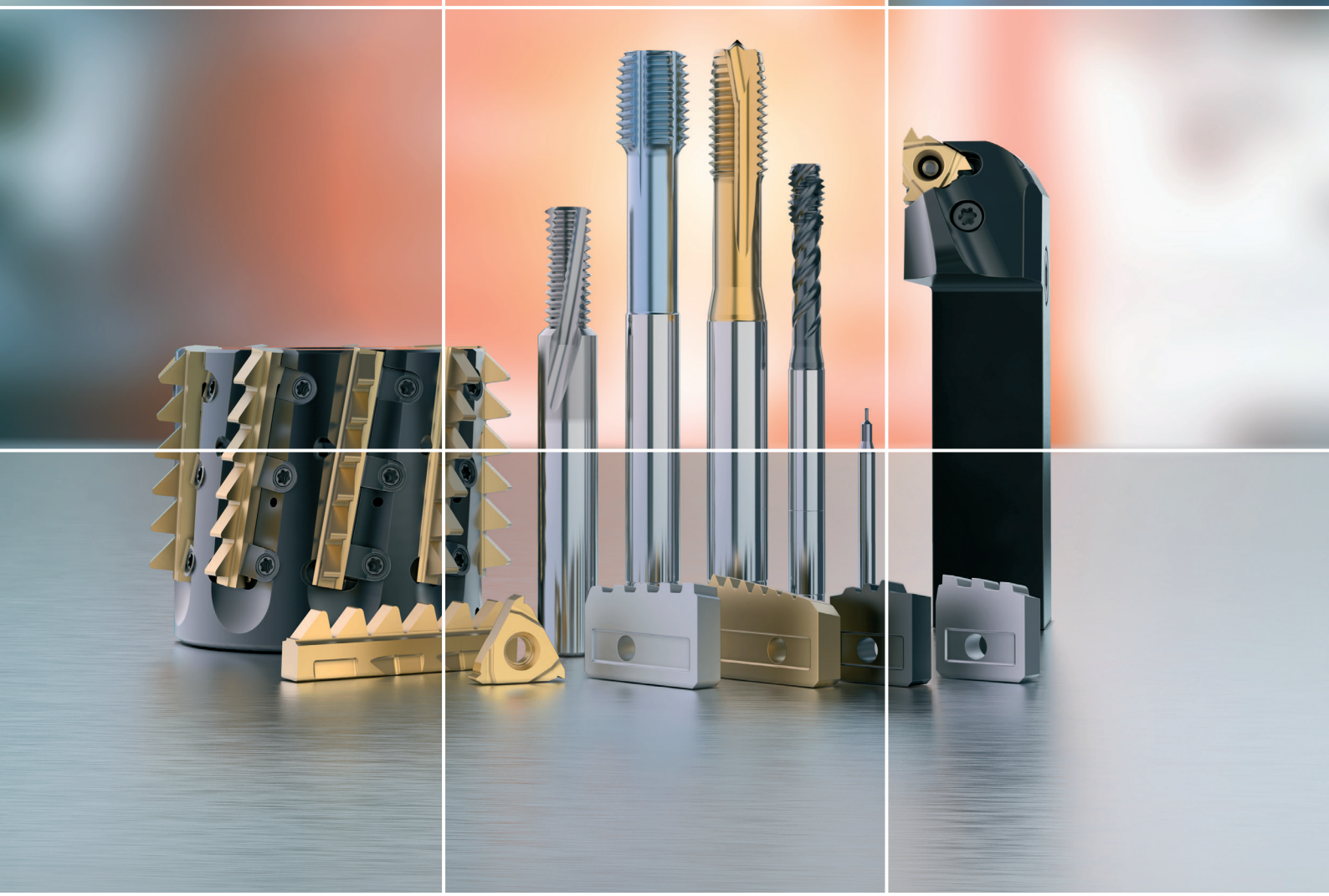
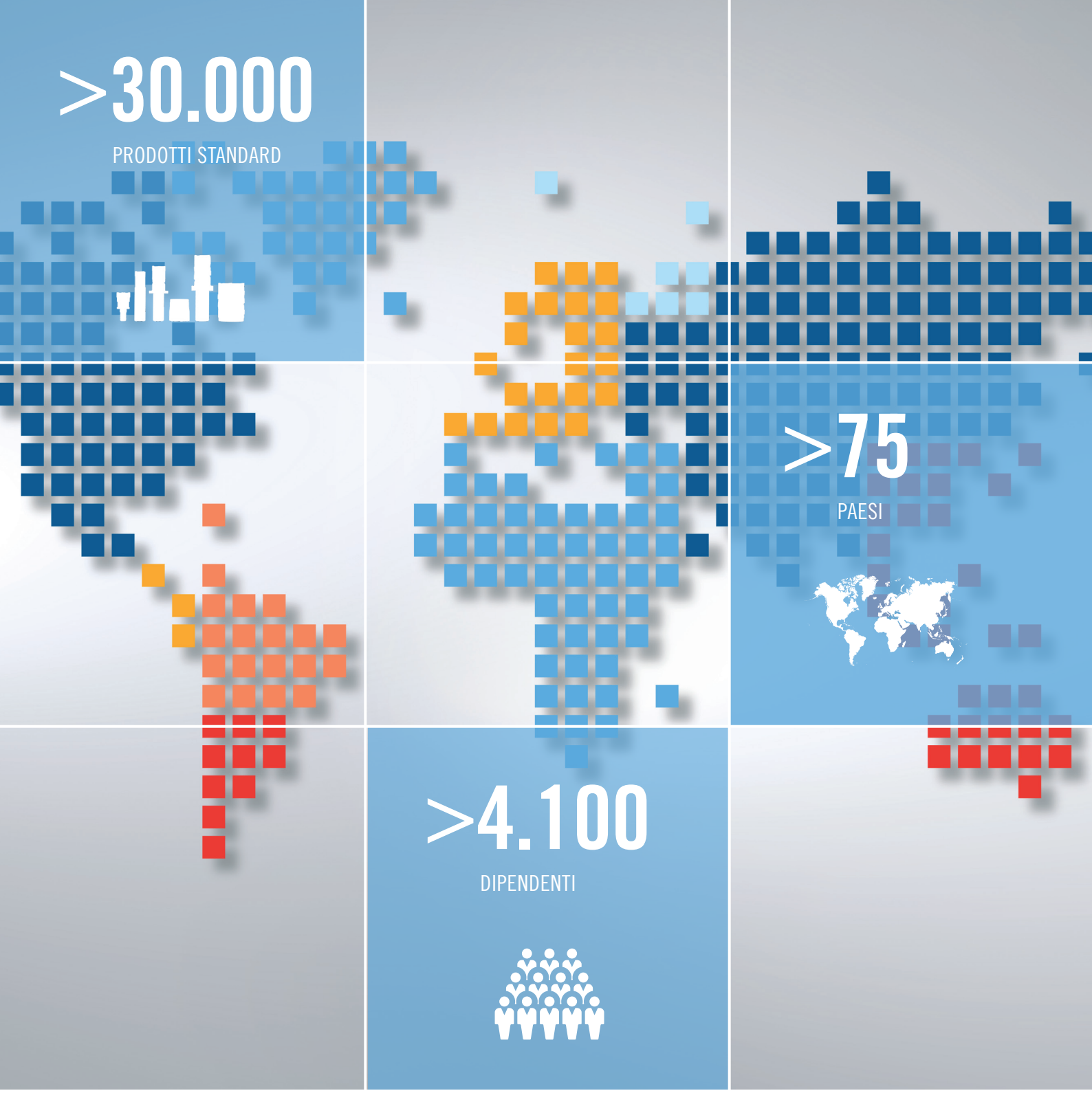
CATALOGO E GUIDA TECNICA 2023.1



FILETTATURA

uemme TOOLS and EQUIPMENT

SECO



Con sede a Fagersta, in Svezia, e presente in oltre 75 Paesi, Seco Tools è un fornitore globale di soluzioni per lavorazioni ad asportazione di truciolo di fresatura, tornitura, lavorazione fori e sistemi di utensili.

Da più di 80 anni l'azienda offre ai propri clienti le tecnologie, i processi e l'assistenza necessari per massimizzare produttività e redditività.
Per ulteriori informazioni sul contributo dei prodotti innovativi e dei servizi Seco per il successo dei produttori di tutti i segmenti industriali, visita il sito www.secotools.it.

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Chiavi di codifica

Portautensili

C	E	R	25	25	M	16	Q	HD
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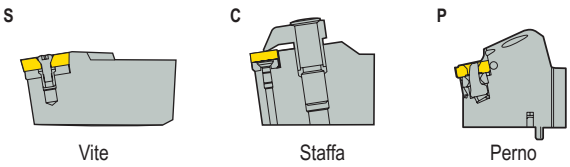
1. Bloccaggio inserto



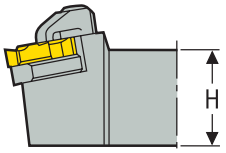
2. Esterno/Interno

E = Esterno
N = Interno

3. Direzione di taglio

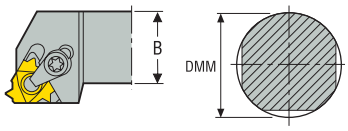
X = Speciale

4. Altezza stelo



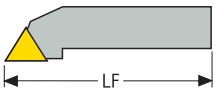
00 = Portautensili tondi S & C
25 = 25 mm *(0,984")*
32 = 32 mm *(1,260")*
ecc.

5. Larghezza/diametro stelo



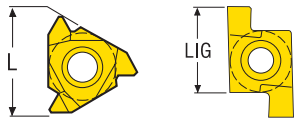
20 = 20 mm *(0,787")*
25 = 25 mm *(0,984")*
ecc.

6. Lunghezza utensile



H = 100 mm *(3,937")*
K = 125 mm *(4,921")*
L = 140 mm *(5,512")*
M = 150 mm *(5,906")*
P = 170 mm *(6,693")*
Q = 180 mm *(7,087")*
R = 200 mm *(7,874")*
S = 250 mm *(9,843")*
T = 300 mm *(11,811")*
U = 350 mm *(13,780")*
V = 400 mm *(15,748")*

7. Lunghezza del tagliente



Se la lunghezza tagliente è di una sola cifra, questa deve essere preceduta da uno zero (0).

Esempio:
Lunghezza tagliente = 16,5 mm *(0,650")*
Simbolo = 16
Lunghezza tagliente = 9,525 mm *(0,375")*
Simbolo = 09

8. Altre informazioni

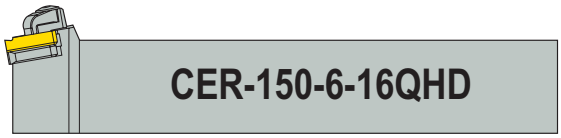
A = stelo in acciaio con foro adduzione refrigerante
Q = con tagliente disallineato
CQ = per montaggio rovesciato

9. Altre informazioni

H = barra ad alta densità
HD = impieghi pesanti
JET = Jetstream Tooling®
JETI = Jetstream Tooling® Jeti

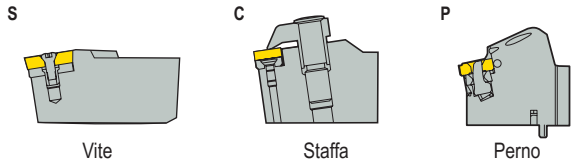
Chiavi di codifica

Portautensili



C	E	R		-	150	-	6	-	16	Q	HD
1	2	3	4		5		6		7	8	9

1. Bloccaggio inserto



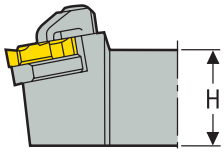
2. Esterno/Interno

E = Esterno
N = Interno

3. Direzione di taglio

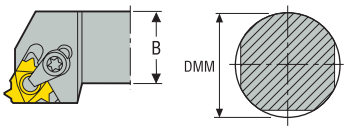
X = Speciale

4. Definizione dello stelo



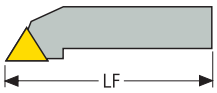
00 = Barre di barenatura
= Steli quadrati

5. Altezza/larghezza stelo quadrato e diametro della barra



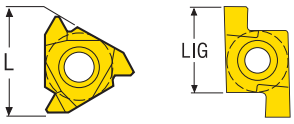
Per utensili con stelo quadrato, altezza e larghezza in pollici.
Per barre di barenatura, diametro in pollici.
075 = 0,75
100 = 1,00
125 = 1,25
ecc.

6. Lunghezza utensile



3 = 3”
4 = 4”
5 = 5”
6 = 6”

7. Lunghezza del tagliente



Se la lunghezza tagliente è di una sola cifra, questa deve essere preceduta da uno zero (0).

Esempio:
Lunghezza tagliente = 16,5 mm (0,650”)
Simbolo = 16
Lunghezza tagliente = 9,525 mm (0,375”)
Simbolo = 09

8. Altre informazioni

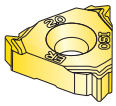
A = Acciaio con foro adduzione refrigerante
Q = Qualificato
CQ = Per montaggio rovesciato

9. Altre informazioni

H = barra ad alta densità
HD = impieghi pesanti
JET = Jetstream Tooling®
JETI = Jetstream Tooling® Jeti

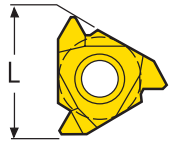
Chiavi di codifica

Inserti



16	E	R	1.5	ISO	–	A1
1	2	3	4	5		6

1. Lunghezza del tagliente



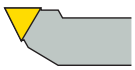
Esempio:
Lunghezza tagliente = 16,5 mm (0,650")
Simbolo = 16
Lunghezza tagliente = 9,525 mm (0,375")
Simbolo = 09

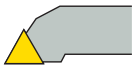
Se la lunghezza tagliente è di una sola cifra, questa deve essere preceduta da uno zero (0).

2. Esterno/Interno

E = Esterno
N = Interno

3. Direzione di taglio

L 

R 

X = Speciale

4. Passo

Profilo completo: (mm)	0,50	1,25	3,00	6,00	
	0,70	1,50	4,00	8,00	
	0,75	1,75	4,50	10,0	
	0,80	2,00	5,00	12,0	
	1,00	2,50	5,50	14,0	
Profilo completo: TPI (filetti per pollice)	48	18	11	6,0	2,5
	40	16	10	5,0	2,0
	32	14	9	4,5	
	24	13	8	4,0	
	20	12	7	3,0	

Profilo parziale:	A	= 0,50-1,50 mm	48-16 TPI
	AG	= 0,50-3,00 mm	48-8 TPI
	G	= 1,75-3,00 mm	14-8 TPI
	N	= 3,50-5,00 mm	7-5 TPI
	K	= 5,50-10,00 mm	4,5-2,5 TPI

5. Filettatura

Filettatura =	= Profilo a V, 60°
60	= Profilo a V, 55°
55	= ISO, metrico
ISO	= Am. UN
UN	= Am. Aerospaziale
UNJ	= Metr. Aerospaziale
MJ	= Whitworth, BSW
W	= Whitworth, conica
BSPT	= Am. NPT
NPT	= Am. NPTF (Dryseal)
NPTF	= Tonda, DIN405
RD	= Trapezoidale, DIN103
TR	= Am. ACME-G
ACME	= Am. Stub-ACME
STACME	= API V 038R 1:4
API 384	= API V 038R 1:6
API 386	= API V 040 1:4
API 404	= API V 050 1:4
API 504	= API V 050 1:6
API 506	= API Round Casing
API RD	= Buttress, 1°47'
BUT 2.5	= Buttress, 2°23'
BUT 2.6	

6. Numero di denti per tagliente/Tipo di formatruciolo

2M = 2 denti
3M = 3 denti
TT = TWIN THREADER

A = Universale
A1 = Codice di ordinazione formatruciolo
A2 = Codice di ordinazione formatruciolo

Processo di scelta

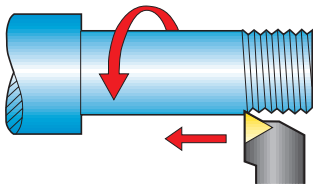
Seco Suggest

Allo scopo di semplificare la scelta degli utensili e dei parametri di taglio, Seco Tools ha introdotto la funzione Suggest, che elimina ricerche, programmazioni e calcoli complicati. Suggest fornisce i suggerimenti migliori per il tipo di attacco, l'inserto e i parametri ottimizzati per l'applicazione e permette di scaricare le informazioni sulla macchina CNC.

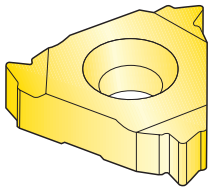
L'applicazione è disponibile all'indirizzo https://www.secotools.com/dashboard/Suggest/Suggest.

Utilizzare la procedura di scelta riportata di seguito per scegliere utensile, inserto, parametri di taglio e un metodo di lavorazione adatti.

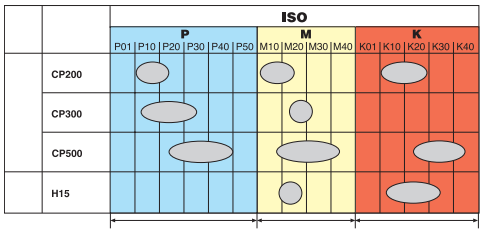
1. Scelta del metodo di lavorazione, pagina 10.



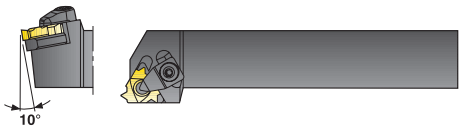
2. Scelta del tipo di inserto, pagina 11.



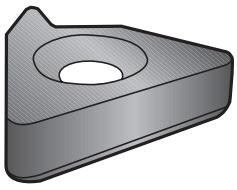
3. Scelta della qualità, pagina 12.



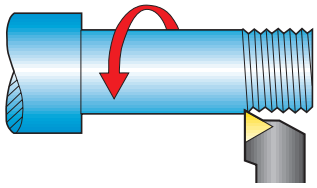
4. Scelta del portautensili, pagina 14.



5. Scelta del supporto, pagine 15-16.



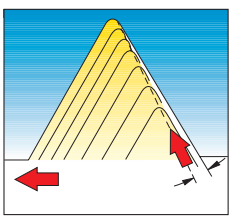
6. Scelta della velocità di taglio, pagine 17-21.



7. Scelta del numero di passate e delle profondità di avanzamento, pagine 22-33.

P_h	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0
a_p	3,82 *(0.150)*	3,52 *(0.139)*	3,19 *(0.126)*	2,87 *(0.113)*	2,53 *(0.100)*	2,23 *(0.088)*	1,92 *(0.076)*	1,60 *(0.063)*	1,25 *(0.049)*
1	0,46 *(0.018)*	0,43 *(0.017)*	0,41 *(0.016)*	0,37 *(0.015)*	0,34 *(0.013)*	0,34 *(0.013)*	0,28 *(0.011)*	0,27 *(0.011)*	0,24 *(0.009)*
2	0,43 *(0.017)*	0,40 *(0.016)*	0,39 *(0.015)*	0,34 *(0.013)*	0,32 *(0.013)*	0,31 *(0.012)*	0,26 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*
3	0,35 *(0.014)*	0,32 *(0.013)*	0,32 *(0.013)*	0,28 *(0.011)*	0,25 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*

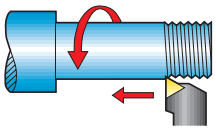
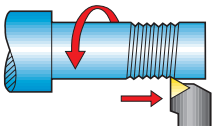
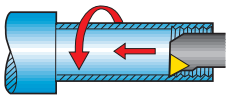
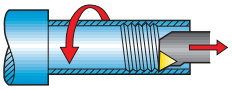
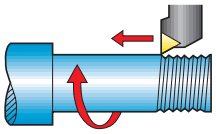
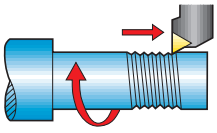
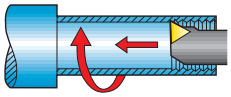
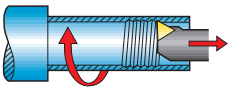
8. Scelta del metodo di avanzamento, pagina 34.



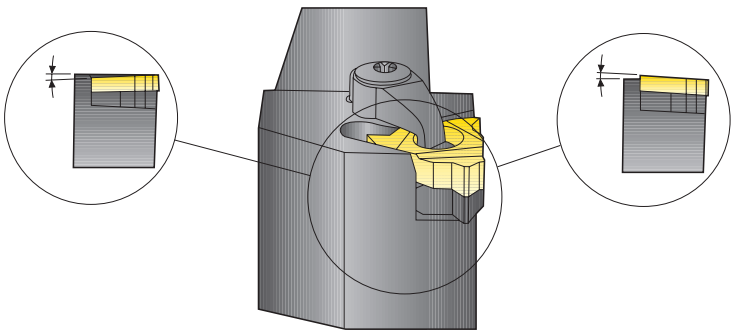
Metodi di lavorazione

Pezzo in lavoro
-Filettatura esterna o interna
-Filettatura destra o sinistra
Macchina
-Utensile destro o sinistro

Filettatura verso il mandrino		Filettatura verso la contropunta*	
Beneficio:	• Massima stabilità • Nella maggior parte dei casi, si possono usare i supporti standard, già montati sugli utensili	**Beneficio:**	• Ottimo deflusso truciolo nel caso di filettature interne
Nota:	• Nel caso di filettature interne, bisogna prevedere sufficiente spazio per permettere l'evacuazione del truciolo	**Nota:**	• Sono richieste buone caratteristiche di rigidità e bloccaggi robusti
		Filettatura interna:	• Usare solo utensili CNR/L

Filetto destro – Utensile destro		Filetto sinistro – Utensile destro	
	ER		ER
	NR		NR
Filetto sinistro – Utensile sinistro		**Filetto destro – Utensile sinistro**	
	EL		EL
	NL		NL

*Notare che il supporto deve essere modificato quando la filettatura è verso la contropunta.



Filettatura verso la contropunta

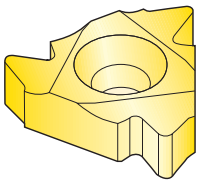
Filettatura verso il mandrino

Tipi di inserto

Per inserti a dente singolo, scegliere la versione a profilo completo o parziale

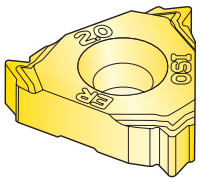
Inserto a dente singolo (Tipo S) Geometria A o Originale

Prima scelta per lavorazioni universali su differenti materiali. Basse forze di taglio.



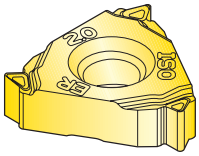
Inserto a dente singolo (Tipo S) Geometria A1

Prima scelta per impiego generico su acciaio.



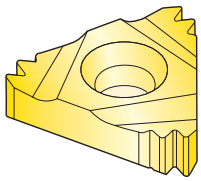
Inserto a dente singolo (Tipo S) Geometria A2

Prima scelta per impiego generico su acciaio inossidabile.



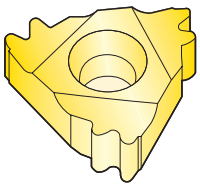
Inserto multi-dente (Tipo M)

Prima scelta per elevati lotti di produzione, consente di ottenere il profilo con un numero inferiore di passate.
Solo per incremento radiale.
2M = versione a 2 denti
3M = versione a 3 denti



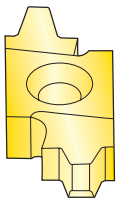
Inserto multi-dente (TWIN THREADER, TT)

Minor sforzo radiale rispetto al tipo M.
Gola di scarico inferiore rispetto al tipo M.
Solo per incremento radiale.
Usare il supporto per 2M.



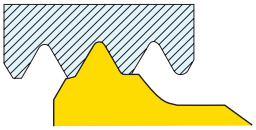
Inserto K (Tipo K)

Prima scelta per filettatura a passo largo.



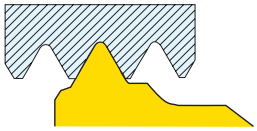
Profilo completo

Poiché il profilo è completo, non è necessario preparare il pezzo in lavorazione al diametro esatto, si può tenere un leggero sovrametallo per filettature esterne e un sottodimensionamento per filettature interne.
L'operazione di filettatura viene semplificata in quanto un solo utensile esegue tutta la lavorazione (non è necessaria la successiva sbavatura delle creste).



Profilo parziale

Copre un'ampia gamma di passi, semplificando così la gestione delle scorte. Richiede un diametro esatto del pezzo da filettare e quindi una tornitura accurata. Il raggio di punta del profilo è dimensionato in base al passo più piccolo previsto dalla gamma coperta dall'inserto.



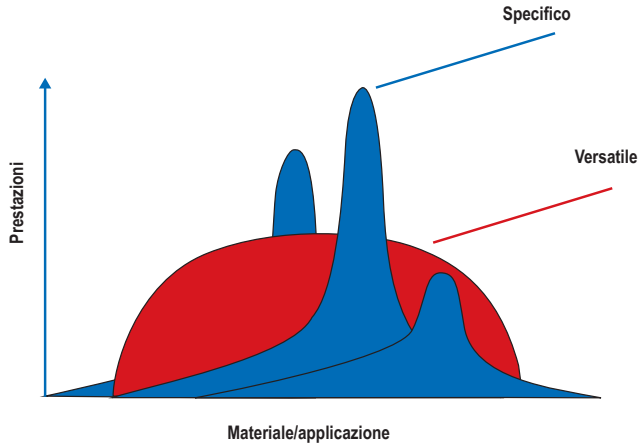
Qualità inserto

Filettatura per tornitura - Qualità dell'inserto

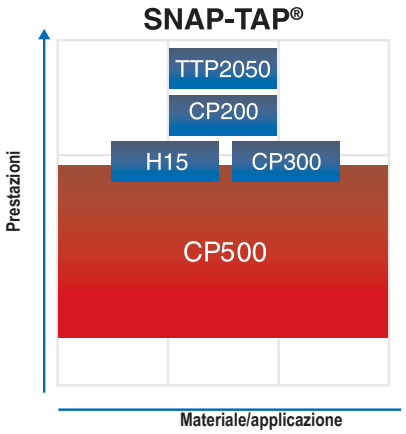
Le continue attività di ricerca e sviluppo di materiali e rivestimenti migliori e di geometrie ottimali contribuiscono a soddisfare le esigenze dei clienti.

La nostra strategia produttiva è fornire al mercato utensili di prima scelta versatili e soluzioni specifiche ottimizzate per la filettatura.

Qualità in base alla strategia

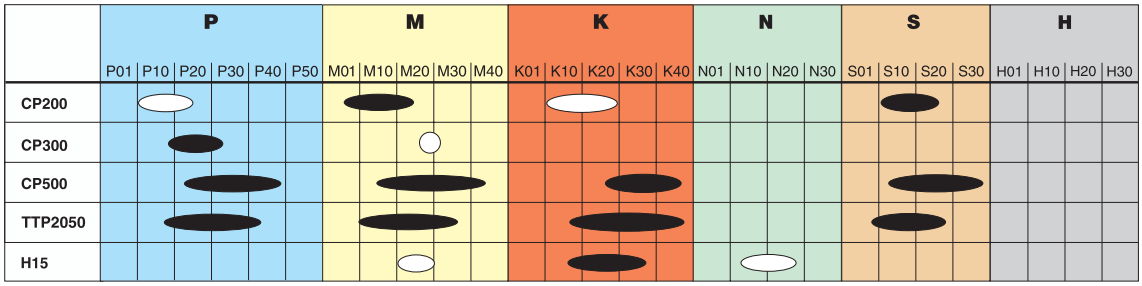


Qualità Snap-Tap®

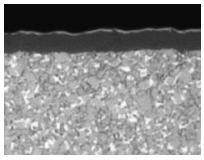
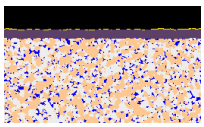
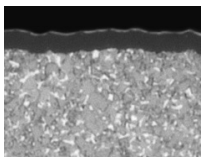
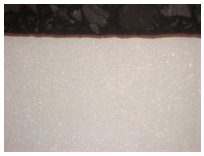


Qualità inserto

Qualità
Le aree nere del grafico indicano le principali aree applicative ISO di una qualità, mentre le aree bianche indicano applicazioni complementari.



Qualità rivestite in PVD

CP200		Prima scelta per acciai ad alta resistenza, acciai inossidabili martensitici, ghisa di bassa durezza, superleghe e leghe di titanio. Prima scelta per alte velocità di taglio. Substrato micrograna con tagliente affilato, con elevata resistenza alla deformazione plastica. (Ti,Al)N + TiN
CP300		Qualità resistente all'usura indicata prevalentemente per elevate velocità di taglio. Qualità di ottimizzazione per acciai ed acciai inossidabili. (Ti,Al)N + TiN
CP500		
TTP2050		Qualità micrograna resistente all'usura con prestazioni di picco, per acciaio, acciaio inossidabile e ghisa. Il rivestimento nano-laminato migliora la resistenza all'usura della qualità. (TiAl)N/(TiSi)N
TTP1550		Fine grain wear resistant grade for optimized performance in carbon steels. (TiAl)N

Qualità non rivestite

H15		Prima scelta per lavorazione di ghise medio-dure. Indicata anche per acciaio con durezza superiore a 350 HB. Qualità micrograna con eccellente resistenza all'usura e taglienti affilati.

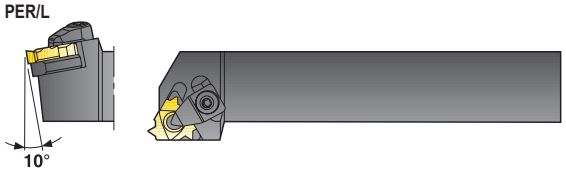
Portautensili

Usare la guida sotto indicata per scegliere il tipo di portautensile adatto.

Filettatura esterna

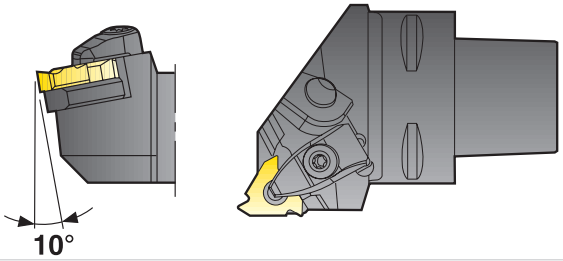
Prima scelta
Tipo C (staffa)
Tipo P (pin)

CER/L, PER/L



Dimensione dell'inserto
16, 20, 22, 26, 27
Con supporto

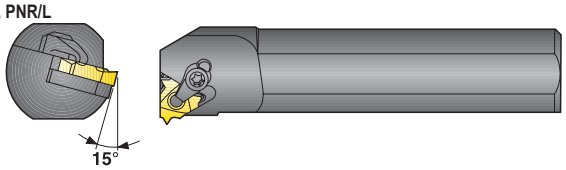
CX-CER/L



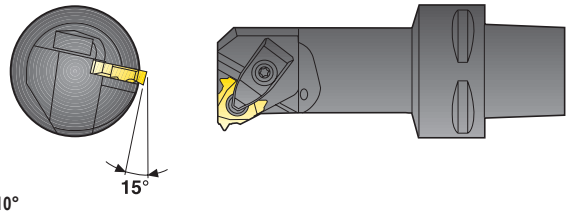
Filettatura interna

Prima scelta
Tipo C (staffa)
Tipo P (pin)

CNR/L, PNR/L



Cx-CNR/L

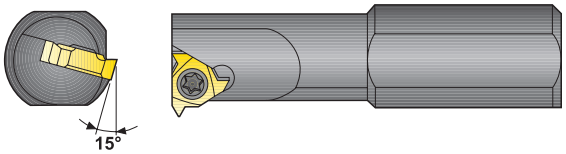


Dimensione dell'inserto
16, 20, 22, 26, 27
Con supporto

N.B. Sugli inserti da 27 mm questo angolo è di 10°

Per fori piccoli
Tipo S (vite)

SNR/L



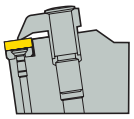
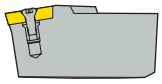
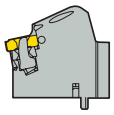
Dimensione dell'inserto
09,11,16, 22

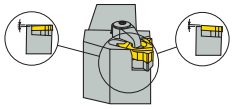
(Nessun supporto. Da utilizzare solo per la filettatura verso il mandrino)

Supporto

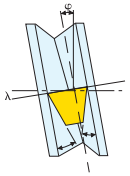
Supporti montati originariamente

Nella tabella seguente, sono riportati i supporti originali montati sugli utensili come primo equipaggiamento. Gli inserti sono adatti alla maggior parte delle operazioni di filettatura verso il mandrino.

		Staffa		Vite	Jetstream Tooling®
Portautensili		 Filettatura esterna ed interna		 Filettatura interna	 Filettatura esterna ed interna
Tipo di inserto		Inserto a dente singolo (tipo S)	Inserto a dente singolo (tipo K)	Inserto a dente singolo (tipo S)	Inserto a dente singolo (tipo S)
Supporto				No supporto (λ=2°)	
Dimensione dell'inserto	16	GX 16-1			GXA16-1
	20		KX 20-2		
	22	NX22-1			NXA22-1
	26		KX26-2		
	27	VX27-1			VXA27-1



L'angolo dell'elica può essere variato tra +5 e -2 semplicemente sostituendo il supporto. Gli stessi supporti sono adatti sia ad utensili destri che sinistri. L'altezza del centro rimane costante.

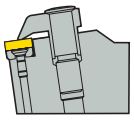
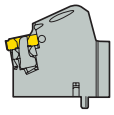


Per ottenere la corretta forma del filetto e un'usura uniforme sull'inserto, l'angolo dell'elica (λ) deve essere uguale all'angolo di inclinazione del filetto (φ).

È possibile calcolare anche l'angolo dell'elica (λ). Vedere la formula a pagina 35.

I portautensili SNR/L non dispongono di supporto intercambiabile e possono quindi essere utilizzati solo per filettature verso il mandrino. La tabella seguente mostra la gamma di supporti disponibili.

Gamma supporti inserto

		Staffa					Filettatura di tornitura Jetstream Tooling®		
Portautensili		 Filettatura esterna ed interna					 Filettatura esterna ed interna		
Tipo di inserto		Inserto multi-dente (Tipo M)	Inserto a dente singolo (tipo S)		Inserto a dente singolo (tipo K)		Inserto multi-dente (Tipo M)	Inserto a dente singolo (tipo S)	
Supporto		Filettatura verso il mandrino	Filettatura verso il mandrino	Filettatura verso la contropunta	Filettatura verso il mandrino	Filettatura verso la contropunta	Filettatura verso il mandrino	Filettatura verso il mandrino	Filettatura verso la contropunta
Dimensione dell'inserto	16	MX16-1	GX16-0, -1, -2, -3, -4	GX16-0 -99 -98			MXA16-1	GXA16-0, -1, -2, -3, -4	GXA16-0, -99, -98
	20				KX20-0, -1, -2, -3, -4, -5	KX20-0, -99			
	22	MX22-1	NX22-0, -1, -2, -3, -4	NX22-0 -99 -98			MXA22-1	NXA22-0, -1, -2, -3, -4	NXA22-0, -99, -98
	26				KX26-0, -1, -2, -3, -4, -5	KX26-0, -99			
	27	MX27-1	VX27-0, -1, -2, -3, -4	VX27-0 -99 -98			MXA27-1	VXA22-0, -1, -2, -3, -4	VXA27-0,-99,-98

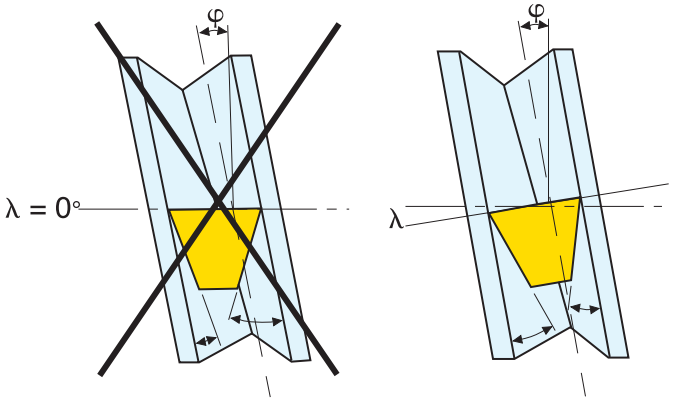
Supporto inserto

Scelta del supporto

Usare il grafico di seguito per scegliere il supporto adatto.
Il grafico indica l'ultima cifra del codice del supporto.
Esempio: GX16-1

Metodo di lavorazione

Per la filettatura in direzione del mandrino, utilizzare il lato destro del grafico.
Per la filettatura verso la contropunta, utilizzare il lato sinistro del grafico.



