K
Ø20	T.B.D3220K
Ø25	T.B.D3225K



Ød	Code
Ø16	T.B.E3216K
Ø20	T.B.E3220K
Ø25	T.B.E3225K



Ød	Code
Ø8	T.B.A3208G
Ø10	T.B.A3210G
Ø12	T.B.A3212G
Ø16	T.B.A3216G
Ø20	T.B.A3220G



Ød	Code
Ø25	T.B.B3225G

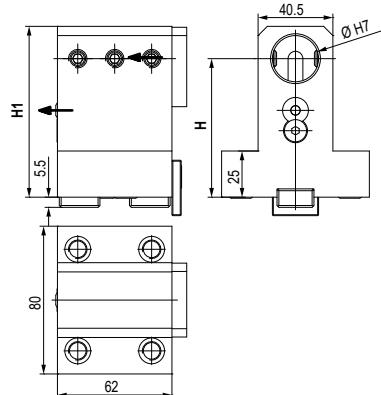
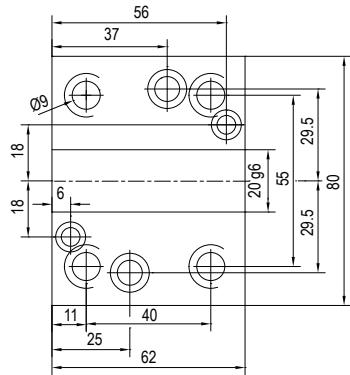
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

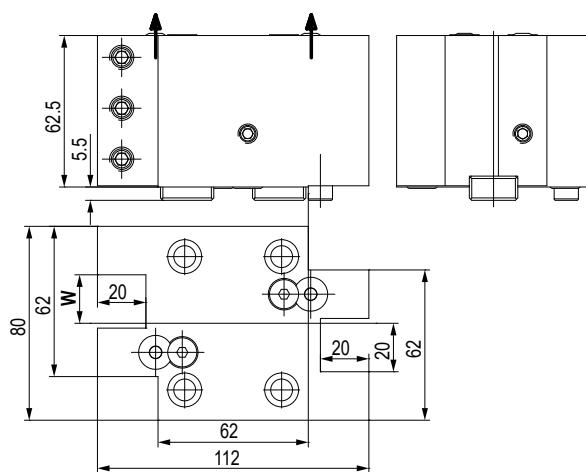
BMT
44

ATTACCO / COUPLING



MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

NAKAMURA:
NTJ 100, - SC 100 - SUPER NTMX - SUPER NY3 - WT/ WY100
MURATEC:
MT 100



TIPO - TYPE
Portabareno
Boring bar holder



REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

Code	Ø	H	H1
T.NK.B44BB2575K	25	75 ± 0,02	92,5

TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro rad. doppio 2 RD face and cutting holder	Esterno External
Code	W

T.NK.B44C12020K 20

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

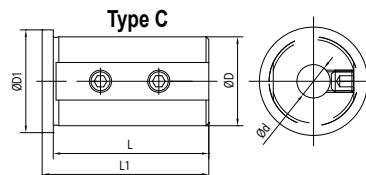
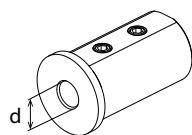
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BUSSOLE DI RIDUZONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

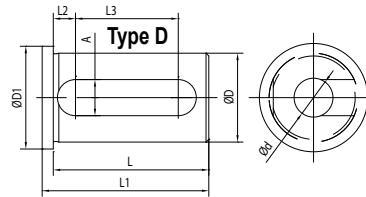
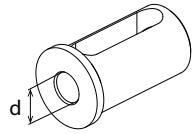
BMT
44

Bloccaggio con grani / Clamping with set-screws



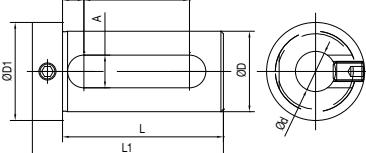
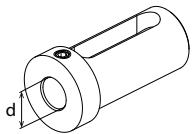
Code	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C2508K	8	46	50	-	-	-	C	30
T.B.C2510K	10	46	50	-	-	-	C	30
T.B.C2512K	12	46	50	-	-	-	C	30
T.B.D2516K	16	46	50	8	27	13	D	30

Bloccaggio con asola / Clamping with slot



Code	Ød	L	L1	L2	L3	A	ØD1
T.B.E2512K	16	74	88	9	51	14	48
T.B.E2516K	20	74	88	9	51	14	48
T.B.E2520K	25	74	88	9	51	14	48

Bloccaggio con asola e grano / Clamping with slot and set-screw



MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

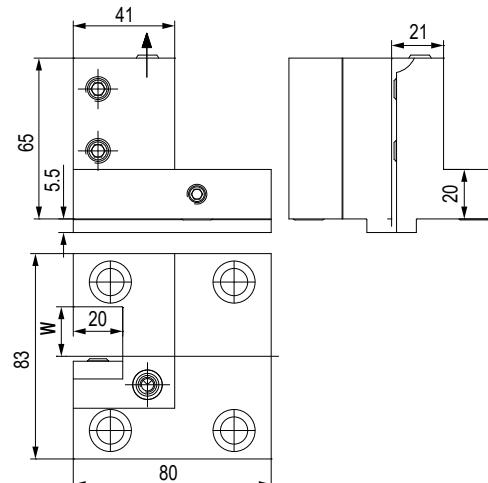
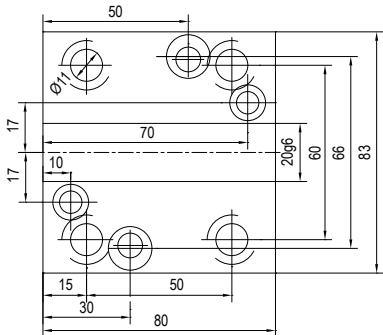
NAKAMURA

CMZ

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
55**

ATTACCO / COUPLING



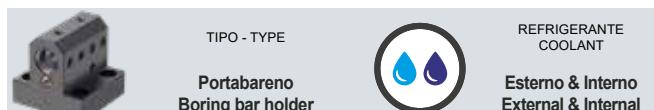
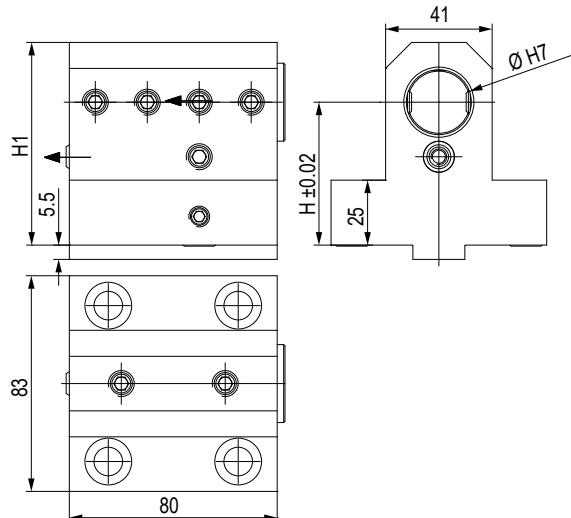
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

NAKAMURA BMT55:

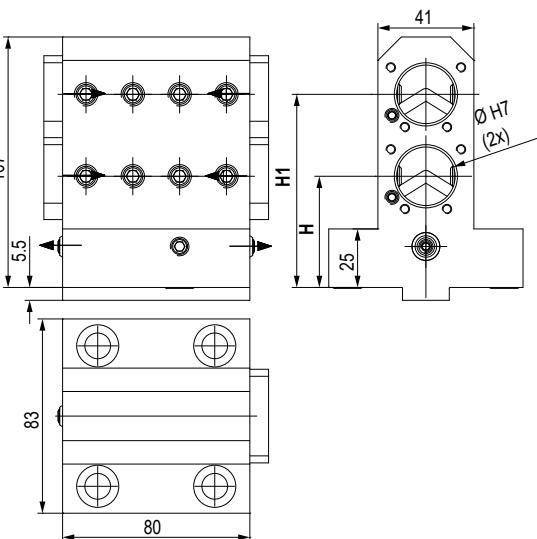
AS200 (L-LS) 12/15 STATIONS - NTM3 - NTY3/250 - SC150(M) - SC200(MY) - SC-250(M) SuperNTJ
TMC20 II (M/M) - TW10 - TW20 - WT20 II (M/MY) - WT150/200 - WT250 - WTS150 - WTW150/160 -
WT200 II (M,MY) - WY20

CMZ BMT55:

TX 52, 66



Code	Ø	H	H1	
T.NK.B55BBC2555K	25	55	78	
T.NK.B55BBC2575K	25	75	98	



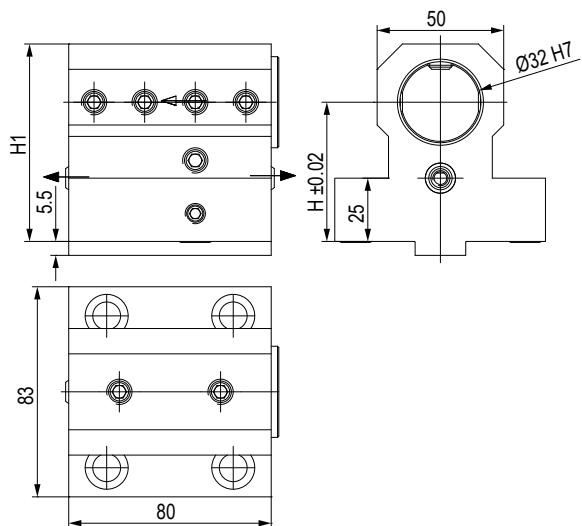
Code	Ø	H	H1	
T.NK.B55BBD25K	25	47,5	82	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7



**BMT
55**



TIPO - TYPE
Portabareno
Boring bar holder



REFRIGERANTE
COOLANT
Esterno & Interno
External & Internal

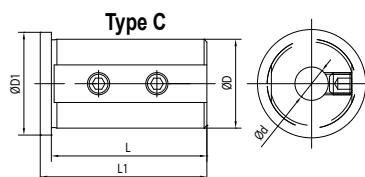
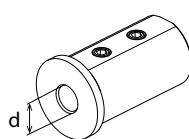
Code	Ø	H	H1	
T.NK.B55BBC3270K	32	70	96,5	
T.NK.B55BBC3280K	32	80	106,5	

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
55

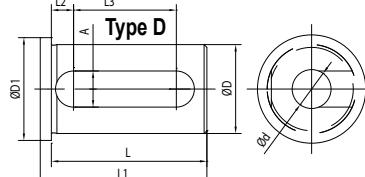
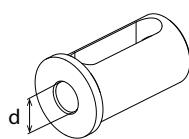
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grani / Clamping with set-screws



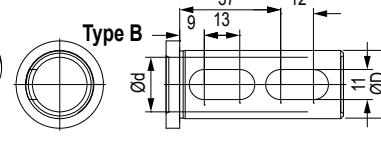
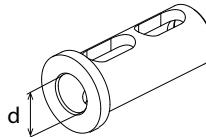
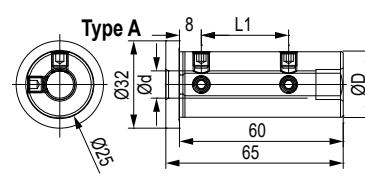
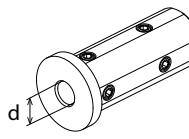
Code	ØD	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C2508K	25	8	46	50	-	-	-	C	30
T.B.C2510K	25	10	46	50	-	-	-	C	30
T.B.C2512K	25	12	46	50	-	-	-	C	30
T.B.D2516K	25	16	46	50	8	27	13	D	30
T.B.C3208K	32	8	56	60	-	-	-	C	37
T.B.C3210K	32	10	56	60	-	-	-	C	37
T.B.C3212K	32	12	56	60	-	-	-	C	37
T.B.D3216K	32	16	56	60	8	37	13	D	37
T.B.D3220K	32	20	56	60	8	37	13	D	37
T.B.D3225K	32	25	56	60	8	37	13	D	37

Bloccaggio con asola / Clamping with slot



Code	ØD	Ød	L1	Type
T.B.A2506G	25	6	22	A
T.B.A2508G	25	8	27	A
T.B.A2510G	25	10	32	A
T.B.A2512G	25	12	32	A
T.B.B2516G	25	16	-	B

Bloccaggio con grani su due lati / Clamping with set-screws on two sides



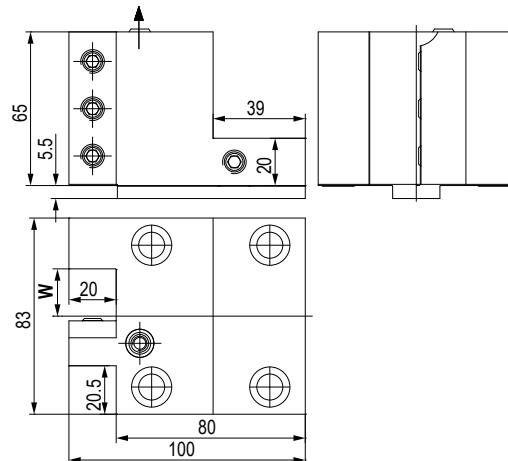
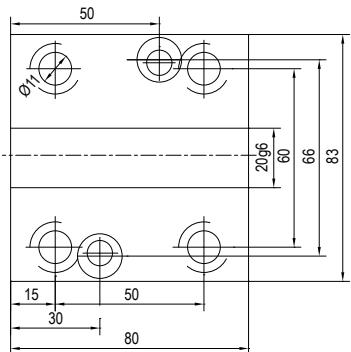
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