Colonna verticale - passo

Filettatura ad un principio, passo elica (Ph) = passo (P).
Filettatura a più principi, passo elica (Ph) = passo (P) x numero di principi.

Colonna orizzontale = diametro passo (D_2)

Diametro passo D_2 – filettatura verso la contropunta

| mm | 5 | 15 | 20 | 25 | 30 | 40 | 45 | 50 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 100 | 110 | 115 | 120 | 130 | 135 | 140 | 150 | 155 | 160 | 165 | 170 | 180 | 190 | 200 | 225 | 250 | 300 | | |

SMG – Parametri di taglio

Nella seconda versione della classificazione dei materiali nei gruppi materiale Seco è indicata una condizione standard del materiale assegnata come riferimento per consentire una facile ed univoca regolazione dei parametri di taglio per ogni materiale effettivo rispetto al materiale di riferimento. Come esempi, i materiali di riferimento EN C45E per il gruppo P4 e EN 42 CrMo 4 per entrambi i gruppi P5 e H5 mostrati nella tabella 1 dove sono indicate le proprietà dei materiali di riferimento. (Un estratto più approfondito è reperibile a pagina(e) 474-477

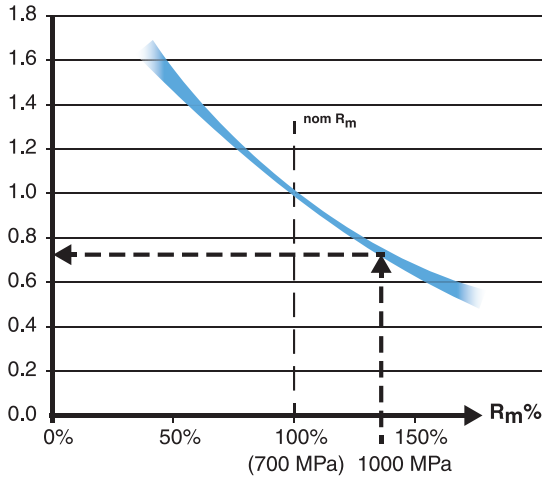
SMG	Descrizione	Proprietà	Riferimento
P4	Acciai da costruzione basso legati, 0,25% < C < 0,67% Acciai da bonifica basso legati	520 < R_m < 1200	C 45E R_m = 660 N/mm²
P5	Acciai da costruzione, 0,25% < C < 0,67% Acciai da bonifica	550 < R_m < 1200	42 CrMo 4 R_m = 700 N/mm²

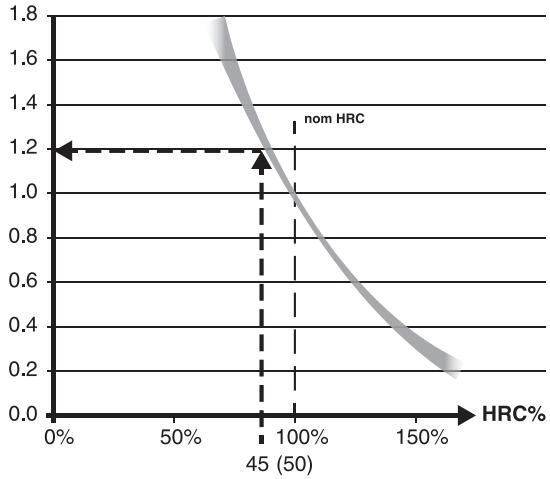
SMG	Descrizione	Proprietà	Riferimento
H5	Acciai bonificati	38 < HRC < 56	42 CrMo 4 50 HRC

Concentrandosi in particolare su EN 42 CrMo 4 allo stato ricotto il carico di rottura R_m può variare in genere tra Rm = 630 N/mm² e R_m = 780 N/mm², fornendo un riferimento per il gruppo materiale P5. Allo stato bonificato, il carico di rottura R_m può tipicamente essere tra R_m = 900 N/mm² e R_m = 1100 N/mm², appartenendo quindi ancora al gruppo P5. Tuttavia, se indurito sopra R_m = 1200 N/mm², appartiene invece al gruppo H5.

SMG	EN	W.-Nr	AFNOR	BS	UNI	JIS	AISI / ASTM	GOST	Condizione	R_{m_nom}	HRC_{nom}
P5	42 CrMo 4	1.1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Ricotto	700	
	42 CrMo 4	1.1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Bonifi cato	1000	
H5	42 CrMo 4	1.1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Bonifi cato		45
	42 CrMo 4	1.1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Bonifi cato		50

L'acciaio bonificato EN 42CrMo4 può essere utilizzato per mostrare quanto le condizioni del materiale dipendano dalla lavorabilità.
I grafici sottostanti indicano come sia possibile regolare le velocità consigliate su condizioni nominali del materiale per i valori relativi a R_m (diagramma di sinistra valido per ISO-P) e per il valore relativo HRC (valido per ISO-H).





Per illustrare ulteriormente come con la nuova versione dei gruppi materiale Seco P5 il valore di v_c nominale può essere calcolato in modo più accurato è necessario conoscere il valore del carico
di rottura R_m ed in questo caso utilizziamo EN 42 CrMo 4 bonificato a R_m = 1000 N/mm² secondo la tabella qui sopra (frecce blu in grassetto).
Supponiamo che troviamo che per il gruppo materiale P5 il valore di v_c nominale sia 280 m/min per un determinato prodotto e lavorazione.
Allora, il valore consigliato effettivo è v_c = 280 m/min x 0,75 = 210 m/min.
Di conseguenza, nel gruppo materiale H5 il valore di v_c nominale può essere regolato utilizzando EN 42 CrMo 4 temprato a 45 HRC (piccole frecce grigie).
Supponiamo che il valore di v_c nominale per il gruppo materiale H5 sia 50 m/min per un determinato prodotto e per una lavorazione con inserti in metallo duro rivestito; quindi il valore di v_c effettivo diventa 50 m/min x 1,2 = 60 m/min.
Per dettagli ulteriori sul materiale da lavorare, fare riferimento a pagina(e) 474-485 mentre per i parametri di taglio consigliati, vedere le relative pagine.
Per un utilizzo più pratico dei parametri di taglio consigliamo gli utensili applicabili riportati in My Pages – Suggest su www.secotools.com

Velocità di taglio misure metriche (*Pollici*)

SMG	v_c m/min *sf/min*				
	CP200	CP300	CP500	H15	TTP2050
P1	—	275	205	—	205
	—	*900*	*670*	—	*670*
P2	—	270	200	—	200
	—	*890*	*660*	—	*660*
P3	—	230	170	—	170
	—	*750*	*560*	—	*560*
P4	—	205	150	—	150
	—	*670*	*490*	—	*490*
P5	—	195	145	—	145
	—	*640*	*475*	—	*475*
P6	—	220	165	—	165
	—	*720*	*540*	—	*540*
P7	—	205	155	—	155
	—	*670*	*510*	—	*510*
P8	—	195	145	—	145
	—	*640*	*475*	—	*475*
P11	—	200	150	—	150
	—	*660*	*490*	—	*490*
P12	—	120	90	—	90
	—	*395*	*295*	—	*295*
M1	150	—	135	100	135
	490	—	*445*	*330*	*445*
M2	120	—	110	80	110
	395	—	*360*	*260*	*360*
M3	90	—	85	60	85
	295	—	*280*	*195*	*280*
M4	70	—	65	—	65
	230	—	*215*	—	*215*
M5	55	—	50	—	50
	180	—	*165*	—	*165*
K1	130	—	120	105	120
	425	—	*395*	*345*	*395*
K2	110	—	105	95	105
	360	—	*345*	*310*	*345*
K3	95	—	90	80	90
	310	—	*295*	*260*	*295*
K4	90	—	85	75	85
	295	—	*280*	*245*	*280*
K5	55	—	50	—	50
	180	—	*165*	—	*165*
K6	80	—	75	—	75
	260	—	*245*	—	*245*
K7	70	—	65	—	65
	230	—	*215*	—	*215*
N1	—	—	—	255	—
	—	—	—	*840*	—
N2	—	—	—	165	—
	—	—	—	*540*	—
N3	—	—	—	110	—
	—	—	—	*360*	—
N11	—	—	100	150	100
	—	—	*330*	*490*	*330*
S1	20	—	20	—	20
	65	—	*65*	—	*65*
S2	15	—	15	—	15
	49	—	*49*	—	*49*
S3	15	—	15	—	15
	49	—	*49*	—	*49*
S11	45	—	39	—	39
	150	—	*130*	—	*130*
S12	35	—	30	—	30
	115	—	*100*	—	*100*
S13	27	—	23	—	23
	90	—	*75*	—	*75*

Usare le tabelle dei gruppi materiale Seco per classificare il materiale da lavorare.Usare la tabella seguente per la scelta della velocità di taglio. Le velocità di taglio (v_c) della tabella sono quelle raccomandate come valori di partenza. È consigliabile ottimizzare i parametri di taglio in funzione della macchina, del materiale in lavoro e del piazzamento. Per ogni qualità le gamme consigliate sono CP200, CP300,CP500, TTP2050 e H15 +/-15%

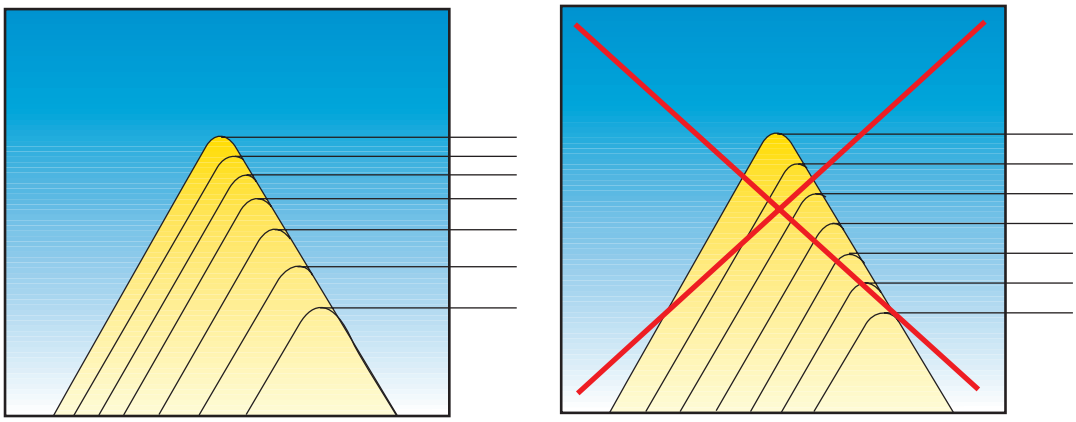
SMG=gruppo materiale Seco
v_c = velocità di taglio (m/min)

Nelle operazioni di filettatura esiste una relazione fissa tra la velocità di rotazione e avanzamento. Verificare che la velocità di taglio prescelta non corrisponda ad una velocità di avanzamento troppo elevata.

Numero di passate e profondità di avanzamento

Una filettatura non può essere realizzata in una sola passata a causa del tagliente relativamente fragile. La profondità di taglio totale deve essere divisa in più passate. Queste passate devono avere forze di taglio simili (aree per la formazione del truciolo uguali), vedere le figure.

Utilizzare le tabelle alle pagine 22-33 per trovare raccomandazioni sul numero di passate e le profondità di avanzamento. Le tabelle forniscono raccomandazioni di base e sono applicabili a tutte le geometrie: Originale, A, A1 e A2.



- Le passate date sono basate su un buon controllo delle tolleranze OD/ID (diametri esterno ed interno) per il profilo selezionato.
- In caso di rottura dell'inserto, aumentare il numero di passate.
- La profondità di avanzamento non deve essere inferiore a 0,05 mm (0,0020")/passata.
- Su acciaio inossidabile, la profondità di avanzamento per passata deve essere superiore a 0,08 mm (0,0031").
- Le raccomandazioni possono essere utilizzate anche per gli inserti con profilo parziale. Il numero di passate deve quindi essere aumentato nella maggior parte dei casi.
- Il raggio di punta dell'inserto per filettatura è relativamente piccolo e può essere danneggiato se caricato eccessivamente.

Velocità di taglio – MDT misure metriche (*Pollici*)

SMG	v_c m/min *sf/min*
	CP500
P1	155 *510*
P2	150 *490*
P3	130 *425*
P4	115 *375*
P5	110 *360*
P6	125 *410*
P7	115 *375*
P8	110 *360*
P11	115 *375*
P12	65 *215*
M1	135 *445*
M2	110 *360*
M3	85 *280*
M4	65 *215*
M5	50 *165*
K1	130 *425*
K2	110 *360*
K3	95 *310*
K4	90 *295*
K5	55 *180*
K6	80 *260*
K7	70 *230*
N1	— —
N2	— —
N3	— —
N11	85 *280*
S1	21 *70*
S2	17 *55*
S3	15 *49*
S11	— —
S12	— —
S13	— —

Usare le tabelle dei gruppi materiale Seco per classificare il materiale da lavorare.
Usare la tabella seguente per la scelta della velocità di taglio.
SMG = gruppo materiale Seco
v_c = m/min
Le velocità di taglio (v_c) della tabella sono quelle raccomandate come valori di partenza.
È consigliabile ottimizzare i parametri di taglio in funzione della macchina, del materiale in lavoro e del piazzamento. Per CP500 l'intervallo consigliato è +/-15%

Velocità di taglio – Mini Shaft misure metriche (*Pollici*)

SMG	v_c m/min *sf/min*
	CP500
P1	155 *510*
P2	150 *490*
P3	130 *425*
P4	115 *375*
P5	110 *360*
P6	125 *410*
P7	115 *375*
P8	110 *360*
P11	115 *375*
P12	65 *215*
M1	80 *260*
M2	65 *215*
M3	50 *165*
M4	37 *120*
M5	31 *100*
K1	150 *490*
K2	130 *425*
K3	110 *360*
K4	105 *345*
K5	65 *215*
K6	95 *310*
K7	80 *260*
N1	— —
N2	— —
N3	— —
N11	95 *310*
S1	19 *60*
S2	15 *49*
S3	13 *43*
S11	— —
S12	— —
S13	— —

Usare le tabelle dei gruppi materiale Seco per classificare il materiale da lavorare.
Usare la tabella seguente per la scelta della velocità di taglio.
SMG = gruppo materiale Seco
v_c = m/min
Le velocità di taglio (v_c) della tabella sono quelle raccomandate come valori di partenza.
È consigliabile ottimizzare i parametri di taglio in funzione della macchina, del materiale in lavoro e del piazzamento. Per CP500 l'intervallo consigliato è +/-15%

Numero di passate e profondità per passata

Filettature ISO-metriche esterne, misure metriche (*Pollici*)

P_h	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.80	0.75	0.50
a_p	3,82 *(0.150)*	3,52 *(0.139)*	3,19 *(0.126)*	2,87 *(0.113)*	2,53 *(0.100)*	2,23 *(0.088)*	1,92 *(0.076)*	1,60 *(0.063)*	1,25 *(0.049)*	1,13 *(0.044)*	0,93 *(0.037)*	0,81 *(0.032)*	0,65 *(0.026)*	0,52 *(0.020)*	0,48 *(0.019)*	0,33 *(0.013)*
1	0,46 *(0.018)*	0,43 *(0.017)*	0,41 *(0.016)*	0,37 *(0.015)*	0,34 *(0.013)*	0,34 *(0.013)*	0,28 *(0.011)*	0,27 *(0.011)*	0,24 *(0.009)*	0,22 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,11 *(0.004)*
2	0,43 *(0.017)*	0,40 *(0.016)*	0,39 *(0.015)*	0,34 *(0.013)*	0,32 *(0.013)*	0,31 *(0.012)*	0,26 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*	0,20 *(0.008)*	0,20 *(0.008)*	0,17 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,09 *(0.004)*
3	0,35 *(0.014)*	0,32 *(0.013)*	0,32 *(0.013)*	0,28 *(0.011)*	0,25 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,07 *(0.003)*
4	0,30 *(0.012)*	0,28 *(0.011)*	0,27 *(0.011)*	0,24 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*	0,11 *(0.004)*	0,08 *(0.003)*	0,07 *(0.003)*	0,06 *(0.002)*
5	0,29 *(0.011)*	0,26 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*	0,20 *(0.008)*	0,18 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–
6	0,26 *(0.010)*	0,24 *(0.009)*	0,24 *(0.009)*	0,22 *(0.009)*	0,18 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,12 *(0.005)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–
7	0,24 *(0.009)*	0,21 *(0.008)*	0,22 *(0.009)*	0,20 *(0.008)*	0,17 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–
8	0,23 *(0.009)*	0,20 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–
9	0,22 *(0.009)*	0,19 *(0.007)*	0,19 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	–	–	–	–	–	–	–	–
10	0,19 *(0.007)*	0,18 *(0.007)*	0,18 *(0.007)*	0,16 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–
11	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–
12	0,16 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–
13	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–
14	0,13 *(0.005)*	0,13 *(0.005)*	0,10 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–
15	0,13 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature ISO-metriche interne, misure metriche (*Pollici*)

P_h	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.80	0.75	0.50
a_p	3,54 *(0.139)*	3,25 *(0.128)*	2,96 *(0.117)*	2,65 *(0.104)*	2,33 *(0.092)*	2,05 *(0.081)*	1,78 *(0.070)*	1,48 *(0.058)*	1,17 *(0.046)*	1,05 *(0.041)*	0,85 *(0.033)*	0,75 *(0.030)*	0,60 *(0.024)*	0,49 *(0.019)*	0,46 *(0.018)*	0,31 *(0.012)*
1	0,46 *(0.018)*	0,43 *(0.017)*	0,42 *(0.017)*	0,37 *(0.015)*	0,34 *(0.013)*	0,32 *(0.013)*	0,28 *(0.011)*	0,26 *(0.010)*	0,23 *(0.009)*	0,22 *(0.009)*	0,20 *(0.008)*	0,17 *(0.007)*	0,17 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,10 *(0.004)*
2	0,43 *(0.017)*	0,40 *(0.016)*	0,40 *(0.016)*	0,34 *(0.013)*	0,31 *(0.012)*	0,30 *(0.012)*	0,26 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,08 *(0.003)*
3	0,35 *(0.014)*	0,33 *(0.013)*	0,32 *(0.013)*	0,28 *(0.011)*	0,24 *(0.009)*	0,24 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*	0,11 *(0.004)*	0,10 *(0.004)*	0,07 *(0.003)*
4	0,30 *(0.012)*	0,26 *(0.010)*	0,26 *(0.010)*	0,23 *(0.009)*	0,21 *(0.008)*	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,10 *(0.004)*	0,09 *(0.004)*	0,07 *(0.003)*	0,07 *(0.003)*	0,06 *(0.002)*
5	0,26 *(0.010)*	0,22 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,11 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	–	–	–
6	0,22 *(0.009)*	0,20 *(0.008)*	0,20 *(0.008)*	0,19 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–
7	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–
8	0,19 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–
9	0,18 *(0.007)*	0,16 *(0.006)*	0,16 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–
10	0,16 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–
11	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,09 *(0.004)*	–	–	–	–	–	–	–	–	–
12	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–
13	0,14 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–
14	0,13 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–
15	0,12 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature Whitworth esterne/interne, misure metriche (*Pollici*)

TPI	4.0	4.5	5	6	7	8	9	10	11	12	14	16	18	19	20	26	28
a_p	4,29 *(0.169)*	3,82 *(0.150)*	3,44 *(0.135)*	2,90 *(0.114)*	2,50 *(0.098)*	2,17 *(0.085)*	1,93 *(0.076)*	1,76 *(0.069)*	1,58 *(0.062)*	1,45 *(0.057)*	1,20 *(0.047)*	1,13 *(0.044)*	1,01 *(0.040)*	0,96 *(0.038)*	0,92 *(0.036)*	0,72 *(0.028)*	0,69 *(0.027)*
1	0,49 *(0.019)*	0,46 *(0.018)*	0,45 *(0.018)*	0,38 *(0.015)*	0,37 *(0.015)*	0,32 *(0.013)*	0,30 *(0.012)*	0,29 *(0.069)*	0,28 *(0.011)*	0,28 *(0.011)*	0,24 *(0.009)*	0,24 *(0.009)*	0,23 *(0.009)*	0,22 *(0.0090)*	0,21 *(0.008)*	0,19 *(0.007)*	0,18 *(0.007)*
2	0,46 *(0.018)*	0,43 *(0.017)*	0,43 *(0.017)*	0,36 *(0.014)*	0,35 *(0.014)*	0,30 *(0.012)*	0,28 *(0.011)*	0,27 *(0.011)*	0,26 *(0.010)*	0,26 *(0.010)*	0,22 *(0.009)*	0,22 *(0.009)*	0,22 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*
3	0,38 *(0.015)*	0,38 *(0.015)*	0,38 *(0.015)*	0,30 *(0.012)*	0,29 *(0.011)*	0,24 *(0.009)*	0,23 *(0.009)*	0,22 *(0.009)*	0,22 *(0.009)*	0,22 *(0.009)*	0,18 *(0.007)*	0,19 *(0.007)*	0,19 *(0.007)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*
4	0,36 *(0.014)*	0,33 *(0.013)*	0,32 *(0.013)*	0,26 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,19 *(0.007)*	0,19 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,16 *(0.006)*	0,16 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*
5	0,34 *(0.013)*	0,29 *(0.011)*	0,28 *(0.011)*	0,22 *(0.009)*	0,22 *(0.009*	0,19 *(0.007)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,16 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*
6	0,31 *(0.012)*	0,25 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,19 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–
7	0,29 *(0.011)*	0,24 *(0.009)*	0,22 *(0.009)*	0,19 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,09 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–
8	0,27 *(0.011)*	0,22 *(0.009)*	0,20 *(0.008)*	0,17 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–
9	0,24 *(0.009)*	0,20 *(0.008)*	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–
10	0,22 *(0.009)*	0,18 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–
11	0,20 *(0.008)*	0,17 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–
12	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–
13	0,17 *(0.007)*	0,15 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–
14	0,15 *(0.006)*	0,14 *(0.006)*	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–
15	0,12 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature UN esterne, misure metriche (*Pollici*)

TPI	4.0	4.5	5	6	7	8	9	10	11	12	13	14	16	18	20	24	28	32
a_p	4,07 *(0.160)*	3,62 *(0.143)*	3,29 *(0.130)*	2,71 *(0.107)*	2,33 *(0.092)*	2,08 *(0.082)*	1,84 *(0.072)*	1,66 *(0.065)*	1,52 *(0.060)*	1,39 *(0.055)*	1,29 *(0.051)*	1,19 *(0.047)*	1,05 *(0.041)*	0,94 *(0.037)*	0,84 *(0.033)*	0,70 *(0.028)*	0,60 *(0.024)*	0,53 *(0.021)*
1	0,47 *(0.019)*	0,45 *(0.018)*	0,43 *(0.017)*	0,36 *(0.014)*	0,35 *(0.014)*	0,30 *(0.012)*	0,28 *(0.011)*	0,27 *(0.011)*	0,27 *(0.011)*	0,27 *(0.011)*	0,25 *(0.010)*	0,23 *(0.009)*	0,22 *(0.009)*	0,23 *(0.009)*	0,20 *(0.008)*	0,19 *(0.007)*	0,17 *(0.007)*	0,17 *(0.007)*
2	0,44 *(0.017)*	0,41 *(0.016)*	0,40 *(0.016)*	0,34 *(0.013)*	0,33 *(0.013)*	0,28 *(0.011)*	0,26 *(0.010)*	0,26 *(0.010)*	0,25 *(0.010)*	0,26 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,21 *(0.008)*	0,19 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*
3	0,40 *(0.016)*	0,39 *(0.015)*	0,36 *(0.014)*	0,27 *(0.011)*	0,26 *(0.010)*	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,20 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*	0,13 *(0.005)*
4	0,36 *(0.014)*	0,31 *(0.012)*	0,31 *(0.012)*	0,23 *(0.009)*	0,22 *(0.009)*	0,21 *(0.008)*	0,20 *(0.008)*	0,17 *(0.007)*	0,19 *(0.007)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,09 *(0.004)*	0,08 *(0.003)*
5	0,32 *(0.013)*	0,26 *(0.010)*	0,26 *(0.010)*	0,22 *(0.009)*	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–
6	0,27 *(0.011)*	0,23 *(0.009)*	0,23 *(0.009)*	0,20 *(0.008)*	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–
7	0,25 *(0.010)*	0,21 *(0.008)*	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–
8	0,23 *(0.009)*	0,20 *(0.008)*	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–
9	0,22 *(0.009)*	0,18 *(0.007)*	0,19 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–
10	0,21 *(0.008)*	0,17 *(0.007)*	0,18 *(0.007)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–
11	0,19 *(0.007)*	0,16 *(0.006)*	0,17 *(0.007)*	0,13 *(0.005)*	0,11 *(0.004)*	0,11 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–
12	0,18 *(0.007)*	0,15 *(0.006)*	0,15 *(0.006)*	0,12 *(0.005)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–	–
13	0,16 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	0,15 *(0.006)*	0,14 *(0.006)*	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	0,12 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature UN interne, misure metriche (*Pollici*)

TPI	4	4.5	5	6	7	8	9	10	11	12	13	14	16	18	20	24	28	32
a_p	3,74 *(0.147)*	3,32 *(0.131)*	2,99 *(0.118)*	2,46 *(0.097)*	2,13 *(0.084)*	1,88 *(0.074)*	1,66 *(0.065)*	1,49 *(0.059)*	1,36 *(0.054)*	1,25 *(0.049)*	1,14 *(0.045)*	1,06 *(0.042)*	0,93 *(0.037)*	0,84 *(0.033)*	0,76 *(0.030)*	0,64 *(0.025)*	0,56 *(0.022)*	0,49 *(0.019)*
1	0,44 *(0.017)*	0,41 *(0.016)*	0,42 *(0.017)*	0,35 *(0.014)*	0,34 *(0.013)*	0,30 *(0.012)*	0,28 *(0.011)*	0,27 *(0.011)*	0,27 *(0.011)*	0,27 *(0.011)*	0,25 *(0.010)*	0,23 *(0.009)*	0,22 *(0.009)*	0,23 *(0.009)*	0,20 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,17 *(0.007)*
2	0,41 *(0.016)*	0,38 *(0.015)*	0,38 *(0.015)*	0,33 *(0.013)*	0,32 *(0.013)*	0,28 *(0.011)*	0,26 *(0.010)*	0,25 *(0.010)*	0,23 *(0.009)*	0,23 *(0.009)*	0,20 *(0.008)*	0,18 *(0.007)*	0,18 *(0.007)*	0,17 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006*
3	0,39 *(0.015)*	0,34 *(0.013)*	0,33 *(0.013)*	0,25 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*	0,19 *(0.007)*	0,18 *(0.007)*	0,18 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,09 *(0.004)*	0,10 *(0.004)*
4	0,33 *(0.013)*	0,28 *(0.011)*	0,27 *(0.011)*	0,21 *(0.008)*	0,21 *(0.008)*	0,18 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*
5	0,28 *(0.011)*	0,23 *(0.009)*	0,23 *(0.009)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,10 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–
6	0,24 *(0.009)*	0,20 *(0.008)*	0,20 *(0.008)*	0,16 *(0.006)*	0,15 *(0.006)*	0,13 *(0.005)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,11 *(0.004)*	0,11 *(0.004)*	0,10 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–
7	0,22 *(0.009)*	0,19 *(0.007)*	0,18 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,11 *(0.004)*	0,10 *(0.004)*	0,10 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–
8	0,21 *(0.008)*	0,18 *(0.007)*	0,17 *(0.007)*	0,14 *(0.006)*	0,13 *(0.005)*	0,11 *(0.004)*	0,11 *(0.004)*	0,10 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–
9	0,20 *(0.008)*	0,17 *(0.007)*	0,16 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–
10	0,18 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,12 *(0.005)*	0,12 *(0.005)*	0,10 *(0.004)*	0,09 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–
11	0,17 *(0.007)*	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–
12	0,16 *(0.006)*	0,14 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*	0,08 *(0.003)*	0,08 *(0.003)*	–	–	–	–	–	–	–	–	–	–	–	–
13	0,15 *(0.006)*	0,14 *(0.006)*	0,12 *(0.005)*	0,11 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	0,14 *(0.006)*	0,13 *(0.005)*	0,10 *(0.004)*	*0,10 (0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	0,12 *(0.005)*	0,12 *(0.005)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	0,10 *(0.004)*	0,10 *(0.004)*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Inserti multitagliente esterni, misure metriche (*Pollici*)

	ISO In mm						UN					Whitworth	NPT		
Tipo	**3M**	**2M**	**3M**	**2M**	**3M**	**2M**	**2M**	**3M**	**2M**	**3M**	**2M**	**2M**	**2M**	**3M**	**2M**
P_h mm	1,0	1,5	1,5	2,0	2,0	3,0	–	–	–	–	–	–	–	–	–
TPI	–	–	–	–	–	–	16	16	12	12	8	11	11,5	11,5	8
a_p mm (*inch*)	0,65 *(0.026)*	0,93 *(0.037)*	0,93 *(0.037)*	1,25 *(0.049)*	1,25 *(0.049)*	1,92 *(0.076)*	1,05 *(0.041)*	1,05 *(0.041)*	1,39 *(0.055)*	1,39 *(0.055)*	2,08 *(0.082)*	1,58 *(0.062)*	1,76 *(0.069)*	1,76 *(0.069)*	2,54 *(0.100)*
Passata 1 mm (*inch*)	0,36 *(0.026)*	0,43 *(0.017)*	0,56 *(0.022)*	0,57 *(0.022)*	0,75 *(0.030)*	0,65 *(0.026)*	0,49 *(0.019)*	0,64 *(0.025)*	0,64 *(0.025)*	0,84 *(0.033)*	0,70 *(0.028)*	0,73 *(0.029)*	0,59 *(0.023)*	0,81 *(0.032)*	0,88 *(0.035)*
2	0,29 *(0.011)*	0,30 *(0.012)*	0,37 *(0.015)*	0,40 *(0.016)*	0,50 *(0.020)*	0,53 *(0.021)*	0,33 *(0.013)*	0,41 *(0.016)*	0,44 *(0.017)*	0,55 *(0.022)*	0,57 *(0.022)*	0,50 *(0.020)*	0,50 *(0.020)*	0,57 *(0.022)*	0,64 *(0.025)*
3	–	0,20 *(0.008)*	–	0,28 *(0.011)*	–	0,42 *(0.017)*	0,23 *(0.009)*	–	0,31 *(0.012)*	–	0,46 *(0.018)*	0,35 *(0.014)*	0,37 *(0.015)*	0,38 *(0.015)*	0,57 *(0.022)*
4	–	–	–	–	–	0,32 *(0.013)*	–	–	–	–	0,35 *(0.014)*	–	0,30 *(0.012)*	–	0,45 *(0.018)*

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Inserti multitagliente interni, misure metriche (*Pollici*)

	ISO In mm						UN					Whitworth	NPT		
Tipo	**3M**	**2M**	**3M**	**2M**	**3M**	**2M**	**2M**	**3M**	**2M**	**3M**	**2M**	**2M**	**2M**	**3M**	**2M**
P_h mm	1,0	1,5	1,5	2,0	2,0	3,0	–	–	–	–	–	–	–	–	–
TPI	–	–	–	–	–	–	16	16	12	12	8	11	11,5	11,5	8
a_p mm (*inch*)	0,60 *(0.024)*	0,85 *(0.033)*	0,85 *(0.033)*	1,17 *(0.046)*	1,17 *(0.046)*	1,78 *(0.070)*	0,93 *(0.037)*	0,93 *(0.037)*	1,25 *(0.049)*	1,25 *(0.049)*	1,88 *(0.074)*	1,58 *(0.062)*	1,76 *(0.069)*	1,76 *(0.069)*	2,54 *(0.100)*
Passata 1 mm (*inch*)	0,33 *(0.013)*	0,38 *(0.015)*	0,51 *(0.020)*	0,51 *(0.020)*	0,70 *(0.028)*	0,55 *(0.022)*	0,42 *(0.017)*	0,56 *(0.022)*	0,56 *(0.022)*	0,75 *(0.030)*	0,58 *(0.023)*	0,73 *(0.029)*	0,59 *(0.023)*	0,81 *(0.032)*	0,88 *(0.035)*
2	0,27 *(0.011)*	0,27 *(0.011)*	0,34 *(0.013)*	0,38 *(0.015)*	0,47 *(0.019)*	0,49 *(0.019)*	0,30 *(0.017)*	0,37 *(0.015)*	0,40 *(0.016)*	0,50 *(0.020)*	0,51 *(0.020)*	0,50 *(0.020)*	0,50 *(0.020)*	0,57 *(0.022)*	0,64 *(0.025)*
3	–	0,20 *(0.008)*	–	0,28 *(0.011)*	–	0,42 *(0.017)*	0,21 *(0.008)*	–	0,29 *(0.011)*	–	0,44 *(0.017)*	0,35 *(0.014)*	0,37 *(0.015)*	0,38 *(0.015)*	0,57 *(0.022)*
4	–	–	–	–	–	0,32 *(0.013)*	–	–	–	–	0,35 *(0.014)*	–	0,30 *(0.012)*	–	0,45 *(0.018)*

Filettature NPT esterne/interne, misure metriche (*Pollici*)

TPI	**8**	**11,5**	**14**	**18**	**27**
a_p	2,54 *(0.100)*	1,76 *(0.069)*	1,45 *(0.057)*	1,12 *(0.044)*	0,75 *(0.030)*
1	0,28 *(0.011)*	0,25 *(0.010)*	0,24 *(0.009)*	0,22 *(0.009)*	0,19 *(0.007)*
2	0,25 *(0.010)*	0,22 *(0.009*	0,22 *(0.009)*	0,18 *(0.007)*	0,15 *(0.006)*
3	0,22 *(0.009)*	0,18 *(0.007)*	0,17 *(0.007)*	0,15 *(0.006)*	0,13 *(0.005)*
4	0,19 *(0.007)*	0,16 *(0.006)*	0,15 *(0.006)*	0,14 *(0.006)*	0,11 *(0.004)*
5	0,18 *(0.007)*	0,16 *(0.006)*	0,14 *(0.006)*	0,13 *(0.005)*	0,09 *(0.004)*
6	0,18 *(0.007)*	0,14 *(0.006)*	0,13 *(0.005)*	0,12 *(0.005)*	0,08 *(0.003)*
7	0,17 *(0.007)*	0,14 *(0.006)*	0,12 *(0.005)*	0,10 *(0.004)*	–
8	0,17 *(0.007)*	0,12 *(0.005)*	0,10 *(0.004)*	0,08 *(0.003)*	–
9	0,16 *(0.006)*	0,12 *(0.005)*	0,10 *(0.004)*	–	–
10	0,16 *(0.006)*	0,10 *(0.004)*	0,08 *(0.003)*	–	–
11	0,14 *(0.006)*	0,09 *(0.004)*	–	–	–
12	0,13 *(0.005)*	0,08 *(0.003)*	–	–	–
13	0,12 *(0.005)*	–	–	–	–
14	0,11 *(0.004)*	–	–	–	–
15	0,08 *(0.003)*	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature tonde esterne DIN 405, misure metriche (*Pollici*)

TPI	4	6	8	10
a_p	3,43 *(0.135)*	2,23 *(0.088)*	1,73 *(0.068)*	1,40 *(0.055)*
1	0,44 *(0.017)*	0,33 *(0.013)*	0,29 *(0.011)*	0,26 *(0.010)*
2	0,40 *(0.016)*	0,29 *(0.011)*	0,26 *(0.010)*	0,25 *(0.010)*
3	0,34 *(0.013)*	0,25 *(0.010)*	0,21 *(0.008)*	0,23 *(0.009)*
4	0,32 *(0.013)*	0,23 *(0.009)*	0,19 *(0.007)*	0,20 *(0.008)*
5	0,28 *(0.011)*	0,20 *(0.008)*	0,18 *(0.007)*	0,16 *(0.006)*
6	0,26 *(0.010)*	0,18 *(0.007)*	0,16 *(0.006)*	0,12 *(0.005)*
7	0,24 *(0.009)*	0,16 *(0.006)*	0,14 *(0.006)*	0,10 *(0.004)*
8	0,22 *(0.009)*	0,15 *(0.006)*	0,12 *(0.005)*	0,08 *(0.003)*
9	0,20 *(0.008)*	0,14 *(0.006)*	0,10 *(0.004)*	–
10	0,19 *(0.007)*	0,12 *(0.005)*	0,08 *(0.003)*	–
11	0,17 *(0.007)*	0,10 *(0.004)*	–	–
12	0,15 *(0.006)*	0,08 *(0.003)*	–	–
13	0,12 *(0.005)*	–	–	–
14	0,10 *(0.004)*	–	–	–