NAKAMURA

CMZ

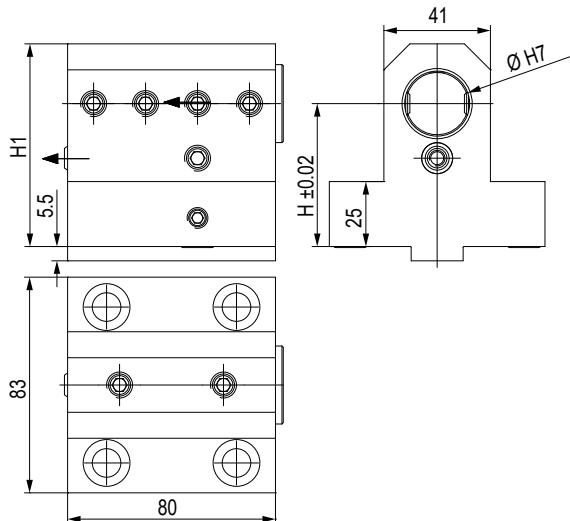
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

ATTACCO / COUPLING


**BMT
55**
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES
- NAKAMURA BMT55:

WT300 - SC300 - TW20 - TMC200/300 (M) - SUPER NTX TW20M (MY/MM/MMY/MMYY)
12 STATIONS TW30M (MY/MM/MMY/MMYY) 16 STATIONS

- CMZ BMT55:

TX52/66 - TTL52 - TTL66 - TX52 Y3-Y2 QUATTRO-Y2 TW IN - TX66 Y3-Y2 QUATTRO-Y2 TW IN
TA15/20/25/30(M,Y/MS/MY/YS) 15 STATIONS


	TIPO - TYPE	REFRIGERANTE COOLANT
	Stelo quadro radiale Radial face and cutting holder	Esterno External

Code	W	
T.NK.B55C12020LK	20	

	TIPO - TYPE	REFRIGERANTE COOLANT		
	Portabareno Boring bar holder	Esterno & Interno External & Internal		
Code	Ø	H	H1	
T.NK.B55BBC2555K	25	55	78	
T.NK.B55BBC2575K	25	75	98	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

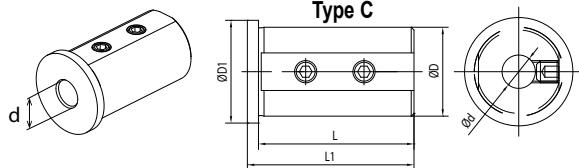
NAKAMURA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
55

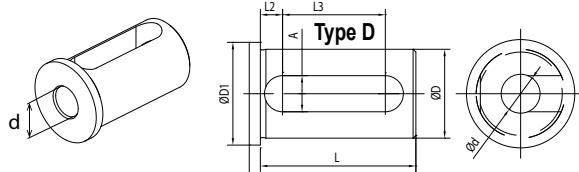
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grani / Clamping with set-screws

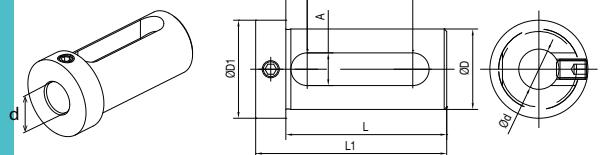


Code	ØD	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C2508K	25	8	46	50	-	-	-	C	30
T.B.C2510K	25	10	46	50	-	-	-	C	30
T.B.C2512K	25	12	46	50	-	-	-	C	30
T.B.D2516K	25	16	46	50	8	27	13	D	30

Bloccaggio con asola / Clamping with slot

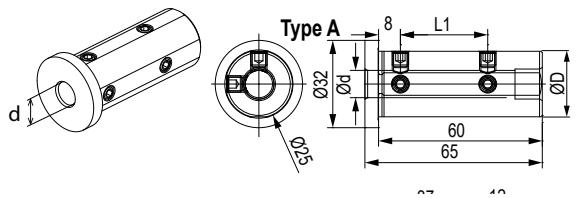


Bloccaggio con asola e grano / Clamping with slot and set-screw



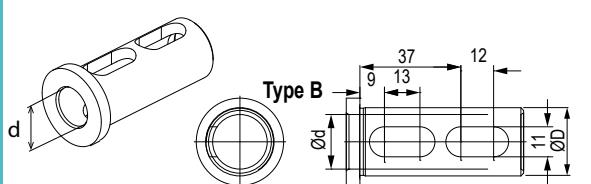
Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E2512K	25	12	54	66	8,5	32	13	32
T.B.E2516K	25	16	54	66	8,5	32	13	32
T.B.E2520K	25	20	54	66	8,5	32	13	32

Bloccaggio con grani su due lati / Clamping with set-screws on two sides



Code	ØD	Ød	L1	Type
T.B.A2506G	25	6	22	A
T.B.A2508G	25	8	27	A
T.B.A2510G	25	10	32	A
T.B.A2512G	25	12	32	A
T.B.B2516G	25	16	-	B

Bloccaggio con doppia asola / Clamping with double slot

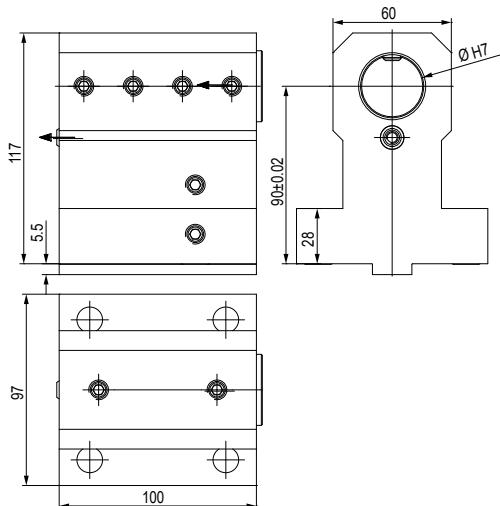
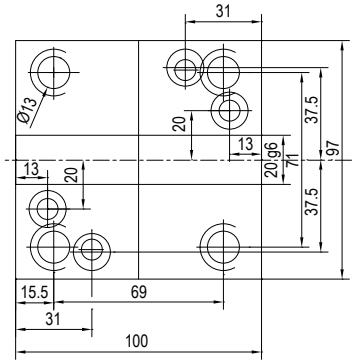


MODELLI DI TORNIO COMPATIBILI
 COMPATIBLE LATHE TYPES

NAKAMURA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

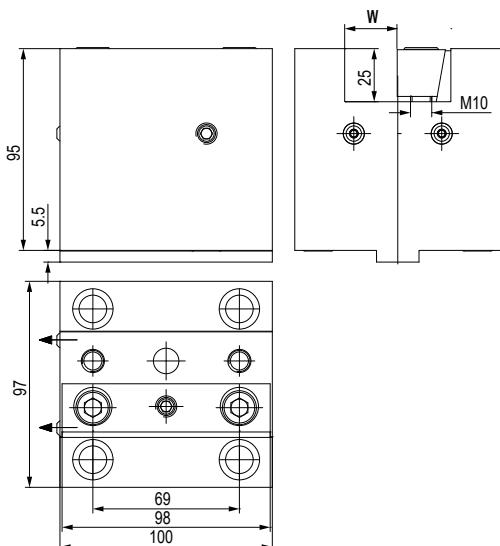
ATTACCO / COUPLING


**BMT
65**
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES
- NAKAMURA BMT65:

WT300 - SC300 - TW20 - TMC200/300 (M) - SUPER NTX TW20M (MY/MM/MMY/MMYY)

12 STATIONS TW30M (MY/MM/MMY/MMYY) 16 STATIONS

	TIPO - TYPE Portabareno Boring bar holder		REFRIGERANTE COOLANT Esterno & Interno External & Internal
Code	Ø	H	H1
T.NK.B65BBC3290K	32	90 ±0,02	117



	TIPO - TYPE Stelo quadro assiale Axial face and cutting holder		REFRIGERANTE COOLANT Esterno External
Code	W		
T.NK.B65B12525K	25		

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

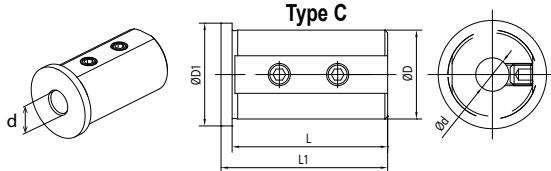
NAKAMURA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

BMT
65

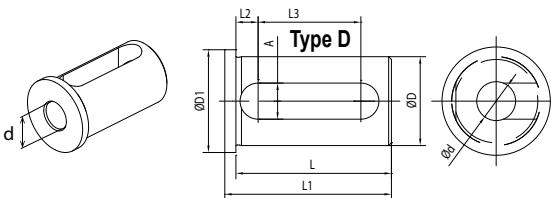
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grani / Clamping with set-screws

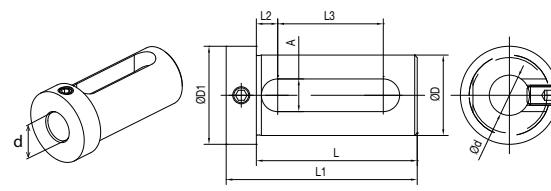


Code	ØD	Ød	L	L1	L2	L3	A	Type	ØD1
T.B.C3208K	32	8	56	60	-	-	-	C	37
T.B.C3210K	32	10	56	60	-	-	-	C	37
T.B.C3212K	32	12	56	60	-	-	-	C	37
T.B.D3216K	32	16	56	60	8	37	13	D	37
T.B.D3220K	32	20	56	60	8	37	13	D	37
T.B.D3225K	32	25	56	60	8	37	13	D	37

Bloccaggio con asola / Clamping with slot

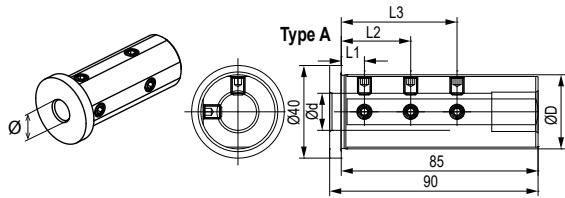


Bloccaggio con asola e grano / Clamping with slot and set-screw



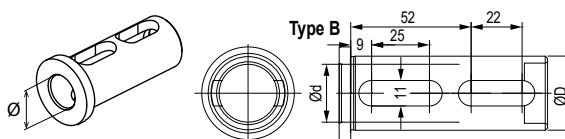
Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E3216K	32	16	64	76	8,5	42	13	39
T.B.E3220K	32	20	64	76	8,5	42	13	39
T.B.E3225K	32	25	64	76	8,5	42	13	39

Bloccaggio con grani su due lati / Clamping with set-screws on two sides



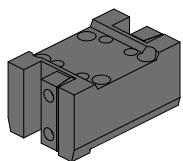
Code	ØD	Ød	L1	L2	L3	Type
T.B.A3208G	32	8	8	35	-	A
T.B.A3210G	32	10	8	40	-	A
T.B.A3212G	32	12	8	40	-	A
T.B.A3216G	32	16	10	30	50	A
T.B.A3220G	32	20	10	30	50	A
T.B.B3225G	32	25	-	-	-	B

Bloccaggio con doppia asola / Clamping with double slot



BMT 60

BMT60



Code

T.OK.B60C1D2525K



Code

T.OK.B60C12525K



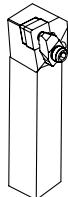
Code

T.OK.B60B12525K



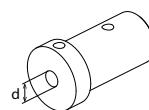
Code

T.OK.B60H13200K

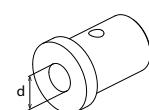


25x25mm

BMT60 Ø40



Ød	Code	Ød	Code
Ø10	T.B.I4010G	Ø16	T.B.I4016G
Ø12	T.B.I4012G	Ø20	T.B.I4020G

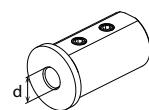


Ød	Code	Ød	Code
Ø25	T.B.OK24025K		
Ø32	T.B.OK24032K		



Code

T.OK.B60BBC4090K

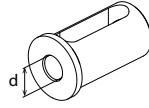


Ød	Code
Ø8	T.B.C4008K
Ø10	T.B.C4010K
Ø12	T.B.C4012K

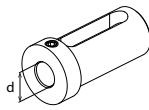


Code

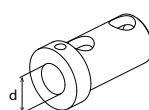
T.OK.B60BBC4090K



Ød	Code
Ø16	T.B.D.4016K
Ø20	T.B.D.4020K
Ø25	T.B.D.4025K
Ø32	T.B.D.4032K



Ød	Code
Ø16	T.B.E4016K
Ø20	T.B.E4020K
Ø25	T.B.E4025K
Ø32	T.B.E4032K



Ød	Code
Ø25	T.B.OK14025G
Ø32	T.B.OK14032G



32 mm

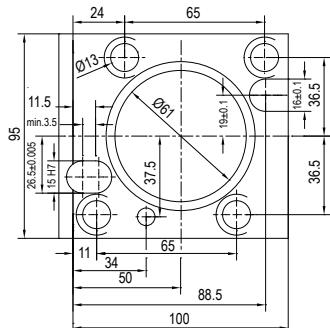
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT60
PLUS**

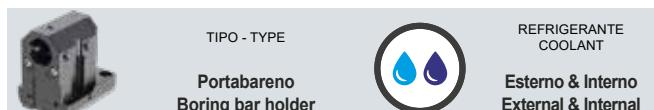
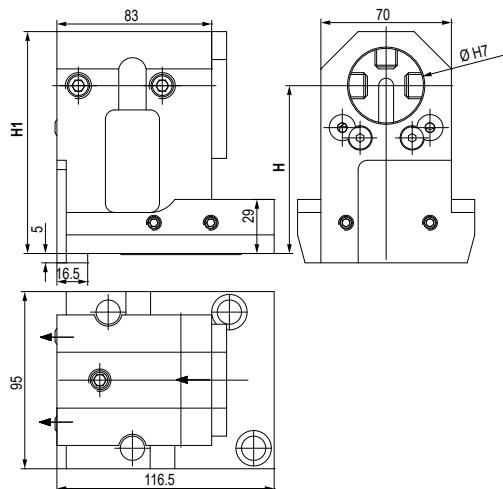
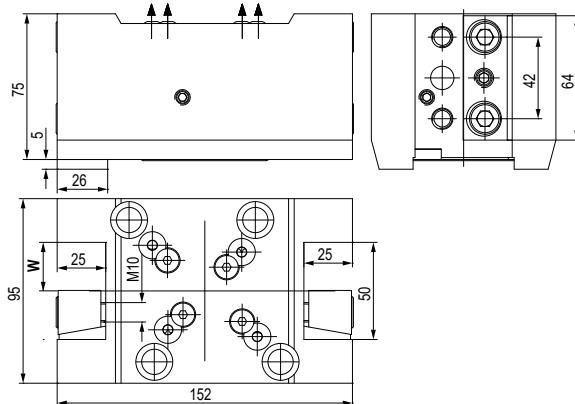
ATTACCO / COUPLING



MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

OKUMA BMT60 PLUS:

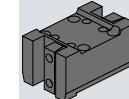
LB2000 EX (M) - LB2500 EX (M) - LB3000 EX (M, MY) - LT2000 EX - LT3000 EX - LB3000 EX (MW, MYW)
LU2000 EX - LU2500 EX - LU3000 EX (M,MW,MY) - GENOS L300 (MY, MW, MYW)



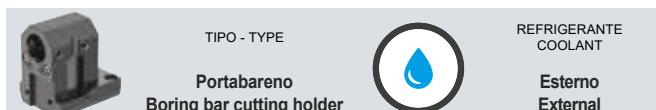
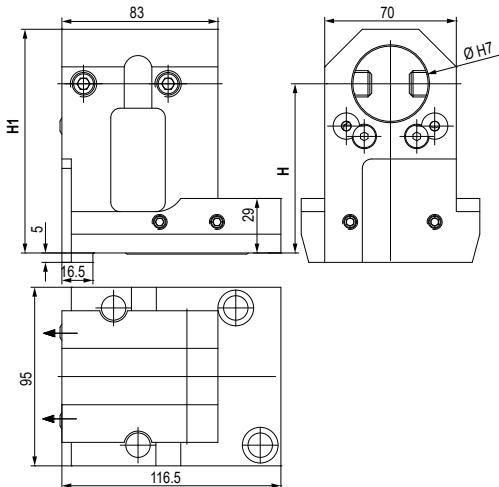
Code	Ø	H	H1	
T.OK.B60BBC4090K	40	90 ±0,02	119	

TIPO - TYPE
Stelo quadro radiale doppio
2 Face and ID cutting holder

REFRIGERANTE
COOLANT
Esterno
External



Code	W
T.OK.B60C1D2525K	25



Code	Ø	H	H1	
T.OK.B60BB4090K	40	90 ±0,02	119	

MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

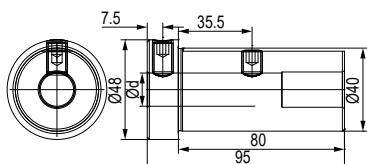
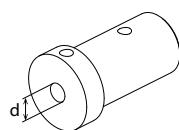
OKUMA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

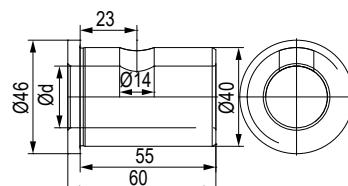
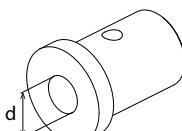
BUSSOLE DI RIDUZONE PER PORTABARENI

BORING BAR HOLDER REDUCTION SLEEVES

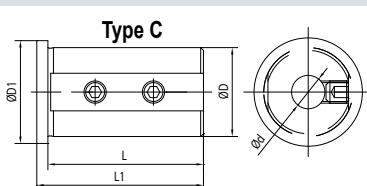
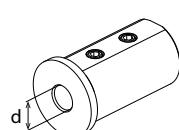
BMT60
PLUS

Bloccaggio con grano \ Clamping with set-screw


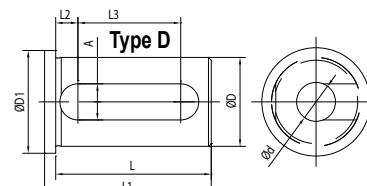
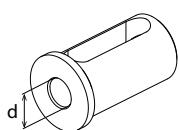
Code	Ød
T.B.I4010G	10
T.B.I4012G	12
T.B.I4016G	16
T.B.I4020G	20

Bloccaggio con grano \ Clamping with set-screw


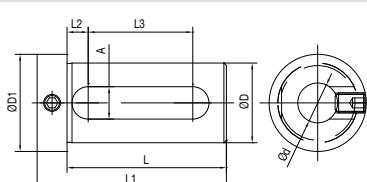
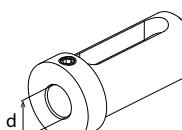
Code	Ød
T.B.OK24035K	25
T.B.OK24032K	32

Bloccaggio con grani \ Clamping with set-screws


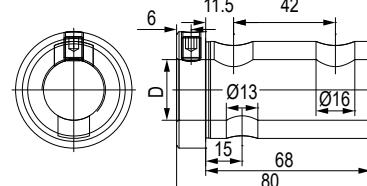
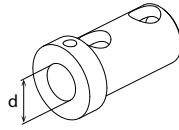
Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C4008K	40	8	71	75	-	-	-	45	C
T.B.C4010K	40	10	71	75	-	-	-	45	C
T.B.C4012K	40	12	71	75	-	-	-	45	C
T.B.D.4016K	40	16	71	75	8	52	13	45	D
T.B.D.4020K	50	20	71	75	8	52	13	45	D
T.B.D.4025K	50	25	71	75	8	52	13	45	D
T.B.D.4032K	50	32	71	75	8	52	13	45	D

Bloccaggio con asola / Clamping with slot


Code	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016k	16	74	88	9	51	14	48
T.B.E4020k	20	74	88	9	51	14	48
T.B.E4025k	25	74	88	9	51	14	48
T.B.E4032k	32	74	88	9	51	14	48

Bloccaggio con asola e grano \ Clamping with set-screw and slot


Code	ØD
T.B.OK14025G	25
T.B.OK14032G	32

Bloccaggio con grani \ Clamping with set-screws


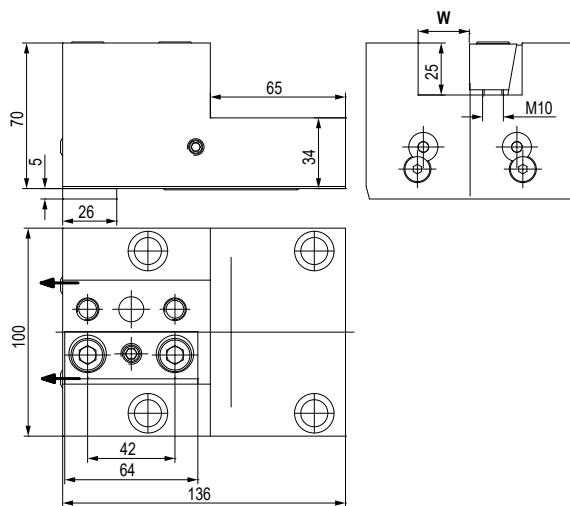
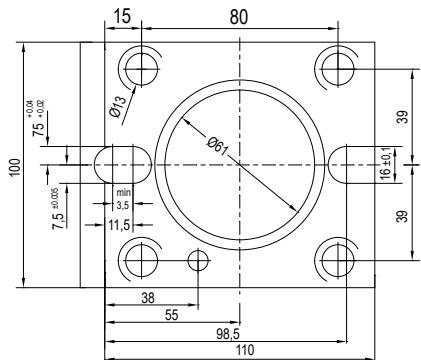
MODELLI DI TORNIO COMPATIBILI
COMPATIBLE LATHE TYPES

OKUMA

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
60**

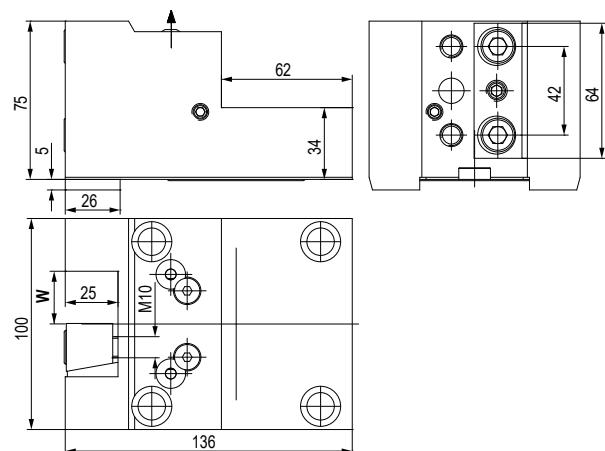
ATTACCO / COUPLING



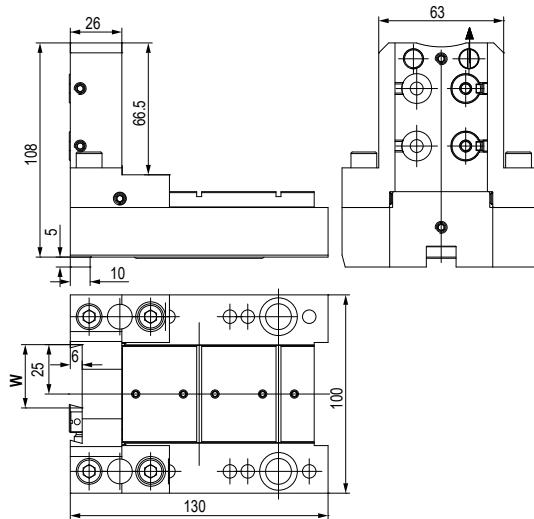
MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

- **OKUMA BMT60:**

LB4000 EX (M, MY) - LU4000



Code	W
T.OK.B60B12525K	25



Code	W
T.OK.B60C12525K	25



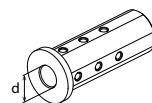
Code	W
T.OK.B60H13200K	32

BMT 65

BMT60 Ø40



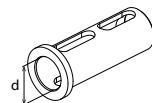
Code	
T.TS.A10	



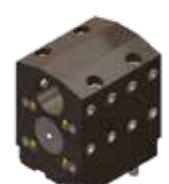
Ød	Code
Ø6	T.B.A4006G
Ø8	T.B.A4008G
Ø10	T.B.A4010G
Ø12	T.B.A4012G
Ø16	T.B.A4016G
Ø20	T.B.A4020G
Ø25	T.B.A4025G