Filettature a profilo tondo interne DIN 405, misure metriche (*Pollici*)

TPI	4	6	8	10
a_p	3,59 *(0.141)*	2,44 *(0.096)*	1,66 *(0.065)*	1,49 *(0.059)*
1	0,46 *(0.018)*	0,38 *(0.015)*	0,26 *(0.010)*	027 *(0.011)*
2	0,43 *(0.017)*	0,34 *(0.013)*	0,22 *(0.009)*	0,26 *(0.010)*
3	0,40 *(0.016)*	0,30 *(0.012)*	0,21 *(0.009)*	0,25 *(0.010)*
4	0,35 *(0.014)*	0,25 *(0.010)*	0,19 *(0.007)*	0,22 *(0.009)*
5	0,30 *(0.012)*	0,21 *(0.008)*	0,18 *(0.007)*	0,18 *(0.007)*
6	0,26 *(0.010)*	0,19 *(0.007)*	0,16 *(0.006)*	0,13 *(0.005)*
7	0,24 *(0.009)*	0,17 *(0.007)*	0,14 *(0.006)*	0,10 *(0.004)*
8	0,22 *(0.009)*	0,16 *(0.006)*	0,12 *(0.005)*	0,08 *(0.003)*
9	0,20 *(0.008)*	0,14 *(0.006)*	0,10 *(0.004)*	–
10	0,19 *(0.007)*	0,12 *(0.005)*	0,08 *(0.003)*	–
11	0,17 *(0.007)*	0,10 *(0.004)*	–	–
12	0,15 *(0.006)*	0,08 *(0.003)*	–	–
13	0,12 *(0.005)*	–	–	–
14	0,10 *(0.004)*	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature TR esterne, misure metriche

P_h	14.0	12.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.5
a_p	8,2	6,72	5,7	5,16	4,68	4,17	3,66	2,89	2,38	1,83	1,33	0,97
1	0,40	0,38	0,38	0,38	0,37	0,37	0,37	0,34	0,31	0,27	0,25	0,23
2	0,37	0,36	0,36	0,35	0,35	0,34	0,35	0,33	0,28	0,25	0,24	0,22
3	0,36	0,34	0,34	0,34	0,34	0,33	0,32	0,27	0,24	0,21	0,20	0,18
4	0,36	0,34	0,34	0,33	0,33	0,31	0,29	0,25	0,20	0,17	0,17	0,14
5	0,35	0,32	0,32	0,31	0,31	0,29	0,27	0,23	0,19	0,15	0,14	0,12
6	0,35	0,32	0,32	0,30	0,29	0,26	0,25	0,21	0,18	0,13	0,13	0,08
7	0,34	0,30	0,31	0,29	0,28	0,26	0,23	0,20	0,16	0,13	0,11	–
8	0,34	0,30	0,29	0,28	0,27	0,26	0,22	0,20	0,15	0,12	0,09	–
9	0,34	0,30	0,28	0,26	0,25	0,24	0,22	0,18	0,15	0,12	–	–
10	0,33	0,29	0,27	0,25	0,24	0,23	0,20	0,16	0,15	0,10	–	–
11	0,33	0,29	0,25	0,24	0,23	0,22	0,18	0,15	0,14	0,10	–	–
12	0,32	0,29	0,24	0,23	0,21	0,22	0,17	0,14	0,13	0,08	–	–
13	0,32	0,28	0,23	0,22	0,20	0,20	0,17	0,13	0,10	–	–	–
14	0,31	0,27	0,22	0,21	0,19	0,19	0,16	0,10	–	–	–	–
15	0,31	0,25	0,22	0,21	0,19	0,17	0,14	–	–	–	–	–
16	0,30	0,25	0,20	0,19	0,18	0,16	0,12	–	–	–	–	–
17	0,30	0,24	0,19	0,18	0,17	0,12	–	–	–	–	–	–
18	0,29	0,22	0,18	0,16	0,15	–	–	–	–	–	–	–
19	0,28	0,20	0,17	0,15	0,13	–	–	–	–	–	–	–
20	0,27	0,20	0,16	0,15	–	–	–	–	–	–	–	–
21	0,23	0,19	0,15	0,13	–	–	–	–	–	–	–	–
22	0,23	0,18	0,15	–	–	–	–	–	–	–	–	–
23	0,21	0,17	0,13	–	–	–	–	–	–	–	–	–
24	0,19	0,16	–	–	–	–	–	–	–	–	–	–
25	0,17	0,15	–	–	–	–	–	–	–	–	–	–
26	0,16	0,13	–	–	–	–	–	–	–	–	–	–
27	0,16	–	–	–	–	–	–	–	–	–	–	–
28	0,15	–	–	–	–	–	–	–	–	–	–	–
29	0,13	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature TR interne, misure metriche

P_h	14.0	12.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.5
a_p	8,47	6,71	5,7	5,19	4,68	4,17	3,65	2,89	2,38	1,85	1,34	0,98
1	0,40	0,38	0,38	0,38	0,37	0,37	0,37	0,34	0,31	0,27	0,25	0,23
2	0,37	0,36	0,36	0,35	0,35	0,34	0,34	0,33	0,28	0,25	0,24	0,22
3	0,36	0,34	0,34	0,34	0,34	0,33	0,32	0,27	0,24	0,22	0,21	0,19
4	0,36	0,34	0,34	0,33	0,33	0,31	0,29	0,25	0,20	0,17	0,17	0,14
5	0,35	0,32	0,32	0,31	0,31	0,29	0,27	0,23	0,19	0,15	0,14	0,12
6	0,35	0,32	0,32	0,31	0,29	0,26	0,25	0,21	0,18	0,14	0,13	0,08
7	0,34	0,30	0,31	0,29	0,28	0,26	0,23	0,20	0,16	0,13	0,11	–
8	0,34	0,30	0,29	0,29	0,27	0,26	0,22	0,20	0,15	0,12	0,09	–
9	0,34	0,30	0,28	0,26	0,25	0,24	0,22	0,18	0,15	0,12	–	–
10	0,33	0,29	0,27	0,25	0,24	0,23	0,20	0,16	0,15	0,10	–	–
11	0,33	0,29	0,25	0,24	0,23	0,22	0,18	0,15	0,14	0,10	–	–
12	0,32	0,28	0,24	0,23	0,21	0,22	0,17	0,14	0,13	0,08	–	–
13	0,32	0,28	0,23	0,22	0,20	0,20	0,17	0,13	0,10	–	–	–
14	0,31	0,27	0,22	0,21	0,19	0,19	0,16	0,10	–	–	–	–
15	0,31	0,25	0,22	0,21	0,19	0,17	0,14	–	–	–	–	–
16	0,30	0,25	0,20	0,19	0,18	0,16	0,12	–	–	–	–	–
17	0,30	0,24	0,19	0,18	0,17	0,12	–	–	–	–	–	–
18	0,29	0,22	0,18	0,16	0,15	–	–	–	–	–	–	–
19	0,28	0,20	0,17	0,15	0,13	–	–	–	–	–	–	–
20	0,27	0,20	0,16	0,15	–	–	–	–	–	–	–	–
21	0,23	0,19	0,15	0,13	–	–	–	–	–	–	–	–
22	0,23	0,18	0,15	–	–	–	–	–	–	–	–	–
23	0,21	0,17	0,13	–	–	–	–	–	–	–	–	–
24	0,19	0,16	–	–	–	–	–	–	–	–	–	–
25	0,17	0,15	–	–	–	–	–	–	–	–	–	–
26	0,16	0,13	–	–	–	–	–	–	–	–	–	–
27	0,16	–	–	–	–	–	–	–	–	–	–	–
28	0,15	–	–	–	–	–	–	–	–	–	–	–
29	0,13	–	–	–	–	–	–	–	–	–	–	–
30	0,13	–	–	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Esterna ACME, *Pollici*

TPI	2	3	4	5	6	8	10	12	14	16
a_p	0.265	0.18	0.138	0.112	0.095	0.074	0.063	0.050	0.041	0.039
1	0.028	0.019	0.013	0.012	0.011	0.010	0.010	0.009	0.008	0.009
2	0.026	0.018	0.012	0.011	0.011	0.010	0.009	0.009	0.008	0.009
3	0.023	0.016	0.011	0.010	0.010	0.009	0.009	0.007	0.007	0.007
4	0.022	0.015	0.011	0.01	0.009	0.007	0.007	0.007	0.006	0.006
5	0.019	0.013	0.010	0.009	0.008	0.006	0.006	0.005	0.005	0.005
6	0.017	0.011	0.010	0.008	0.007	0.005	0.005	0.005	0.004	0.003
7	0.015	0.011	0.009	0.007	0.006	0.005	0.005	0.004	0.003	–
8	0.013	0.009	0.008	0.007	0.006	0.005	0.004	0.004	–	–
9	0.013	0.009	0.008	0.007	0.006	0.005	0.004	–	–	–
10	0.011	0.009	0.007	0.006	0.006	0.004	0.004	–	–	–
11	0.011	0.008	0.007	0.006	0.006	0.004	–	–	–	–
12	0.01	0.007	0.006	0.006	0.005	0.004	–	–	–	–
13	0.009	0.007	0.006	0.005	0.004	–	–	–	–	–
14	0.009	0.007	0.006	0.004	–	–	–	–	–	–
15	0.008	0.006	0.006	0.004	–	–	–	–	–	–
16	0.007	0.005	0.004	–	–	–	–	–	–	–
17	0.007	0.005	0.004	–	–	–	–	–	–	–
18	0.006	0.005	–	–	–	–	–	–	–	–
19	0.006	–	–	–	–	–	–	–	–	–
20	0.005	–	–	–	–	–	–	–	–	–

Interna ACME, *Pollici*

TPI	2	3	4	5	6	8	10	12	14	16
a_p	0.265	0.182	0.142	0.114	0.098	0.078	0.065	0.049	0.042	0.040
1	0.028	0.020	0.013	0.012	0.012	0.011	0.010	0.009	0.009	0.009
2	0.026	0.018	0.012	0.012	0.011	0.011	0.010	0.009	0.008	0.009
3	0.023	0.016	0.012	0.011	0.011	0.009	0.009	0.007	0.007	0.008
4	0.022	0.015	0.011	0.010	0.009	0.007	0.007	0.006	0.006	0.006
5	0.019	0.013	0.011	0.009	0.008	0.006	0.006	0.005	0.005	0.005
6	0.017	0.011	0.010	0.008	0.007	0.006	0.006	0.005	0.004	0.003
7	0.015	0.011	0.009	0.007	0.007	0.005	0.005	0.004	0.003	–
8	0.013	0.009	0.008	0.007	0.006	0.005	0.004	0.004	–	–
9	0.013	0.009	0.008	0.007	0.006	0.005	0.004	–	–	–
10	0.011	0.009	0.007	0.006	0.006	0.005	0.004	–	–	–
11	0.011	0.008	0.007	0.006	0.006	0.004	–	–	–	–
12	0.010	0.007	0.006	0.006	0.005	0.004	–	–	–	–
13	0.009	0.007	0.006	0.005	0.004	–	–	–	–	–
14	0.009	0.007	0.006	0.004	–	–	–	–	–	–
15	0.008	0.006	0.006	0.004	–	–	–	–	–	–
16	0.007	0.005	0.005	–	–	–	–	–	–	–
17	0.007	0.005	0.005	–	–	–	–	–	–	–
18	0.006	0.005	–	–	–	–	–	–	–	–
19	0.006	–	–	–	–	–	–	–	–	–
20	0.005	–	–	–	–	–	–	–	–	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Inserto multitagliente TWIN THREADER, TT
Filettature 60° esterne, misure metriche (*Pollici*)

P_h mm	2.0	1.5	1.0
a_p mm (*inch*)	1,25 *(0.049)*	0,93 *(0.037)*	0,65 *(0.026)*
Passata 1 mm (*inch*)	0,25 *(0.010)*	0,22 *(0.009)*	0,22 *(0.009)*
2	0,36 *(0.014)*	0,31 *(0.012)*	0,25 *(0.010)*
3	0,25 *(0.010)*	0,22 *(0.009)*	0,18 *(0.007)*
4	0,21 *(0.008)*	0,18 *(0.007)*	–
5	0,18 *(0.007)*	–	–

Filettature 60° interne, misure metriche (*Pollici*)

P_h mm	2.0	1.5	1.0
a_p mm (*inch*)	1,17 *(0.046)*	0,85 *(0.033)*	0,60 *(0.024)*
Passata 1 mm (*inch*)	0,23 *(0.009)*	0,20 *(0.008)*	0,19 *(0.007)*
2	0,34 *(0.013)*	0,27 *(0.011)*	0,23 *(0.009)*
3	0,23 *(0.009)*	0,20 *(0.008)*	0,18 *(0.007)*
4	0,19 *(0.007)*	0,18 *(0.007)*	–
5	0,18 *(0.007)*	–	–

Filettature Whitworth e BSPT esterne e interne, misure metriche (*Pollici*)

TPI	11	14
a_p mm (*inch*)	1,58 *(0.062)*	1,20 *(0.047)*
Passata 1 mm (*inch*)	0,26 *(0.010)*	0,22 *(0.009)*
2	0,38 *(0.015)*	0,35 *(0.014)*
3	0,27 *(0.011)*	0,24 *(0.009)*
4	0,25 *(0.010)*	0,21 *(0.008)*
5	0,22 *(0.009)*	0,18 *(0.007)*
6	0,20 *(0.008)*	–

Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Filettature UN esterne, misure metriche (*Pollici*)

TPI	12	16
a_p mm (*inch*)	1,39 *(0.055)*	1,05 *(0.041)*
Passata 1 mm (*inch*)	0,28 *(0.011)*	0,25 *(0.010)*
2	0,38 *(0.015)*	0,36 *(0.014)*
3	0,28 *(0.011)*	0,26 *(0.010)*
4	0,25 *(0.010)*	0,18 *(0.007)*
5	0,20 *(0.008)*	–

Filettature UN interne, misure metriche (*Pollici*)

TPI	12	16
a_p mm (*inch*)	1,25 *(0.049)*	0,93 *(0.037)*
Passata 1 mm (*inch*)	0,24 *(0.009)*	0,21 *(0.008)*
2	0,35 *(0.014)*	0,32 *(0.013)*
3	0,25 *(0.010)*	0,22 *(0.009)*
4	0,22 *(0.009)*	0,18 *(0.007)*
5	0,19 *(0.007)*	–

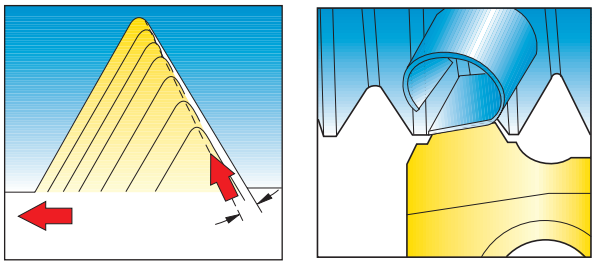
Ph = Passo
a_p = Profondità di passata totale
TPI = Numero di filetti per pollice
Le indicazioni sono relative all'acciaio con durezza < 300 HB

Metodo di avanzamento

La scelta del metodo di avanzamento è più importante per i materiali a truciolo lungo per garantire un buon controllo truciolo.

Incremento sul fianco modificato

Per macchine CNC e macchine convenzionali

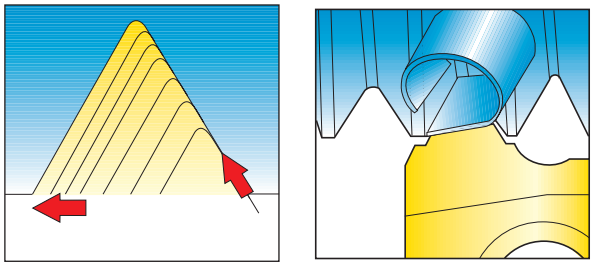


Prima scelta per macchine CNC
L'angolo di avanzamento deve essere inferiore del 2,5-5% rispetto all'angolo sul fianco

- Buon controllo truciolo (importante per la filettatura interna)
- Buona finitura superficiale sul filetto
- Lunga durata utensile

Incremento sul fianco

Per macchine CNC e macchine convenzionali

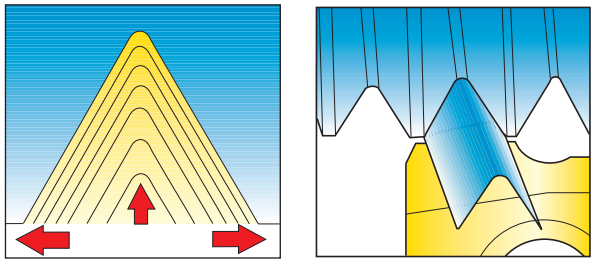


Scegliere l'incremento sul fianco quando non è possibile utilizzare l'incremento sul fianco modificato

- Buon controllo truciolo
- Può dare luogo a una superficie scadente sul filetto
- Non adatto per materiali temprati

Incremento radiale

Per macchine convenzionali e inserti multi-dente

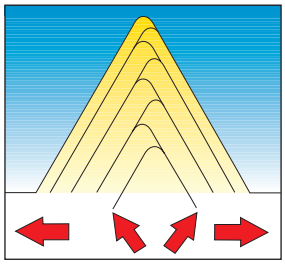


Gli inserti multi-dente richiedono incremento radiale
Prima scelta per i materiali temprati

- Difficoltà nel controllo truciolo
- Forze di taglio elevate

Incremento sul fianco alternativo

Per macchine CNC



Prima scelta per filettature a passo largo

- Lunga durata utensile
- Possono verificarsi problemi di formazione del truciolo

Terminologia e formule

Giri al minuto

$$n = \frac{v_c \cdot 1000}{\pi \cdot D_c} \quad \text{(giri/min)}$$

Velocità di taglio

$$v_c = \frac{n \cdot \pi \cdot D_c}{1000} \quad \text{(m/min)}$$

Velocità di avanzamento

$$v_f = \frac{n \cdot P_h}{1000} \quad \text{(mm/min)}$$

Imbocco

$P_h = P \cdot$ numeri di avvii $\quad P_h = P \cdot$ numeri di avvii (mm)

Angolo dell'elica

$$\lambda = \text{arcotangente} \frac{P_h}{D_2 \cdot \pi} \quad (°)$$

Conversione da P a TPI

$$TPI = \frac{25{,}4}{P}$$

- D_c = Diametro pezzo in lavorazione (mm)
- D_2 = Diametro passo (diametro medio) (mm)
- n = Giri al minuto (giri/min)
- P = Passo (mm)
- P_h = Imbocco (mm)
- v_f = Velocità di avanzamento (m/min)
- TPI = Numero di filetti per pollice
- v_c = Velocità di taglio (mm/min)
- λ = Angolo dell'elica (°)

Giri al minuto

$$n = \frac{v_c \cdot 3.82}{D} \quad \text{(giri/min)}$$

Velocità di taglio

$$v_c = \frac{0.262 \cdot D \cdot n}{1000} \quad \text{(sf/min)}$$

Velocità di avanzamento

$$Sv = \frac{n \cdot P_h}{1000} \quad \text{(poll/min)}$$

Imbocco

$P_h = P \cdot$ numeri di avvii (pollici)

Angolo dell'elica

$$\lambda = \text{arcotangente} \frac{P_h}{D_2 \cdot \pi} \quad (°)$$

Passo di conversione – TPI

$$P = \frac{1}{TPI}$$

- D = Diametro pezzo (pollici)
- D_2 = Diametro passo (diametro effettivo) (pollici)
- n = Giri al minuto (giri/min)
- P = Passo (pollici)
- P_h = Imbocco (pollici)
- Sv = Velocità di avanzamento (pollici/min)
- TPI = Filetti per pollice
- v_c = Velocità di taglio (sf/min)
- λ = Angolo dell'elica (°)

Modifica portautensili per filettature interne di diametri piccoli

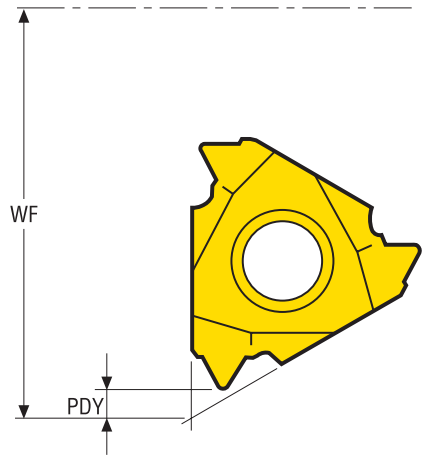
È spesso necessario realizzare filettature all'interno di fori troppo piccoli per gli utensili standard.

Alcuni utensili di filettatura standard possono essere modificati semplicemente riprendendone il corpo. Con questa operazione, è possibile l'accesso a fori del 30% più piccoli.
La modifica può essere eseguita su di un tornio con mandrino a quattro ganasce indipendenti. Nella tabella delle dimensioni DCINN nelle pagine relative agli utensili per "filettatura interna", è indicato il diametro minimo di filettatura per utensili modificati.

Su richiesta, è possibile fornire utensili modificati come design speciale.

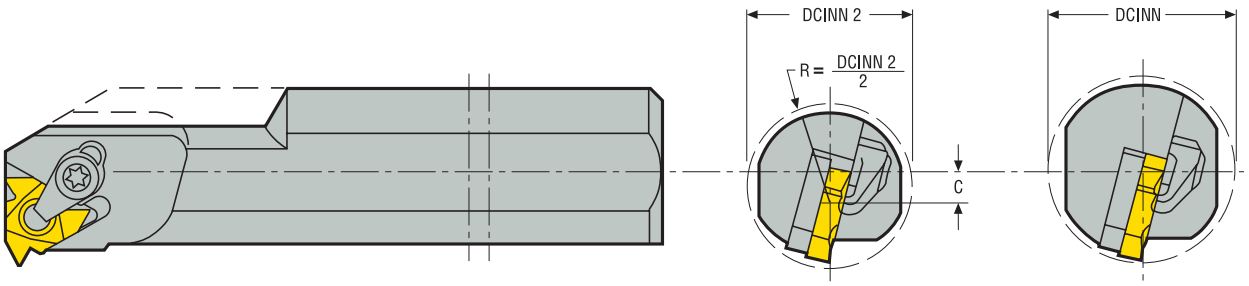
Per qualche utensile è possibile eseguire anche fori più piccoli di quelli indicati dalla dimensione DCINN2; in questo caso è necessario asportare lo spigolo inferiore dell'inserto (possibilmente anche il supporto).

Dimensioni di riferimento sull'inserto



Le dimensioni WF e PDY sono riportate alle pagine dei portautensili interni e degli inserti per filettatura.

Dimensioni di riferimento sulla barra



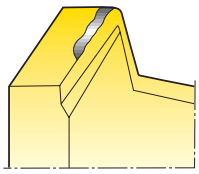
C = WF – PDY + R – DCINN2

C = Disassamento mezzeria per utensile da modificare.
DCINN = Minimo diametro del foro per utensile standard.
DCINN2 = Minimo diametro del foro per utensile modificato.

Risoluzione dei problemi

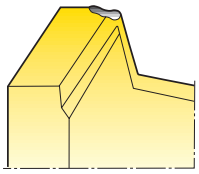
Rapida usura sul fianco

- Diminuire la velocità di taglio
- Aumentare l'incremento per passata
- Usare il metodo di incremento sul fianco modificato
- Controllare che si stia usando il supporto corretto
- Scegliere una qualità più resistente all'usura



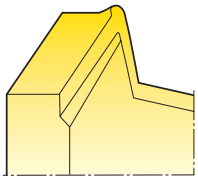
Rottura inserto

- Aumentare il numero di passate
- Controllare la stabilità del pezzo
- Controllare la mezzeria del tagliente
- Verificare la formazione del tagliente di riporto
- Usare una qualità più tenace



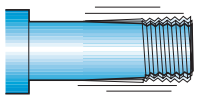
Deformazione plastica

- Scegliere una qualità più resistente alla deformazione plastica
- Diminuire la velocità di taglio
- Aumentare il numero di passate
- Aumentare il refrigerante
- Controllare che il diametro del pezzo lavorato sia corretto



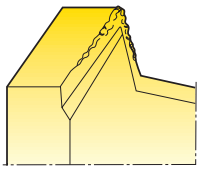
Vibrazioni

- Variare la velocità di taglio
- Diminuire la sporgenza utensile ed impiegare l'utensile più stabile possibile
- Controllare la mezzeria del tagliente
- Controllare che il diametro del pezzo lavorato sia corretto



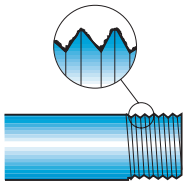
Formazione del tagliente di riporto

- Aumentare la velocità di taglio
- Non usare refrigerante



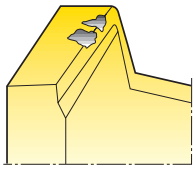
Cattiva finitura superficiale

- Aumentare la velocità di taglio
- Controllare che si stia usando il supporto corretto
- Usare il metodo di incremento sul fianco modificato o radiale



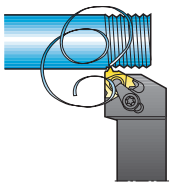
Scheggiature

- Controllare la stabilità del pezzo
- Controllare la velocità di taglio
- Usare il metodo di incremento sul fianco modificato
- Usare una qualità più tenace



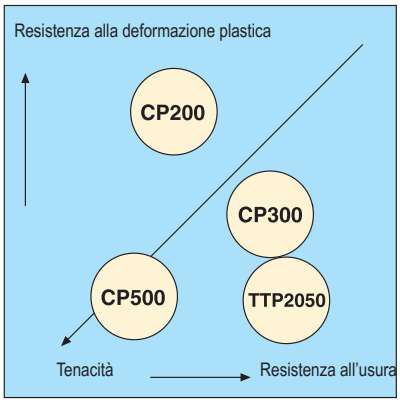
Cattivo controllo truciolo

- Ridurre il numero di passate
- Aumentare la velocità di taglio
- Usare il metodo di incremento sul fianco modificato
- Aumentare il refrigerante

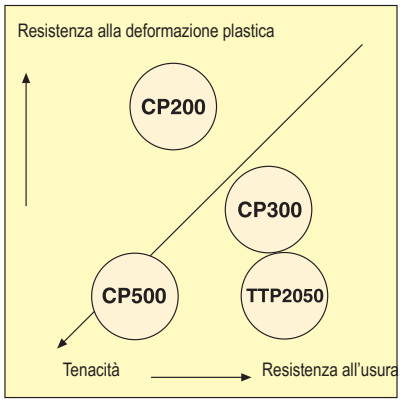


Ottimizzazione

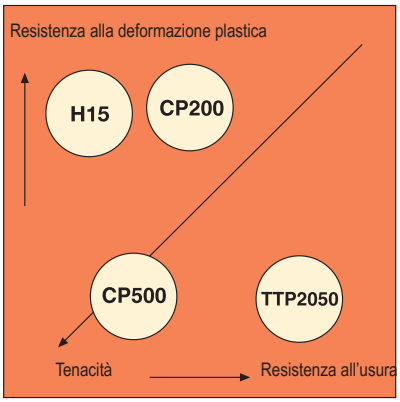
ISO-P (acciaio)



ISO-M (acciaio inossidabile)



ISO-K (ghisa)



Valori di coppia per viti di serraggio

Nella tabella sottostante sono riportati i valori delle coppie di serraggio massime per ciascuna vite

Designazione vite	Coppia Nm	Chiave dinamometrica
110.26-655	10,0	H00T-60100
117.26-655	5,0	H00T-3050
117.26-657	3,0	H00-2530
170.26-655	6,0	H00T-4060
C02205-T07P	0,9	T00-07P09
C02505-T07P	0,9	T00-07P09
C02506-T07P	0,9	T00-07P09
C03007-T09P	2,0	T00-09P20
C03508-T15P	3,0	T00-15P30
C03509-T15P	3,0	T00-15P30
C03510-T15P	3,0	T00-15P30
C03511-T09P	2,0	T00-09P20
C03512-T15P	3,0	T00-15P30
C04008-T15P	3,5	T00-15P35
C04010-T15P	3,5	T00-15P35
C04011-T15P	3,5	T00-15P35
C04014-T15P	3,5	T00-15P35
C04512-T15P	5,0	T00-15P50
C04518-T15P	5,0	T00-15P50
C05010-T20P	5,0	T00-20P50
C05012-T15P	5,0	T00-15P50
C05013-T20P	5,0	T00-20P50
C05018-T20P	5,0	T00-20P50
C11804-T06P	0,5	T00-06P05
C46017-T20P	6,0	T00T-20P60
C82204-T06P	0,5	T00-06P05
CC05	0,9	H00-1509
CC08P-V13	2,0	T00-09P20
CC09P-D11	2,0	T00-09P20
CC12P-S12	3,5	T00-15P35
CC14	6,0	H00T-4060
CC16	10,0	–
CC17P	10,0	–
CC17P-06	10,0	–
CC17P-09	10,0	–
CC20P	10,0	–
CC20P-V13	10,0	–
CD09-S09	2,0	T00-09P20
CD12-S12	3,5	T00-15P35
CD16-S16	5,0	T00-20P50
CD19-S19	5,0	T00-20P50
CD19-V16	5,0	T00-20P50
CSC8015-T20P	5,0	T00-20P50
CSC1015-T20P	5,0	T00-20P50
CSP16-T15P	2,0	T00-15P20
CSP22-T15P	3,0	T00-15P30
CSP27-T25P	6,0	T00T-25P60

Designazione vite	Coppia Nm	Chiave dinamometrica
L84017-T09P	2,0	T00-09P20
L85011-T15P	5,0	T00-15P50
L85012-T15P	5,0	T00-15P50
L85017-T09P	2,0	T00-09P20
L85020-T15P	3,5	T00-15P35
L85021-T15P	3,5	T00-15P35
L86015-T20P	6,0	T00T-20P60
L86025-T20P	6,0	T00T-20P60
LD1035-T25P	6,0	T00T-25P60
LD5020-T09P	2,0	T00-09P20
LD6020-T15P	3,0	T00-15P30
LD6021-T09P	2,0	T00-09P20
LD6024-T20P	3,0	T00-15P30
LD6025-T15P	3,0	T00-15P30
LD6026-T09P	2,0	T00-09P20
LD8025-T25P	6,0	T00T-25P60
LD8030-T25P	6,0	T00T-25P60
LS0512	2,5	–
LS0613	3,0	H00-2530
LS0616	3,0	H00-2530
LS0818	4,0	–
LS0822	4,0	–
MC6S4X14	3,5	–
MC6S4X18	3,5	–
MC6S5X14	5,0	H00T-4050
MC6S5X18	5,0	H00T-4050
MN0909L-T09P	2,0	T00-09P20
MN1215L-T15P	3,0	T00-15P30
MN1215R-T15P	3,0	T00-15P30
MN1215S-T15P	3,0	T00-15P30
MN1215T-T15P	3,0	T00-15P30
MN1515-T15P	3,0	T00-15P30
MN1515SL-T15P	3,0	T00-15P30
MN1520-T20P	6,0	T00T-20P60
MN1920-T20P	6,0	T00T-20P60
MN1925-T25P	5,0	T00T-25P50
MN2525-T25P	6,0	T00T-25P60
PL1403-T09P	2,5	T00-09P20
TCEI0409	3,5	–
TCEI0509	6,0	H00T-4060
TCEI0513	6,0	H00T-4060
TCEI0609	8,0	H00T-5080
TCEI0613	8,0	H00T-5080
TCEI0614	8,0	H00T-5080
TCEI0620	8,0	H00T-5080
TCEI0815	10,0	H00T-60100
TCEI0825	10,0	H00T-60100
TCEI1020	15,0	–
WS1620-T20P	3,5	T00-20P35
WS1920-T20P	3,5	T00-20P35
WS2325-T25P	5,0	T00T-25P50

Per la gamma completa delle chiavi dinamometriche Seco, vedere la pagina seguente

Chiavi dinamometriche

È disponibile una gamma di chiavi dinamometriche con valori di coppia fissi, in combinazioni di valori di serraggio/coppia delle chiavi per il bloccaggio dell'inserto, per la maggior parte dei prodotti per tornitura Seco.
Utilizzando una chiave dinamometrica si assicura la coppia di serraggio corretta durante il montaggio dell'inserto. Il valore della coppia è riportato per ogni vite a pagina 38.
Le chiavi dinamometriche rispettano la norma ISO 6789.

Chiave di codifica: T00-15P35

T00 = Chiave dinamometrica tipo cacciavite per bit tipo Torx Plus
T00T = Chiave dinamometrica con impugnatura a T per bit tipo Torx Plus
H00 = Chiave dinamometrica per bit esagonali
H00T = Chiave dinamometrica con impugnatura a T per bit esagonali

15P = dimensione Torx Plus
35 = coppia di serraggio 3,5 Nm

Chiave dinamometrica*	Bit	Dimensione Torx Plus	Coppia di serraggio
T00-06P05	T00-06P	T06P	0,5 Nm
T00-07P05	T00-07P	T07P	0,5 Nm
T00-07P09	T00-07P	T07P	0,9 Nm
T00-08P12	T00-08P	T08P	1,2 Nm
T00-08P20	T00-08P	T08P	2,0 Nm
T00-09P09	T00-09P	T09P	0,9 Nm
T00-09P12	T00-09P	T09P	1,2 Nm
T00-09P20	T00-09P	T09P	2,0 Nm
T00-10P20	T00-10P	T10P	2,0 Nm
T00-10P30	T00-10P	T10P	3,0 Nm
T00-10P35	T00-10P	T10P	3,5 Nm
T00-15P20	T00-15P	T15P	2,0 Nm
T00-15P30	T00-15P	T15P	3,0 Nm
T00-15P35	T00-15P	T15P	3,5 Nm
T00-15P40	T00-15P	T15P	4,0 Nm
T00-15P50	T00-15P	T15P	5,0 Nm
T00-20P35	T00-20P	T20P	3,5 Nm
T00-20P50	T00-20P	T20P	5,0 Nm

* Bit incluso

Chiave dinamometrica*	Bit	Dimensione Torx Plus	Coppia di serraggio
T00T-15P50	T00T-15P	T15P	5,0 Nm
T00T-20P50	T00T-20P	T20P	5,0 Nm
T00T-20P60	T00T-20P	T20P	6,0 Nm
T00T-20P80	T00T-20P	T20P	8,0 Nm
T00T-25P50	T00T-25P	T25P	5,0 Nm
T00T-25P60	T00T-25P	T25P	6,0 Nm
T00T-25P80	T00T-25P	T25P	8,0 Nm
T00T-30P80	T00T-30P	T30P	8,0 Nm

* Bit incluso

Chiave dinamometrica*	Bit	Dimensione vite esagonale	Coppia di serraggio
H00-1305	H00-1.3	1,3 mm	0,5 Nm
H00-1505	H00-1.5	1,5 mm	0,5 Nm
H00-1509	H00-1.5	1,5 mm	0,9 Nm
H00-2009	H00-2.0	2,0 mm	0,9 Nm
H00-2016	H00-2.0	2,0 mm	1,6 Nm
H00-2020	H00-2.0	2,0 mm	2,0 Nm
H00-2512	H00-2.5	2,5 mm	1,2 Nm
H00-2530	H00-2.5	2,5 mm	3,0 Nm
H00-2535	H00-2.5	2,5 mm	3,5 Nm
H00-3020	H00-3.0	3,0 mm	2,0 Nm
H00-3030	H00-3.0	3,0 mm	3,0 Nm
H00-4030	H00-4.0	4,0 mm	3,0 Nm

* Bit incluso

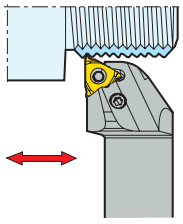
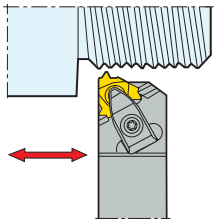
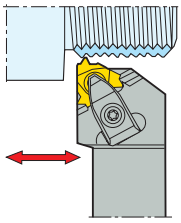
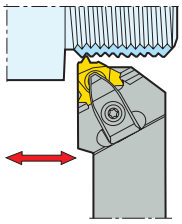
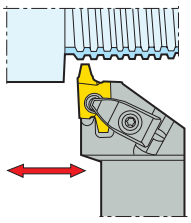
Chiave dinamometrica*	Bit	Dimensione vite esagonale	Coppia di serraggio
H00T-3050	H00T-3.0	3 mm	5,0 Nm
H00T-4050	H00T-4.0	4 mm	5,0 Nm
H00T-4060	H00T-4.0	4 mm	6,0 Nm
H00T-5050	H00T-5.0	5 mm	5,0 Nm
H00T-5080	H00T-5.0	5 mm	8,0 Nm
H00T-50100	H00T-5.0	5 mm	10,0 Nm
H00T-60100	H00T-6.0	6 mm	10,0 Nm

* Bit incluso

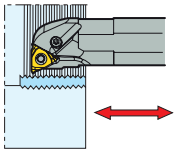
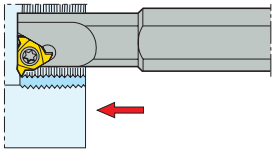
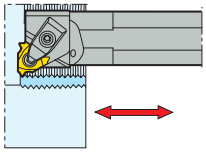
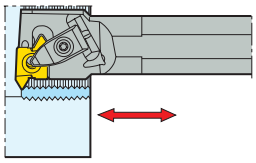
Si noti che le lame non sono intercambiabili tra l'impugnatura a cacciavite e quella a T.
Torx Plus® è un marchio registrato da Camcar-Textron (Stati Uniti)

Panoramica dell'applicazione, portautensili

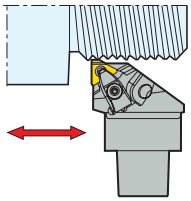
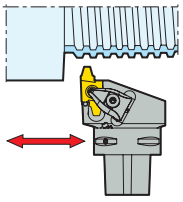
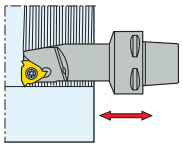
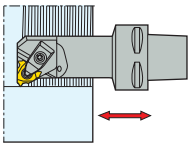
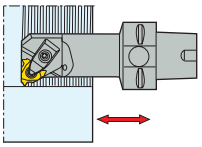
Portautensili esterni

PER/L...QHDJETI PER/L...QHDJET	CER/L CER/L...HD	CER/L...Q CER/L...QHD	CER...CQHD	CER...HD CER/L...QHD
				
Pagine 55-56	Pagine 60	Pagine 62, 63	Pagine 66	Pagine 69

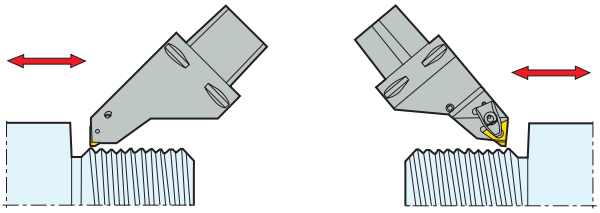
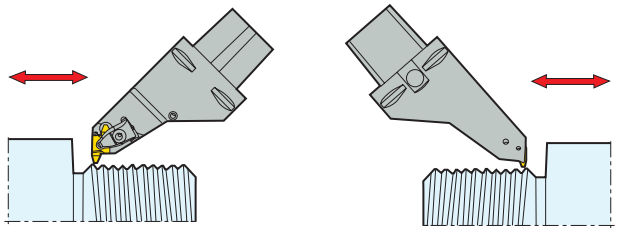
Portautensili interni

PNR/L...AHDJET	SNR/L	CNR/L...AHD CNR/L...APIHD	CNR/L...AHD
			
Pagine 57, 58-59	Pagine 70	Pagine 71, 72	Pagine 78

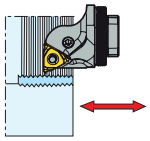
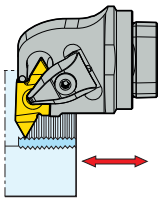
Seco-Capto™

CER/L-..HD...CHD Est.	CER..HD Est.	SNR Int.	CNR/L-..HD Int.	CNR/L-..CHD Int.
				