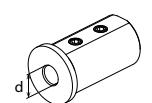
Code	
T.TS.A12	



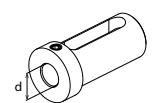
Ød	Code
Ø32	T.B.B4032G



Code	
T.TS.A14	



Ød	Code
Ø8	T.B.C4008K
Ø10	T.B.C4010K
Ø12	T.B.C4012K
Ø16	T.B.D4016K



Ød	Code
Ø16	T.B.E4016k
Ø20	T.B.E4020k
Ø25	T.B.E4025k
Ø32	T.B.E4032k

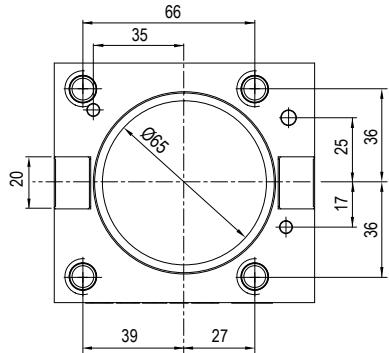
MODELLI DI TORNIO COMPATIBILI
LATHE MODEL COMPATIBLES

TSUGAMI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
65**

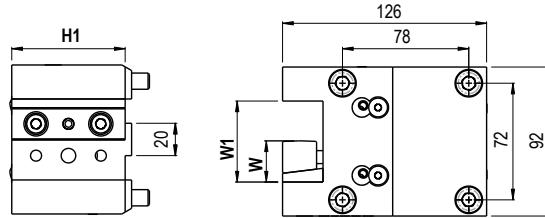
ATTACCO / COUPLING



MODELLI DI TORNIO COMPATIBILI - COMPATIBLE LATHE TYPES

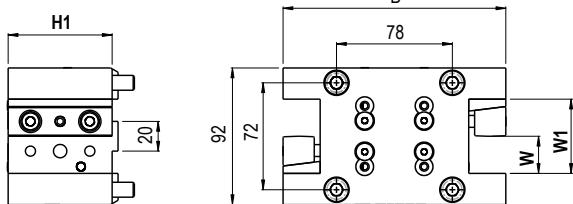
- BMT65:

M06 - M06(SY) - M08(D/SD) - M08(SY)



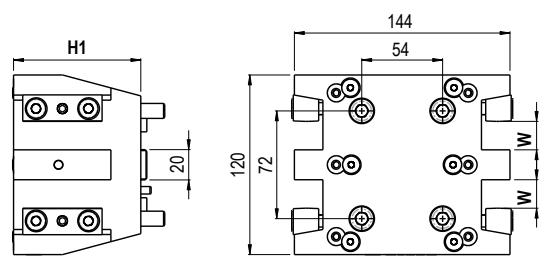
TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro radiale Radial face and cutting holder	Esterno External

Code	H1	W	W1
T.TS.A01	70	25	50
T.TS.A02	70	1"	2"



TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro rad. doppio 2 RD face and cutting holder	Esterno External

Code	B	H1	W	W1
T.TS.A03	150	70	25	50
T.TS.A04	150	70	1"	2"



TIPO - TYPE	REFRIGERANTE COOLANT
Stelo quadro rad. quadruplo 4 RD face and cutting holder	Esterno External

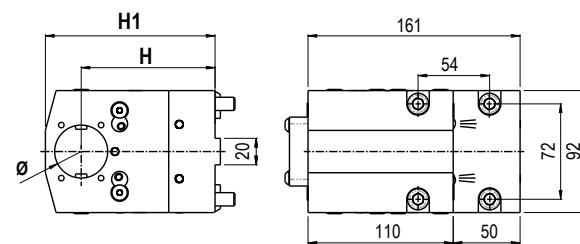
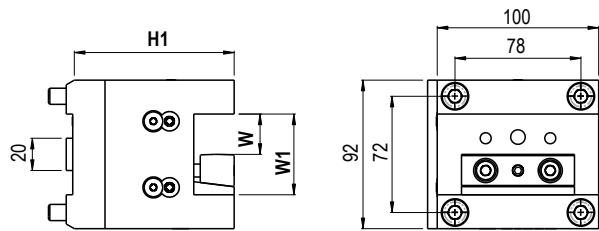
Code	H1	W
T.TS.A05	85	20
T.TS.A06	85	0,75"

MODELLI DI TORNIO COMPATIBILI
LATHE MODEL COMPATIBLES

TSUGAMI

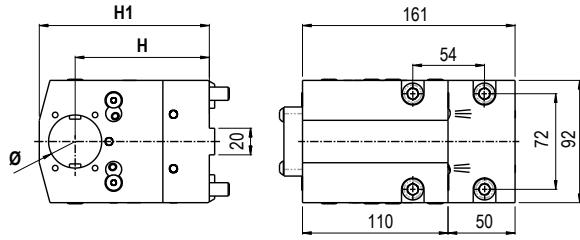
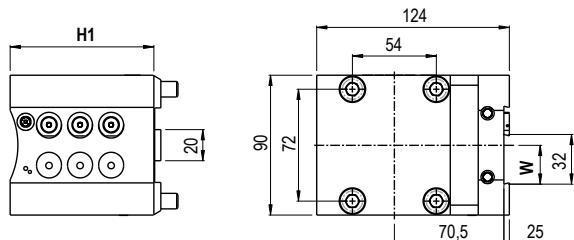
Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

**BMT
65**



Code	H1	W	W1	REFRIGERANTE COOLANT	
				TIPO - TYPE	Esterno External
T.TS.A07	100	25	50		
T.TS.A08	100	1"	2"		

Code	Ø	H	H1	REFRIGERANTE COOLANT	
				TIPO - TYPE	Esterno & Interno External & Internal
T.TS.A10	Ø40	85	128		
T.TS.A11	Ø1,5"	85	128		



Code	H1	W		REFRIGERANTE COOLANT	
				TIPO - TYPE	Esterno External
T.TS.A09	93	25			

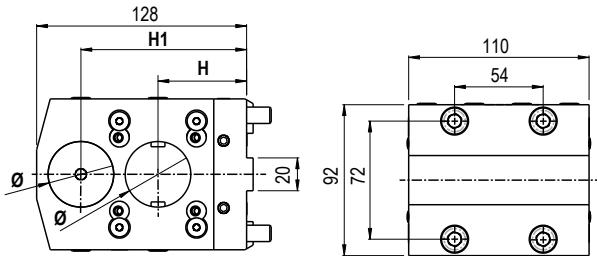
Code	Ø	H	H1	REFRIGERANTE COOLANT	
				TIPO - TYPE	Esterno & Interno External & Internal
T.TS.A12	Ø40	101	128		
T.TS.A13	Ø1,5"	101	128		

MODELLI DI TORNIO COMPATIBILI
LATHE MODEL COMPATIBLES

TSUGAMI

Vedi pagine compatibilità 6.6 / 6.7 - See compatibility pages 6.6 / 6.7

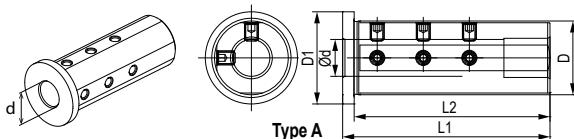
BMT
65



TIPO - TYPE		REFRIGERANTE COOLANT	
Porta Bareno Doppio Boring Bar Holder			
Code	Ø	H	H1
T.TS.A14	Ø40	54	101
T.TS.A15	Ø1,5"	54	101

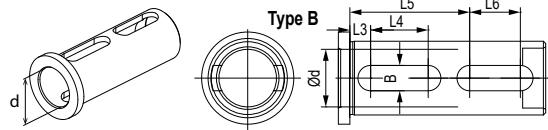
BUSSOLE DI RIDUZONE PER PORTABARENI BORING BAR HOLDER REDUCTION SLEEVES

Bloccaggio con grani / Clamping with set-screws

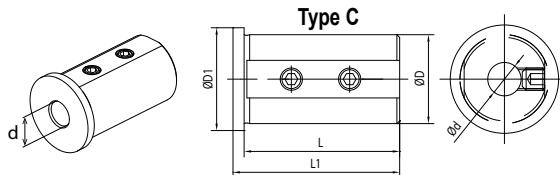


Code	ØD	Ød	ØD1	L1	L2	L3	L4	L5	L6	B	Type
T.B.A4006G	40	6	50	110	105	-	-	-	-	-	A
T.B.A4008G	40	8	50	110	105	-	-	-	-	-	A
T.B.A4010G	40	10	50	110	105	-	-	-	-	-	A
T.B.A4012G	40	12	50	110	105	-	-	-	-	-	A
T.B.A4016G	40	16	50	110	105	-	-	-	-	-	A
T.B.A4020G	40	20	50	110	105	-	-	-	-	-	A
T.B.A4025G	40	25	50	110	105	-	-	-	-	-	A
T.B.B4032G	40	32	50	110	105	10	35	65	28	13	B

Bloccaggio con doppia asola / Clamping with double slot

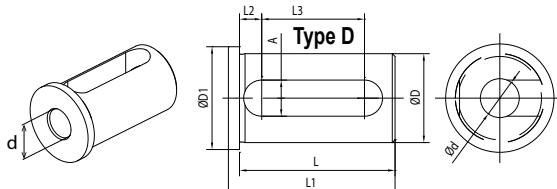


Bloccaggio con grani / Clamping with set-screws

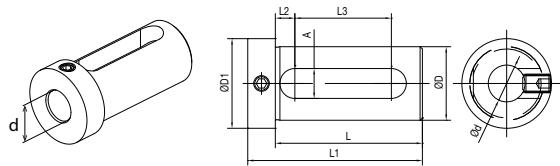


Code	ØD	Ød	L	L1	L2	L3	A	ØD1	Type
T.B.C4008K	40	8	71	75	-	-	-	45	C
T.B.C4010K	40	10	71	75	-	-	-	45	C
T.B.C4012K	40	12	71	75	-	-	-	45	C
T.B.D4016K	40	16	71	75	8	52	13	45	D

Bloccaggio con asola / Clamping with slot



Bloccaggio con asola e grano / Clamping with set-screw



Code	ØD	Ød	L	L1	L2	L3	A	ØD1
T.B.E4016K	40	16	74	88	9	51	14	48
T.B.E4020K	40	20	74	88	9	51	14	48
T.B.E4025K	40	25	74	88	9	51	14	48
T.B.E4032K	40	32	74	88	9	51	14	48



7

*Wide range of components
and accessories !*

ACCESSORIES & SPARE PARTS

Motorizzati / Driven Tools

INDICE - INDEX

ATC - AUTOMATIC TOOL CHANGE

	pages
PINZE	
INTRODUZIONE INTRODUCTIONS	
PINZE ER ER COLLETS	
PINZE ER - HP ER - HP COLLETS	from 7.3 to 7.6
PINZE ER - WP ER - WP COLLETS	
PINZE ER - MR ER-MR COLLETS	
SET DI PINZE ER DIN 6499 COLLETS SET ER DIN 6499	
PINZE ET-1 ET-1 COLLETS	
GHIERE E CHIAVI	
STANDARD STANDARD	
STANDARD ESAGONALI EXAGONAL STANDARD	
ESAGONALI EXAGONAL	
MINI - MINIC MINI & MINIC	
A FORTE SERRAGGIO BALL BEARING	from 7.7 to 7.11
A SETTORI FRONTALI FRONTAL	
VITI DI CHIUSURA PORTAFRESA SHELL & MILLING CUTTER LOCK SCREW	
CHIAVI BLOCCAGGIO ALBERI LOCK SHANK WRENCHES	
UGELLI DI REFRIGERAZIONE COOLING NOZZLE	
SIRINGA PER INGRASSAGGIO SYRINGE FOR GREASING	
QUICK CHANGE	
CAMBI RAPIDI MODULARI 2.0 MODULAR QUICK CHANGE ADAPTORS 2.0	NEW
	from 7.12 to 7.15
RECOOL	
GHIERE Recool Recool NUTS	NEW
DISCHETTI DI TENUTA PER GHIERE ReCool SEALING DISKS FOR ReCool nuts	NEW
	from 7.16 to 7.18

Motorizzati / Driven Tools

ACCESSORIES

Accessori e ricambi per portautensili motorizzati !

Accessories and spare parts for driven tools !

Ampia gamma di accessori e parti di ricambio per tutta la gamma di motorizzati Gerardi. Le ghiere e le pinze sono costruite in acciaio temprato e rettificato con macchine utensili ad alta precisione.

Wide range of accessories and spare parts for all types of Gerardi driven tools. Nuts and collet are produced with top quality steel and they are hardened and grinded with high precision.



Cambi Rapidi Quick changes



Il cambio rapido dell'utensile permette di ridurre i tempi morti della macchina. Tempi di installazione ridotti e possibilità di presetting a bordo macchina.

The quick change of preset tools shortens downtime of machine. Reduced set-up times and offline tool presetting possibility.

*Un ampia gamma di accessori!
Wide range of accessories!*

Ghiere ReCool Re Cool nuts



Con queste ghiere speciali è possibile ottenere il passaggio refrigerante fino a 150BAR tramite utensile anche su teste che non prevedono questa opzione

With these special nuts it is possible to get coolant through the tool (Up to 150BAR) even on angle heads which do not have this option.



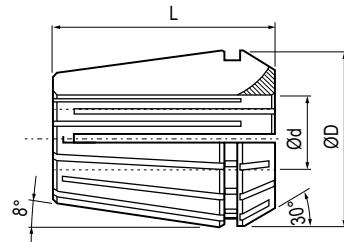
Pinze ER ER Collets



Pinze ER, pinze biconiche realizzate in acciaio e adatte al serraggio di utensili secondo normativa DIN 6499

ER Collets, steel biconical collets for tool clamping according to DIN6499 regulation.