Pagine 79, 80	Pagine 83	Pagine 84, 85	Pagine 86, 87-90	Pagine 91-93

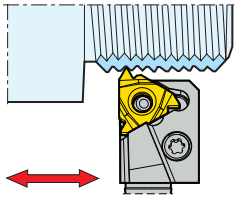
Seco-Capto™ per MTM

CER-..HD	CEL..HD
	
Pagine 94	Pagine 95

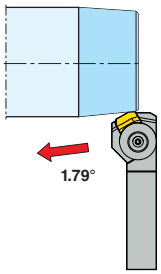
Steadyline® con connessione GL

GL...-PNR/L...AHDJET	GL50-CNR...26AHD
	
Pagine 96, 97	Pagine 98

Sistema di utensili a cambio rapido, Jetstream Tooling®, unità di taglio QC, esterno

QC..-PER/L-HDJET

Pagine 99

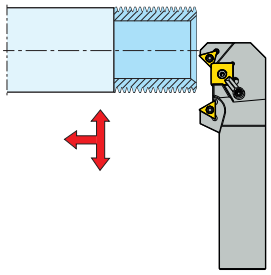
Portautensili per la pelatura

CSXCR...

Pagine 100-101

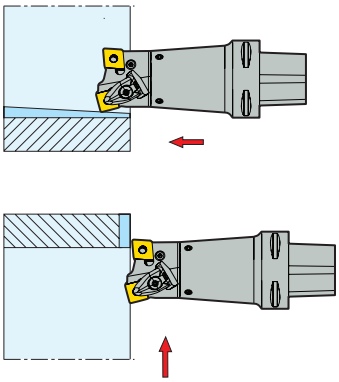
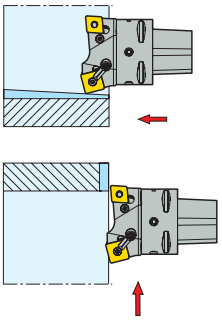
Inserti per la pelatura

SCNN
Pagine 124

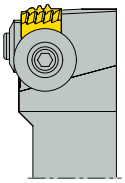
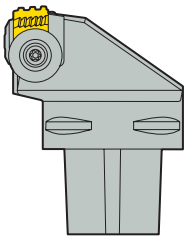
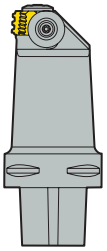
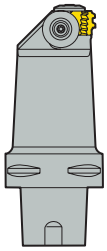
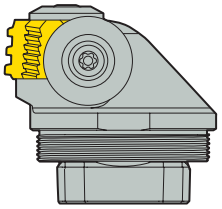
Portautensili sfacciatura tubi

MSGNR...

Pagine 102-103

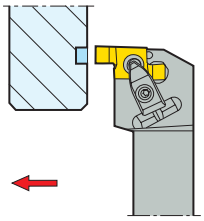
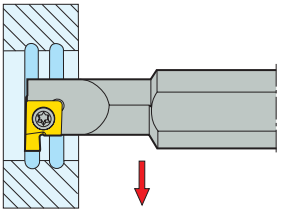
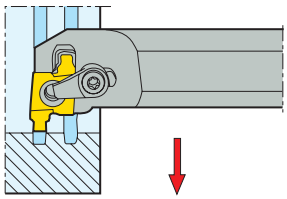
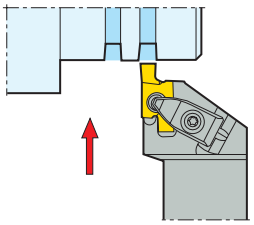
Portautensili per inserti SNMA, SNMG, SNMM / CNMA, CNMG, CNMM

C.-DSKNR/L - CLNR/L 75°	C.-MSKNR/L - PCLNR/L 75°
	
Pagine 104	Pagine 105

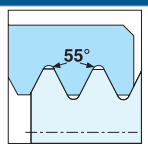
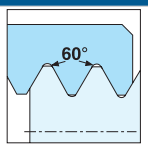
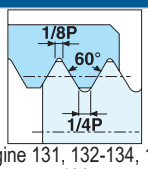
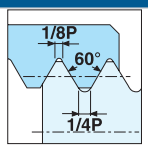
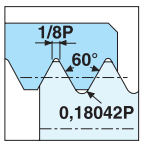
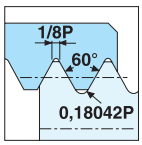
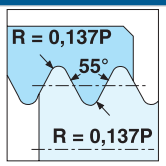
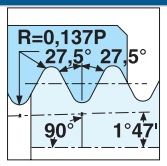
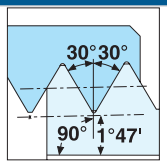
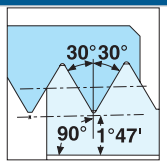
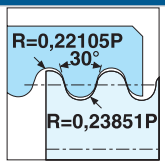
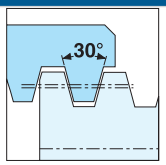
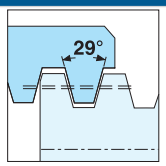
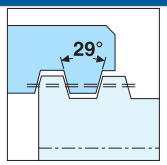
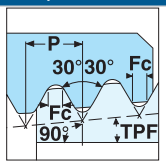
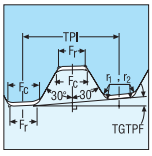
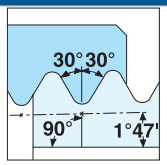
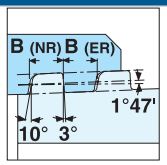
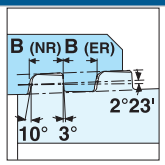
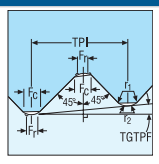
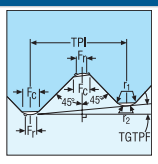
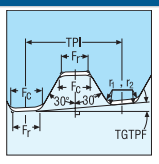
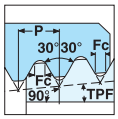
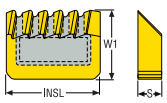
Utensili per inserti chaser

Utensili esterni per chaser CER...X	Seco-Capto™ CER...X	Seco-Capto™ CNR/L...X	Seco-Capto™ CNL...C-X	Steadyline® GL.. -CNR/L...-I/X
				
Pagine 106-107	Pagine 108	Pagine 109-110	Pagine 111-112	Pagine 113

Utensili per scanalature di precisione

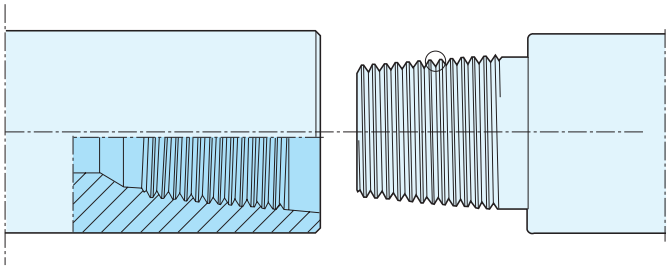
CEAR/L...	SNR/L...	CNR/L...	CER/L...
			
Pagine 114	Pagine 116	Pagine 118	Pagine 123

Panoramica dell'applicazione, inserti

Inserti a profilo parziale	Profilo a V 55°	Profilo a V 60°			
	 Pagine 125-126	 Pagine 127-129, 130			
Inserti a profilo completo	**ISO metrico**	**UN**			
Per filetti in tutti i settori dell'industria meccanica	 Pagine 131, 132-134, 135, 136	 Pagine 138, 139-141, 142			
Inserti a profilo completo	**UNJ**	**MJ**			
Per filettature dell'industria aerospaziale	 Pagine 144-145	 Pagine 146-147			
Inserti a profilo completo	**Whitworth, BSW**	**BSPT**	**NPT**	**NPTF**	**Tondo-DIN405**
Per filettature di raccordi e giunzioni di tubazioni	 Pagine 148, 149-150, 151	 Pagine 152-153	 Pagine 154-155	 Pagine 156-157	 Pagine 158-159
Inserti a profilo parziale	**TR-DIN103**	**ACME**	**Stub-ACME**	**American Butress**	
Per filettature su viti di trasmissioni di moto	 Pagine 160-161	 Pagine 162-163	 Pagine 164-165	Pagine 166-167	
Inserti a profilo completo	**API connessioni per impianti di perforazione**	**Hughes Flush**	**API ROUND**	**API Buttress 1:16**	**API Buttress 1:12**
Filettature per l'industria petrolifera	 Pagine 168-169	 Pagine 170-171	 Pagine 172-173	 Pagine 174-175	 Pagine 176-177
Inserti a profilo completo	**Hughes H90**	**Hughes Slimline H90**	**P.A.C**	**Chaser API/Gost**	**Formatrucioli per inserti chaser**
Filettature per l'industria petrolifera	 Pagine 170-171	 Pagine 170-171	 Pagine 170-171	 Pagine 178, 179	 Pagine 180, 181, 182

Collegamenti per perforazione a rotazione

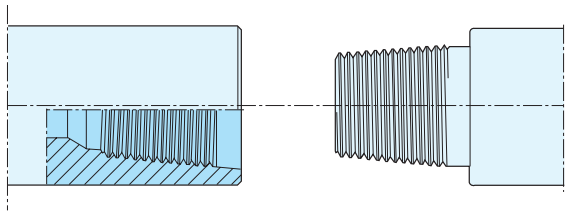
Illustrazione del tubo e del raccordo OCTG



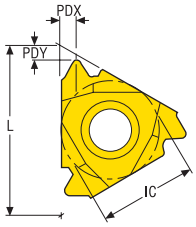
Collegamenti	Passo TPI	TGTPF	Codice API	Codice Snap-Tap®
Numero API				
NC10 - NC16	6,0	1,5	V055	6API558
NC23 - NC50	4,0	2,0	V038R	4API386
NC56 - NC77	4,0	3,0	V038R	4API384
Regolare API				
1 - 1 1/2 REG	6,0	1,5	V055	6API558
2 3/8 REG - 4 1/2 REG	5,0	3,0	V040	5API404
5 1/2 REG, 7 5/8 REG, 8 5/8 REG	4,0	3,0	V050	4API504
6 5/8 REG	4,0	2,0	V050	4API506
Pulizia interna				
2 3/8 IF - 6 5/8 IF	4,0	2,0	V038R	4API386
Foro completo				
3 1/2 FH, 4 1/2 FH	5,0	3,0	V040	5API404
4 FH	4,0	2,0	V038R	4API386
5 1/2 FH, 6 5/8 FH	4,0	2,0	V050	4API506
Hughes External Flush				
2 3/8, 2 7/8	6,0	2,0	–	6HEF
3 1/2, 4 1/2	4,0	2,0	V038R	4API386
Hughes Xtra Hole				
2 7/8 - 5	4,0	2,0	V038R	4API386
Hughes Slim Hole				
2 3/8 - 4 1/2	4,0	2,0	V038R	4API386
Hughes Double Streamline				
3 1/2 - 5 1/2	4,0	2,0	V038R	4API386
Hughes H90				
3 1/2 - 6 5/8	3,5	2,0	90V050	3.5H906
7 - 8 5/8	3,5	3,0	90V050	3.5H904
Hughes Slimline H90				
2 3/8 - 3 1/2	3,0	1,25	90V050	3H90
Hughes ACME Regular				
2 3/8 - 6 5/8	4,0	3,373	–	4HACME
Hughes ACME Streamline				
2 3/8 - 5 1/2	4,0	3,373	–	4HACME
P.A.C.				
2 3/8 PAC - 3 1/2 PAC	4,0	1,5	V076	4PAC
Macaroni				
MT, AMT, AMMT	6,0	1,5	V055	6API558

Collegamenti per perforazione a rotazione

Collegamenti

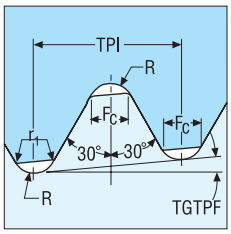
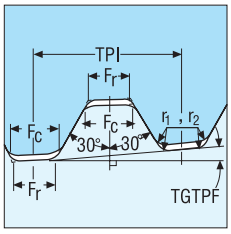
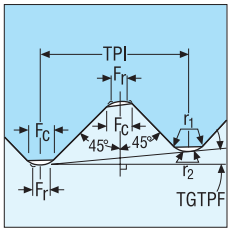
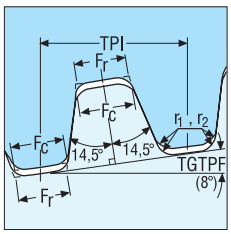


Dimensioni dell'inserto



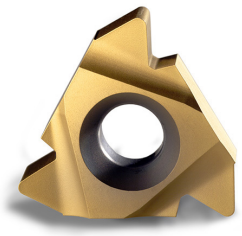
Collegamenti							
Codice Snap-Tap®	Codice API	Passo TPI	TGTPF *inch*	L mm	IC mm	PDX mm	PDY mm
6API558	V055	6,0	*1,5*	22,0	12,700	2,5	2,0
5API404	V040	5,0	*3,0*	22,0	12,700	2,5	2,0
5API404	V040	5,0	*3,0*	27,5	15,875	3,2	2,2
4API386	V038R	4,0	*2,0*	22,0	12,700	2,5	1,9
4API386	V038R	4,0	*2,0*	27,5	15,875	3,2	2,2
4API384	V038R	4,0	*3,0*	27,5	15,875	3,2	2,2
4API506	V050	4,0	*2,0*	27,5	15,875	3,2	2,2
4API504	V050	4,0	*3,0*	27,5	15,875	3,2	2,2
6HEF	–	6,0	*2,0*	22,0	12,700	2,5	2,0
4PAC	V076	4,0	*1,5*	27,5	15,875	3,2	2,2
3,5H906	90V050	3,5	*2,0*	27,5	15,875	3,2	2,2
3,5H904	90V050	3,5	*3,0*	27,5	15,875	3,2	2,2
3H90	90V050	3,0	*1,25*	27,5	15,875	3,2	2,2
4HACME	–	4,0	*3,373*	27,5	15,875	3,2	2,2

Profilo del filetto

Profilo	TPI	TGTPF	R/F_r mm (*inch*)	F_c mm (*inch*)	r_1 mm (*inch*)	r_2 mm (*inch*)	Codice API	Codice Snap-Tap®
	5.0	3.0	0,508 (*0.200*)	1,016 (*0.0400*)	0,381 (*0.0150*)	–	V040	5API404
	4.0	2.0	0,965 (*0.0380*)	1,651 (*0.0650*)	0,381 (*0.0150*)	–	V038R	4API386
	4.0	3.0	0,965 (*0.0380*)	1,651 (*0.0650*)	0,381 (*0.0150*)	–	V038R	4API384
	4.0	2.0	0,635 (*0.0250*)	1,270 (*0.0500*)	0,381 (*0.0150*)	–	V050	4API506
	4.0	3.0	0,635 (*0.0250*)	1,270 (*0.0500*)	0,381 (*0.0150*)	–	V050	4API504
	6.0	1.5	1,194 (*0.0470*)	1,397 (*0.0550*)	0,381 (*0.0150*)	0,381 (*0.0150*)	V055	6API558
	6.0	2.0	0,559 (*0.0220*)	0,813 (*0.0320*)	0,381 (*0.0150*)	0,381 (*0.0150*)	–	6HEF
	4.0	1.5	1,702 (*0.0670*)	1,930 (*0.0760*)	0,381 (*0.0150*)	0,381 (*0.0150*)	V076	4PAC
	3.5	2.0	0,864 (*0.0340*)	1,270 (*0.0500*)	0,381 (*0.0150*)	0,762	90V050	3,5H906
	3.5	3.0	0,864 (*0.0340*)	1,270 (*0.0500*)	0,381 (*0.0150*)	0,762	90V050	3,5H904
	3.0	1.25	1,727 (*0.0680*)	2,134 (*0.0840*)	0,381 (*0.0150*)	0,762	90V050	3H90
	4.0	3.373	2,253 (*0.0887*)	2,388 (*0.0940*)	0,787 (*0.0310*)	0,787 (0.0310)	–	4HACME

Filettatura nel settore petrolifero

Controllo qualità Seco Snap-Tap®



1. Controllo metallurgico del substrato
Controllo del substrato per Hc, MM e porosità.
Misurato in base a SPM.
Valori memorizzati in un database.

2. Controllo delle dimensioni dopo la sinterizzazione
Misurazione di IC e spessore.
Misurato in base a SPM.
Valori memorizzati in un database.

3. Controllo della dimensione dopo la rettifica del fondo
Spessore e altezza del tagliente.
Planarità.
Misurato in base a SPM.

4. Controllo della dimensione dopo la rettifica
Profilo e raggio.
Misurato in base a SPM.

5. Misurazione del tagliente
Raggio del tagliente controllato durante l'arrotondamento.
Misurato in base a SPM.
Valori memorizzati in un database.

6. Misurazione del rivestimento
Rivestimento, controllo dello spessore e dell'adesione.
Misurato in base a SPM.
Valori memorizzati in un database.

7. Ispezione finale
Ispezione visiva.
Campionamento a norma AQL.

8. Sistema di gestione della produzione
SGS (SPM1) - Specifiche di controllo.
LS - Istruzioni di produzione.
Seco Act - Sistema per azioni preventive e correttive.
Approvato in base agli standard ISO 9001 e 14001.

9. Abbreviazioni
LS - Local management Systems (Sistemi di gestione locali) - Contiene descrizioni di processi, routine, procedure e istruzioni locali.
SGS - Seco Global Standards (Standard Seco globali) - Si compone di istruzioni comuni a tutte le aziende Seco.
SPM - Seco Production Manual (Manuale di produzione Seco) - Parte di SGS, è una raccolta di istruzioni e documenti con lo scopo di guidare e mantenere il livello di qualità dei prodotti Seco.
AQL - Accepted Quality Level (Livello di qualità accettato) (MIL-std).
MM - Contenuto di tungsteno nella funzione di legante.
Hc - Coercitività, descrizione della dimensione grana.

Filettatura nel settore petrolifero

Controllo qualità inserti Seco Chaser

1. Controllo metallurgico del substrato
Controllo del substrato per Hc, MM e porosità.
Misurato in base a SPM.
Valori memorizzati in un database.

2. Controllo delle dimensioni dopo la rettifica della parte superiore e del fondo
Spessore.
Rugosità Ra.
Planarità.
Misurato in base a SPM.

3. Misurazione dopo la rettifica periferica
Misurazione ottica.
Dati memorizzati in un database.

4. Controllo della dimensione dopo la rettifica
Profilo e raggio.
Misurato in base a SPM.

5. Misurazione del tagliente
Raggio del tagliente controllato durante l'arrotondamento.
Misurato in base a SPM.
Valori memorizzati in un database.

6. Misurazione del rivestimento
Rivestimento (PVD), controllo dello spessore e dell'incollamento.
Misurato in base a SPM.
Valori memorizzati in un database.

7. Classificazione dell'altezza
Misurazione ottica dell'altezza.
Presentazione grafica dei valori.
Ordinati ed etichettati con la classificazione dell'altezza.

8. Ispezione finale
Ispezione del tagliente 100%.
Controllo del profilo con disegno di tolleranza, campionamento secondo AQL.

9. Tracciabilità
Prodotti finiti di ciascun ordine salvati per riferimento futuro.
Salvataggio per 5 anni dalla data di produzione.
Il prodotto finito è completamente tracciabile.

10. Disegni di sovrapposizione
La stampante per sovrapposizioni è calibrata con scala in vetro mensilmente.
La stampa master in scala viene salvata in base a SPM.

11. Sistema di gestione della produzione
SGS (SPM1) - Specifiche di controllo.
LS - Istruzioni di produzione.
Seco Act - Sistema per azioni preventive e correttive.
Approvato in base agli standard ISO 9001 e 14001.

12. Abbreviazioni
LS - Local management Systems (Sistemi di gestione locali) - Contiene descrizioni di processi, routine, procedure e istruzioni locali.
SGS - Seco Global Standards (Standard Seco globali) - Si compone di istruzioni comuni a tutte le aziende Seco.
SPM - Seco Production Manual (Manuale di produzione Seco) - Parte di SGS, è una raccolta di istruzioni e documenti con lo scopo di guidare e mantenere il livello di qualità dei prodotti Seco.
AQL - Accepted Quality Level (Livello di qualità accettato) (MIL-std).
MM - Contenuto di tungsteno nella funzione di legante.
Hc - Coercitività, descrizione della dimensione grana.

Attributi ISO

Attributo ISO	Spiegazione
AN	Angolo principale di disimpegno
B	Larghezza stelo
BAWS	Angolo di inclinazione sede inserto rispetto al pezzo
BD	Diametro corpo
BLQ	Codice qualità di equilibratura
CDRX	Massima profondità di taglio radiale
CDX	Profondità di taglio massima
CDXI	Massima profondità di taglio inserto
CDXSH	Massima profondità di taglio stelo
CF	Smusso a punti
CNT	Dimensione filetto di ingresso refrigerante
CP	Pressione del refrigerante
CTMS	Connessione lato macchina
CTWS	Connessione lato pezzo
CUTDIA	Diametro massimo di taglio
CW	Larghezza di taglio
D1	Diametro del foro di fissaggio
DCB	Diametro centraggio
DCB1	Diametro centraggio 1
DCB2	Diametro centraggio 2
DCINN	Diametro di taglio interno minimo
DCINN2	Diametro di taglio interno minimo 2
DCINN3	Diametro di taglio interno minimo 3
DCP	Fornitura chip dati
DCSFMS	Diametro superficie di contatto lato macchina
DF	Diametro flangia
DIX	Diametro massimo interferenza cambio utensile
DMM	Diametro stelo
EPSR	Angolo comprensivo di inserto
GAMO	Angolo di spoglia superiore
H	Altezza stelo
HF	Altezza funzionale
HRY	quota, Quota da rif. piano di montaggio al piano inferiore dell'unità in direzione Y m
IC	Diametro cerchio inscritto
INPLM	Diametro minimo di piantata iniziale
INPLX	Piantata massima iniziale
INSD	Diametro inserto
INSL	Lunghezza dell'inserto
KCHL	Angolo smusso lato sinistro
KCHR	Angolo smusso lato destro
L	Lunghezza del tagliente
LAMS	Angolo di inclinazione
LB1	Lunghezza corpo 1
LB2	Lunghezza corpo 2
LCOG	Lunghezza rispetto al baricentro
LF	Lunghezza funzionale
LF2	Lunghezza funzionale_2
LFS	Lunghezza funzionale secondaria
LH	Lunghezza testina
LH2	Lunghezza testina 2
LIG	Sporgenza inserto
LPR	Lunghezza sporgenza

Attributi ISO

Attributo ISO	Spiegazione
LS	Lunghezza stelo
LSC	Lunghezza bloccaggio
LU	Lunghezza utile
OAH	Altezza complessiva
OAL	Lunghezza complessiva
OAW	Larghezza complessiva
PDX	Distanza profilo ex
PSIRL	Angolo di taglio maggiore lato sinistro
PHDR	Diametro di preforo consigliato
PSIRR	Angolo di taglio maggiore lato destro
RADH	Altezza del corpo radiale
RADW	Larghezza del corpo radiale
RE	Raggio di punta
RETL	Raggio del fianco sinistro
RETR	Raggio del fianco destro
RPMX	Massima velocità di rotazione
S	Spessore inserto
TDZ	Dimensione diametro filettatura
TPI	Filetti per pollice
W1	Larghezza inserto
WF	Larghezza funzionale
WF2	Larghezza funzionale 2
WFS	Lunghezza funzionale secondaria

Introduzione del Jetstream Tooling®

Seco Jetstream Tooling® è una soluzione rivoluzionaria al problema dell'affluenza del refrigerante direttamente nella zona di taglio.

È in grado di erogare un getto concentrato di refrigerante ad alta velocità proprio nella zona in cui serve, vicino al tagliente.

Il getto solleva il truciolo allontanandolo dalla faccia di spoglia, migliorando quindi il controllo del truciolo e la durata dell'utensile e permettendo l'aumento dei parametri di taglio.

Migliora la lavorazione in quasi tutti i gruppi materiale e per valori di pressione del refrigerante variabili.

L'erogazione del refrigerante negli utensili Seco Jetstream Tooling® Duo è indirizzata sia sul petto che sul fianco dell'inserto, per migliorare così il controllo del truciolo e aumentare di conseguenza la durata dell'utensile.

Da molti anni, Seco propone sul mercato soluzioni con tecnologia Jetstream Tooling® per tornitura ISO e scanalatura. Ora la tecnologia Jetstream Tooling® è disponibile anche sugli utensili per filettatura di tornitura (Snap-Tap®).

Il refrigerante può arrivare al portautensili dall'esterno, attraverso un raccordo fissato ad uno degli ingressi previsti sul portautensile o per mezzo della nuova connessione JETI.

Sulle barre di barenatura, il refrigerante viene erogato dalla parte posteriore.

Per applicazione interne, sono disponibili anche tipi di attacco per barre Steadyline®, con designazione GL-. Per maggiori informazioni su Steadyline®, consultare il catalogo Tornitura.

Gli utensili per lavorazioni esterne con stelo quadro sono disponibili con tecnologia Duo. Sono predisposti anche per l'adduzione interna tramite connessione JETI.

La connessione JETI prevede l'adduzione del refrigerante attraverso l'utensile senza bisogno di tubi esterni, che potrebbero impedire i movimenti della macchina in spazi ristretti. Il foro nella parte inferiore dello stelo consente al refrigerante di raggiungere il tagliente direttamente dall'adattatore porta-utensile.

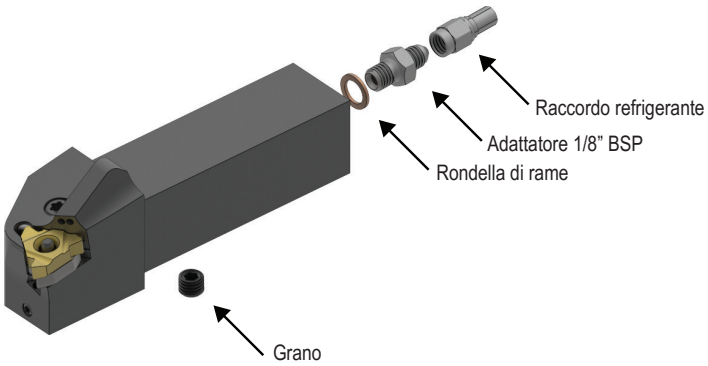
Istruzioni di assemblaggio di Jetstream Tooling®

Descrizione delle parti

Per la sicurezza delle persone, Jetstream Tooling® dovrebbe essere usato solo con la porta della macchina in posizione completamente chiusa, conformemente alle procedure generali di sicurezza delle macchine.

Verificare che il raccordo per l'adduzione sia posizionato in maniera corretta e ben serrato, con tutte le guarnizioni previste. Il foro per adduzione che non viene utilizzato deve essere chiuso con un tappo. Prestare attenzione alle massime pressioni consentite indicate sotto.

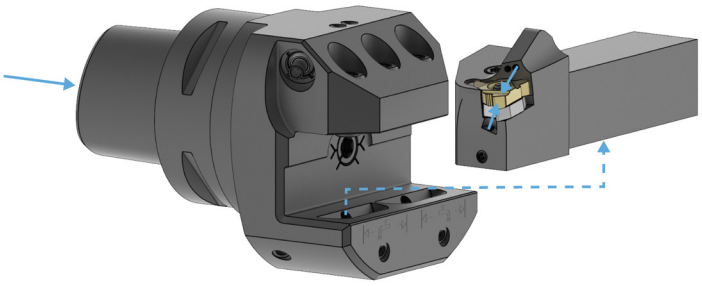
Per gli accessori vedere la pagina successiva.



Istruzioni di assemblaggio JETI

Per sfruttare i benefici degli utensili JETI, è necessario impiegare un adattatore porta-utensile progettato per connessioni JETI. La massima pressione del refrigerante in questa configurazione è di 150 bar.

Nota: Il foro per l'adduzione che non viene utilizzato deve essere chiuso con un tappo.



Accessori e parti di ricambio

Raccordi, il codice di ordinazione include le parti di ricambio

Tipo di collegamento	Codice di ordinazione	Lunghezza mm (*inch*)
Raccordo diritto	JET-HOSE150SS	150 *(5,906)*
	JET-HOSE200SS	200 *(7,874)*
	JET-HOSE250SS	250 *(9,843)*
	JET-HOSE300SS	300 *(11,811)*
Raccordo banjo	JET-HOSE150BS	150 *(5,906)*
	JET-HOSE200BS	200 *(7,874)*
	JET-HOSE250BS	250 *(9,843)*
	JET-HOSE300BS	300 *(11,811)*
Raccordo banjo-banjo	JET-HOSE150BB	150 *(5,906)*
	JET-HOSE200BB	200 *(7,874)*
	JET-HOSE250BB	250 *(9,843)*
	JET-HOSE300BB	300 *(11,811)*

Tutti i raccordi hanno una pressione nominale massima di 275 bar (3990 psi).

Parti di ricambio, comprese nella fornitura

Codice di ordinazione		...SS	...BS	...BB
JET-CFP1/8BSP		■	■	■
JET-CBP15		■	■	■
JET-AD1/8BSP		■	■	
JET-ADM10		■		
JET-BBM10			■	■
JET-BB1/8BSP			■	■
JET-C1/4-1/8BSP			■	■
JET-P1/8-5 mm		■	■	■
JET-WM10*		■	■	■
JET-ORING10X1*/**		■	■	■

Confezione da 2, tranne *Confezione da 20
**Non adatto per uso con adduttore
Per istruzioni di assemblaggio, vedere pag. 52

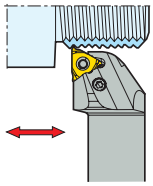
Portautensili di filettatura per tornitura

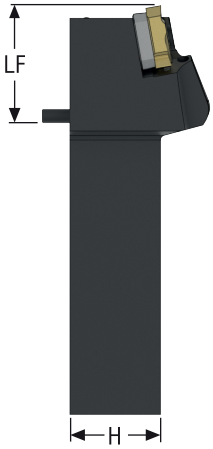
Gli innovativi portautensili ideati per l'uso con gli inserti Snap-Tap® offrono il migliore fissaggio disponibile, per una lunga durata ed un'elevata precisione. Impiegano un sistema di bloccaggio dell'inserto Anti-Twist caratterizzato da un perno in metallo duro nel retro della sede, che resiste all'usura e impedisce la rotazione dell'inserto dovuta alla pressione durante la lavorazione.

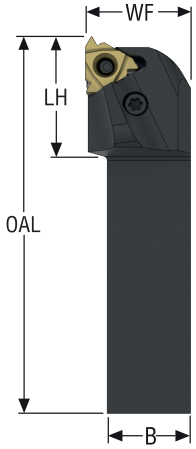
- Portautensili Anti-Twist
- Bloccaggio di tipo D, che tira in modo sicuro l'inserto verso il basso e nella sede

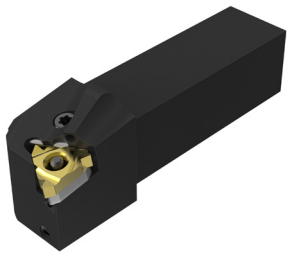
Jetstream Tooling® – Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®









- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176
- CP* Max pressione refrigerante (bar) con raccordo, altrimenti in base all'adattatore lato macchina

Codice di ordinazione	Codice prodotto	H	B	LF	OAL	WF	LH	Peso	CP	CTWS
		mm	mm	mm	mm	mm	mm	kg	bar	
PER2020X16QHDJETI	03007228	20,0	20,0	27,0	91,0	25,0	30,0	0,3	275,0	16
PEL2020X16QHDJETI	03007229	20,0	20,0	27,0	91,0	25,0	30,0	0,4	275,0	16
PER2525X16QHDJETI	03007230	25,0	25,0	27,0	111,0	32,0	30,0	0,5	275,0	16
PEL2525X16QHDJETI	03007231	25,0	25,0	27,0	111,0	32,0	30,0	0,6	275,0	16
PER2525X22QHDJETI	03007241	25,0	25,0	41,0	125,0	32,0	44,0	0,7	275,0	22
PER2525X27QHDJETI	03007246	25,0	25,0	41,0	125,0	32,0	44,0	0,7	275,0	27

Parti di ricambio, comprese nella fornitura

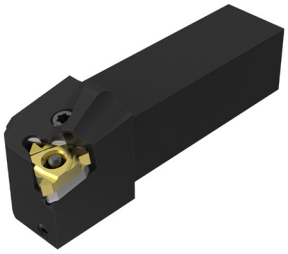
Per attacco	Leva	Supporto inserto (S)	Vite leva	Chiave di bloccaggio	Perno
...16QHD...	PP3712	GXA16-1	LS0612-T15P	T15P-7	AC4625
...22QHD...	PP4816	NXA22-1	LS0815-T25P	T25P-7	AC5035
...27QHD...	PP6019	VXA27-1	LS0820-T25P	T25P-7	AC6050

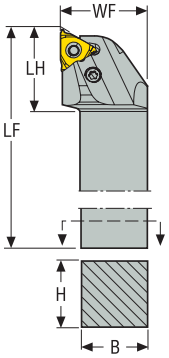
Accessori

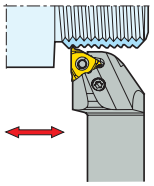
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Grano
...16QHD...	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–	P6SS4X8
...22QHD...	MXA22-1	NXA22-0	NXA22-98	NXA22-97.5	NXA22-0.5	NXA22-1.5	NXA22-2	NXA22-4	NXA22-99.5	NXA22-99	NXA22-98.5	P6SS4X8
...27QHD...	MXA27-1	VXA27-0	VXA27-98	–	VXA27-0.5	VXA27-1.5	VXA27-2	VXA27-4	VXA27-99.5	VXA27-99	VXA27-98.5	P6SS4X8

Jetstream Tooling® – Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176
- CP* Max pressione refrigerante (bar) con raccordo, altrimenti in base all'adattatore lato macchina

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CP	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	psi	
PER075516QHDJET	03007234	0.750	0.750	5.000	0.970	1.181	0.880	10.827	16
PEL075516QHDJET	03007235	0.750	0.750	5.000	0.970	1.181	1.540	10.827	16
PER100616QHDJET	03007236	1.000	1.000	6.000	1.250	1.181	1.980	10.827	16
PEL100616QHDJET	03007237	1.000	1.000	6.000	1.250	1.181	1.980	10.827	16
PER125616QHDJET	03007238	1.250	1.250	6.000	1.500	1.181	2.650	10.827	16
PEL125616QHDJET	03007240	1.250	1.250	6.000	1.500	1.181	2.870	10.827	16
PER100622QHDJET	03007244	0.984	0.984	6.000	1.250	1.732	1.980	10.827	22
PER125622QHDJET	03007245	0.984	0.984	6.000	1.500	1.732	2.650	10.827	22
PER100627QHDJET	03007249	0.984	0.984	6.000	1.250	1.732	1.760	10.827	27
PER125627QHDJET	03007250	0.984	0.984	6.000	1.500	1.732	2.650	10.827	27

Parti di ricambio, comprese nella fornitura

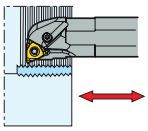
Per attacco	Leva	Supporto inserto (S)	Vite leva	Chiave di bloccaggio	Perno
..16QHJET	PP3712	GXA16-1	LS0612-T15P	T15P-7	AC4625
..22QHJET	PP4816	NXA22-1	LS0815-T25P	T25P-7	AC5035
..27QHJET	PP6019	VXA27-1	LS0820-T25P	T25P-7	AC6050

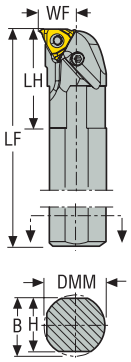
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Grano
..16QHJET	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–	P6SS4X8
..22QHJET	MXA22-1	NXA22-0	NXA22-98	NXA22-97.5	NXA22-0.5	NXA22-1.5	NXA22-2	NXA22-4	NXA22-99.5	NXA22-99	NXA22-98.5	P6SS4X8
..27QHJET	MXA27-1	VXA27-0	VXA27-98	–	VXA27-0.5	VXA27-1.5	VXA27-2	VXA27-4	VXA27-99.5	VXA27-99	VXA27-98.5	P6SS4X8

Jetstream Tooling® – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 173
- CP* Max pressione refrigerante (bar) con raccordo, altrimenti in base all'adattatore lato macchina

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	DCINN	DMM	Peso	CP	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	bar	
PNR0020P16AHDJET	03006930	19,0	18,0	171,0	13,8	42,0	24,0	20,0	0,4	275,0	16
PNL0020P16AHDJET	03006931	19,0	18,0	171,0	13,8	42,0	24,0	20,0	0,5	275,0	16
PNR0025R16AHDJET	03006932	24,0	23,0	200,0	16,3	42,0	29,0	25,0	0,7	275,0	16
PNL0025R16AHDJET	03006933	24,0	23,0	200,0	16,3	42,0	29,0	25,0	0,6	275,0	16
PNR0032S16AHDJET	03006934	30,0	31,0	250,0	19,8	42,0	36,0	32,0	1,2	275,0	16
PNL0032S16AHDJET	03006935	30,0	31,0	250,0	19,8	42,0	36,0	32,0	1,5	275,0	16
PNR0040T16AHDJET	03006936	38,5	37,0	300,0	23,8	45,0	44,0	40,0	2,2	275,0	16
PNR0050U16AHDJET	03006937	47,0	48,5	350,0	28,8	52,0	54,0	50,0	4,5	275,0	16
PNR0025R22AHDJET	03006945	23,0	24,0	200,0	17,8	42,0	30,0	25,0	0,7	275,0	22
PNL0025R22AHDJET	03006946	23,0	24,0	200,0	17,8	42,0	30,0	25,0	0,7	275,0	22
PNR0032S22AHDJET	03006947	30,0	31,0	250,0	21,3	42,0	38,0	32,0	1,5	275,0	22
PNL0032S22AHDJET	03006948	30,0	31,0	250,0	21,3	42,0	38,0	32,0	1,5	275,0	22
PNR0040T22AHDJET	03006949	37,0	38,5	300,0	25,3	42,0	46,0	40,0	2,9	275,0	22
PNL0040T22AHDJET	03006950	37,0	38,5	300,0	25,3	42,0	46,0	40,0	2,6	275,0	22
PNR0050U22AHDJET	03006951	47,0	48,5	350,0	30,3	48,0	56,0	50,0	4,9	275,0	22
PNR0040T27AHDJET	03006955	37,0	38,5	300,0	26,8	62,0	48,0	40,0	2,8	275,0	27
PNR0050U27AHDJET	03006956	47,0	48,5	350,0	31,8	62,0	58,0	50,0	4,3	275,0	27
PNR0063V27AHDJET	03006957	60,0	61,5	400,0	38,3	62,0	70,0	63,0	8,9	275,0	27

Parti di ricambio, comprese nella fornitura

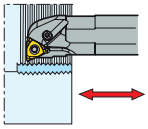
Per attacco	Leva	Supporto inserto (S)	Vite leva	Chiave di bloccaggio	Perno
...20...	PP3712	GXA16-1	LS0610-T15P	T15P-7	AC4625
...25/32/40/50...	PP3712	GXA16-1	LS0612-T15P	T15P-7	AC4625
...22...	PP4816	NXA22-1	LS0815-T25P	T25P-7	AC5035
...27...	PP6019	VXA27-1	LS0820-T25P	T25P-7	AC6050

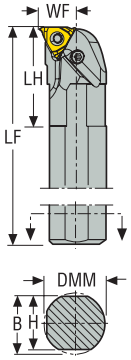
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)
...20...	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–
...25/32/40/50...	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–
...22...	MXA22-1	NXA22-0	NXA22-98	NXA22-97.5	NXA22-0.5	NXA22-1.5	NXA22-2	NXA22-4	NXA22-99.5	NXA22-99	NXA22-98.5
...27...	MXA27-1	VXA27-0	VXA27-98	–	VXA27-0.5	VXA27-1.5	VXA27-2	VXA27-4	VXA27-99.5	VXA27-99	VXA27-98.5

Jetstream Tooling® – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 173
- CP* Max pressione refrigerante (bar) con raccordo, altrimenti in base all'adattatore lato macchina

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	DCINN	DMM	Peso	CP	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	psi	
PNR00075716AHDJET	03006939	0.700	0.650	7.000	0.520	1.654	0.950	0.750	0.660	10.827	16
PNL00075716AHDJET	03006940	0.700	0.650	7.000	0.520	1.654	0.950	0.750	1.100	10.827	16
PNR00100816AHDJET	03006941	0.951	0.902	8.000	0.650	1.654	1.150	1.000	1.540	10.827	16
PNL00100816AHDJET	03006942	0.951	0.902	8.000	0.650	1.654	1.150	1.000	1.540	10.827	16
PNR001251016AHDJET	03006943	1.200	1.150	10.000	0.780	1.654	1.404	1.250	3.090	10.827	16
PNR001501216AHDJET	03006944	1.339	1.419	12.000	0.900	1.654	1.700	1.500	5.290	10.827	16
PNR00100822AHDJET	03006952	0.902	0.951	8.000	0.710	1.654	1.181	1.000	1.980	10.827	22
PNR001251022AHDJET	03006953	1.200	1.150	10.000	0.840	1.654	1.500	1.250	1.320	10.827	22
PNR001501222AHDJET	03006954	1.339	1.419	12.000	0.970	1.654	1.800	1.500	5.290	10.827	22
PNR001501227AHDJET	03006958	1.339	1.419	12.000	1.020	2.441	1.890	1.500	5.290	10.827	27

Parti di ricambio, comprese nella fornitura

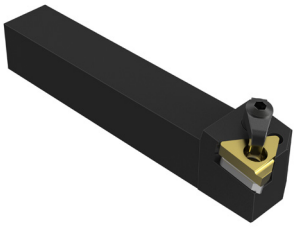
Per attacco	Leva	Supporto inserto (S)	Vite leva	Chiave di bloccaggio	Perno
PNR/L000757..	PP3712	GXA16-1	LS0610-T15P	T15P-7	AC4625
..16AHDJET	PP3712	GXA16-1	LS0612-T15P	T15P-7	AC4625
..22AHDJET	PP4816	NXA22-1	LS0815-T25P	T25P-7	AC5035
..27AHDJET	PP6019	VXA27-1	LS0820-T25P	T25P-7	AC6050

Accessori

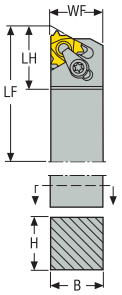
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)
PNR/L000757..	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–
..16AHDJET	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–
..22AHDJET	MXA22-1	NXA22-0	NXA22-98	NXA22-97.5	NXA22-0.5	NXA22-1.5	NXA22-2	NXA22-4	NXA22-99.5	NXA22-99	NXA22-98.5
..27AHDJET	MXA27-1	VXA27-0	VXA27-98	–	VXA27-0.5	VXA27-1.5	VXA27-2	VXA27-4	VXA27-99.5	VXA27-99	VXA27-98.5

Utensili, per lavorazioni esterne

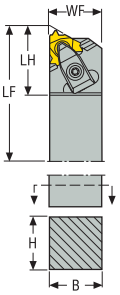
Per inserti tipo S, Snap-Tap®

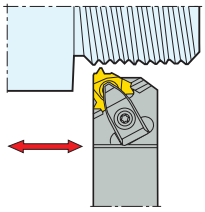


CER/L



CER/L..HD

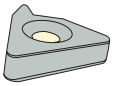




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		mm	mm	mm	mm	mm	kg	
CER1616H16	02454783	16,0	16,0	100,0	16,0	22,0	0,2	16
CER2020K16HD	02475454	20,0	20,0	125,0	20,0	32,0	0,4	16
CER2525M16HD	02457882	25,0	25,0	150,0	25,0	32,0	0,8	16
CER4040R16HD	02853574	40,0	40,0	200,0	40,0	37,0	2,5	16
CEL1616H16	02454781	16,0	16,0	100,0	16,0	22,0	0,2	16
CEL2020K16HD	02475482	20,0	20,0	125,0	20,0	32,0	0,4	16
CEL2525M16HD	02457885	25,0	25,0	150,0	25,0	32,0	0,8	16
CER2525M22HD	02457888	25,0	25,0	150,0	25,0	38,0	0,8	22
CER4040R22HD	02853575	40,0	40,0	200,0	40,0	42,0	2,5	22
CEL2525M22HD	02457890	25,0	25,0	150,0	25,0	38,0	0,8	22
CER4040R27HD	02853576	40,0	40,0	200,0	40,0	48,0	2,5	27

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...16	–	T15P-2	CSP16-T15P	–	GX16-1	CS3507-T09P	–
...16HD	CHD16	T15P-7	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
...22HD	CHD22	T20P-7L	–	L86025-T20P	NX22-1	CS4009-T15P	S7616
...27HD	CHD27	T20P-7L	–	L86025-T20P	VX27-1	C05012-T15P	S7616

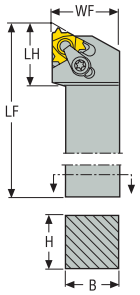
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22HD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27HD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

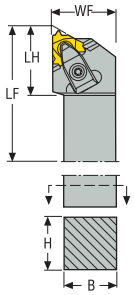
Utensili, per lavorazioni esterne

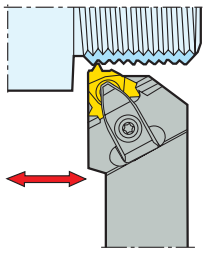
Per inserti tipo S, Snap-Tap®

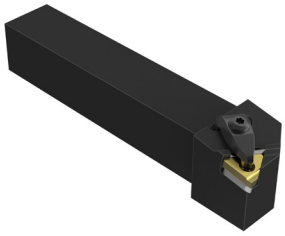
CER/L..Q



CER/L..QHD



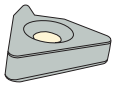




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER03753-16Q	00072538	0.375	0.375	3.000	0.375	0.900	0.440	16ER...
CER06254-16Q	00072498	0.625	0.625	4.000	0.750	0.900	0.660	16ER...
CEL06254-16Q	00072544	0.625	0.625	4.000	0.750	0.900	0.660	16EL...
CER0504-16Q	00072524	0.500	0.500	4.000	0.625	0.900	0.440	16ER...
CEL0504-16Q	00072466	0.500	0.500	4.000	0.625	0.900	0.440	16ER...
CEL0755-16HD	02483997	0.750	0.750	5.000	1.000	0.900	1.100	16EL...
CER0755-16HD	02483996	0.750	0.750	5.000	1.000	0.900	0.880	16ER...
CER1006-16QHD	02462821	1.000	1.000	6.000	1.250	1.100	1.980	16ER...
CEL1006-16QHD	02462852	1.000	1.000	6.000	1.250	1.100	1.980	16EL...
CER1256-16QHD	02462823	1.250	1.250	6.000	1.500	1.181	3.090	16ER...
CEL1256-16QHD	02462853	1.250	1.250	6.000	1.500	1.100	3.090	16EL...
CER1506-16QHD	02462825	1.500	1.500	6.000	1.750	1.100	3.970	16ER...

Parti di ricambio, comprese nella fornitura

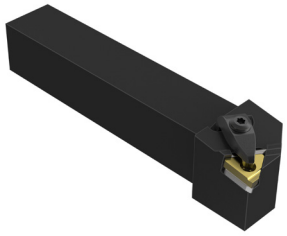
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
CER/L 3753..0504..	–	T15P-2	CSP16-T15P	–	GX16-1	CS3507-T09P	–
CER 06254..	–	T15P-2	CSP16-T15P	–	GX16-1	CS3507-T09P	–
CEL 06254..	–	T15P-2	CSP16-T15P	–	GX16-1	CS3507-T09P	–
CER/L 0755..1006..	CHD16	T15P-7	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
CER/L 1256..1506..	CHD16	T15P-7	–	L85020-T15P	GX16-1	CS3507-T09P	S6912

Accessori

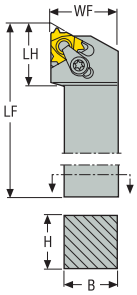
Per attacco	Supporto inserto (K)	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CER/L 3753..0504..	–	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CER 06254..	GX16-2	MX16-1	GX16-0	–	GX16-3	GX16-4	GX16-99	T09P-2
CEL 06254..	–	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CER/L 0755..1006..	–	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CER/L 1256..1506..	–	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2

Utensili, per lavorazioni esterne

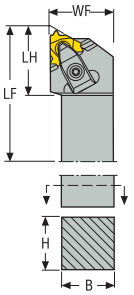
Per inserti tipo S, Snap-Tap®

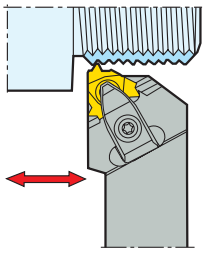


CER/L...Q



CER/L...QHD

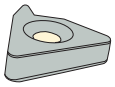




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		mm	mm	mm	mm	mm	kg	
CER1212H16Q	75025274	12,0	12,0	100,0	16,0	22,0	0,2	16
CER1616H16Q	75025276	16,0	16,0	100,0	20,0	22,0	0,3	16
CER2020K16QHD	02475493	20,0	20,0	125,0	25,0	32,0	0,5	16
CER2525M16QHD	00016769	25,0	25,0	150,0	32,0	32,0	0,8	16
CER3225P16QHD	00016771	32,0	25,0	170,0	32,0	32,0	1,1	16
CER3232P16QHD	00016776	32,0	32,0	170,0	40,0	32,0	1,4	16
CEL1212H16Q	75025275	12,0	12,0	100,0	16,0	22,0	0,2	16
CEL1616H16Q	75025277	16,0	16,0	100,0	20,0	22,0	0,2	16
CEL2020K16QHD	02475514	20,0	20,0	125,0	25,0	32,0	0,5	16
CEL2525M16QHD	00016766	25,0	25,0	150,0	32,0	32,0	0,8	16
CEL3225P16QHD	00016770	32,0	25,0	170,0	32,0	32,0	1,1	16
CEL3232P16QHD	00016774	32,0	32,0	170,0	40,0	32,0	1,4	16
CER2525M22QHD	00016781	25,0	25,0	150,0	32,0	38,0	0,8	22
CER3225P22QHD	00016783	32,0	25,0	170,0	32,0	38,0	1,2	22
CER3232P22QHD	00016788	32,0	32,0	170,0	40,0	38,0	1,4	22
CEL2525M22QHD	00016777	25,0	25,0	150,0	32,0	38,0	0,8	22
CEL3225P22QHD	00016782	32,0	25,0	170,0	32,0	38,0	1,1	22
CEL3232P22QHD	00016785	32,0	32,0	170,0	40,0	38,0	1,4	22
CER2525M27QHD	00016800	25,0	25,0	150,0	32,0	46,0	0,8	27
CER3225P27QHD	00016857	32,0	25,0	170,0	32,0	46,0	1,2	27
CER3232P27QHD	00016878	32,0	32,0	170,0	40,0	46,0	1,5	27
CEL2525M27QHD	00016791	25,0	25,0	150,0	32,0	46,0	0,8	27
CEL3225P27QHD	00016830	32,0	25,0	170,0	32,0	46,0	1,2	27
CEL3232P27QHD	00016864	32,0	32,0	170,0	40,0	46,0	1,5	27

Parti di ricambio, comprese nella fornitura

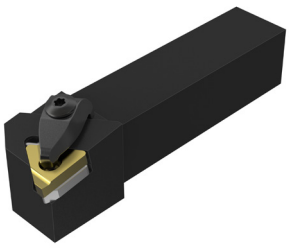
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...16Q	–	T15P-2	CSP16-T15P	–	GX16-1	CS3507-T09P	–
...16QHD	CHD16	T15P-7	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
...22QHD	CHD22	T20P-7L	–	L86025-T20P	NX22-1	CS4009-T15P	S7616
...27QHD	CHD27	T20P-7L	–	L86025-T20P	VX27-1	C05012-T15P	S7616

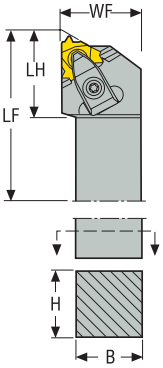
Accessori

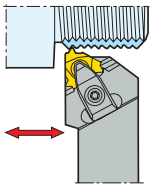
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16Q	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...16QHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22QHD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27QHD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®



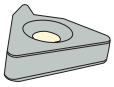




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER1005-22QHD	02462826	1.000	1.000	5.000	1.250	1.300	0.220	22ER...
CEL1005-22QHD	02462854	1.000	1.000	5.000	1.250	1.300	1.760	22EL...
CER1006-22QHD	02462827	1.000	1.000	6.000	1.250	1.300	1.980	22ER...
CEL1006-22QHD	02462856	1.000	1.000	6.000	1.250	1.300	2.200	22EL...
CER1256-22QHD	02462829	1.250	1.250	6.000	1.500	1.417	2.870	22ER...
CEL1256-22QHD	02462857	1.250	1.250	6.000	1.500	1.300	3.090	22EL...
CER1506-22QHD	02462831	1.500	1.500	6.000	1.750	1.300	4.190	22ER...

Parti di ricambio, comprese nella fornitura

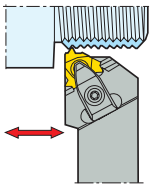
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
						
CER/L..22..	CHD22	T20P-7L	L86025-T20P	NX22-1	CS4009-T15P	S7616

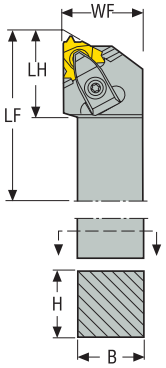
Accessori

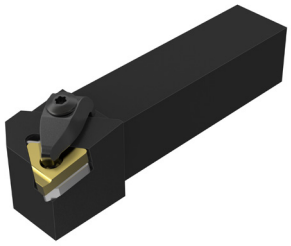
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CER/L..22..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2

Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®



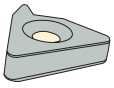




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER1006-27QHD	02462835	1.000	1.000	6.000	1.250	1.600	2.200	27ER...
CEL1006-27QHD	02462859	1.000	1.000	6.000	1.250	2.000	2.200	27EL...
CER1256-27QHD	02462837	1.250	1.250	6.000	1.500	1.732	3.090	27ER...
CEL1256-27QHD	02462861	1.250	1.250	6.000	1.500	1.600	2.870	27EL...
CER1506-27QHD	02462839	1.500	1.500	6.000	1.750	1.600	4.190	27ER...
CEL1506-27QHD	02462863	1.500	1.500	6.000	1.750	1.600	4.190	27EL...

Parti di ricambio, comprese nella fornitura

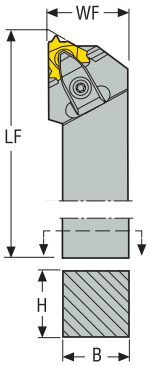
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
						
CER 1006-27	CHD27	T20P-7L	L86025-T20P	VX27-1	C05012-T15P	S7616
CEL 1006-27..	CHD27	T20P-7L	L86025-T20P	VX27-1	C05012-T15P	S7616
CER/L 1256-27	CHD27	T20P-7L	L86025-T20P	VX27-1	C05012-T15P	S7616
CER 1506-27..	CHD27	T20P-7L	L86025-T20P	VX27-1	C05012-T15P	S7616
CEL 1506-27	CHD27	T20P-7L	L86025-T20P	VX27-1	C05012-T15P	S7616

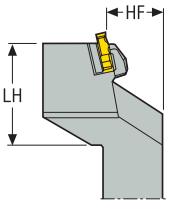
Accessori

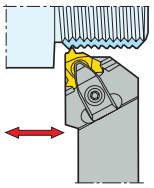
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CER 1006-27	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2
CEL 1006-27..	MX27-1	VX27-98.5	–	VX27-0.5	VX27-1.5	VX27-98	VX27-3	VX27-4	VX27-0	VX27-2	T15P-2
CER/L 1256-27	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2
CER 1506-27..	MX27-1	VX27-99.5	VX27-2	–	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2
CEL 1506-27	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®



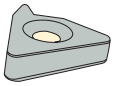




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 148, 149, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176

Codice di ordinazione	Codice prodotto	H	B	LF	HF	WF	LH	Peso	CTWS
		mm	mm	mm	mm	mm	mm	kg	
CER2525M16CQHD	02457892	25,0	25,0	150,0	25,0	32,0	45,0	0,9	16
CER3232P16CQHD	02457893	32,0	32,0	170,0	32,0	40,0	45,0	1,5	16
CER2525M22CQHD	02457895	25,0	25,0	150,0	25,0	32,0	50,0	0,9	22
CER3232P22CQHD	02457897	32,0	32,0	170,0	32,0	40,0	50,0	1,5	22

Parti di ricambio, comprese nella fornitura

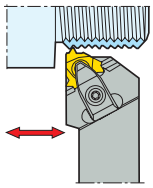
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
						
..16CQHD	CHD16	T15P-7	L85020-T15P	GX16-1	CS3507-T09P	S6912
..22CQHD	CHD22	T20P-7L	L86025-T20P	NX22-1	CS4009-T15P	S7616

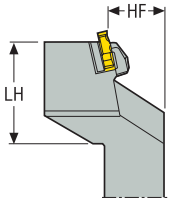
Accessori

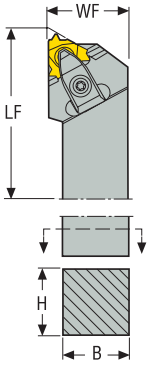
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
..16CQHD	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
..22CQHD	MX22-1	NX22-0	NX22-2	NX22-3	NX22-4	NX22-99	T15P-2

Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®



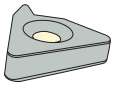




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 148, 149, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	HF	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER1006-16CQHD	02467118	1.000	1.000	6.000	1.250	2.000	1.000	1.540	16ER..
CEL1006-16CQHD	02462864	1.000	1.000	6.000	1.250	2.000	1.000	1.540	16EL..
CER1256-16CQHD	02462840	1.250	1.250	6.000	1.250	2.500	1.250	3.090	16ER..
CER1006-22CQHD	02462842	1.000	1.000	6.000	1.250	2.000	1.000	2.200	22ER..
CER1006-27CQHD	02462847	1.000	1.000	6.000	1.250	2.000	1.000	2.200	27ER..

Parti di ricambio, comprese nella fornitura

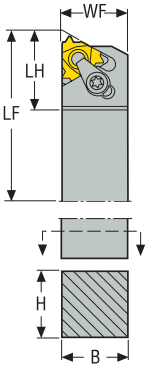
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Vite	Vite supporto	Molla
							
CER 1006-16..	CHD16	T15P-7	L85020-T15P	GX16-1	–	CS3507-T09P	S6912
CEL 1006-16..	CHD16	T15P-7	L85020-T15P	GX16-1	–	CS3507-T09P	S6912
CER 1256-16..	CHD16	T15P-7	L85020-T15P	GX16-1	–	CS3507-T09P	S6912
..22CQHD	CHD22	T20P-7L	L86025-T20P	NX22-1	S7616	CS4009-T15P	–
..27CQHD	CHD27	T20P-7L	L86025-T20P	VX27-1	–	C05012-T15P	S7616

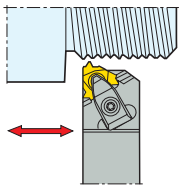
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CER 1006-16..	MX16-1	GX16-99	–	–	–	–	–	–	–	–	–	–	T09P-2
CEL 1006-16..	MX16-1	–	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
CER 1256-16..	MX16-1	–	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
..22CQHD	MX22-1	–	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
..27CQHD	MX27-1	–	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Utensili, per lavorazioni esterne

Per inserti tipo S, Snap-Tap®

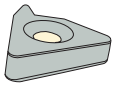




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 170

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER0505-16Q-S	02508066	0.500	0.500	5.000	0.630	0.840	0.440	16ER..
CER06255-16Q-S	02508068	0.625	0.625	5.000	0.750	0.840	0.880	16ER..

Parti di ricambio, comprese nella fornitura

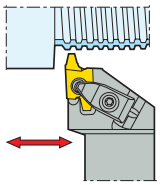
Per attacco	Chiave per vite staffa	Kit di bloccaggio	Supporto inserto (S)	Vite supporto
				
..16Q-S	T15P-2	CSP16-T15P	GX16-1	CS3507-T09P

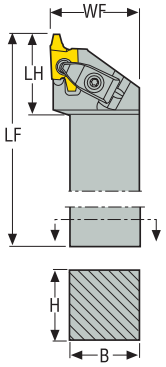
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
..16Q-S	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2

Utensili, per lavorazioni esterne

Per inserti tipo K, Snap-Tap®

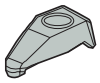
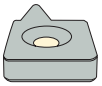




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 160, 162, 164

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		mm	mm	mm	mm	mm	kg	
CER2525M20QHD	02528502	25,0	25,0	150,0	32,0	34,0	0,8	20
CER3225P20QHD	02528504	32,0	25,0	170,0	32,0	34,0	1,1	20
CER3232P20QHD	02528507	32,0	32,0	170,0	40,0	34,0	1,4	20
CER4040R20HD	02853577	40,0	40,0	200,0	42,0	35,0	2,6	20
CEL2525M20QHD	02528503	25,0	25,0	150,0	32,0	34,0	0,8	20
CEL3225P20QHD	02528505	32,0	25,0	170,0	32,0	34,0	1,1	20
CEL3232P20QHD	02528508	32,0	32,0	170,0	40,0	34,0	1,4	20
CER2525M26QHD	02528509	25,0	25,0	150,0	40,0	44,0	0,9	26
CER3225P26QHD	02528512	32,0	25,0	170,0	40,0	44,0	1,2	26
CER3232P26QHD	02528516	32,0	32,0	170,0	40,0	44,0	1,4	26
CER4040R26HD	02853578	40,0	40,0	200,0	42,0	45,0	2,5	26
CEL2525M26QHD	02528511	25,0	25,0	150,0	40,0	44,0	0,9	26
CEL3225P26QHD	02528513	32,0	25,0	170,0	40,0	44,0	1,2	26
CEL3232P26QHD	02528517	32,0	32,0	170,0	40,0	44,0	1,4	26

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (K)	Vite supporto	Molla
						
..20	CHD22	T20P-7	L86025-T20P	KX20-2	CS4009-T15P	S7616
...20	CHD22	T20P-7	L86025-T20P	KX20-2	CS4009-T15P	S7616
..26	CHD27	T20P-7	L86025-T20P	KX26-2	C05012-T15P	S7616
...26	CHD27	T20P-7	L86025-T20P	KX26-2	C05012-T15P	S7616

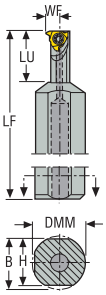
Accessori

Per attacco	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Chiave per vite supporto
..20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
...20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
..26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2
...26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2

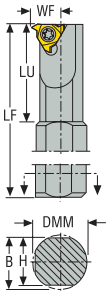
Utensili, per lavorazioni interne

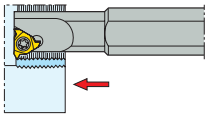
Per inserti tipo S, Snap-Tap®

SNR...09A



SNR/L





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LU	DCINN	DCINN2	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	
SNR0020L09A	75069222	18,0	19,0	140,0	5,1	20,0	10,2	–	0,3	09
SNR0010H11	75029184	–	9,5	100,0	7,5	–	13,0	11,0	0,1	11
SNR0010K11	75025251	14,0	15,5	125,0	6,5	30,0	12,0	11,0	0,2	11
SNR0013L11	75025249	14,0	15,5	140,0	8,0	32,0	15,0	13,0	0,2	11
SNL0010H11	75025415	–	9,5	100,0	7,5	–	13,0	11,0	0,1	11
SNL0010K11	75025250	14,0	15,5	125,0	6,5	30,0	12,0	11,0	0,2	11
SNL0013L11	75025248	14,0	15,5	140,0	8,0	32,0	15,0	13,0	0,2	11
SNR0016M16	75025244	14,0	15,5	150,0	10,3	40,0	19,0	16,0	0,3	16
SNL0016M16	75025243	14,0	15,5	150,0	10,3	40,0	19,0	16,0	0,3	16
SNR0020Q22	75025414	18,0	19,0	180,0	13,0	45,0	24,0	22,0	0,4	22
SNL0020Q22	75025416	18,0	19,0	180,0	13,0	45,0	24,0	22,0	0,4	22

Parti di ricambio, comprese nella fornitura

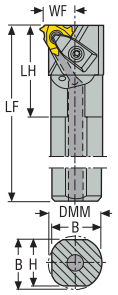
Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
...09A	T07P-2	C02205-T07P
...11	T07P-2	C02506-T07P
...16	T15P-2	C03508-T15P
...22	T15P-2	C04011-T15P

DCINN2, modificato. Vedere pagina 36

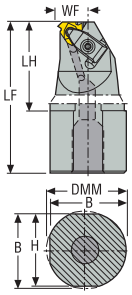
Utensili, per lavorazioni interne

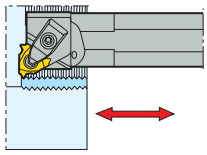
Per inserti tipo S, Snap-Tap®

CNR/L...AHD



CNR/L...APIHD

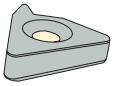




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	DMM	DCINN	DCINN2	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CNR0020P16AHD	02555888	18,0	19,0	170,0	13,8	41,0	20,0	24,0	–	0,4	16..
CNR0025R16AHD	02555891	23,0	24,0	200,0	16,3	40,0	25,0	29,0	26,0	0,8	16..
CNR0032S16AHD	02555895	30,0	31,0	250,0	19,8	47,0	32,0	36,0	32,0	1,4	16..
CNR0040T16AHD	02555900	37,0	38,5	300,0	23,8	47,0	40,0	44,0	40,0	2,6	16..
CNR0050U16AHD	02555906	47,0	48,5	350,0	28,8	45,0	50,0	54,0	50,0	4,8	16..
CNL0020P16AHD	02555907	18,0	19,0	171,0	11,78	41,0	20,0	24,0	–	0,4	16..
CNL0025R16AHD	02555908	23,0	24,0	171,0	11,78	40,0	25,0	29,0	26,0	0,7	16..
CNL0032S16AHD	02555909	30,0	31,0	250,0	19,8	47,0	32,0	36,0	32,0	1,4	16..
CNL0040T16AHD	02555910	37,0	38,5	300,0	23,8	47,0	40,0	44,0	40,0	2,6	16..
CNR0025R22AHD	02555913	23,0	24,0	200,0	17,8	45,0	25,0	30,0	–	0,7	22..
CNR0032S22AHD	02555919	30,0	31,0	250,0	21,3	46,0	32,0	38,0	32,0	1,5	22..
CNR0040T22AHD	02556097	37,0	38,5	300,0	25,3	53,0	40,0	46,0	40,0	2,6	22..
CNR0050U22AHD	02556101	47,0	48,5	350,0	30,3	51,0	50,0	56,0	50,0	4,8	22..
CNR0063V22AHD	02556102	60,0	61,5	400,0	36,8	56,0	63,0	69,0	63,0	9,0	22..
CNL0025R22AHD	02556104	23,0	24,0	200,0	17,8	45,0	25,0	30,0	–	0,7	22..
CNL0032S22AHD	02556106	30,0	31,0	250,0	21,3	46,0	32,0	38,0	32,0	1,4	22..
CNL0040T22AHD	02556107	37,0	38,5	300,0	25,3	53,0	40,0	46,0	40,0	2,6	22..
CNL0050U22AHD	02556108	47,0	48,5	350,0	30,3	51,0	50,0	56,0	50,0	4,8	22..
CNR0050T22APIHD	02556244	47,0	48,5	300,0	20,5	114,0	50,0	49,0	–	3,7	22..
CNR0063T22APIHD	02817098	60,0	61,5	300,0	22,6	119,0	63,0	50,5	–	5,4	22..
CNL0063T22APIHD	02817100	60,0	61,5	300,0	22,6	119,0	63,0	50,5	–	5,4	22..
CNR0040T27AHD	02556109	37,0	38,5	300,0	26,8	62,0	40,0	48,0	44,0	2,6	27..
CNR0050U27AHD	02556110	47,0	48,5	350,0	31,8	61,0	50,0	58,0	50,0	4,8	27..
CNR0063V27AHD	02556120	60,0	61,5	400,0	38,3	70,0	63,0	70,0	63,0	8,9	27..
CNL0040T27AHD	02556122	37,0	38,5	300,0	26,8	62,0	40,0	48,0	44,0	2,6	27..
CNL0050U27AHD	02556130	47,0	48,5	350,0	31,8	61,0	50,0	58,0	50,0	4,8	27..
CNR0063T27APIHD	02817102	60,0	61,5	300,0	23,1	119,0	63,0	50,5	–	5,6	27..
CNL0063T27APIHD	02817105	60,0	61,5	300,0	23,1	119,0	63,0	50,5	–	5,4	27..