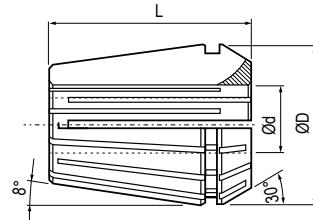
PINZE ER COLLETS ER

ER


PRECISIONE - RUN OUT
 $\leq 0,010$

TIPO TYPE	ØD	L	Ød	PROGRESSIONE PROGRESSION	DIN	Code	
ER8	8,5	13,5	Ø1÷5	0,5	6499/B	9.ER.08000 / 1 (Ø1)	
ER11	11,5	18	Ø1÷7	0,5	6499/B	9.ER.11000 / 1 (Ø1)	
ER16	17	27,5	Ø1÷10	0,5	6499/B	9.ER.16000 / 1 (Ø1)	
ER20	21	31,5	Ø1÷13	0,5	6499/B	9.ER.20000 / 1 (Ø1)	
ER25	26	34	Ø1÷16	0,5	6499/B	9.ER.25000 / 1 (Ø1)	
ER32	33	40	Ø2÷20	0,5	6499/B	9.ER.32000 / 2 (Ø2)	
ER40	41	46	Ø3÷30	0,5	6499/B	9.ER.40000 / 3 (Ø3)	

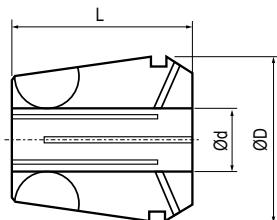
PINZE ER-HP ALTA PRECISIONE HIGH PRECISION ER-HP COLLETS

ER-HP


PRECISIONE - RUN OUT
 $\leq 0,005$

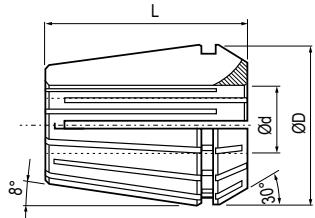
TIPO TYPE	ØD	L	Ød	PROGRESSIONE PROGRESSION	DIN	Code	
ER8 HP	8,5	13,5	Ø1÷5	0,5	6499/B	9.ER.08HP0 / 1 (Ø1)	
ER11 HP	11,5	18	Ø1÷7	0,5	6499/B	9.ER.11HP0 / 1 (Ø1)	
ER16 HP	17	27,5	Ø1÷10	0,5	6499/B	9.ER.16HP0 / 1 (Ø1)	
ER20 HP	21	31,5	Ø1÷13	0,5	6499/B	9.ER.20HP0 / 1 (Ø1)	
ER25 HP	26	34	Ø1÷16	0,5	6499/B	9.ER.25HP0 / 1 (Ø1)	
ER32 HP	33	40	Ø2÷20	0,5	6499/B	9.ER.32HP0 / 2 (Ø2)	
ER40 HP	41	46	Ø3÷30	0,5	6499/B	9.ER.40HP0 / 3 (Ø3)	

PINZE ER-WP A TENUTA STAGNA WATER PROOF ER-WP COLLETS

ER-WP

Max 40bar / 600psi
Pressione esercizio
Working pressure
PRECISIONE - RUN OUT
≤ 0,010

TIPO TYPE	ØD	L	Ød	PROGRESSIONE PROGRESSION	DIN	Code	
ER11 WP	11,5	18	Ø1÷7	0,5	6499/A	9.WP.11000 / 3 (Ø3)	
ER16 WP	17	27	Ø1÷10	0,5	6499/A	9.WP.16000 / 3 (Ø3)	
ER20 WP	21	31,5	Ø2÷13	0,5	6499/A	9.WP.20000 / 3 (Ø3)	
ER25 WP	26	34	Ø2÷16	0,5	6499/A	9.WP.25000 / 3 (Ø3)	
ER32 WP	33	40	Ø3÷20	0,5	6499/A	9.WP.32000 / 3 (Ø3)	
ER40 WP	41	46	Ø4÷26	0,5	6499/A	9.WP.40000 / 4 (Ø4)	

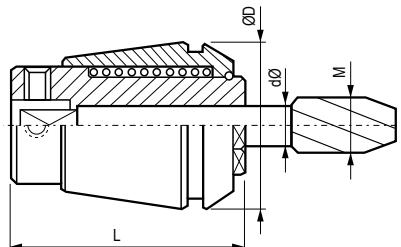
PINZE ER-MR ER - MR COLLETS

ER-MR

PRECISIONE - RUN OUT
≤ 0,002

TIPO TYPE	ØD	L	Ø	DIN	Code	
ER11 MR	17	18	1	6499	9.ER.11MR0/0...*	
			2			
			3-4-5-6			
ER16 MR	21	27,5	1	6499	9.ER.16MR0/0...*	
			2			
			3-4-5-6-8-10			
ER25 MR	33	34	1	6499	9.ER.25MR0/0...*	
			2			
			3-4-5-6-8-10-12-14-16			
ER32 MR	41	40	2	6499	9.ER.32MR0/0...*	
			3-4-5-6-8-10-12-14-16-18-20			

* Indicare sempre in fase d'ordine Ø utensile - In case of order specify the Ø tool

PINZE ET-1 COMPENSATE ET-1 COMPENSATED COLLETS

ET-1


TIPO TYPE	ØD	L	T	Ød	MASCHIATURA TAPPING	DIN	Code	
ET-1/16	17	27	7	Ø1,4±6	M1-M6	6499	9.ET.16000 / 2,5 (Ø2,5)	
ET-1/20	21	31	7	Ø2,2±7	M2-M8	6499	9.ET.20000 / 5 (Ø5)	
ET-1/25	26	34	8	Ø2,5±10	M2-M12	6499	9.ET.25000 / 6 (Ø6)	
ET-1/32	33	43	10	Ø4,5±12,5	M3,5-M16	6499	9.ET.32000 / 6 (Ø6)	
ET-1/40	41	54	13	Ø6±16	M6-M16	6499	9.ET.40000 / 6 (Ø6)	

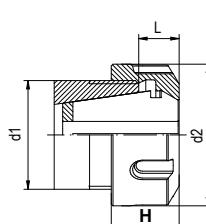
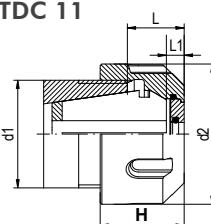
SET DI PINZE ER DIN 6499 - ISO 15788 COLLETS SET ER DIN6499 - ISO 15788



TIPO TYPE	N° PINZE # COLLETS	Ø	Code	
ER11	1 ÷ 7 - (13 Pinze - Collets)	1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7	9.ER.11000 / 13P	
ER16	1 ÷ 10 - (10 Pinze - Collets)	1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10	9.ER.16000 / 10P	
ER20	2 ÷ 13 - (12 Pinze - Collets)	2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13	9.ER.20000 / 12P	
ER25	2 ÷ 16 - (15 Pinze - Collets)	2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16	9.ER.25000 / 15P	
ER32	3 ÷ 20 - (18 Pinze - Collets)	3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 18 - 20	9.ER.32000 / 18P	
ER40	4 ÷ 26 - (23 Pinze - Collets)	4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 18 - 20 - 21 - 22 - 23 - 24 - 25 - 26	9.ER.40000 / 23P	

GHIERE STANDARD ESAGONALI EXAGONAL STANDARD NUTS

STD

STDC 11

STDC


Ghiera STD/C per filetto esterno - STD/C Nut for external thread

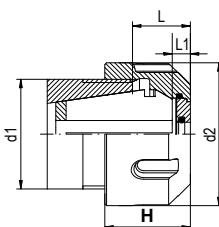
TIPO GHIERA NUT TYPE	d1	d2	H	L	L1	Code	
ER-11 STD	M14 x 0,75	19	11,3	4,9 - 6,6	-	9.ER.11STD_GDT	
ER-11 STDC **			19	8,1 - 9,8	3,5	9.ER.11STDC/Ø...	
ER-16 STD	M22 x 1,5	28	17,5	7 - 10,5	-	9.ER.16STD_GDT	
ER-16 STDC*			25	12 - 15,5	5	9.ER.16STDC	
ER-20 STD	M25 x 1,5	34	19	8 - 11,5	-	9.ER.20STD_GDT	
ER-20 STDC*			34	13 - 16,5	5	9.ER.20STDC	

** Dischetto di tenuta integrato, specificare Ø utensile - Sealing ring integrated, specify the Ø tool

* Per dischetti di tenuta - For sealing disks (Pag.7.18)

GHIERE STANDARD STANDARD NUTS

STD

STDC


Ghiera STD/C per filetto esterno - STD/C Nut for external thread

TIPO GHIERA NUT TYPE	d1	d2	H	L	L1	Code	
ER-25 STD	M32 x 1,5	42	20	8,5 - 12	-	9.ER.25STD_GDT	
ER-25 STDC*			25	13,5 - 17	5	9.ER.25STDC	
ER-32 STD	M40 x 1,5	50	22,5	9,5 - 13	-	9.ER.32STD_GDT	
ER-32 STDC*			27,5	14,5 - 18	5	9.ER.32STDC	
ER-40 STD	M50 x 1,5	63	25,5	11,5 - 15	-	9.ER.40STD_GDT	
ER-40 STDC*			30,5	16,5 - 20	5	9.ER.40STDC	
ER-50 STD	M64 x 2	78	35,5	14 - 21	-	9.ER.50STD_GDT	
ER-50 STDC*			42,5	19 - 26	5	9.ER.50STDC	

* Per dischetti di tenuta - For sealing disks (Pag.7.18)

CHIAVI WRENCHES



Chiave per ghiera - Wrench fo nuts

CHIAVI WRENCHES	Code	
CH-17 ES	9.CH.170ES	
CH-25 ES	9.CH.250ES	
CH-30 ES	9.CH.300ES	

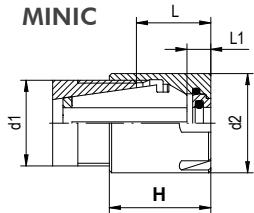
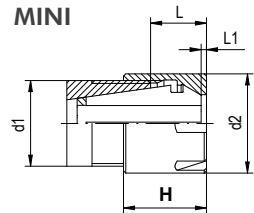
CHIAVI WRENCHES



Chiave per ghiera - Wrench fo nuts

CHIAVI WRENCHES	Code	
CH-25 STD	9.CH.25STD	
CH-32 STD	9.CH.32STD	
CH-40 STD	9.CH.40STD	
CH-50 STD	9.CH.50STD	

GHIERE MINI MINI NUTS



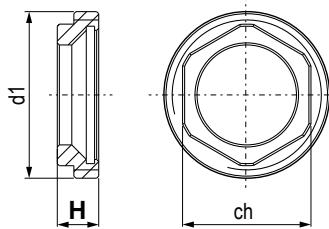
Ghiera per filetto esterno MINI/C - MINI/C Nut for external thread

TIPO GHIERA NUT TYPE	d1	d2	H	L	L1	Code	
ER-8 MINI	M10x0,75	12	10,8	4,6 - 6,1	1,5	9.ER.0800M_GDT	
ER-11 MINI	M13x0,75	16	12	5,7 - 7,5	0,4	9.ER.1100M_GDT	
ER-11 MINIC*			14,6	8,1 - 9,8	3,5	9.ER.1100MC	
ER-16 MINI	M19x1	22	18	8 - 11,5	0,9	9.ER.1600M_GDT	
ER-16 MINIC*			22	11,5 - 15	3,5	9.ER.1600MC	
ER-20 MINI	M24x1	28	19	8 - 11,5	-	9.ER.2000M_GDT	
ER-20 MINIC*			24	13 - 16,5	3,5	9.ER.2000MC	
ER-25 MINI	M30x1	35	20	8,5 - 12	-	9.ER.2500M_GDT	
ER-25 MINIC*			25	13,5 - 17	3,5	9.ER.2500MC	

* Per dischetti di tenuta - For sealing disks (Pag.7.18)

GHIERE ESAGONALI EXAGONAL NUTS

ES



Ghiera esagonale per filetto interno ES - Hexagonal nut for internal thread ES

TIPO GHIERA NUT TYPE	d1	H	CH	Code	
ER-11 ES	M18x1	10	13	9.ER.110ES	
ER-16 ES	M24x1	11	19	9.ER.160ES	
ER-20 ES	M28x1,5	14	22	9.ER.200ES	
ER-25 ES	M32x1,5	14	27	9.ER.250ES	
ER-32 ES	M40x1,5	17,5	32	9.ER.320ES	
ER-40 ES	M50x1,5	17,1	42	9.ER.400ES	

CHIAVI WRENCHES



Chiave per ghiera - Wrench fo nuts

CHIAVI WRENCHES	Code	
CH-8 MINI	9.CH.0800M	
CH-11 MINI	9.CH.1100M	
CH-16 MINI	9.CH.1600M	
CH-20 MINI	9.CH.2000M	
CH-25 MINI	9.CH.2500M	