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Grano	Vite supporto	Molla
								
..P, ..R16AHD	–	T15P-2	CSP16HD-T15P	–	GX16-1	P6SS4X4G	CS3507-T09P	–
..S, ..T, ..U16AHD	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
...R22, ...S22	–	T15P-2	CSP22HD-T15P	–	NX22-1	P6SS4X4G	CS4009-T15P	–
...T22, ...U22, ...V22	CHD22	T20P-7L	–	L86025-T20P	NX22-1	P6SS4X4G	CS4009-T15P	S7616
..27..	CHD27	T20P-7L	–	L86025-T20P	VX27-1	P6SS4X4G	C05012-T15P	S7616

Accessori

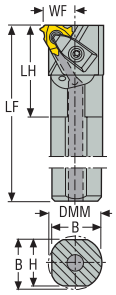
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
..P, ..R16AHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
..S, ..T, ..U16AHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...R22, ...S22	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	–
...T22, ...U22, ...V22	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
..27..	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

DCINN2, modificato. Vedere pagina 36

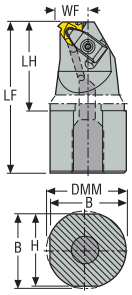
Utensili, per lavorazioni interne

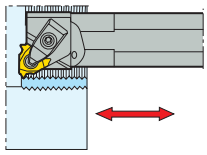
Per inserti tipo S, Snap-Tap®

CNR/L...AHD



CNR/L...APIHD

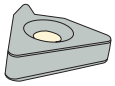




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	DMM	H	B	LF	WF	LH	DCINN	DCINN2	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CNR000757-16AHD	02562574	0.750	0.650	0.707	6.693	0.520	1.181	0.950	0.800	0.880	16..
CNL000757-16AHD	02562790	0.750	0.650	0.707	6.693	0.520	1.181	0.950	0.800	0.880	16..
CNR001008-16AHD	02562785	1.000	0.902	0.957	7.874	0.650	2.126	1.150	1.000	1.540	16..
CNL001008-16AHD	02562791	1.000	0.902	0.957	7.874	0.650	2.126	1.150	1.000	1.540	16..
CNR0012510-16AHD	02562786	1.250	1.150	1.209	9.843	0.780	1.811	1.400	1.200	3.090	16..
CNL0012510-16AHD	02562792	1.250	1.150	1.209	9.843	0.780	1.811	1.400	1.200	3.090	16..
CNR0015012-16AHD	02562787	1.500	1.339	1.427	11.811	0.898	1.811	1.700	1.500	5.070	16..
CNL0015012-16AHD	02562793	1.500	1.339	1.427	11.811	0.898	1.811	1.700	1.500	5.070	16..
CNR0017514-16AHD	02562788	1.750	1.591	1.677	13.780	1.028	2.165	2.000	1.800	8.160	16..
CNL0017514-16AHD	02562794	1.750	1.591	1.677	13.780	1.028	2.165	2.000	1.800	8.160	16..
CNR0020014-16AHD	02562789	2.000	1.843	1.929	13.780	1.150	2.244	2.200	2.000	10.800	16..
CNL0020014-16AHD	02562795	2.000	1.843	1.929	13.780	1.150	2.244	2.200	2.000	10.800	16..

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Grano	Vite supporto	Molla
								
CNR/L..0757..1008..	–	T15P-2	CSP16HD-T15P	–	GX16-1	P6SS4X4G	CS3507-T09P	–
CNR..2510..	CHD16	T15P-7	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNL..2510..	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNR..5012..	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNL..5012..	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNR..7514..	CHD16	–	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNL..7514..	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912
CNR/L..0014..	CHD16	T15P-2	–	L85020-T15P	GX16-1	P6SS4X4G	CS3507-T09P	S6912

Accessori

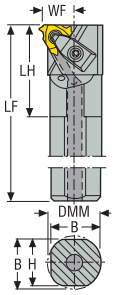
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CNR/L..0757..1008..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNR..2510..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNL..2510..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNR..5012..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNL..5012..	MX16-1	GX16-0	GX16-2	GX16-4	GX16-98	GX16-99	T09P-2
CNR..7514..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNL..7514..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
CNR/L..0014..	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2

DCINN2, modificato. Vedere pagina 36

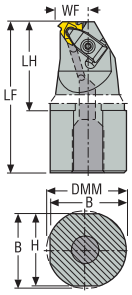
Utensili, per lavorazioni interne

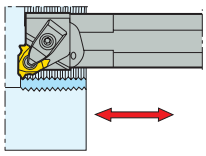
Per inserti tipo S, Snap-Tap®

CNR/L...AHD



CNR/L...APIHD

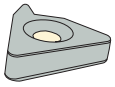




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	DMM	H	B	LF	WF	LH	DCINN	DCINN2	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CNR001008-22AHD	02562797	1.000	0.902	0.957	7.917	0.709	1.736	1.200	1.000	2.870	22..
CNL001008-22AHD	02562803	1.000	0.902	0.957	7.917	0.709	1.736	1.200	1.000	1.760	22..
CNR0012510-22AHD	02562798	1.250	1.150	1.209	9.843	0.839	2.126	1.500	1.200	3.090	22..
CNL0012510-22AHD	02562804	1.250	1.150	1.209	9.843	0.839	2.126	1.500	1.200	3.090	22..
CNR0015012-22AHD	02562799	1.500	1.339	1.427	11.811	0.969	2.126	1.800	1.800	5.070	22..
CNL0015012-22AHD	02562805	1.500	1.339	1.427	11.811	1.183	2.126	1.800	1.800	5.290	22..
CNR0017514-22AHD	02562800	1.750	1.591	1.677	13.780	1.091	2.126	2.100	1.800	8.160	22..
CNL0017514-22AHD	02562806	1.750	1.591	1.677	13.780	1.091	2.126	2.100	1.800	8.380	22..
CNR0020014-22AHD	02562801	2.000	1.843	1.929	13.780	1.209	2.323	2.300	2.000	11.020	22..
CNL0020014-22AHD	02562807	2.000	1.843	1.929	13.780	1.209	2.323	2.300	2.000	11.020	22..
CNR0025016-22AHD	02562802	2.500	2.343	2.429	15.748	1.457	2.402	2.800	2.500	20.280	22..
CNL0025016-22AHD	02562808	2.500	2.343	2.429	15.748	1.457	2.402	2.800	2.500	20.060	22..
CNR00200T22APIHD	02562815	2.000	1.843	1.929	12.000	0.880	5.000	1.600	–	8.380	22..
CNR00250T22APIHD	02562816	2.500	2.343	2.429	12.000	0.880	5.000	1.600	–	11.900	22..

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Grano	Chiave per vite supporto/staffa	Vite supporto	Molla
									
CNR..1008..2510..	–	–	CSP22HD-T15P	–	NX22-1	P6SS4X4G	T15P-2	CS4009-T15P	–
CNL..1008..2510..	–	T15P-2	CSP22HD-T15P	–	NX22-1	P6SS4X4G	–	CS4009-T15P	–
CNR/L..5012..5016..	CHD22	T20P-7L	–	L86025-T20P	NX22-1	P6SS4X4G	–	CS4009-T15P	S7616
CNR..200..250T..	CHD22	T20P-7L	–	L86025-T20P	NX22-1	P6SS4X4G	–	CS4009-T15P	S7616

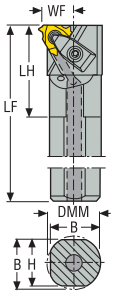
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CNR..1008..2510..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	–
CNL..1008..2510..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	–
CNR/L..5012..5016..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
CNR..200..250T..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2

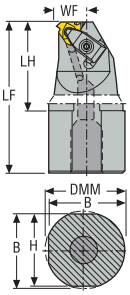
Utensili, per lavorazioni interne

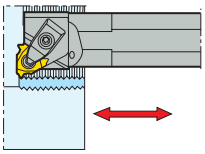
Per inserti tipo S, Snap-Tap®

CNR/L...AHD



CNR/L...APIHD

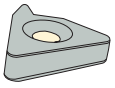




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	DMM	H	B	LF	WF	LH	DCINN	DCINN2	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CNR0015012-27AHD	02562809	1.500	1.339	1.427	11.811	1.020	2.441	1.900	1.500	5.290	27..
CNL0015012-27AHD	02562812	1.500	1.339	1.427	11.811	1.020	2.441	1.900	1.500	5.290	27..
CNR0017514-27AHD	02562810	1.750	1.591	1.677	13.780	1.150	2.402	2.200	1.800	8.380	27..
CNL0017514-27AHD	02562813	1.750	1.591	1.677	13.780	1.150	2.402	2.200	1.800	8.380	27..
CNR0020014-27HD	02790281	2.000	1.843	1.929	13.780	1.346	2.283	2.362	2.000	11.460	27..
CNR0025016-27AHD	02562811	2.500	2.343	2.429	15.748	1.520	2.756	2.900	2.500	20.060	27..
CNL0025016-27AHD	02562814	2.500	2.343	2.429	15.748	1.520	2.756	2.900	2.500	20.280	27..
CNR00200T27APIHD	02562819	2.000	1.843	1.929	12.000	0.900	5.000	1.600	1.600	8.380	27...
CNR00250T27APIHD	02562820	2.500	2.343	2.429	12.000	0.900	5.000	1.600	1.600	12.130	27...

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Grano	Vite supporto	Molla
							
CNR/L..15012-25016..	CHD27	T20P-7L	L86025-T20P	VX27-1	P6SS4X4G	C05012-T15P	S7616
CNR..200..250T..	CHD27	T20P-7	L86025-T20P	VX27-1	P6SS4X4G	C05012-T15P	S7616

Accessori

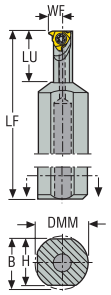
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
CNR/L..15012-25016..	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2
CNR..200..250T..	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

DCINN2, modificato. Vedere pagina 36

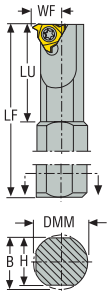
Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®

SNR...09A



SNR/L



- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

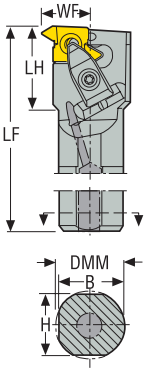
Codice di ordinazione	Codice prodotto	DMM	H	B	LF	WF	LU	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
SNR000750-55-09A	00086856	0.750	0.691	0.707	5.500	0.201	–	0.660	09NR..
SNR000375-40-11	00072380	0.375	0.336	0.350	4.000	0.285	–	0.220	11NR..
SNL00037540-11	00072403	0.375	0.336	0.350	4.000	0.285	–	0.220	11NL..
SNR00062555-11	00072332	0.625	0.441	0.470	5.500	0.315	1.250	0.660	11NR..
SNL00062555-11	00072405	0.625	0.441	0.470	5.500	0.315	–	0.660	11NL..
SNR000375-60-11H	00072376	0.375	0.336	0.350	6.000	0.285	–	0.440	11NR..
SNR000625-60-16	00072374	0.625	0.566	0.587	6.000	0.406	–	0.660	16NR..
SNL00062560-16	00072407	0.625	0.566	0.587	6.000	0.406	–	0.660	16NL..
SNR000625-80-16H	00072330	0.625	0.566	0.587	8.000	0.406	–	1.540	16NR..
SNR00075-70-22	00072314	0.750	0.691	0.707	7.000	0.492	–	1.100	22NR..
SNL0007570-22	00072411	0.750	0.691	0.707	7.000	0.492	–	0.880	22NL..
SNR000750-10-22H	00072370	0.750	0.691	0.707	10.000	0.492	–	2.650	22NR..

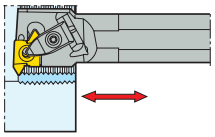
Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
..09	T07P-2	C02205-T07P
..11	T07P-2	C02506-T07P
..16	T15P-2	C03508-T15P
..22	T15P-2	C04011-T15P

Utensili, per lavorazioni interne

Per inserti tipo K, Snap-Tap®

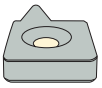




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 161, 163, 165

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	DMM	DCINN	DCINN2	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CNR0025R20AHD	02556131	23,0	24,0	200,0	20,5	50,0	25,0	38,0	–	0,7	20
CNR0032S20AHD	02556132	30,0	31,0	250,0	24,0	50,0	32,0	44,0	38,0	1,5	20
CNR0040T20AHD	02556133	37,0	38,5	300,0	28,0	50,0	40,0	51,0	40,0	2,6	20
CNL0025R20AHD	02556134	23,0	24,0	200,0	20,5	50,0	25,0	38,0	–	0,7	20
CNL0032S20AHD	02556135	30,0	31,0	250,0	24,0	50,0	32,0	44,0	38,0	1,4	20
CNR0032S26AHD	02556136	30,0	31,0	250,0	27,0	61,0	32,0	50,0	50,0	1,5	26
CNR0040T26AHD	02556137	37,0	38,5	300,0	31,0	60,0	40,0	55,0	50,0	2,6	26
CNR0050U26AHD	02556138	47,0	48,5	350,0	36,0	62,0	50,0	65,0	–	4,8	26
CNR0063V26AHD	02556139	60,0	61,5	400,0	42,5	64,0	63,0	80,0	63,0	8,9	26
CNL0040T26AHD	02556140	37,0	38,5	300,0	31,0	60,0	40,0	55,0	50,0	2,6	26

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (K)	Grano	Vite supporto	Molla
							
..20	CHD22	T20P-7L	L86025-T20P	KX20-2	P6SS4X4G	CS4009-T15P	S7616
..26	CHD27	T20P-7L	L86025-T20P	KX26-2	P6SS4X4G	C05012-T15P	S7616

Accessori

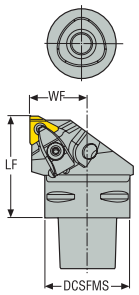
Per attacco	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Chiave per vite supporto
..20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
..26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2

DCINN2, modificato. Vedere pagina 36

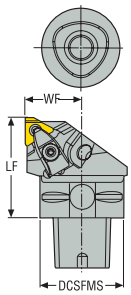
Seco-Capto™ – Utensili, per lavorazioni esterne

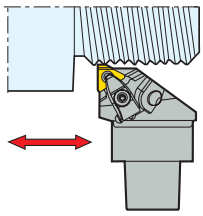
Per inserti tipo S, Snap-Tap®

CER/L-..HD



CER/L-..CHD

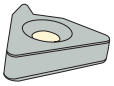




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C4-CER-27050-16HD	02484547	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	16..
C4-CEL-27050-16HD	02484655	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	16..
C4-CER-27050-22HD	02484649	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	22..
C4-CEL-27050-22HD	02484656	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	22..
C5-CER-35060-16HD	02484650	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	16..
C5-CEL-35060-16HD	02484657	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	16..
C5-CER-35060-22HD	02484652	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	22..
C5-CEL-35060-22HD	02484658	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	22..
C5-CER-35060-27HD	02844418	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	27..
C5-CEL-35060-27HD	02844420	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	27..
C6-CER-45065-16HD	02484653	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	16..
C6-CEL-45065-16HD	02484661	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	16..
C6-CER-45065-22HD	02484654	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	22..
C6-CEL-45065-22HD	02484663	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	22..
C6-CER-45065-27HD	02484848	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	27..
C6-CEL-45065-27HD	02484860	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	27..

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Ugello refrigerante	Supporto inserto (S)	Vite supporto	Molla
							
...16HD	CHD16	T15P-7	L85020-T15P	CN16	GX16-1	CS3507-T09P	S6912
...22HD	CHD22	T20P-7L	L86025-T20P	CN16	NX22-1	CS4009-T15P	S7616
...27HD	CHD27	T20P-7L	L86025-T20P	CN16	VX27-1	C05012-T15P	S7616
...45065-27HD	CHD27	T20P-7L	L86025-T20P	CN16	VX27-1	C05012-T15P	S7616

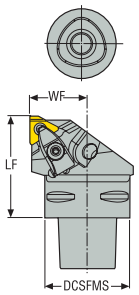
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22HD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27HD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-7
...45065-27HD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

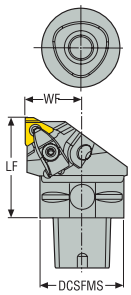
Seco-Capto™ – Utensili, per lavorazioni esterne

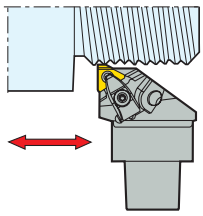
Per inserti tipo S, Snap-Tap®

CER/L-..HD



CER/L-..CHD

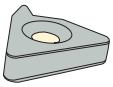




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C4-CER-27050-16CHD	02484668	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	16
C4-CEL-27050-16CHD	02484795	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	16
C5-CER-35060-16CHD	02484784	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	16
C5-CEL-35060-16CHD	02484802	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	16
C6-CER-45065-16CHD	02484786	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	16
C6-CEL-45065-16CHD	02484843	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	16
C4-CER-27050-22CHD	02484775	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	22
C4-CEL-27050-22CHD	02484800	40,0 *1.575*	50,0 *1.063*	27,0 *1.063*	0,5 *1.100*	22
C5-CER-35060-22CHD	02484785	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	22
C5-CEL-35060-22CHD	02484804	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	22
C6-CER-45065-22CHD	02484790	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	22
C6-CEL-45065-22CHD	02484845	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	22
C6-CER-45065-27CHD	02484854	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	27
C6-CEL-45065-27CHD	02484862	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	27

Parti di ricambio, comprese nella fornitura

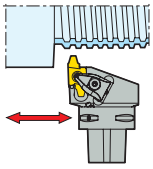
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Ugello refrigerante	Supporto inserto (S)	Vite supporto	Molla
							
...16CHD	CHD16	T15P-7	L85020-T15P	CN16	GX16-1	CS3507-T09P	S6912
...22CHD	CHD22	T20P-7L	L86025-T20P	CN16	NX22-1	CS4009-T15P	S7616
...27CHD	CHD27	T20P-7L	L86025-T20P	CN16	VX27-1	C05012-T15P	S7616

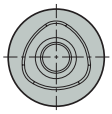
Accessori

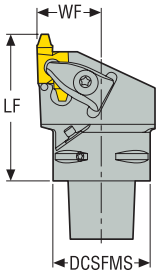
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16CHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22CHD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27CHD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Seco-Capto™ – Utensili, per lavorazioni esterne

Per inserti tipo K, Snap-Tap®



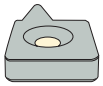




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 160, 162, 164

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C4-CER-27060-20HD	02853589	40,0 *1.575*	60,0 *1.063*	27,0 *1.063*	0,6 *1.320*	20..
C4-CER-27065-26HD	02853590	40,0 *1.575*	65,0 *1.063*	27,0 *1.063*	0,6 *1.320*	26..
C5-CER-35060-20HD	02853591	50,0 *1.969*	60,0 *1.378*	35,0 *1.378*	0,8 *1.760*	20..
C5-CER-35065-26HD	02790776	50,0 *1.969*	65,0 *1.378*	35,0 *1.378*	0,8 *1.760*	26..
C6-CER-45065-20HD	02853587	63,0 *2.480*	65,0 *1.772*	45,0 *1.772*	1,3 *2.870*	20..
C6-CER-45070-26HD	02853595	63,0 *2.480*	70,0 *1.772*	45,0 *1.772*	1,5 *3.310*	26..

Parti di ricambio, comprese nella fornitura

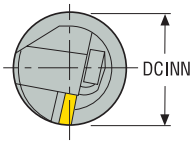
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Ugello refrigerante	Supporto inserto (K)	Vite supporto	Molla
							
...20HD	CHD22	T20P-7	L86025-T20P	CN6	KX20-2	CS4009-T15P	S7616
...26HD	CHD27	T20P-7	L86025-T20P	CN6	KX26-2	C05012-T15P	S7616

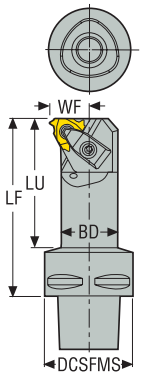
Accessori

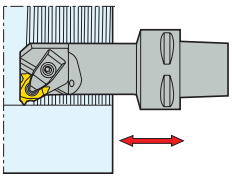
Per attacco	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Chiave per vite supporto
...20HD	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
...26HD	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



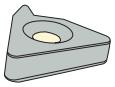




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C4-SNR-10060-16	00008610	16,0 *0.630*	40,0 *1.575*	60,0 *2.362*	10,0 *0.394*	19,0 *0.748*	37,0 *1.457*	0,3 *0.660*	16..
C4-CNR-14060-16HD	02555280	20,0 *0.787*	40,0 *1.575*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,4 *0.880*	16..
C4-CNR-17070-16HD	02555284	25,0 *0.984*	40,0 *1.575*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	48,0 *1.890*	0,5 *1.100*	16..
C4-CNR-20090-16HD	02555320	32,0 *1.260*	40,0 *1.575*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	69,0 *2.717*	0,7 *1.540*	16..
C4-CNL-14060-16HD	02555337	20,0 *0.787*	40,0 *1.575*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,4 *0.880*	16..
C4-CNL-17070-16HD	02555331	25,0 *0.984*	40,0 *1.575*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	48,0 *1.890*	0,5 *1.100*	16..
C4-CNL-20090-16HD	02555371	32,0 *1.260*	40,0 *1.575*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	69,0 *2.717*	0,7 *1.540*	16..
C4-CNR-22090-22HD	02555375	32,0 *1.260*	40,0 *1.575*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	69,0 *2.717*	0,6 *1.320*	22..
C4-CNL-22090-22HD	02555384	32,0 *1.260*	40,0 *1.575*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	69,0 *2.717*	0,6 *1.320*	22..

Parti di ricambio, comprese nella fornitura

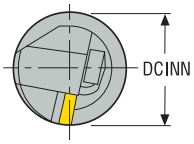
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Chiave per vite inserto	Vite di bloccaggio inserto	Supporto inserto (S)	Vite supporto	Molla
									
...10060-16	–	–	–	–	T15P-2	C03508-T15P	–	–	–
...14060, 17070-16HD	–	T15P-2	CSP16HD-T15P	–	–	–	GX16-1	CS3507-T09P	–
...20090-16HD	CHD16	T15P-2	–	L85020-T15P	–	–	GX16-1	CS3507-T09P	S6912
...22090-22HD	–	T15P-2	CSP22HD-T15P	–	–	–	NX22-1	CS4009-T15P	–

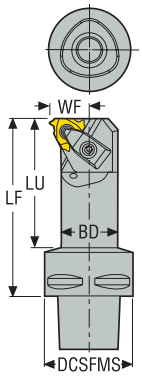
Accessori

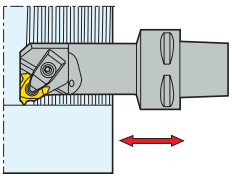
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...10060-16	–	–	–	–	–	–	–	–	–	–	–	–
...14060, 17070-16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...20090-16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22090-22HD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	–

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



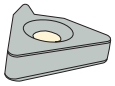




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C5-CNR-14060-16HD	02555383	20,0 *0.787*	50,0 *1.969*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,6 *1.320*	16..
C5-CNR-17070-16HD	02555388	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	47,0 *1.850*	0,6 *1.320*	16..
C5-CNR-20090-16HD	02555391	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	0,8 *1.760*	16..
C5-CNL-14060-16HD	02555739	20,0 *0.787*	50,0 *1.969*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,6 *1.320*	16..
C5-CNL-17070-16HD	02555740	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	47,0 *1.850*	0,6 *1.320*	16..
C5-CNL-20090-16HD	02555741	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	0,8 *1.760*	16..
C5-CNR-18070-22HD	02555742	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	17,8 *0.701*	30,0 *1.181*	47,0 *1.850*	0,6 *1.320*	22..
C5-CNR-22090-22HD	02555743	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	0,8 *1.760*	22..
C5-CNL-18070-22HD	02555745	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	17,8 *0.701*	30,0 *1.181*	47,0 *1.850*	0,6 *1.320*	22..
C5-CNL-22090-22HD	02555747	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	0,8 *1.760*	22..
C5-CNR-26105-27HD	02823806	40,0 *1.575*	50,0 *1.969*	105,0 *4.134*	24,78 *0.976*	46,0 *1.811*	83,7 *3.295*	1,2 *2.650*	27..
C5-CNL-26105-27HD	02823807	40,0 *1.575*	50,0 *1.969*	105,0 *4.134*	24,78 *0.976*	46,0 *1.811*	83,7 *3.295*	1,2 *2.650*	27..

Parti di ricambio, comprese nella fornitura

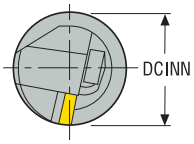
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...14060, 17070-16HD	–	T15P-2	CSP16HD-T15P	–	GX16-1	CS3507-T09P	–
...20090-16HD	CHD16	T15P-2	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
...22HD	–	T15P-2	CSP22HD-T15P	–	NX22-1	CS4009-T15P	–
...27HD	CHD27	T20P-7	–	L86025-T20P	VX27-1	C05012-T15P	S7616

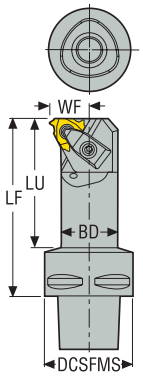
Accessori

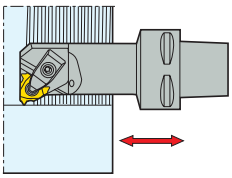
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...14060, 17070-16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...20090-16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22HD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27HD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



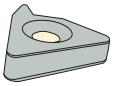




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 173

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CNR-17075-16HD	02555750	25,0 *0.984*	63,0 *2.480*	75,0 *2.953*	16,3 *0.642*	29,0 *1.142*	53,0 *2.087*	0,9 *1.980*	16
C6-CNR-20090-16HD	02555762	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	1,1 *2.430*	16
C6-CNR-24105-16HD	02555766	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	23,8 *0.937*	44,0 *1.732*	80,0 *3.150*	1,5 *3.310*	16
C6-CNL-17075-16HD	02555768	25,0 *0.984*	63,0 *2.480*	75,0 *2.953*	16,3 *0.642*	29,0 *1.142*	53,0 *2.087*	0,9 *1.980*	16
C6-CNL-20090-16HD	02555769	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	1,1 *2.430*	16
C6-CNL-24105-16HD	02555771	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	23,8 *0.937*	44,0 *1.732*	80,0 *3.150*	1,5 *3.310*	16

Parti di ricambio, comprese nella fornitura

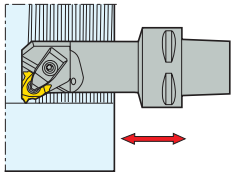
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...17075-16HD	–	T15P-2	CSP16HD-T15P	–	GX16-1	CS3507-T09P	–
...20090, 24105-16HD	CHD16	T15P-2	–	L85020-T15P	GX16-1	CS3507-T09P	S6912

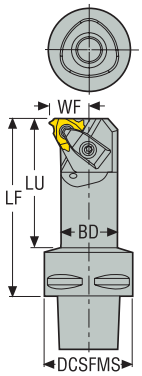
Accessori

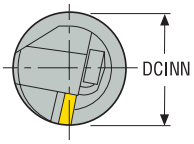
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...17075-16HD	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2
...20090, 24105-16HD	MX16-1	GX16-0	GX16-2	GX16-3	GX16-4	GX16-99	T09P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



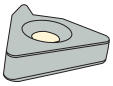




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 155, 159, 161, 163, 165, 167, 169, 171, 175, 177

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CNR-18075-22HD	02555772	25,0 *0.984*	63,0 *2.480*	75,0 *2.953*	17,8 *0.701*	30,0 *1.181*	53,0 *2.087*	0,9 *1.980*	22
C6-CNR-22090-22HD	02555773	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	1,1 *2.430*	22
C6-CNR-26105-22HD	02555776	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	22
C6-CNL-18075-22HD	02555777	25,0 *0.984*	63,0 *2.480*	75,0 *2.953*	17,8 *0.701*	30,0 *1.181*	53,0 *2.087*	0,9 *1.980*	22
C6-CNL-22090-22HD	02555832	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	1,1 *2.430*	22
C6-CNL-26105-22HD	02555833	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	22

Parti di ricambio, comprese nella fornitura

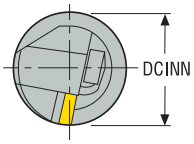
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
..18075, 22090..	–	T15P-2	CSP22HD-T15P	–	NX22-1	CS4009-T15P	–
..26105..	CHD22	T20P-7L	–	L86025-T20P	NX22-1	CS4009-T15P	S7616

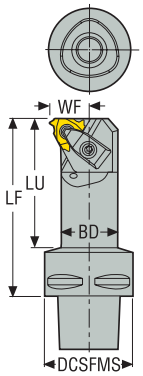
Accessori

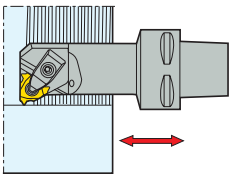
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
..18075, 22090..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
..26105..	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



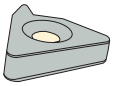




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 134, 135, 136 141, 142, 159, 161, 163, 165, 167, 169, 171, 173

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CNR-26105-27HD	02644670	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	77,0 *3.031*	1,6 *3.530*	27
C6-CNR-36182-27HD	02485584	63,0 *2.480*	63,0 *2.480*	182,0 *7.165*	36,0 *1.417*	70,0 *2.756*	–	4,1 *9.040*	27
C6-CNL-26105-27HD	02644672	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	77,0 *3.031*	1,6 *3.530*	27
C6-CNL-36182-27HD	02644681	63,0 *2.480*	63,0 *2.480*	182,0 *7.165*	36,0 *1.417*	70,0 *2.756*	–	4,1 *9.040*	27
C8-CNR-36190-27HD	02644684	54,0 *2.126*	80,0 *3.150*	190,0 *7.480*	36,0 *1.417*	70,0 *2.756*	160,0 *6.299*	4,2 *9.260*	27
C8-CNL-36190-27HD	02644685	54,0 *2.126*	80,0 *3.150*	190,0 *7.480*	36,0 *1.417*	70,0 *2.756*	160,0 *6.299*	4,2 *9.260*	27

Parti di ricambio, comprese nella fornitura

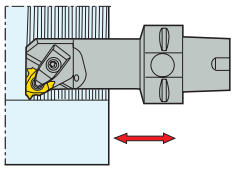
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Ugello refrigerante	Supporto inserto (S)	Vite supporto	Molla
							
C6...	CHD27	T20P-7	L86025-T20P	–	VX27-1	C05012-T15P	S7616
C8...	CHD27	T20P-7	L86025-T20P	CN8	VX27-1	C05012-T15P	S7616

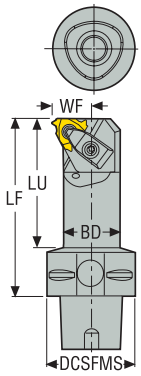
Accessori

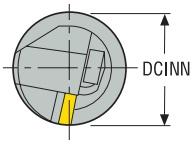
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
C6...	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2
C8...	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



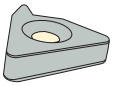




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C4-CNR-14060-16CHD	02555834	20,0 *0.787*	40,0 *1.575*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,4 *0.880*	16
C4-CNL-14060-16CHD	02555835	20,0 *0.787*	40,0 *1.575*	60,0 *2.362*	13,8 *0.543*	24,0 *0.945*	36,0 *1.417*	0,4 *0.880*	16
C5-CNR-17070-16CHD	02555836	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	47,0 *1.850*	0,6 *1.320*	16
C5-CNR-20090-16CHD	02555837	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	0,8 *1.760*	16
C5-CNL-17070-16CHD	02555839	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	16,3 *0.642*	29,0 *1.142*	47,0 *1.850*	0,6 *1.320*	16
C5-CNL-20090-16CHD	02555840	32,0 *1.260*	50,0 *1.969*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	0,8 *1.760*	16
C5-CNR-18070-22CHD	02555841	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	17,8 *0.701*	30,0 *1.181*	47,0 *1.850*	0,6 *1.320*	22
C5-CNL-18070-22CHD	02555842	25,0 *0.984*	50,0 *1.969*	70,0 *2.756*	17,8 *0.701*	30,0 *1.181*	47,0 *1.850*	0,6 *1.320*	22

Parti di ricambio, comprese nella fornitura

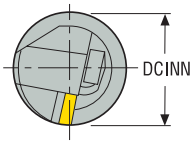
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...14060, ...17070-16CHD	–	T15P-2	CSP16HD-T15P	–	GX16-1	CS3507-T09P	–
...20090-16CHD	CHD16	T15P-2	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
...18070-22CHD	–	T15P-2	CSP22HD-T15P	–	NX22-1	CS4009-T15P	–

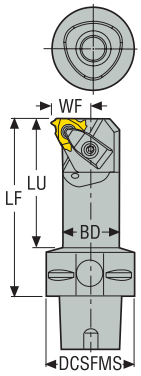
Accessori

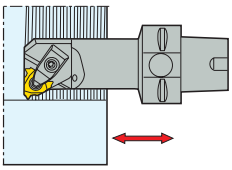
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...14060, ...17070-16CHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...20090-16CHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...18070-22CHD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	–

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



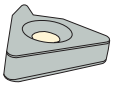




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CNR-20090-16CHD	02555843	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	1,1 *2.430*	16
C6-CNR-24105-16CHD	02555844	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	23,8 *0.937*	44,0 *1.732*	80,0 *3.150*	1,5 *3.310*	16
C6-CNL-20090-16CHD	02555845	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	19,8 *0.780*	36,0 *1.417*	68,0 *2.677*	1,1 *2.430*	16
C6-CNL-24105-16CHD	02555847	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	23,8 *0.937*	44,0 *1.732*	80,0 *3.150*	1,5 *3.310*	16
C6-CNR-22090-22CHD	02555848	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	1,1 *2.430*	22
C6-CNR-26105-22CHD	02555849	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	22
C6-CNL-22090-22CHD	02555850	32,0 *1.260*	63,0 *2.480*	90,0 *3.543*	21,3 *0.839*	38,0 *1.496*	68,0 *2.677*	1,1 *2.430*	22
C6-CNL-26105-22CHD	02555852	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	22

Parti di ricambio, comprese nella fornitura

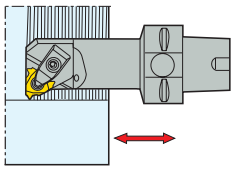
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
							
...16CHD	CHD16	T15P-2	–	L85020-T15P	GX16-1	CS3507-T09P	S6912
...22090-22CHD	–	T15P-2	CSP22HD-T15P	–	NX22-1	CS4009-T15P	–
...26105-22CHD	CHD22	T20P-7L	–	L86025-T20P	NX22-1	CS4009-T15P	S7616

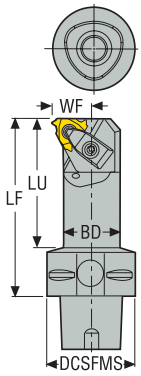
Accessori

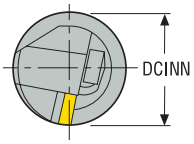
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16CHD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22090-22CHD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...26105-22CHD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2

Seco-Capto™ – Utensili, per lavorazioni interne

Per inserti tipo S, Snap-Tap®



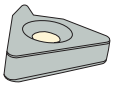




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 134, 135, 136, 141, 142, 159, 161, 163, 165, 167, 169, 171, 173

Codice di ordinazione	Codice prodotto	BD	DCSFMS	LF	WF	DCINN	LU	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CNR-26105-27CHD	02644674	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	27
C6-CNR-36182-27CHD	02644686	63,0 *2.480*	63,0 *2.480*	182,0 *7.165*	36,0 *1.417*	70,0 *2.756*	–	4,1 *9.040*	27
C6-CNL-26105-27CHD	02644677	40,0 *1.575*	63,0 *2.480*	105,0 *4.134*	25,3 *0.996*	46,0 *1.811*	80,0 *3.150*	1,5 *3.310*	27
C6-CNL-36182-27CHD	02644687	63,0 *2.480*	63,0 *2.480*	182,0 *7.165*	36,0 *1.417*	70,0 *2.756*	–	4,1 *9.040*	27

Parti di ricambio, comprese nella fornitura

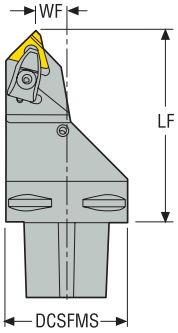
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (S)	Vite supporto	Molla
						
C6...	CHD27	T20P-7	L86025-T20P	VX27-1	C05012-T15P	S7616

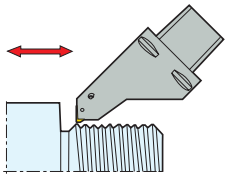
Accessori

Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
C6...	MX27-1	VX27-98.5	VX27-2	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Seco-Capto™ - Portautensili per MTM

Per inserti tipo S, Snap-Tap®

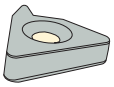




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-CER-18100-16HD	02509302	63,0 *2.480*	100,0 *3.937*	18,0 *0.709*	1,6 *3.530*	16
C6-CER-16100-22HD	02509303	63,0 *2.480*	100,0 *3.937*	16,0 *0.630*	1,6 *3.530*	22
C6-CER-12100-27HD	02509304	63,0 *2.480*	100,0 *3.937*	12,0 *0.472*	1,6 *3.530*	27

Parti di ricambio, comprese nella fornitura

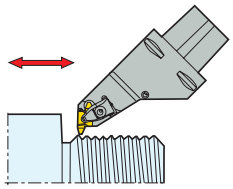
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Ugello refrigerante	Supporto inserto (S)	Vite supporto	Molla
							
...16HD	CHD16	T15P-7	L85020-T15P	CN8	GX16-1	CS3507-T09P	S6912
...22HD	CHD22	T20P-7L	L86025-T20P	CN8	NX22-1	CS4009-T15P	S7616
...27HD	CHD27	T20P-7L	L86025-T20P	CN3	VX27-1	C05012-T15P	S7616

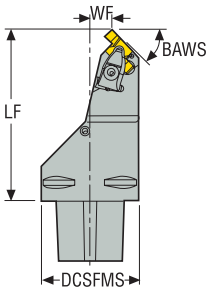
Accessori

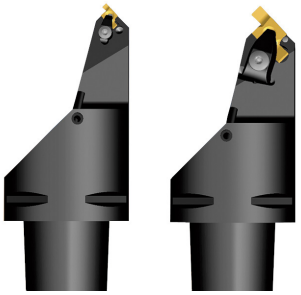
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Chiave per vite supporto
...16HD	MX16-1	GX16-0	–	–	GX16-2	GX16-3	GX16-4	GX16-99	–	–	–	T09P-2
...22HD	MX22-1	NX22-97.5	NX22-98	NX22-99	NX22-98.5	NX22-99.5	NX22-0.5	NX22-0	NX22-2	NX22-3	NX22-4	T15P-2
...27HD	MX27-1	VX27-98.5	VX27-2	–	VX27-99.5	VX27-0.5	VX27-1.5	VX27-99	VX27-3	VX27-4	VX27-0	T15P-2

Seco-Capto™ - Portautensili per MTM

Per inserti tipo K, Snap-Tap®







- Versione sinistra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 160, 162, 164

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	BAWS°	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*		
C6-CEL-14110-20HD	02509308	63,0 *2.480*	110,0 *4.331*	14,0 *0.551*	1,7 *3.750*	45	20..
C6-CEL-07110-26HD	02509309	63,0 *2.480*	110,0 *4.331*	7,0 *0.276*	1,7 *3.750*	45	26..
C6-CEL-18110-14	02509306	63,0 *2.480*	110,0 *4.331*	18,0 *0.709*	1,7 *3.750*	45	14..

Parti di ricambio, comprese nella fornitura

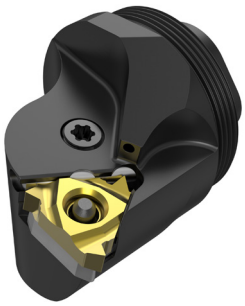
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Ugello refrigerante	Supporto inserto (K)	Vite supporto	Molla
-20	CHD22	T20P-7	–	L86025-T20P	CN8	KX20-2	CS4009-T15P	S7616
-26	CHD27	T20P-7	–	L86025-T20P	CN8	KX26-2	C05012-T15P	S7616
-14	–	T15P-2	CSP16-T15P	–	CN8	KX14-2	CS3507-T09P	–

Accessori

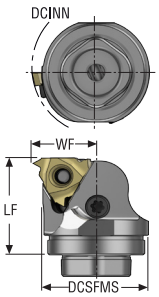
Per attacco	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Chiave per vite supporto
-20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
-26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2
-14	KX14-0	KX14-1	KX14-3	KX14-4	KX14-5	–	T09P-2

Steadyline®, unità GL, Jetstream Tooling®

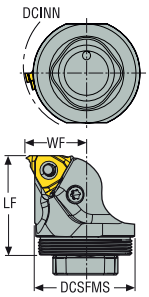
Per inserti tipo S, Snap-Tap®

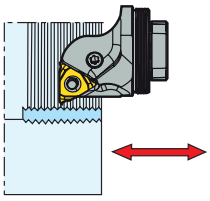


..16AHDJET



..22/32AHDJET

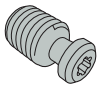




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 126, 129, 130, 134, 135, 136, 141, 142, 145, 147, 150, 151, 153, 155, 157, 159, 161, 163, 165, 173
- CP * Max pressione refrigerante

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	DCINN	CP	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	bar *psi*	kg *lb*	
GL25-PNR-17025-16AHDJET	03212499	25,0 *0.984*	25,0 *0.984*	16,3 *0.642*	29,0 *1.142*	200,0 *2900.8*	0,1 *0.220*	16
GL25-PNL-17025-16AHDJET	03212502	25,0 *0.984*	25,0 *0.984*	16,3 *0.642*	29,0 *1.142*	200,0 *2900.8*	0,1 *0.220*	16
GL32-PNR-20032-16AHDJET	03007255	32,0 *1.260*	32,0 *1.260*	19,8 *0.780*	36,0 *1.417*	200,0 *2900.8*	0,2 *0.440*	16
GL32-PNL-20032-16AHDJET	03007256	32,0 *1.260*	32,0 *1.260*	19,8 *0.780*	36,0 *1.417*	200,0 *2900.8*	0,2 *0.440*	16
GL40-PNR-24032-16AHDJET	03007261	40,0 *1.575*	32,0 *1.260*	23,8 *0.937*	44,0 *1.732*	200,0 *2900.8*	0,4 *0.880*	16
GL40-PNL-24032-16AHDJET	03007262	40,0 *1.575*	32,0 *1.260*	23,8 *0.937*	44,0 *1.732*	200,0 *2900.8*	0,3 *0.660*	16
GL50-PNR-29032-16AHDJET	03007264	50,0 *1.969*	32,0 *1.260*	28,8 *1.134*	54,0 *2.126*	200,0 *2900.8*	0,5 *1.100*	16
GL50-PNL-29032-16AHDJET	03007265	50,0 *1.969*	32,0 *1.260*	28,8 *1.134*	54,0 *2.126*	200,0 *2900.8*	0,5 *1.100*	16
GL32-PNR-22032-22AHDJET	03007257	32,0 *1.260*	32,0 *1.260*	21,3 *0.839*	38,0 *1.496*	200,0 *2900.8*	0,2 *0.440*	22
GL32-PNL-22032-22AHDJET	03007258	32,0 *1.260*	32,0 *1.260*	21,3 *0.839*	38,0 *1.496*	200,0 *2900.8*	0,1 *0.220*	22
GL40-PNR-26032-22AHDJET	03007263	40,0 *1.575*	32,0 *1.260*	25,3 *0.996*	46,0 *1.811*	200,0 *2900.8*	0,3 *0.660*	22
GL40-PNL-26032-22AHDJET	03007468	40,0 *1.575*	32,0 *1.260*	25,3 *0.996*	46,0 *1.811*	200,0 *2900.8*	0,3 *0.660*	22
GL50-PNR-31032-22AHDJET	03007266	50,0 *1.969*	32,0 *1.260*	30,3 *1.193*	56,0 *2.205*	200,0 *2900.8*	0,4 *0.880*	22
GL50-PNL-31032-22AHDJET	03007267	50,0 *1.969*	32,0 *1.260*	30,3 *1.193*	56,0 *2.205*	200,0 *2900.8*	0,5 *1.100*	22
GL40-PNR-27037-27AHDJET	03007260	40,0 *1.575*	37,0 *1.457*	26,8 *1.055*	48,0 *1.890*	200,0 *2900.8*	0,3 *0.660*	27
GL50-PNR-32037-27AHDJET	03007259	50,0 *1.969*	37,0 *1.457*	31,8 *1.252*	58,0 *2.283*	200,0 *2900.8*	0,3 *0.660*	27

Parti di ricambio, comprese nella fornitura

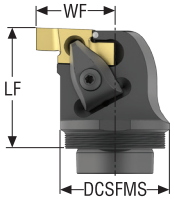
Per attacco	Leva	Supporto inserto (S)	Vite leva	Chiave di bloccaggio	Perno
					
..16..	PP3712	GXA16-1	LS0612-T15P	T15P-2	AC4625
..22A..	PP4816	NXA22-1	LS0815-T25P	T25P-7	AC5035
..27A..	PP6019	VXA27-1	LS0820-T25P	T25P-7	AC6050

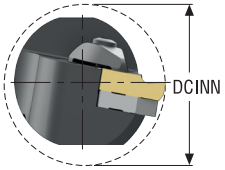
Accessori

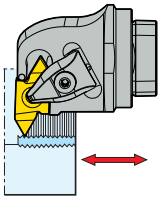
Per attacco	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)
..16..	MXA16-1	GXA16-0	–	–	GXA16-2	GXA16-3	GXA16-4	GXA16-98	–	–	–
..22A..	MXA22-1	NXA22-0	NXA22-98	NXA22-97.5	NXA22-0.5	NXA22-1.5	NXA22-2	NXA22-4	NXA22-99.5	NXA22-99	NXA22-98.5
..27A..	MXA27-1	VXA27-0	VXA27-98	–	VXA27-0.5	VXA27-1.5	VXA27-2	VXA27-4	VXA27-99.5	VXA27-99	VXA27-98.5

Steadyline®, unità GL

Per inserti tipo K, Snap-Tap®



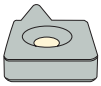




- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 126, 127, 127, 128, 129, 130, 161, 163, 165
- CP * Max pressione refrigerante

Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	DCINN	CP	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	bar *psi*	kg *lb*	
GL50-CNR-36055-26AHD	03051391	50,0 *1.969*	55,0 *2.165*	36,0 *1.417*	65,0 *2.559*	200,0 *2900.8*	0,6 *1.320*	26 NR..

Parti di ricambio, comprese nella fornitura

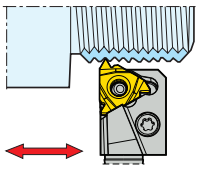
Per attacco	Staffa	Vite staffa	Supporto inserto (K)	Chiave per staffa	Vite supporto	Molla
						
GL50...	CHD27	L86025-T20P	KX26-2	T20P-2D	C05012-T15P	S7616

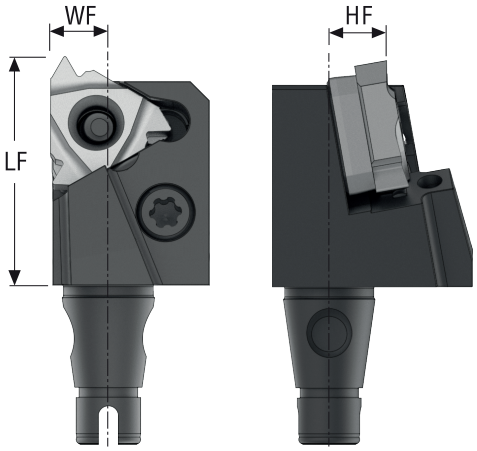
Accessori

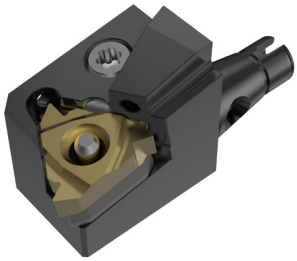
Per attacco	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Supporto inserto (K)	Chiave per vite supporto
GL50...	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	KX26-2	T15P-2

Sistema di utensili a cambio rapido, Jetstream Tooling®, unità di taglio QC – Esterno

Per inserti tipo S, Snap-Tap®







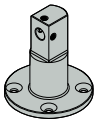
- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 125, 127, 128, 131, 132, 138, 139, 144, 146, 148, 149, 152, 154, 156, 158, 160, 162, 164, 166, 176
- CP * Max pressione refrigerante
- Per la Guida tecnica, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	LF	WF	HF	CP	Peso	CTWS
		mm *Inch*	mm *Inch*	mm *Inch*	bar *psi*	kg *lb*	
QC12-PER-16HDJET	03280772	25,0 *0.984*	6,0 *0.236*	5,975 *0.235*	200,0 *7.9*	0,1 *0.220*	16
QC12-PEL-16HDJET	03280773	25,0 *0.984*	6,0 *0.236*	5,975 *0.235*	200,0 *7.9*	0,3 *0.660*	16
QC16-PER-16HDJET	03280774	25,0 *0.984*	8,0 *0.315*	7,9 *0.311*	200,0 *7.9*	0,3 *0.660*	16
QC16-PEL-16HDJET	03280775	25,0 *0.984*	8,0 *0.315*	7,9 *0.311*	200,0 *7.9*	0,3 *0.660*	16

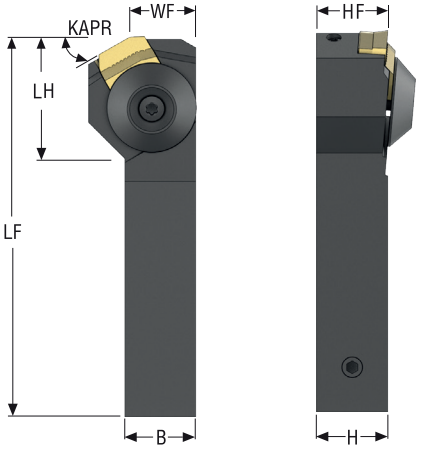
Parti di ricambio, comprese nella fornitura

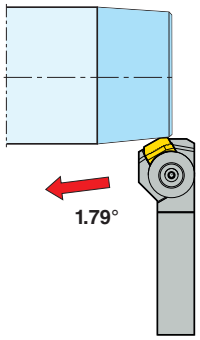
Per attacco	Leva	Supporto inserto (S)	Chiave per vite leva	Vite leva	Perno
..-16	PP3712	GXA16-1	T15P-2	LS0612-T15P	AC4625

Accessori

Per attacco	Torque	Supporto inserto (M)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Supporto inserto (S)	Mounting fixture	Chiave dinamometrica
									
..-16	3.0NM	MXA16-1	GXA16-0	GXA16-2	GXA16-3	GXA16-4	GXA16-98	SECO-MF7075-QC	T00-15P30

Utensili per la pelatura





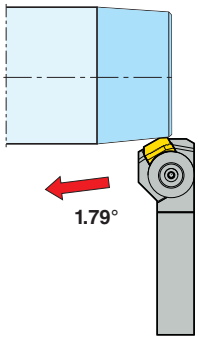
- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 124

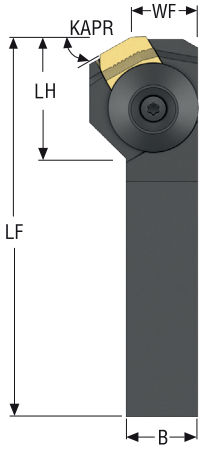
Codice di ordinazione	Codice prodotto	KAPR°	B	H	LF	LH	WF	HF	Peso	CTWS
			mm	mm	mm	mm	mm	mm	kg	
CSXCR3232P25-R30	03120990	30	32,0	32,0	170,0	64,61	29,53	32,0	0,5	SCNN-R30

Parti di ricambio, comprese nella fornitura

Per attacco	Vite per supporto	Chipbreaker	Vite di bloccaggio inserto	Chiave (impugnatura a T)	Chiave	Grano	Supporto
CSXCR...	CA4012	PS2518	W400820-T30P	DOUBLE-T	H6B-T30PL	JET-P1/8-5MM	SSN250630

Utensili per la pelatura

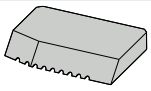
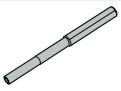




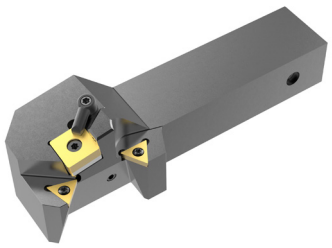
- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 124

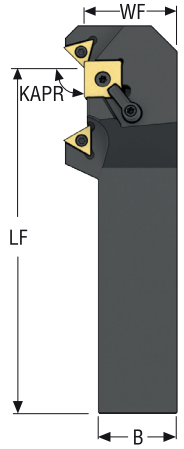
Codice di ordinazione	Codice prodotto	KAPR°	B	H	LF	LH	WF	HF	Peso	CTWS
			Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CSXCR20-8D-R30	03120991	30	1.250	1.250	6.693	2.545	1.163	1.250	3.530	SCNN-R30

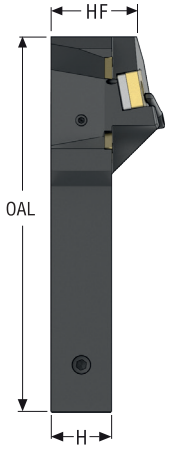
Parti di ricambio, comprese nella fornitura

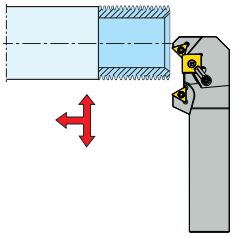
Per attacco	Vite per supporto	Chipbreaker	Vite di bloccaggio inserto	Chiave (impugnatura a T)	Chiave	Grano	Supporto
							
CSXCR...	CA4012	PS2518	W400820-T30P	DOUBLE-T	H6B-T30PL	JET-P1/8-5MM	SSN250630

Utensili sfacciatura tubi









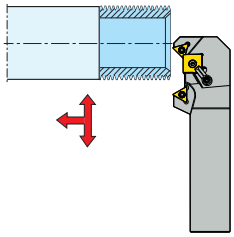
- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

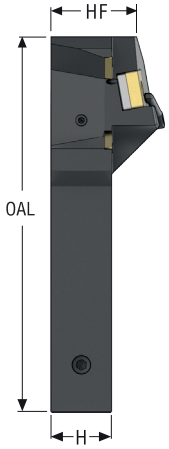
Codice di ordinazione	Codice prodotto	KAPR°	B	H	LF	WF	HF	OAL	Peso	CTWS	CTWS
			mm	mm	mm	mm	mm	mm	kg		
MSGNR3240R19-TC-45-60	03120992	90,0	40,0	32,0	174,0	47,0	32,0	195,6	0,7	SN...1906... TCMT16T3...	SN...1906... TCMT16T3...

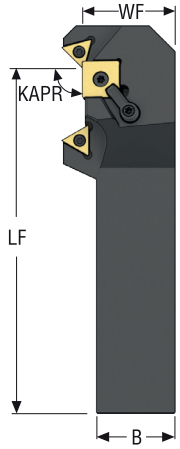
Parti di ricambio, comprese nella fornitura

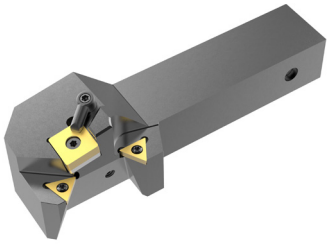
Per attacco	Staffa	Vite staffa	Chiave per vite inserto	Vite di bloccaggio inserto	Supporto inserto	Chiave (impugnatura a T)	Chiave	Grano	Perno
MSGNR...	MC22	LD6024-T20P	H4B-T15P	C03508-T15P	SSN190412	DOUBLE-T	H6B-T20P	JET-P1/8-5MM	MN1920-T20P

Utensili sfacciatura tubi





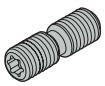
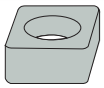
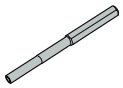




- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

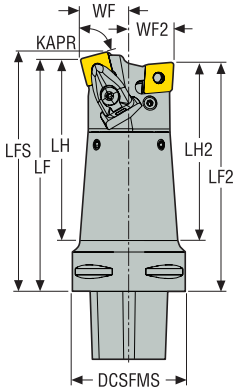
Codice di ordinazione	Codice prodotto	KAPR°	B	H	LF	WF	HF	OAL	Peso	CTWS	CTWS
			Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb		
MSGNR-125-6-TC-45-60	03120993	90	1.500	1.250	6.850	1.850	1.260	7.701	2.870	SN...1906... TCMT16T3...	SN...1906... TCMT16T3...

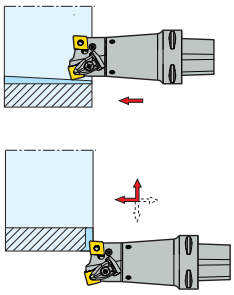
Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Vite staffa	Chiave per vite inserto	Vite di bloccaggio inserto	Supporto inserto	Chiave (impugnatura a T)	Chiave	Grano	Perno
									
MSGNR...	MC22	LD6024-T20P	H4B-T15P	C03508-T15P	SSN190412	DOUBLE-T	H6B-T20P	JET-P1/8-5MM	MN1920-T20P

Seco-Capto™, utensili multi-inserto, per lavorazioni interne

Unità di taglio per inserti SNMA, SNMG, SNMM / CNMA, CNMG, CNMM

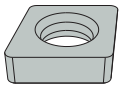




- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)
- GAMO° = angolo di spoglia superiore, LAMS° = angolo di inclinazione
- KAPR = 75°
- C.-DSKNR/L - CLNR/L 75°

Codice di ordinazione	Codice prodotto	Dimensione Seco-Capto	GAMO°	LAMS°	DCSFMS	LF	LF2	LFS	LH	LH2	WF	WF2	Peso	CTWS
					mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-DSKNR2713015-PCLNL2512816	03031406	C6	-5,0 °	-10,0 °	63,0 *2.480*	130,0 *5.118*	128,0 *5.039*	134,0 *5.276*	101,5 *3.996*	99,5 *3.917*	27,0 *1.063*	25,0 *0.984*	0,9 *1.980*	SN1506-CN1606/SN..54-CN..54
C6-DSKNL2713015-PCLNR2512816C	03032390	C6	-5,0 °	-10,0 °	63,0 *2.480*	130,0 *5.118*	128,0 *5.039*	134,0 *5.276*	101,5 *3.996*	99,5 *3.917*	27,0 *1.063*	25,0 *0.984*	2,3 *5.070*	SN1506-CN1606/SN..54-CN..54

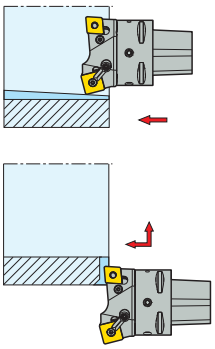
Parti di ricambio, comprese nella fornitura

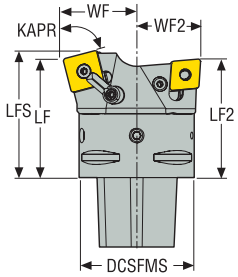
Per attacco	Staffa	Perno	Vite staffa	Supporto inserto	Leva	Vite leva	Grano	Perno	Vite supporto	Molla
										
C6	CD16-S	FP2012	L86026-T20P	PCN160412	PP6017	LS0820	P6SS6X5G	RP8286	C05010-T20P	S7010

Accessori

Per attacco	Kit di bloccaggio	Chiave	Chiave per vite leva
C6	CD16-S16	T20P-7L	3SMS795

Seco-Capto™, utensili multi-inserto, per lavorazioni interne



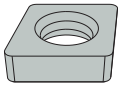
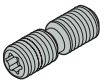


- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)
- GAMO° = angolo di spoglia superiore, LAMS° = angolo di inclinazione
- KAPR = 75°
- C.-DSKNR/L - CLNR/L 75°

KAPR = 75°
C.-DSKNR/L - CLNR/L 75°

Codice di ordinazione	Codice prodotto	Dimensione Seco-Capto	GAMO°	LAMS°	DCSFMS	LF	LF2	LFS	WF	WF2	Peso	CTWS
					mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	kg *lb*	
C6-MSKNR4006519-PCLNL3506516	03032391	C6	-5,0 °	-10,0 °	63,0 *2.480*	65,0 *2.559*	65,0 *2.559*	69,8 *2.748*	40,0 *1.575*	35,0 *1.378*	0,7 *1.540*	SN1906-CN1606/ SN..64-CN..54
C6-MSKNL4006519-PCLNR3506516C	03032405	C6	-5,0 °	-10,0 °	63,0 *2.480*	65,0 *2.559*	65,0 *2.559*	69,8 *2.748*	40,0 *1.575*	35,0 *1.378*	1,5 *3.310*	SN1906-CN1606/ SN..64-CN..54
C8-MSKNR4508019-PCLNL4508016	03032403	C8	-5,0 °	-10,0 °	80,0 *3.150*	80,0 *3.150*	80,0 *3.150*	85,0 *3.346*	45,0 *1.772*	45,0 *1.772*	3,3 *7.280*	SN1906-CN1606/ SN..64-CN..54
C8-MSKNL4508019-PCLNR4508016C	03031407	C8	-5,0 °	-10,0 °	80,0 *3.150*	80,0 *3.150*	80,0 *3.150*	85,0 *3.346*	45,0 *1.772*	45,0 *1.772*	3,1 *6.830*	SN1906-CN1606/ SN..64-CN..54

Parti di ricambio, comprese nella fornitura

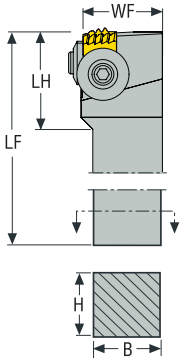
Per dimensione	Staffa	Ugello refrigerante	Supporto inserto	Leva	Vite leva	Spina	Grano	Vite	Perno
									
C6/C8	MC22	CN6	SSN190412	PP6017	LS0820	MN1920-T20P	P6SS6X5G	LD6024-T20P	RP8286

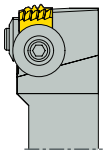
Accessori

Per attacco	Chiave	Chiave per vite leva
C6/C8	T20P-7L	3SMS795

Utensili per inserti chaser, Esterna

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

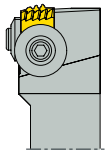
Codice di ordinazione	Codice prodotto	B	H	LF	WF	LH	Peso	CTWS
		mm	mm	mm	mm	mm	kg	
CER3232P1-X	03048363	32,0	32,0	170,24	37,25	47,54	1,4	15.875
CER3232P5-X	03048364	32,0	32,0	170,24	37,25	47,54	1,4	25.000

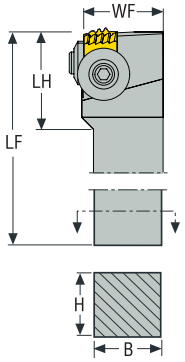
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Chiave per staffa laterale	Chiave per staffa superiore
CER	W200613-T20P	W240618-T25P	T20P-7	T25P-7

Utensili per inserti chaser, Esterna

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

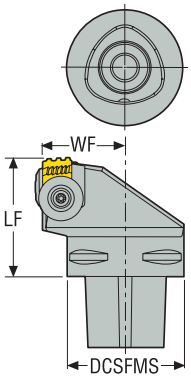
Codice di ordinazione	Codice prodotto	B	H	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER1256-1-X	03048365	1.250	1.250	6.702	1.467	1.872	3.090	15.875
CER1256-5-X	03048366	1.250	1.250	6.702	1.467	1.872	3.090	25.000

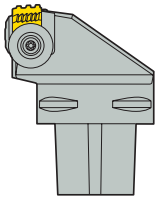
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Chiave per staffa laterale	Chiave per staffa superiore
CER	W200613-T20P	W240618-T25P	T20P-7	T25P-7

Seco-Capto™ – Utensili per inserti chaser, per lavorazioni esterne

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

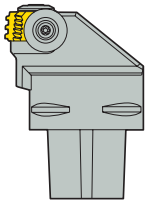
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm	mm	mm	kg	
C6-CER-45065-1-X	02995827	63,0	65,0	45,0	1,3	15.875
C6-CER-45065-5-X	02995828	63,0	65,0	45,0	1,4	25.000
C8-CER-55080-1-X	02995821	80,0	80,0	55,0	2,7	15.875
C8-CER-55080-5-X	02995822	80,0	80,0	55,0	2,8	25.000

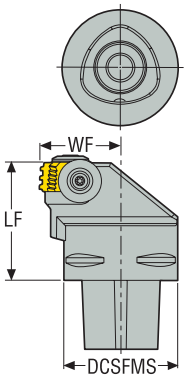
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Chiave per staffa laterale	Chiave per staffa superiore
C6/C8-X	W200613-T20P	W240618-T25P	T20P-7	T25P-7

Seco-Capto™ – utensili per inserti chaser, per lavorazioni interne

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

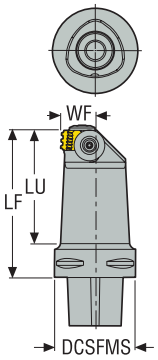
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm	mm	mm	kg	
C6-CNR-45065-1-X	02995829	63,0	65,0	45,0	1,4	15.875
C6-CNR-45065-5-X	02995831	63,0	65,0	45,0	1,4	25.000
C8-CNR-55080-1-X	02995823	80,0	80,0	55,0	2,9	15.875
C8-CNR-55080-5-X	02995825	80,0	80,0	55,0	2,9	25.000
C8-CNL-55080-1-X	03118011	80,0	80,0	55,0	1,9	15.875
C8-CNL-55080-5-X	03118015	80,0	80,0	55,0	1,7	25.000

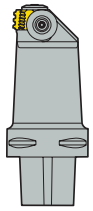
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Ugello refrigerante	Chiave per staffa laterale	Chiave per staffa superiore
...CNR...	W200613-T20P	W240618-T25P	CN6	T20P-7	T25P-7
...CNL...	W200613-T20P	W240618-T25P	–	T20P-7	T25P-7

Seco-Capto™ – utensili per inserti chaser, per lavorazioni interne

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

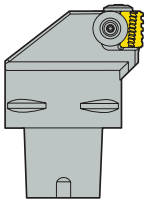
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	LU	Peso	CTWS
		mm	mm	mm	mm	kg	
C6-CNR-27115-1-X	03003765	63,0	115,0	27,0	88,0	1,9	15.875
C6-CNR-27115-5-X	03010914	63,0	115,0	27,0	88,0	1,9	25.000

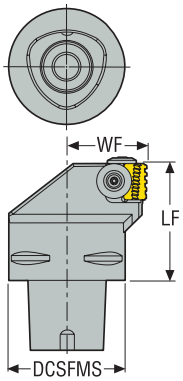
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Ugello refrigerante	Chiave per staffa laterale	Chiave per staffa superiore
C6...	W200613-T20P	W240618-T25P	CN6	T20P-7	T25P-7

Seco-Capto™ – utensili per inserti chaser, per lavorazioni interne

Snap-Tap®





- Versione sinistra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

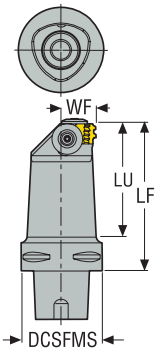
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm	mm	mm	kg	
C6-CNL-45065-1C-X	02995830	63,0	65,0	45,0	1,4	15.875
C6-CNL-45065-5C-X	02995832	63,0	65,0	45,0	1,4	25.000
C8-CNL-55080-1C-X	02995824	80,0	80,0	55,0	2,9	15.875
C8-CNL-55080-5C-X	02995826	80,0	80,0	55,0	2,9	25.000

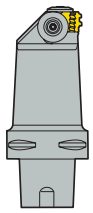
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Ugello refrigerante	Chiave per staffa laterale	Chiave per staffa superiore
C6/C8...	W200613-T20P	W240618-T25P	CN6	T20P-7	T25P-7

Seco-Capto™ – utensili per inserti chaser, per lavorazioni interne

Snap-Tap®





- Versione sinistra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

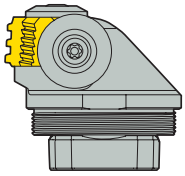
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	LU	Peso	CTWS
		mm	mm	mm	mm	kg	
C6-CNL-27115-1C-X	03003766	63,0	115,0	27,0	88,0	1,9	15.875
C6-CNL-27115-5C-X	03010915	63,0	115,0	27,0	88,0	1,9	25.000

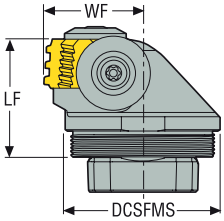
Parti di ricambio, comprese nella fornitura

Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Ugello refrigerante	Chiave per staffa laterale	Chiave per staffa superiore
C6...	W200613-T20P	W240618-T25P	CN6	T20P-7	T25P-7

Steadyline®, unità GL – utensili per inserti chaser, per lavorazioni interne

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 178, 179

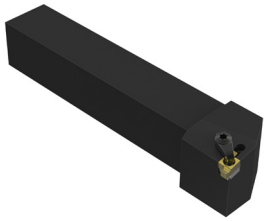
Codice di ordinazione	Codice prodotto	DCSFMS	LF	WF	Peso	CTWS
		mm	mm	mm	kg	
GL50-CNR-32035-9-I	03011855	50,0	35,0	32,0	0,4	12.700
GL50-CNR-32038-1-X	03008525	50,0	38,0	32,0	0,4	15.875
GL50-CNR-32044-5-X	03008552	50,0	44,0	32,0	0,5	25.000
GL50-CNL-32035-9-I	03011856	50,0	35,0	32,0	0,5	12.700
GL50-CNL-32038-1-X	03008526	50,0	38,0	32,0	0,5	15.875
GL50-CNL-32044-5-X	03008553	50,0	44,0	32,0	0,5	25.000

Parti di ricambio, comprese nella fornitura

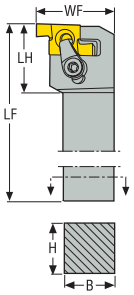
Per attacco	Kit per bloccaggio laterale	Kit per bloccaggio superiore	Chiave per staffa	Chiave per staffa laterale	Chiave per staffa superiore
...9-1	W200613-T20P	–	T20P-2D	–	–
...1-X, ...5-X	W200613-T20P	W240618-T25P	–	T20P-2D	T25P-7

Utensili per scanalature assiali di precisione

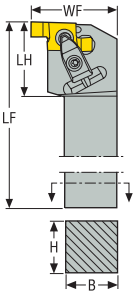
Snap-Tap®

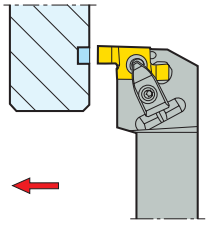


CEAR/L...D



CEAR/L...HD/QHD





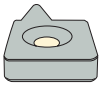
- Versione destra in figura
- Per il programma inserti e INPLM, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF	WF 10../14../20..	WF2 12..	LH 10../14..	INPLM 10../14../20..	INPLM2 12..	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CEAR2525M10D	02411447	25,0	25,0	150,0	35,35	38,35	22,0	16,0	18,0	0,8	10../ 12..
CEAL2525M10D	02411448	25,0	25,0	150,0	35,35	38,35	22,0	16,0	18,0	0,8	10../ 12..
CEAR2525M14HD	02627517	25,0	25,0	150,0	36,85	–	31,0	22,0	–	0,8	14..
CEAL2525M14HD	02627516	25,0	25,0	150,0	36,85	–	31,0	22,0	–	0,8	14..
CEAR2525M20QHD	02528518	25,0	25,0	150,0	39,35	–	35,0	28,0	–	0,9	20..
CEAL2525M20QHD	02528519	25,0	25,0	150,0	39,35	–	35,0	28,0	–	0,9	20..

Parti di ricambio, comprese nella fornitura

Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (KL)	Supporto inserto (KR)	Vite supporto	Molla
CEAR..10	–	T15P-2	CSP16-T15P	–	–	AKR10	CS2507-T07P	–
CEAL..10	–	T15P-2	CSP16-T15P	–	AKL10	–	CS2507-T07P	–
CEAR..14	CHD16	T15P-2	–	L85020-T15P	–	AKR14	CS3507-T09P	S6912
CEAL..14	CHD16	T15P-2	–	L85020-T15P	AKL14	–	CS3507-T09P	S6912
CEAR..20	CHD22	T20P-7	–	L86025-T20P	–	AKR20	CS4009-T15P	S7616
CEAL..20	CHD22	T20P-7	–	L86025-T20P	AKL20	–	CS4009-T15P	S7616

Accessori

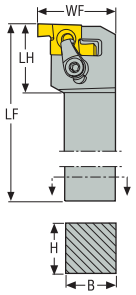
Per attacco	Supporto inserto (K)	Chiave per vite supporto
		
CEAR..10	KX12-2	T07P-2
CEAL..10	KX12-2	T07P-2
CEAR..14	–	T09P-2
CEAL..14	–	T09P-2
CEAR..20	–	T15P-2
CEAL..20	–	T15P-2

Supporto KX12-2 per inserto 12..