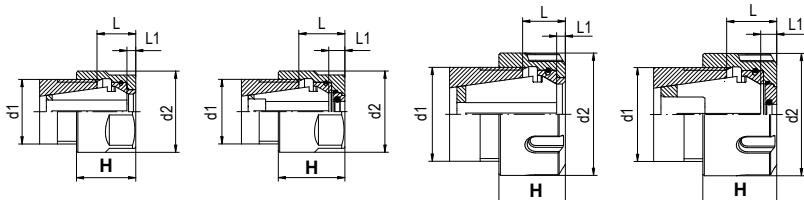
CHIAVI WRENCHES



Chiave per ghiera - Wrench for nuts

CHIAVI WRENCHES	Code	
CH-13 ES	9.CH.130ES	
CH-19 ES	9.CH.190ES	
CH-22 ES	9.CH.220ES	
CH-27 ES	9.CH.270ES	
CH-32 ES	9.CH.320ES	
CH-42 ES	9.CH.420ES	

GHIERE A FORTE SERRAGGIO BALL BEARING NUTS

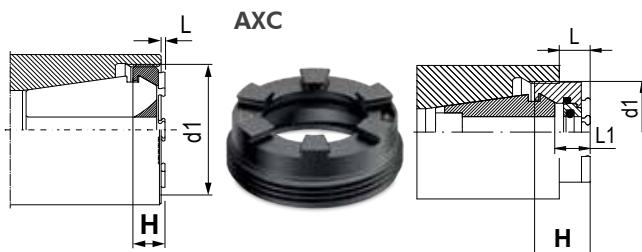
FSTD 16-20 FSTD 16-20 FSTD 25-40 FSTD 25-40

Ghiera con cuscinetto a sfera FSTD/C - FSTD/C Ball bearing nut for external thread

TIPO GHIERA NUT TYPE	d1	d2	H	L	L1	Code	
ER-16 FSTD	M22x1,5	28	20,2	10 - 13,6	3	9.ER.16FSTD	
ER-16 FSTD*			22,7	12,5 - 16	5,5	9.ER.16FSTD	
ER-20 FSTD	M25x1,5	34	21,7	11 - 14,5	3	9.ER.20FSTD	
ER-20 FSTD*			24,2	13,5 - 17	5,5	9.ER.20FSTD	
ER-25 FSTD	M32x1,5	42	22,6	11,5 - 15	3	9.ER.25FSTD	
ER-25 FSTD*			25,2	14 - 17,5	5,5	9.ER.25FSTD	
ER-32 FSTD	M40x1,5	50	25	12,5 - 16	3	9.ER.32FSTD	
ER-32 FSTD*			27,4	15 - 18,5	5,5	9.ER.32FSTD	
ER-40 FSTD	M50x1,5	63	28,2	14,5 - 18	3	9.ER.40FSTD	
ER-40 FSTD*			30,7	17 - 20,5	5,5	9.ER.40FSTD	

* Per dischetti di tenuta - For sealing disks (Pag.7.18)

GHIERE A SETTORI FRONTALI FRONTAL NUTS

AX

AXC

Ghiera a settori frontali per filetto interno - Frontal nut for internal thread

TIPO GHIERA NUT TYPE	d1	H	L	L1	Code	
ER-11 AX	M18x1	7,5	1,0-3,2	-	9.ER.110AX	
ER-11 AXC*		9,2	2,7-4,9	6,1	9.ER.110AXC	
ER-16 AX	M24x1	7,6	0,0-2,6	-	9.ER.160AX	
ER-16 AXC*		12,5	3,1-7,5	7,2	9.ER.160AXC	
ER-20 AX	M28x1,5	8,5	0,0-2,5	-	9.ER.200AX	
ER-20 AXC*		13,5	3,1-7,5	7,3	9.ER.200AXC	
ER-25 AX	M32x1,5	8,8	0,0-1,9	-	9.ER.250AX	
ER-25 AXC*		13,5	2,5-6,9	7,3	9.ER.250AXC	
ER-32 AX	M40x1,5	9,8	0,0-1,1	-	9.ER.320AX	
ER-32 AXC*		14,9	1,8-6,2	7,6	9.ER.320AXC	
ER-40 AX	M50x1,5	11,7	0,0-1,0	-	9.ER.400AX	
ER-40 AXC*		16,6	1,5-5,9	7,3	9.ER.400AXC	

* Per dischetti di tenuta - For sealing disks (Pag.7.18)

CHIAVI WRENCHES


Chiave per ghiera - Wrench fo nuts

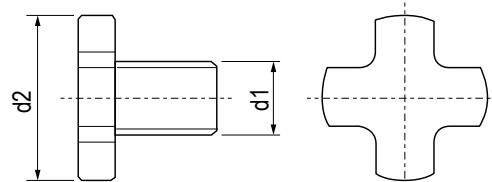
CHIAVI WRENCHES	Code	
CH-25 ES	9.CH.250ES	
CH-30 ES	9.CH.300ES	
CH-25 STD	9.CH.25STD	
CH-32 STD	9.CH.32STD	
CH-40 STD	9.CH.40STD	

CHIAVI WRENCHES


Chiave per ghiere - Wrench for nuts

CHIAVI WRENCHES	Code	
CH-11 AX	9.CH.110AX	
CH-16 AX	9.CH.160AX	
CH-20 AX	9.CH.200AX	
CH-25 AX	9.CH.250AX	
CH-32 AX	9.CH.320AX	
CH-40 AX	9.CH.400AX	

VITE DI CHIUSURA LOCK SCREW



Vite di chiusura DIN6367 Portafresa - Shell end milling cutter Lock screw DIN6367

VITE SCREW	d1	d2	Code	
PF-16 VT	M8	20	9.PF.160VT	
PF-22 VT	M10	28	9.PF.220VT	
PF-27 VT	M12	35	9.PF.270VT	

CHIAVI WRENCHES

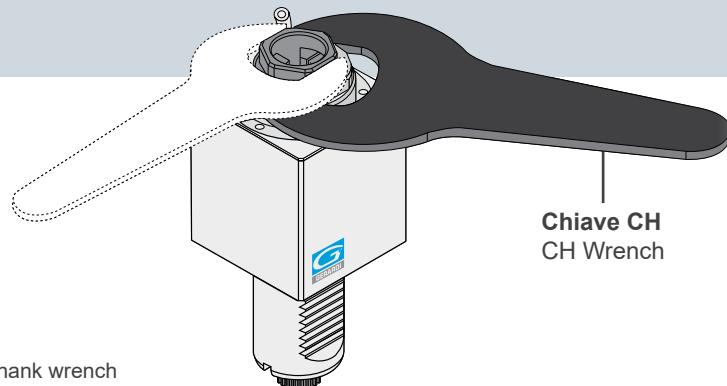


Chiave per vite di chiusura - Wrench for lock screw

CHIAVI WRENCHES	Code	
CH16 PF	9.CH.160VT	
CH16 PF	9.CH.220VT	
CH16 PF	9.CH.270VT	

CHIAVI WRENCHES VDI

SEMPRE INCLUSA - ALWAYS INCLUDED



Chiave per bloccaggio albero motorizzato - Driven tools lock shank wrench

CHIAVI WRENCHES	ER	ch	Code	
CH-27 ES	16	27	9.CH.270ES	
CH-36 ES	20	36	9.CH.360ES	
CH-41 ES	25	41	9.CH.410ES	
CH-46 ES	32	46	9.CH.460ES	
CH-56 ES	40	56	9.CH.560ES	

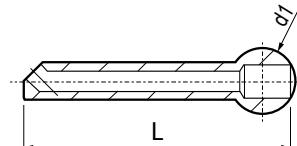
Chiavi bloccaggio albero portautensile - Driven Tools shank lock wrenches

CHIAVI WRENCHES	MOTORIZZATI DRIVEN TOOLS	Code	
	4S 4 settori - 4 sectors Dmg Mori / Mazak / Miyano / Nakamura	9.CH.XXX4S	
	5S 5 settori - 5 sectors Okuma	9.CH.XXX5S	
	6S 6 settori - 6 sectors Bmt / Dmg Mori / Haas / Mazak / Miyano / Nakamura	9.CH.XXX6S	

ATTENZIONE: Prima dell'ordine specificare sempre il codice del motorizzato in vostro possesso

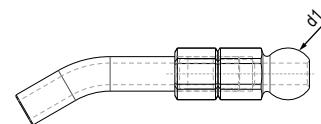
ATTENTION: Prima dell'ordine specificare sempre il codice del motorizzato in vostro possesso

UGELLI DI REFRIGERAZIONE COOLING NOZZLE



Ugello di refrigerazione - Cooling nozzle

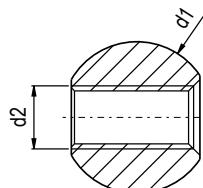
d1	L	Code	
Ø12	18	9.RF.12180	
Ø12	38	9.RF.12380	
Ø12	49	9.RF.12490	



Ugello di refrigerazione Cooling nozzle

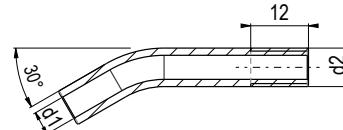
d1	Code	
Ø11	9.18.00011 *	

* Fino ad esaurimento scorte
* While stocks last



Sfera ugello - Nozzle ball pin

d1	d2	Code	
Ø9	M4	9.17.900M4	
Ø10	M5	9.17.900M5	
Ø12	M8	9.17.900M8	



Prolunga per ugello di refrigerazione
Cooling nozzle extensions

d1	d2	Code	
Ø2,5	M4	9.18.100M4	
Ø3	M5	9.18.100M5	
Ø5	M8	9.18.100M8	

SIRINGA PER INGRASSAGGIO SYRINGE FOR GREASING

Sistema di ingrassaggio rapido mediante siringa specifico per la lubrificazione degli ingranaggi delle teste angolari.

Quick greasing system through syringe. Designed specifically for the lubrication of Angle Heads' gears.

MODELLO MODEL	CAPACITÀ CAPACITY	Code	
Siringa grasso Grease syringe	30ml	9.FA.018055	
Tubetto grasso 2 Ep Grease tube 2 Ep	50ml	GLU037701	





MODULAR QUICK CHANGE ADAPTORS



**NEW
2024**



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

I cambi rapidi modulari Gerardi mantenendo il presetting precedentemente realizzato consentono un notevole risparmio dei costi ed un ottimizzazione dei tempi di allestimento macchina. Sono perfettamente compatibili con tutti i motorizzati e le teste angolari aventi uscita ER DIN6499 e possono essere utilizzati sia con refrigerante interno che esterno.

The Gerardi modular quick change adaptors keep the tool presetting previously made and allow great costs and minimum machine set up times. They are perfectly compatible with all driven tools and angle head with ER DIN6499 output and they can be used with internal or external coolant.



Prestazioni garantite, maggior rigidità ed una miglior trasmissione di coppia grazie alla losanga di trascinamento rimovibile e alla ghiera con cuscinetto a sfera.

Guaranteed rigidity, high performances and the best transmission thanks to the removable diamond plate and the ball bearing nut.





MODULAR QUICK CHANGE ADAPTORS

0
2.0

**NEW
2024**



COMPATIBILI CON TUTTE LE USCITE ER - COMPATIBLE WITH ALL ER OUTPUTS

SISTEMA MODULARE MODULAR SYSTEM



Facile e veloce sistema modulare universale per cambiare rapidamente diverse tipologie di utensili.

An easy modular system to replace quickly any tool you need.

VANTAGGI ADVANTAGES



Aiutano a ridurre i costi-extra per l'acquisto di nuovi motorizzati o teste angolari.

The costs for further requirements of spindle units can be reduced by using the universal quick change adaptors

ALTE PRESTAZIONI HIGH PERFORMANCE



Ghiera con cuscinetto a sfera losanga di trascinamento removibile per una maggiore rigidità.

High rigidity thanks to the ball bearing nut and the removable diamond plate

COMPATIBILITÀ COMPATIBILITY



Ampia gamma di uscite disponibili adatte al montaggio su qualsiasi tipologia di motorizzato o testa angolare con uscita ER

Wide range of outputs available. Ball bearing nut and removable diamond plate for highest rigidity.

- Nuovi cambi rapidi modulari 2.0 a FORTE SERRAGGIO, 100% Made in Italy.
- Prestazioni garantite e maggior rigidità sui motorizzati Gerardi grazie alla losanga di trascinamento (rimovibile) e alla ghiera con cuscinetto a sfera.
- Adattabili a motorizzati con uscita refrigerante sia interna che esterna.
- Si consiglia di non superare i 10.000 Rpm utilizzando i cambi rapidi

- Universal HIGH TORQUE modular quick change adaptor 100% Made in Italy.
- Guaranteed higher rigidity and performances on Gerardi driven tools thanks to the removable diamond plate and the ball bearing nut.
- Suitable for ER toolholder with external and internal coolant supply
- Using the quick change adaptors, we suggest not to exceed 10.000 Rpm

PER GHIERE INTERNE CON FILETTO ESTERNO FOR INTERNAL NUTS WITH EXTERNAL THREAD



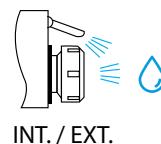
PER GHIERE ESTERNE CON FILETTO INERNO FOR EXTERNAL NUTS WITH INTERNAL THREAD



Passaggio Refrigerante Sempre Disponibile
Internal Coolant Always Available



EXTERNAL



INT. / EXT.



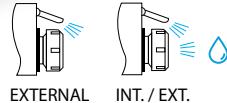
MODULAR QUICK CHANGE ADAPTORS

Per Ghiere Interne con Filetto Esterno

For Internal Nuts with External Thread



Passaggio Refrigerante Sempre Disponibile
Internal Coolant Always Available



EXTERNAL

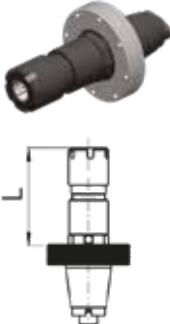
INT. / EXT.

ART. 182A PORTAPINZA - COLLET CHUCK



ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	29	ER 16	9.HT.ER25I.16E	
	31	ER 25	9.HT.ER25I.25E	
ER32	29	ER 20	9.HT.ER32I.20E	
	31	ER 25	9.HT.ER32I.25E	
ER40	35	ER 32	9.HT.ER32I.32E	
	35	ER 32	9.HT.ER40I.32E	
	40	ER 40	9.HT.ER40I.40E	

ART. 182E PORTAPINZA - COLLET CHUCK



ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	40	ER 16 MINI	9.HT.ER25I.16EL	
	40	ER 11 MINI	9.HT.ER32I.11EL	
ER32	50	ER 16 MINI	9.HT.ER32I.16EL	
	50	ER 20 MINI	9.HT.ER32I.20EL	
ER40	50	ER 16 MINI	9.HT.ER40I.16EL	
	50	ER 20 MINI	9.HT.ER40I.20EL	
	50	ER 25 MINI	9.HT.ER40I.25EL	

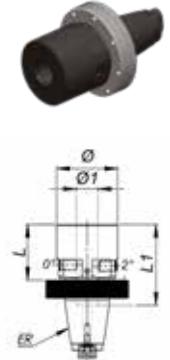
ART. 182D PORTAPINZA - COLLET CHUCK



ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	11	ER 16	9.HT.ER25I.16I	
ER40	14	ER 32	9.HT.ER40I.32I	

ART. 182C PORTA WELDON

CLAMPING CHUCK FOR ROUND SHAFT (Weldon)



ENTRATA INPUT	L	L1 (mm)	Ø1	Ø	Code	
ER25	28	36	8	21	9.HT.ER25I.W08	
	29	40	10	28	9.HT.ER25I.W10	
	31	45	12	34	9.HT.ER25I.W12	
	31	45	14	36	9.HT.ER25I.W14	
ER32	28	36	8	21	9.HT.ER32I.W08	
	29	40	10	28	9.HT.ER32I.W10	
	31	45	12	34	9.HT.ER32I.W12	
	34	49	16	38	9.HT.ER32I.W16	
ER40	36	51	20	45	9.HT.ER32I.W20	
	29	40	10	28	9.HT.ER40I.W10	
	31	45	12	34	9.HT.ER40I.W12	
	34	49	16	38	9.HT.ER40I.W16	
	36	51	20	45	9.HT.ER40I.W20	

ART. 182B PORTAFRESA - SHELL END MILL CUTTER *



ENTRATA INPUT	A (mm)	B (mm)	USCITA OUTPUT	Code	
ER25	27	16	Ø16	9.HT.ER25I.P16R	
	31	16	Ø22	9.HT.ER25I.P22R	
ER32	27	17	Ø16	9.HT.ER32I.P16R	
	31	17	Ø22	9.HT.ER32I.P22R	
ER40	31	20	Ø22	9.HT.ER40I.P22R	
	-	-	Ø27	9.HT.ER40I.P27R	

**ART. 182K MASTER PER ALLINEAMENTO
MASTER CONTROL PIN**



ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	95	Ø25	9.HT.ER25I.95MC	
ER32	105	Ø30	9.HT.ER32I.105MC	
ER40	105	Ø30	9.HT.ER40I.105MC	

**ART. 182M MASTER PER ALLINEAMENTO
MASTER CONTROL PIN**



ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	25	Ø25	9.HT.ER25I.25MP	
ER40	45	Ø30	9.HT.ER40I.30MP	

**ART. 182Q DISPOSITIVO PER MONTAGGIO
CAMBI RAPIDI DA PRESETTARE
QUICK CHANGE PRESETTING**



ENTRATA INPUT	L	USCITA OUTPUT	Code	
Ø65	37	ER25	9.HT.ER25I.P	
Ø75	42	ER32	9.HT.ER32I.P	
Ø85	47	ER40	9.HT.ER40I.P	



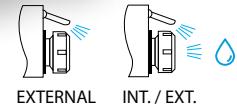
MODULAR QUICK CHANGE ADAPTORS



Per Ghiere Esterne con Filetto Interno

For External Nuts with Internal Thread

Passaggio Refrigerante Sempre Disponibile
Internal Coolant Always Available



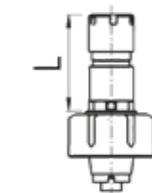
ART. 183A PORTAPINZA - COLLET CHUCK

ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	29	ER 16	9.HT.ER25E.16E	
	31	ER 20	9.HT.ER25E.20E	
	31	ER 25	9.HT.ER25E.25E	
ER32	29	ER 20	9.HT.ER32E.20E	
	31	ER 25	9.HT.ER32E.25E	
	35	ER 32	9.HT.ER32E.32E	
ER40	31	ER 25	9.HT.ER40E.25E	
	35	ER 32	9.HT.ER40E.32E	
	40	ER 40	9.HT.ER40E.40E	



ART. 183E PORTAPINZA - COLLET CHUCK

ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	30	ER 11 MINI	9.HT.ER25E.11EL	
	40	ER 16 MINI	9.HT.ER25E.16EL	
ER32	40	ER 11 MINI	9.HT.ER32E.11EL	
	50	ER 16 MINI	9.HT.ER32E.16EL	
ER40	50	ER 20 MINI	9.HT.ER32E.20EL	
	50	ER 16 MINI	9.HT.ER40E.16EL	
	50	ER 20 MINI	9.HT.ER40E.20EL	
	50	ER 25 MINI	9.HT.ER40E.25EL	

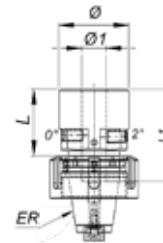


ART. 183D PORTAPINZA - COLLET CHUCK

ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	9	ER 11	9.HT.ER25E.11I	
	11	ER 16	9.HT.ER25E.16I	
ER32	11	ER 20	9.HT.ER32E.20I	
	11	ER 25	9.HT.ER32E.25I	
ER40	12	ER 25	9.HT.ER40E.25I	
	14	ER 32	9.HT.ER40E.32I	

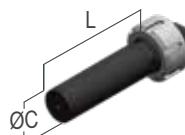


ART. 183C PORTA WELDON -
CLAMPING CHUCK FOR ROUND SHAFT (Weldon)



ART. 183B PORTAFRESA - SHELL END MILL CUTTER *

ENTRATA INPUT	A (mm)	B (mm)	USCITA OUTPUT	Code	
ER25	27	16	Ø16	9.HT.ER25E.P16R	
	31	16	Ø22	9.HT.ER25E.P22R	
ER32	27	17	Ø16	9.HT.ER32E.P16R	
	31	17	Ø22	9.HT.ER32E.P22R	
ER40	31	20	Ø22	9.HT.ER40E.P22R	



ART. 183K MASTER PER ALLINEAMENTO
MASTER CONTROL PIN

ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	95	Ø25	9.HT.ER25E.95MC	
ER32	105	Ø30	9.HT.ER32E.105MC	
ER40	105	Ø30	9.HT.ER40E.105MC	



ART. 183M MASTER PER ALLINEAMENTO
MASTER CONTROL PIN

ENTRATA INPUT	L	USCITA OUTPUT	Code	
ER25	25	Ø25	9.HT.ER25E.25MP	
ER40	45	Ø30	9.HT.ER40E.30MP	



ART. 183P DISPOSITIVO PER MONTAGGIO
CAMBI RAPIDI DA PRESETTARE
QUICK CHANGE PRESETTING

ENTRATA INPUT	L	USCITA OUTPUT	Code	
Ø65	37	ER25	9.HT.ER25.EP	
Ø75	42	ER32	9.HT.ER25.EP	
Ø85	47	ER40	9.HT.ER40.EP	

RE COOL NUTS



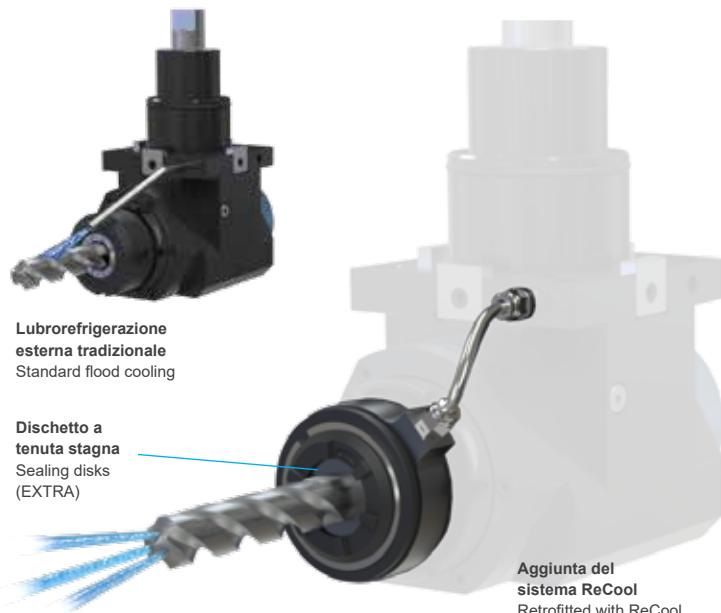
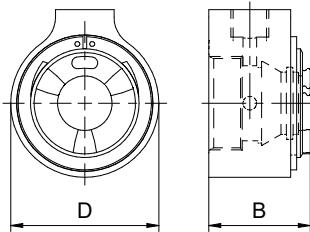
SISTEMA RECOOL PER GHIERE ESTERNE E MINI RECOOL SYSTEM FOR EXTERNAL NUTS AND MINI

APPLICAZIONE RAPIDA E FACILE DELLA REFRIGERAZIONE INTERNO DALL'ESTERNO
REASONABLE FAST AND EASY CONVERSION TO INTERNAL COOLANT

CARATTERISTICHE PRINCIPALI:

KEY FEATURES:

- Refrigerazione ottimale del tagliente: prolungata vita utile degli utensili, ridotti tempi di lavorazione.
- ottima evacuazione del truciolo
- Totale assenza di dispersione di lubrorefrigerante
- Refrigerazione interna o periferica con i dischetti a tenuta stagna (7.18)
- Optimized coolant supply to the cutting edge: increases tool life and reduces cycle time
- Best chip removal
- No scattering or spray losses
- Internal or peripheral coolant through sealing disks (Pag. 7.18)



Dotazione Standard

- Ghiera ReCool ER 11-40
- Tubo refrigerante Ø6, 400mm
- 2 Raccordi dritti da 1/8"
- 2 Raccordi a 90° da 1/8"

Standard equipment:

- ReCool nut ER 11-40
- Coolant pipe Ø6, 400mm
- 2 Fitting 1/8" straight
- 2 Fitting 1/8" 90° elbow

- Ghiera ReCool ER Mini 11-25
- Tubo refrigerante Ø6, 400mm
- 2 Raccordi dritti da 1/8"
- 2 Raccordi a 90° da 1/8"

- ReCool nut ER Mini 11-25
- Coolant pipe Ø6, 400mm
- 2 Fitting 1/8" straight
- 2 Fitting 1/8" 90° elbow



PARAMETRI TECNICI TECHNICAL DATA

I seguenti parametri si applicano al ReCool:

Velocità di rotazione max.: 12 000 rpm (6000 rpm con ER40)

Pressione lubrificante max.: 150 bar / 2175 PSI* (con tubo ad alta pressione)

Pressione lubrificante min.: in base alla velocità di rotazione (vedi tabella)

The following parameters apply to ReCool:

Max. Rotation speed: 12,000 rpm (6000 rpm with ER40)

Max. Coolant pressure: 150 bar/2175 PSI* (with high pressure hose)

Min. Coolant pressure: depending on the rotational speed (see table)

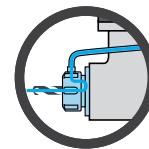
Ghiere STD STD Nuts	Codice Code	Dimensions mm		Filetto Thread	Chiave Screw (EXTRA)*	
		B	D			
GRCR 11	9.GR.CR11	16,6	21,75	M 14 X 0,75	9.CH.11AX	
GRCR 16	9.GR.CR16	24,5	34	M 22 X 1,5	9.CH.16AX	
GRCR 20	9.GR.CR20	26	40	M 25 x 1,5	9.CH.20AX	
GRCR 25	9.GR.CR25	27	50	M 32 x 1,5	9.CH.25AX	
GRCR 32	9.GR.CR32	29,5	62,5	M 40 x 1,5	9.CH.32AX	
GRCR 40	9.GR.CR40	32,5	72,5	M 50 x 1,5	9.CH.40AX	

Ghiere MINI MINI Nuts	Codice Code	Dimensions mm		Filetto Thread	Chiave Screw (EXTRA)*	
		B	D			
GRCRM 11	9.GR.CRM11	16,6	21,75	M 13 X 0,75	9.CH.11AX	
GRCRM 16	9.GR.CRM16	24,5	31	M 19 X 1	9.CH.16AX	
GRCRM 20	9.GR.CRM20	26	38	M 24 x 1	9.CH.20AX	
GRCRM 25	9.GR.CRM25	27	46	M 30 x 1	9.CH.25AX	

*Vedi pag. 7.9 / See pages 7.9

Tipo di ghiera Nut type	≤3000 Rpm	≤6000 Rpm	≤9000 Rpm	≤12000 Rpm	
					Minimum pressure
GRCR 11 / GRCRM 11	5 bar / 73 PSI	7,5 bar / 109 PSI	10 bar / 145 PSI	15 bar / 218 PSI	
GRCR 16 / GRCRM 16	5 bar / 73 PSI	7,5 bar / 109 PSI	10 bar / 145 PSI	15 bar / 218 PSI	
GRCR 20 / GRCRM 20	5 bar / 73 PSI	7,5 bar / 109 PSI	10 bar / 145 PSI	15 bar / 218 PSI	
GRCR 25 / GRCRM 25	5 bar / 73 PSI	7,5 bar / 109 PSI	10 bar / 145 PSI	15 bar / 218 PSI	
GRCR 32	5 bar / 73 PSI	7,5 bar / 109 PSI	10 bar / 145 PSI	15 bar / 218 PSI	
GRCR 40	5 bar / 73 PSI	7,5 bar / 109 PSI	-	-	

RE COOL NUTS



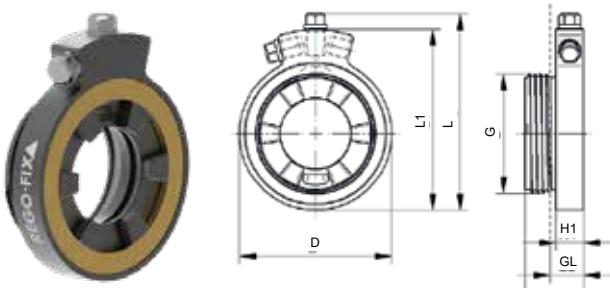
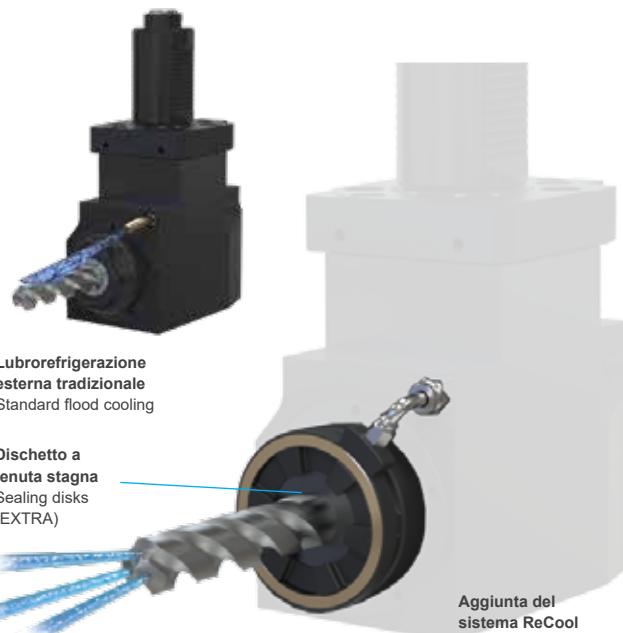
SISTEMA RECOOL PER GHIERE INTERNE RECOOL SYSTEM FOR INTERNAL NUTS

APPLICAZIONE RAPIDA E FACILE DELLA REFRIGERAZIONE INTERNO DALL'ESTERNO
REASONABLE FAST AND EASY CONVERSION TO INTERNAL COOLANT

CARATTERISTICHE PRINCIPALI:

KEY FEATURES:

- Refrigerazione ottimale del tagliente: prolungata vita utile degli utensili, ridotti tempi di lavorazione.
- ottima evacuazione del truciolo
- Totale assenza di dispersione di lubrorefrigerante
- Refrigerazione interna o periferica con i dischetti a tenuta stagna (7.18)
- Optimized coolant supply to the cutting edge: increases tool life and reduces cycle time
- Best chip removal
- No scattering or spray losses
- Internal or peripheral coolant through sealing disks (Pag. 7.18)



Dotazione Standard
- Ghiera ReCool ER 16-32

Standard equipment:
- ReCool nut ER 16-32



PARAMETRI TECNICI TECHNICAL DATA

I seguenti parametri si applicano al ReCool:

Velocità di rotazione max.: 12 000 rpm (6000 rpm con ER40)

Pressione lubrificante max.: 100 bar / 2175 PSI

Pressione lubrificante min.: in base alla velocità di rotazione (vedi tabella)

The following parameters apply to ReCool:

Max. Rotation speed: 12,000 rpm (6000 rpm with ER40)

Max. Coolant pressure: 100 bar/2175 PSI* (with high pressure hose)

Min. Coolant pressure: depending on the rotational speed (see table)

Tipo di ghiera Nut type	Codice Code	Dimensions mm						Filetto Thread	Chiave Screw (EXTRA)*	
		D	L	L1	H	H1	GL			
GRCRX 16	9.GR.CRX16	34	46	41,5	14,5	7,6	9	M 24 X 1	9.CH.16AX	
GRCRX 20	9.GR.CRX20	37,5	49	45	15,5	7,6	9	M 28 x 1,5	9.CH.20AX	
GRCRX 25	9.GR.CRX25	41	53	48,5	15,8	7,6	9	M 32 x 1,5	9.CH.25AX	
GRCRX 32	9.GR.CRX32	49	61	56,5	16,9	7,6	9	M 40 x 1,5	9.CH.32AX	

*Vedi pag. 7.9 / See pages 7.9

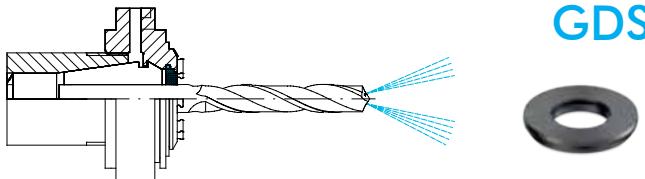
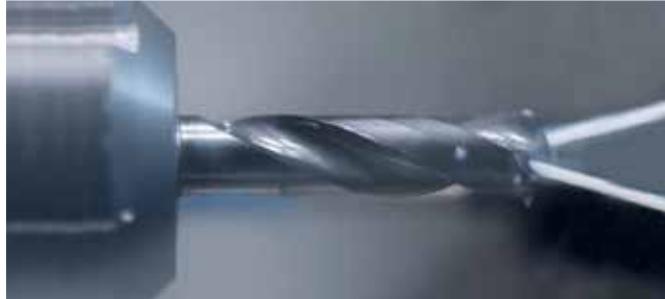
Accessori ReCool ReCool Accessories	Codice Code	Lunghezza mm Length mm		Filetto Thread	
	9.GR.HSAX080	80		-	
	9.GR.HSAX100	100		-	
	9.GR.HSAX120	120		-	
	9.GH.S610RF6	-		M6 x 1	

Tipo di ghiera Nut type	≤3000 Rpm		≤6000 Rpm		≤9000 Rpm		≤12000 Rpm	
	Minimum pressure							
GRCRX 16	5 bar / 73 PSI		7,5 bar / 109 PSI		10 bar / 145 PSI		15 bar / 218 PSI	
GRCRX 20	5 bar / 73 PSI		7,5 bar / 109 PSI		10 bar / 145 PSI		15 bar / 218 PSI	
GRCRX 25	5 bar / 73 PSI		7,5 bar / 109 PSI		10 bar / 145 PSI		15 bar / 218 PSI	
GRCRX 32	5 bar / 73 PSI		7,5 bar / 109 PSI		10 bar / 145 PSI		15 bar / 218 PSI	

RE COOL NUTS

DISCHETTI A TENUTA STAGNA PER GHIERE - SEALING DISKS FOR NUTS

REFRIGERAZIONE INTERNA - INTERNAL COOLANT



CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione interna con Ghiera ReCool, con il dischetto a tenuta stagna GDS
- Precisa refrigerazione del tagliente e migliore asportazione di truciolo
- Ideale soprattutto per elevate profondità
- Lubrificazione e refrigerazione del tagliente
- Ottima finitura superficiale

- Achieve internal cooling with ReCool nuts and the use of our sealing disk GDS
- Precise cooling at the cutting edge and improved chip removal
- Particularly suitable for deep cavities
- Lubrication of cutting edge and cooling
- Best surface quality

GDS

Disco di tenuta
Sealing ring



Disco Ring	Codici Code	
GDS11	9.GD.S11...*	
GDS16	9.GD.S16...*	
GDS20	9.GD.S20...*	
GDS25	9.GD.S25...*	
GDS32	9.GD.S32...*	
GDS40	9.GD.S40...*	

* Indicare sempre in fase d'ordine Ø utensile

* In case of order specify the Ø tool

MINIC

Ghiera MINIC
MINIC Nut



Ghiera Nut	H	Codici Code	
ER-11 MINIC	14,6	9.ER.1100MC	
ER-16 MINIC	22,5	9.ER.1600MC	
ER-20 MINIC	24	9.ER.2000MC	
ER-25 MINIC	25	9.ER.2500MC	
-	-	-	
-	-	-	

STDC

Ghiera STDC
STDC Nut



Ghiera Nut	H	Codici Code	
ER-11 STDC*	14,6	9.ER.11STDTC	
ER-16 STDC	22,5	9.ER.16STDTC	
ER-20 STDC	24	9.ER.20STDTC	
ER-25 STDC	25	9.ER.25STDTC	
ER-32 STDC	27,5	9.ER.32STDTC	
ER-40 STDC	30,5	9.ER.40STDTC	

* Dischetto di tenuta integrato

* Sealing ring integrated

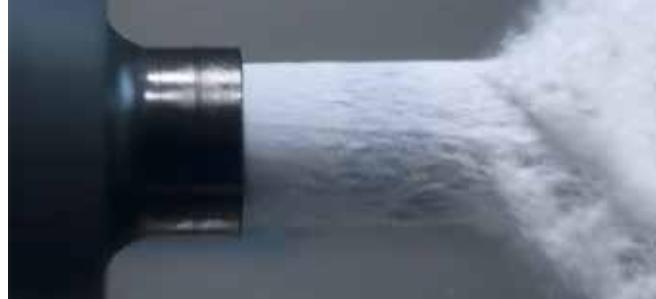
AXC

Ghiera a settori frontalii
Frontal nut



Ghiera Nut	H	Codici Code	
ER-11 AXC	7,5	9.ER.110AXC	
ER-16 AXC	7,6	9.ER.160AXC	
ER-20 AXC	8,5	9.ER.200AXC	
ER-25 AXC	8,8	9.ER.250AXC	
ER-32 AXC	9,8	9.ER.320AXC	
ER-40 AXC	11,7	9.ER.400AXC	

REFRIGERAZIONE PERIFERICA - PERIPHERAL COOLANT



GKS



CARATTERISTICHE PRINCIPALI - KEY FEATURES

- Facile aggiunta della lubrorefrigerazione periferica con Ghiera ReCool, con il dischetto per refrigerazione GKS
- Lubrorefrigerante lungo l'utensile fino al tagliente
- Ideale per profondità medie
- Applicabile su teste e motorizzati con refrigerante interno con apposita ghiera STDC - MINIC - AXC

- Achieve peripheral cooling with ReCool nuts and the use of our coolant flush disk GKS
- Coolant is fed along the side of the tool to the cutting edge
- Can be used for moderate cavities
- Applicable on Angle Heads and Driven Tools with internal coolant through suitable nut

GKS

Disco di tenuta
Sealing ring



Disco Ring	Codici Code	
-	-	
GKS16	9.GK.S16...*	
GKS20	9.GK.S20...*	
GKS25	9.GK.S25...*	
GKS32	9.GK.S32...*	
-	-	

* Indicare sempre in fase d'ordine Ø utensile

* In case of order specify the Ø tool

STDC

Ghiera STDC
STDC Nut



Ghiera Nut	H	Codici Code	
-	-	-	
ER-16 STDC	32	9.ER.16STDTC	
ER-20 STDC	35	9.ER.20STDTC	
ER-25 STDC	42	9.ER.25STDTC	
ER-32 STDC	50	9.ER.32STDTC	
-	-	-	

Per maggiori informazioni vedi pag. 7.7 - 7.9 - For more infos see pages 7.7 - 7.9