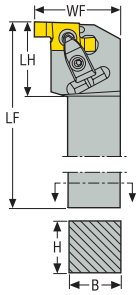
Utensili per scanalature assiali di precisione

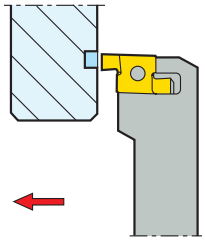
Snap-Tap®

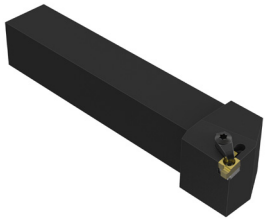
CEAR/L...D



CEAR/L...HD/QHD







- Per il programma inserti, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CEAR1006-10	00072625	1.000	1.000	6.000	1.392	1.110	2.200	10 *12EAR*
CEAL1006-10	00072613	1.000	1.000	6.000	1.392	1.110	1.980	10 *12EAL*
CEAR1006-14	00072623	1.000	1.000	6.000	1.451	1.110	2.200	14EAR

Parti di ricambio, comprese nella fornitura

Per dimensione	Chiave per vite staffa	Kit di bloccaggio	Supporto inserto (KL)	Supporto inserto (KR)	Supporto inserto	Chiave per vite supporto	Vite supporto
CEAR..-10	T15P-2	CSP16-T15P	–	AKR10	–	–	CS2507-T07P
CEAL..-10	T15P-2	CSP16-T15P	AKL10	–	–	–	CS2507-T07P
CEAR..-14	T15P-2	CSP16-T15P	–	–	AKR14	T09P-2	CS3507-T09P

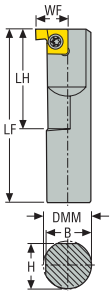
Accessori

Per dimensione	Supporto inserto (K)	Chiave per vite supporto
CEAR..-10	–	T07P-2
CEAL..-10	KX12-2	T07P-2
CEAR..-14	–	–

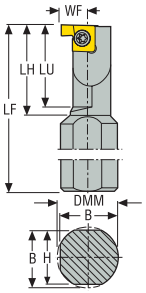
Utensili per scanalature di precisione

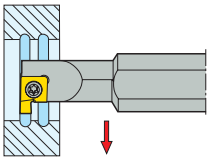
Snap-Tap®

SNR/L..H09



SNR/L





- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)
- DCINN - Diametro minimo di lavoro

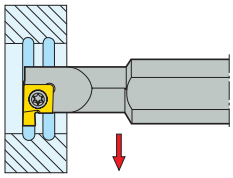
Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	LU	DMM	DCINN	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
SNR0010H9	75025330	9,5	9,5	100,0	7,5	20,0	–	10,0	14,0	0,1	9..
SNR0010K9	75025332	15,5	15,5	125,0	6,5	25,0	23,0	16,0	14,0	0,2	9..
SNR0013L9	75025334	15,5	15,5	140,0	8,0	32,0	30,0	16,0	17,0	0,2	9..
SNR0016M9	75025336	15,5	15,5	150,0	9,5	40,0	38,0	16,0	20,0	0,3	9..
SNL0010H9	75025331	9,5	9,5	100,0	7,5	20,0	–	10,0	14,0	0,1	9..
SNL0010K9	75025333	15,5	15,5	125,0	6,5	25,0	23,0	16,0	14,0	0,2	9..
SNL0013L9	75025335	15,5	15,5	140,0	8,0	32,0	30,0	16,0	17,0	0,2	9..
SNL0016M9	75025337	15,5	15,5	150,0	9,5	40,0	38,0	16,0	20,0	0,3	9..

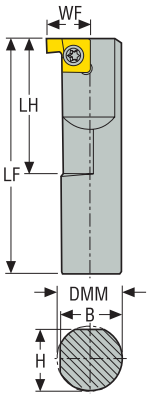
Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
..9	T07P-2	C02506-T07P

Utensili per scanalature di precisione

Snap-Tap®





- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

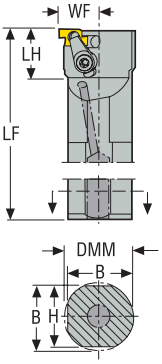
Codice di ordinazione	Codice prodotto	H	B	DMM	LF	LH	WF	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
SNR00037550-9	00072560	0.625	0.654	0.375	5.000	1.000	0.266	0.440	9..
SNR0005055-9	00072586	0.441	0.470	0.500	5.500	1.250	0.319	0.660	9..
SNR00062560-9	00072588	0.566	0.587	0.625	6.000	1.500	0.378	0.660	9..
SNL00037540-9	00072552	0.336	0.350	0.375	4.000	–	0.299	0.220	9..
SNL00037550-9	00072595	0.336	0.350	0.375	5.000	1.000	0.259	0.440	9..
SNR00037560-9-H	00072562	0.441	0.350	0.375	6.000	–	0.299	0.660	9..

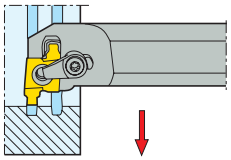
Parti di ricambio, comprese nella fornitura

Per dimensione	Chiave per vite inserto	Vite di bloccaggio inserto
..-9	T07P-2	C02506-T07P

Utensili per scanalature di precisione

Snap-Tap®

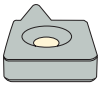




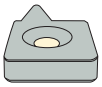
- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)
- DCINN - Diametro minimo di lavoro
- WF (10../14../20../26..) = WF2 (12..)

Codice di ordinazione	Codice prodotto	H	B	LF	WF	WF2	LH	DMM	DCINN	DCINN2	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
CNR0020P10DA	02411454	18,0	19,0	170,0	13,5	16,5	26,0	20,0	26,0	29,0	0,4	10../12..
CNR0025R10DA	02411459	23,0	24,0	200,0	16,0	19,0	28,0	25,0	31,0	34,0	0,7	10../12..
CNR0032S10DA	02411467	30,0	31,0	250,0	19,5	22,5	31,0	32,0	38,0	41,0	1,4	10../12..
CNL0020P10DA	02411456	18,0	19,0	170,0	13,5	16,5	26,0	20,0	26,0	29,0	0,4	10../12..
CNL0025R10DA	02411464	23,0	24,0	200,0	16,0	19,0	28,0	25,0	31,0	34,0	0,7	10../12..
CNL0032S10DA	02411468	30,0	31,0	250,0	19,5	22,5	31,0	32,0	38,0	41,0	1,4	10../12..
CNR0020P14A	00040041	18,0	19,0	170,0	15,0	–	32,0	20,0	30,0	–	0,4	14..
CNR0025R14A	00040042	23,0	24,0	200,0	17,5	–	45,0	25,0	34,0	–	0,7	14..
CNR0032S14A	00040043	30,0	31,0	250,0	21,0	–	48,0	32,0	40,0	–	1,4	14..
CNR0040T14A	00040044	37,0	38,5	300,0	25,0	–	50,0	40,0	48,0	–	2,6	14..
CNL0020P14A	00040045	18,0	19,0	170,0	15,0	–	32,0	20,0	30,0	–	0,4	14..
CNL0025R14A	00040046	23,0	24,0	200,0	17,5	–	45,0	25,0	34,0	–	0,7	14..
CNL0032S14A	00040047	30,0	31,0	250,0	21,0	–	48,0	32,0	40,0	–	1,4	14..

Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite staffa	Kit di bloccaggio	Supporto inserto (K)	Vite supporto
				
..10	T15P-2	CSP16-T15P	KX10-2	CS2507-T07P
..14	T15P-2	CSP16-T15P	KX14-2	CS3507-T09P

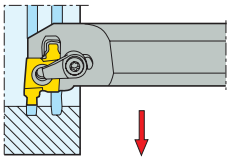
Accessori

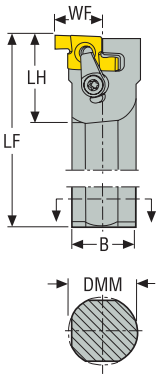
Per attacco	Supporto inserto (K)	Chiave per vite supporto
		
..10	KX12-2	T07P-2
..14	–	T09P-2

Supporto KX12-2 per inserto 12..

Utensili per scanalature di precisione

Snap-Tap®

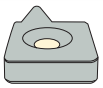




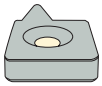
- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CNR000757-10	00072573	0.691	0.707	7.000	0.490	1.480	1.100	10../12..
CNL000757-10	00072624	0.650	0.707	7.000	0.490	1.480	0.880	10../12..
CNR001008-10	00072569	0.921	0.957	8.000	0.618	2.500	1.760	10../12..
CNL001008-10	00072610	0.902	0.957	8.000	0.620	1.559	1.760	10../12..
CNR0012510-10	00072563	1.150	1.209	10.000	0.750	1.772	3.310	10../12..
CNR0015012-10	00072592	1.339	1.427	12.008	0.858	1.772	5.730	10../12..
CNR00075010-10-H	00072583	0.691	0.730	10.000	0.490	1.480	2.650	10../12..
CNR000757-14	00072571	0.691	0.707	7.000	0.570	1.693	0.880	14..
CNR001008-14	00072567	0.921	0.957	8.000	0.700	1.732	1.980	14..
CNL001008-14	00072582	1.000	0.961	8.000	0.704	–	1.760	14..
CNR0012510-14	00072561	1.150	1.209	10.000	0.831	1.969	3.530	–

Parti di ricambio, comprese nella fornitura

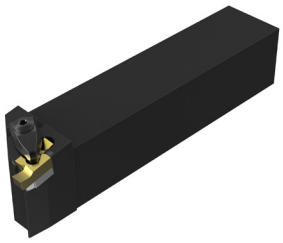
Per dimensione	Chiave per vite staffa	Kit di bloccaggio	Supporto inserto (K)	Vite supporto
				
..-10	T15P-2	CSP16-T15P	KX10-2	CS2507-T07P
..-10-10-H	T15P-2	CSP16-T15P	KX10-2	CS2507-T07P
..-14	T15P-2	CSP16-T15P	KX14-2	CS3507-T09P

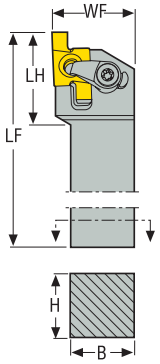
Accessori

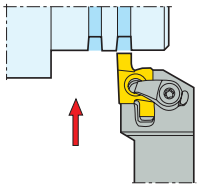
Per dimensione	Supporto inserto (K)	Chiave per vite supporto
		
..-10	KX12-2	T07P-2
..-10-10-H	–	T07P-2
..-14	–	–

Utensili per scanalature di precisione

Snap-Tap



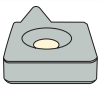




- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER0504-10Q	00072566	0.500	0.500	4.000	0.625	0.900	0.440	10../12..
CER0755-10Q	00072564	0.750	0.750	5.000	1.000	0.900	1.100	10../12..
CEL0755-10Q	00072559	0.750	0.750	5.000	1.000	0.900	1.100	10../12..
CER1006-10Q	00072600	1.000	1.000	6.000	1.250	0.900	1.980	10../12..
CEL1006-10Q	00072596	1.000	1.000	6.000	1.250	0.900	1.980	10../12..
CER1006-14Q	00072634	1.000	1.000	6.000	1.250	1.100	1.760	14..
CEL1006-14Q	00072628	1.000	1.000	6.000	1.250	1.100	1.980	14..

Parti di ricambio, comprese nella fornitura

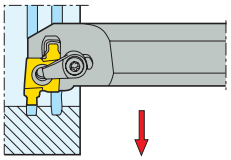
Per dimensione	Chiave per vite staffa	Kit di bloccaggio	Supporto inserto (K)	Vite supporto
				
..-10Q	T15P-2	CSP16-T15P	KX10-2	CS2507-T07P
R..-14Q	T15P-2	CSP16-T15P	KX14-2	CS3507-T09P
L..-14Q	T15P-2	CSP16-T15P	KX14-2	CS3507-T09P

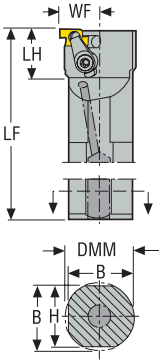
Accessori

Per dimensione	Supporto inserto (K)	Chiave per vite supporto
..-10Q	KX12-2	T07P-2
R..-14Q	–	T09P-2
L..-14Q	–	T09P-2

Utensili per scanalature di precisione

Snap-Tap®

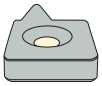




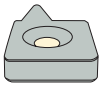
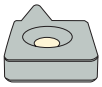
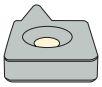
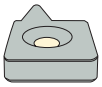
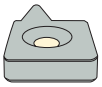
- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)
- DCINN - Diametro minimo di lavoro
- WF (10../14../20../26..) = WF2 (12..)

Codice di ordinazione	Codice prodotto	DMM	H	B	LF	WF	LH	DCINN	DCINN2	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CNR001008-20AHD	02562823	1.000	0.902	0.957	7.992	0.705	1.969	1.400	–	1.540	20..
CNL001008-20AHD	02562826	1.000	0.902	0.957	7.992	0.705	1.969	1.400	–	1.540	20..
CNR0012510-20AHD	02562824	1.250	1.150	1.209	10.000	0.945	2.165	1.700	1.400	3.310	20..
CNL0012510-20AHD	02562827	1.250	1.150	1.209	10.000	0.945	2.165	1.700	1.400	3.310	20..
CNR0015012-20AHD	02562825	1.500	1.339	1.427	12.008	1.063	2.165	2.000	1.600	5.510	20..
CNL0015012-20AHD	02562828	1.500	1.339	1.427	12.008	1.063	2.165	2.000	1.600	5.510	20..
CNR0012510-26AHD	02562830	1.250	1.150	1.209	10.000	1.063	2.323	2.000	1.600	3.090	26..
CNL0012510-26AHD	02564043	1.250	1.150	1.209	10.000	1.063	2.323	2.000	1.600	3.090	26..
CNR0015012-26AHD	02562831	1.500	1.339	1.427	12.008	1.183	2.323	2.100	2.100	5.510	26..
CNL0015012-26AHD	02563555	1.500	1.339	1.427	12.008	1.177	2.323	2.100	2.100	5.510	26..
CNR0017514-26AHD	02562832	1.750	1.591	1.677	13.976	1.307	2.283	2.300	1.800	8.820	26..
CNL0017514-26AHD	02563563	1.750	1.591	1.677	13.976	1.307	2.283	2.300	1.800	8.820	26..
CNR0020014-26AHD	02562833	2.000	1.843	1.929	13.976	1.433	2.283	2.500	2.000	11.460	26..
CNR0025016-26AHD	02562834	2.500	2.343	2.429	15.984	1.683	2.283	3.000	2.500	20.720	26..
CNL0025016-26AHD	02563564	2.500	2.343	2.429	15.984	1.683	2.283	3.000	2.500	20.720	26..

Parti di ricambio, comprese nella fornitura

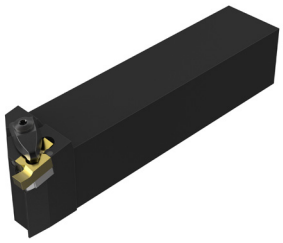
Per attacco	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (K)	Grano	Vite supporto	Molla
							
..-20	CHD22	T20P-7	L86025-T20P	KX20-2	P6SS4X4G	CS4009-T15P	S7616
..-26	CHD27	T20P-7	L86025-T20P	KX26-2	P6SS4X4G	C05012-T15P	S7616

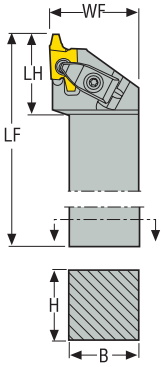
Accessori

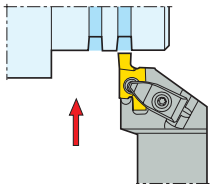
Per attacco	Supporto inserto (K) 1	Supporto inserto (K) 2	Supporto inserto (K) 3	Supporto inserto (K) 4	Supporto inserto (K) 5	Supporto inserto (K) 6	Chiave per vite supporto
							
..-20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
..-26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2

Utensili per scanalature di precisione

Snap-Tap



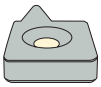




- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	lb	
CER1006-20QHD	02529045	1.000	1.000	6.000	1.250	1.300	1.980	20..
CEL1006-20QHD	02529053	1.000	1.000	6.000	1.250	1.300	1.980	20..
CER1256-20QHD	02529057	1.250	1.250	6.000	1.500	1.417	2.870	20..
CEL1256-20QHD	02529061	1.250	1.250	6.000	1.500	1.300	2.870	20..
CER1006-26QHD	02529063	1.000	1.000	6.000	1.250	1.800	2.200	26..
CEL1006-26QHD	02529064	1.000	1.000	6.000	1.250	1.800	2.200	26..
CER1256-26QHD	02529066	1.250	1.250	6.000	1.500	1.800	3.090	26..
CER1506-26QHD	02529069	1.500	1.500	6.000	1.750	1.800	3.970	26..

Parti di ricambio, comprese nella fornitura

Per dimensione	Staffa	Chiave per vite staffa	Vite staffa	Supporto inserto (K)	Vite supporto	Molla
						
..-20Q	CHD22	T20P-7	L86025-T20P	KX20-2	CS4009-T15P	S7616
..-26Q	CHD27	T20P-7	L86025-T20P	KX26-2	C05012-T15P	S7616

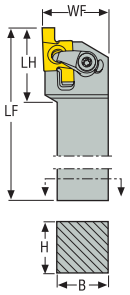
Accessori

Per dimensione	Supporto inserto (K) 1	Supporto inserto (K) 2	Supporto inserto (K) 3	Supporto inserto (K) 4	Supporto inserto (K) 5	Supporto inserto (K) 6	Chiave per vite supporto
..-20	KX20-99	KX20-0	KX20-1	KX20-3	KX20-4	KX20-5	T15P-2
..-26	KX26-99	KX26-0	KX26-1	KX26-3	KX26-4	KX26-5	T15P-2

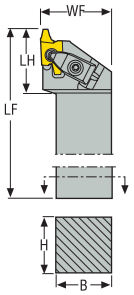
Utensili per scanalature di precisione

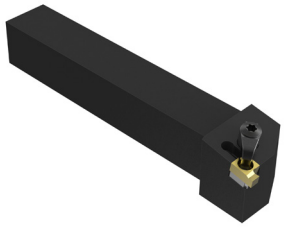
Snap-Tap®

CER/L...D



CER/L...QHD





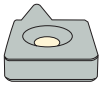
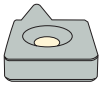
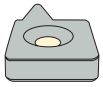
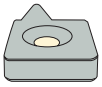
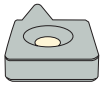
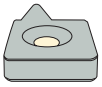
- Versione destra in figura
- Per il programma inserti, vedere il catalogo Turning (Tornitura)

Codice di ordinazione	Codice prodotto	H	B	LF 10../14..	LF2 12	WF	LH 10../14..	LH2 12	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	
CER1212M10D	02435850	12,0	12,0	150,0	153,0	16,0	21,5	24,5	0,2	10../ 12..
CER1616H10D	02411427	16,0	16,0	100,0	103,0	16,0	21,5	24,5	0,2	10../ 12..
CER2020K10D	02411428	20,0	20,0	125,0	128,0	25,0	21,5	24,5	0,4	10../ 12..
CER2525M10D	02411430	25,0	25,0	150,0	153,0	32,0	21,5	24,5	0,8	10../ 12..
CER3225P10D	02411432	32,0	25,0	170,0	173,0	32,0	22,5	25,5	1,1	10../ 12..
CEL1212M10D	02435852	12,0	12,0	150,0	153,0	16,0	21,5	24,5	0,2	10../ 12..
CEL1616H10D	02411436	16,0	16,0	100,0	103,0	16,0	21,5	24,5	0,2	10../ 12..
CEL2020K10D	02411437	20,0	20,0	125,0	128,0	25,0	21,5	24,5	0,4	10../ 12..
CEL2525M10D	02411438	25,0	25,0	150,0	153,0	32,0	21,5	24,5	0,8	10../ 12..
CEL3225P10D	02411440	32,0	25,0	170,0	173,0	32,0	22,5	25,5	1,1	10../ 12..
CER2525M14QHD	02538606	25,0	25,0	150,0	–	32,0	26,0	–	0,8	14..
CER3225P14QHD	02627519	32,0	25,0	170,0	–	32,0	26,0	–	1,1	14..
CER3232P14QHD	02627520	32,0	32,0	170,0	–	32,0	26,0	–	1,4	14..
CEL2525M14QHD	02627518	25,0	25,0	150,0	–	32,0	26,0	–	0,8	14..

Parti di ricambio, comprese nella fornitura

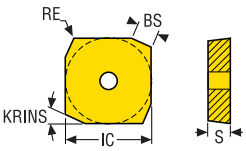
Per attacco	Staffa	Chiave per vite staffa	Kit di bloccaggio	Vite staffa	Supporto inserto (K)	Vite supporto	Molla
..10	–	T15P-2	CSP16-T15P	–	KX10-2	CS2507-T07P	–
..14	CHD16	T15P-2	–	L85020-T15P	KX14-2	CS3507-T09P	S6912

Accessori

Per attacco	Supporto inserto (K)	Supporto inserto (K) 1	Supporto inserto (K) 2	Supporto inserto (K) 3	Supporto inserto (K) 4	Supporto inserto (K) 5	Chiave per vite supporto
							
..10	KX12-2	–	–	–	–	–	T07P-2
..14	–	KX14-0	KX14-1	KX14-3	KX14-4	KX14-5	T09P-2

Supporto KX12-2 per inserto 12..

SCNN for peeling

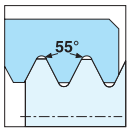


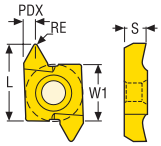
Codice di ordinazione	Nota	RE	BS	IC	S	KRINS°	Qualità Rivestite
		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		TP250T
SCNN250640-R25	*	4,0 *0.157*	6,2 *0.244*	25,0 *0.984*	6,35 *0.250*	23	■
SCNN250640-R30		4,0 *0.157*	6,6 *0.260*	25,0 *0.984*	6,35 *0.250*	28	■

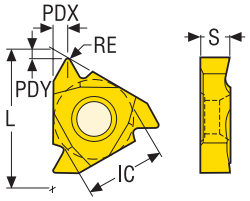
* R25 per l'uso solo in tasche a 25 gradi - non a 30 gradi - R30
■ **Prodotto standard.**

Profilo parziale 55° – filettatura esterna

Snap-Tap®







16ER..

16ER..A

16ER..A1

16ER..A2

16V55*

22ER..

26ER/26NR..

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ERA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERAG55	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ERAG55-A	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16ERAG55-A1	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERAG55-A2	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERG55	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	
16ERG55-A	1,75-3	14-8	0,2 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16ERG55-A1	1,75-3	14-8	0,2 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERG55-A2	1,75-3	14-8	0,2 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22ERN55	3,5-5	7-5	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		■
26ERK55	5,5-10	4.5-2.5	0,7 *0.028*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		
26NRK55	5,5-10	4.5-2.5	0,7 *0.028*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*			■		
	–	–	– –	– –	– –	– –	– –	– –	– –					

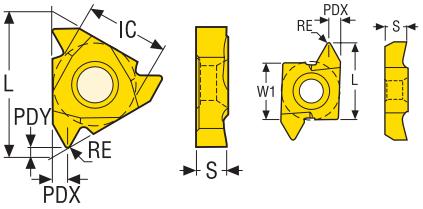
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ELA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ELAG55	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ELG55	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22ELN55	3,5-5	7-5	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		

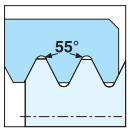
■ **Prodotto standard.**

* Contenuto del set di utensili: 3 pz 16ERG55, CP500, 3 pz 16NRG55, CP500, 2 pz 16ERA55, CP500 e 2 pz 16NRA55, CP500

Profilo parziale 55° – filettatura Interna

Snap-Tap®





09NR/11Nx/16Nx/22Nx..

16NR..A

16NR..A1

16NR..A2

26ER/26NR..

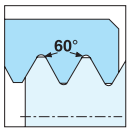
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
09NRA55	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	– –	9,6 *0.378*	2,4 *0.094*			■		
11NRA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■		■
16NRA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		■
16NRAG55	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	
16NRAG55-A	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16NRAG55-A1	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRAG55-A2	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRG55	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	
16NRG55-A	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16NRG55-A1	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRG55-A2	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22NRN55	3,5-5	7-5	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		■
26ERK55	5,5-10	4.5-2.5	0,7 *0.028*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		

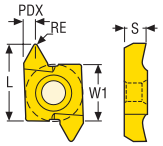
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
11NLA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■		
16NLA55	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NLAG55	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NLG55	1,75-3	14-8	0,2 *0.008*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22NLN55	3,5-5	7-5	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		

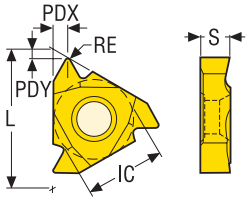
■ **Prodotto standard.**

Profilo parziale 60° – filettatura esterna

Snap-Tap®







16ER..A

16ER..A1

16ER..A2

16Ex/22Ex..

16V60*

26ER/26NR

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ERA60	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ERA60-A	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16ERA60-A1	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERA60-A2	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERAG60-A	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16ERAG60-A1	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERAG60-A2	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERAG60	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ERG60	1,75-3	14-8	0,18 *0.007*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ERG60-A	1,75-3	14-8	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16ERG60-A1	1,75-3	14-8	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ERG60-A2	1,75-3	14-8	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22ERN60	3,5-5	7-5	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*	■	■	■		■
26ERK60	5,5-10	4.5-2.5	0,4 *0.016*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		
26NRK60	5,5-10	4.5-2.5	0,4 *0.016*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		
	–	–	– –	– –	– –	– –	– –	– –	– –					

■ **Prodotto standard.**

* Contenuto del set di utensili: 3 pz 16ERG60, CP500, 3 pz 16NRG60, CP500, 2 pz 16ERA60, CP500 e 2 pz 16NRA60, CP500

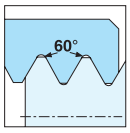
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ELA60	0,5-1,5	48-16	0,08 *0.003*	0,6 *0.024*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16ELAG60	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		

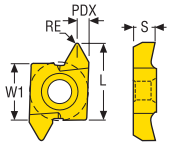
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ELG60	1,75-3	8-14	0,18 *0.007*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22ELN60	3,5-5	5-7	0,4 *0.016*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		

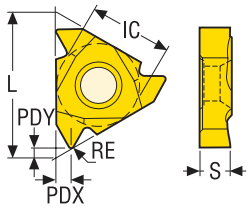
■ **Prodotto standard.**

Profilo parziale 60° – filettatura Interna

Snap-Tap®







11NR/16NR..A

11NR/16NR..A1

11NR/16NR..A2

26ER/26NR

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
09NRA60	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	– –	9,6 *0.378*	2,4 *0.094*			■		
11NRA60	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NRA60	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		■
11NRA60-A	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■	■	
11NRA60-A1	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■		
11NRA60-A2	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■		
16NRAG60	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NRAG60-A	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16NRAG60-A1	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRAG60-A2	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRG60	1,75-3	14-8	0,12 *0.005*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NRG60-A	1,75-3	14-8	0,12 *0.005*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■	■	
16NRG60-A1	1,75-3	14-8	0,12 *0.005*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NRG60-A2	1,75-3	14-8	0,12 *0.005*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22NRN60	3,5-5	7-5	0,25 *0.010*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*	■	■	■		■
26NRK60	5,5-10	4.5-2.5	0,4 *0.016*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		
26ERK60	5,5-10	4.5-2.5	0,4 *0.016*	– –	5,0 *0.197*	– –	15,875 *0.625*	26,0 *1.024*	7,88 *0.310*		■	■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
11NLA60	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	– –	11,0 *0.433*	3,0 *0.118*			■		
16NLA60	0,5-1,5	48-16	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		

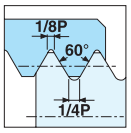
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	W1	L	S	Qualità				
										Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NLAG60	0,5-3	48-8	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
16NLG60	1,75-3	14-8	0,12 *0.005*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	– –	16,5 *0.650*	3,47 *0.137*			■		
22NLN60	3,5-5	7-5	0,25 *0.010*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	– –	22,0 *0.866*	4,71 *0.185*			■		

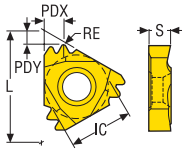
■ **Prodotto standard.**

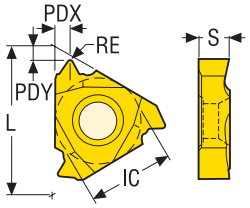
Metrica ISO - filettatura esterna

Snap-Tap®

ISO965/1 - 1980
3h/4h







16ER/22ER/27ER..M

16ER..A

16ER..A1

16ER..A2

16ER..TT

16Ex/22Ex/27ER

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER0.5ISO	0,5	–	0,06 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER0.75ISO	0,75	–	0,11 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER0.8ISO	0,8	–	0,11 *0.004*	0,8 *0.031*	0,6 *0.024*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.0ISO	1	–	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER1.0ISO-A	1	–	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER1.0ISO-A1	1	–	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.0ISO-A2	1	–	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.0ISO-TT	1	–	0,14 *0.006*	1,3 *0.051*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.0ISO3M	1	–	0,14 *0.006*	1,5 *0.059*	2,4 *0.094*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.25ISO	1,25	–	0,17 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER1.25ISO-A	1,25	–	0,17 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER1.25ISO-A1	1,25	–	0,17 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.25ISO-A2	1,25	–	0,17 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.5ISO	1,5	–	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER1.5ISO-A	1,5	–	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER1.5ISO-A1	1,5	–	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.5ISO-A2	1,5	–	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.5ISO-TT	1,5	–	0,22 *0.009*	1,3 *0.051*	1,8 *0.071*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.5ISO2M	1,5	–	0,22 *0.009*	1,5 *0.059*	2,2 *0.087*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER1.5ISO3M	1,5	–	0,22 *0.009*	2,3 *0.091*	3,6 *0.142*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER1.75ISO	1,75	–	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER1.75ISO-A	1,75	–	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER1.75ISO-A1	1,75	–	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER1.75ISO-A2	1,75	–	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER2.0ISO	2	–	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER2.0ISO-A	2	–	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER2.0ISO-A1	2	–	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER2.0ISO-A2	2	–	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER2.0ISO-TT	2	–	0,29 *0.011*	1,6 *0.063*	2,4 *0.094*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER2.0ISO2M	2	–	0,29 *0.011*	2,0 *0.079*	2,9 *0.114*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22ER2.0ISO3M	2	–	0,29 *0.011*	3,0 *0.118*	4,8 *0.189*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER2.5ISO	2,5	–	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER2.5ISO-A	2,5	–	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER2.5ISO-A1	2,5	–	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER2.5ISO-A2	2,5	–	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER3.0ISO	3	–	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER3.0ISO-A	3	–	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER3.0ISO-A1	3	–	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER3.0ISO-A2	3	–	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
27ER3.0ISO2M	3	–	0,42 *0.017*	2,8 *0.110*	4,3 *0.169*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22ER3.5ISO	3,5	–	0,47 *0.019*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■	■	■		■
22ER4.0ISO	4	–	0,53 *0.021*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■	■	■		■
22ER4.5ISO	4,5	–	0,59 *0.023*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22ER5.0ISO	5	–	0,66 *0.026*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■		■		■
27ER5.5ISO	5,5	–	0,72 *0.028*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
27ER6.0ISO	6	–	0,79 *0.031*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■	■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL0.5ISO	0,5	–	0,06 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL0.75ISO	0,75	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL0.8ISO	0,8	–	0,11 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL1.0ISO	1	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL1.25ISO	1,25	–	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL1.5ISO	1,5	–	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*		■	■		
16EL1.75ISO	1,75	–	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL2.0ISO	2	–	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL2.5ISO	2,5	–	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL3.0ISO	3	–	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22EL3.5ISO	3,5	–	0,47 *0.019*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL4.0ISO	4	–	0,53 *0.021*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL4.5ISO	4,5	–	0,59 *0.023*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL5.0ISO	5	–	0,66 *0.026*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

Metrica ISO - filettatura interna

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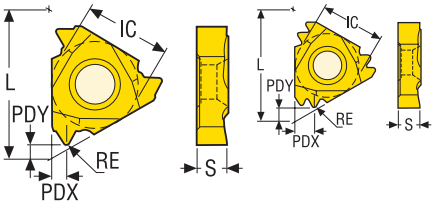
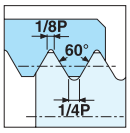




ISO965/1 - 1980
3h/4h

09NR/11Nx/16Nx/22Nx/27NR

11NR/16NR..A

11NR/16NR..A1

11NR/16NR..A2

16NR/22NR..M

16NR..TT

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
09NR0.5ISO	0,5	–	0,04 *0.002*	0,7 *0.028*	0,6 *0.024*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR0.5ISO	0,5	–	0,03 *0.001*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR0.5ISO	0,5	–	0,03 *0.001*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
11NR0.75ISO	0,75	–	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR0.75ISO	0,75	–	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
09NR0.8ISO	0,8	–	0,07 *0.003*	0,7 *0.028*	0,6 *0.024*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
09NR1.0ISO	1	–	0,07 *0.003*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR1.0ISO	1	–	0,08 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NR1.0ISO	1	–	0,08 *0.003*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
11NR1.0ISO-A	1	–	0,08 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■	■	
16NR1.0ISO-A	1	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
11NR1.0ISO-A1	1	–	0,08 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR1.0ISO-A1	1	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR1.0ISO-A2	1	–	0,08 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR1.0ISO-A2	1	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR1.0ISO-TT	1	–	0,09 *0.004*	1,3 *0.051*	1,2 *0.047*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR1.0ISO3M	1	–	0,08 *0.003*	1,5 *0.059*	2,4 *0.094*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
09NR1.25ISO	1,25	–	0,11 *0.004*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR1.25ISO	1,25	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR1.25ISO	1,25	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
09NR1.5ISO	1,5	–	0,12 *0.005*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
11NR1.5ISO	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NR1.5ISO	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
11NR1.5ISO-A	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■	■	
16NR1.5ISO-A	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
11NR1.5ISO-A1	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR1.5ISO-A1	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR1.5ISO-A2	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR1.5ISO-A2	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR1.5ISO-TT	1,5	–	0,12 *0.005*	1,3 *0.051*	1,8 *0.071*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR1.5ISO2M	1,5	–	0,12 *0.005*	1,4 *0.055*	2,1 *0.083*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR1.5ISO3M	1,5	–	0,12 *0.005*	2,3 *0.091*	3,6 *0.142*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
09NR1.75ISO	1,75	–	0,12 *0.005*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR1.75ISO	1,75	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR1.75ISO	1,75	–	0,12 *0.005*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
09NR2.0ISO	2	–	0,17 *0.007*	0,7 *0.028*	0,9 *0.035*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR2.0ISO	2	–	0,17 *0.007*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NR2.0ISO	2	–	0,17 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
11NR2.0ISO-A	2	–	0,17 *0.007*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■	■	
16NR2.0ISO-A	2	–	0,16 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
11NR2.0ISO-A1	2	–	0,17 *0.007*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR2.0ISO-A1	2	–	0,16 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR2.0ISO-A2	2	–	0,17 *0.007*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR2.0ISO-A2	2	–	0,16 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR2.0ISO-TT	2	–	0,18 *0.007*	1,6 *0.063*	2,4 *0.094*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR2.0ISO2M	2	–	0,17 *0.007*	2,0 *0.079*	2,9 *0.114*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NR2.0ISO3M	2	–	0,17 *0.007*	3,0 *0.118*	4,8 *0.189*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR2.5ISO	2,5	–	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR2.5ISO-A	2,5	–	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR2.5ISO-A1	2,5	–	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR2.5ISO-A2	2,5	–	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR3.0ISO	3	–	0,21 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR3.0ISO-A	3	–	0,21 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR3.0ISO-A1	3	–	0,21 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR3.0ISO-A2	3	–	0,21 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
27NR3.0ISO2M	3	–	0,21 *0.008*	2,8 *0.110*	4,3 *0.169*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22NR3.5ISO	3,5	–	0,25 *0.010*	1,9 *0.075*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■		■		■
22NR4.0ISO	4	–	0,28 *0.011*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■	■	■		■
22NR4.5ISO	4,5	–	0,32 *0.013*	2,1 *0.083*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22NR5.0ISO	5	–	0,35 *0.014*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	■		■		■
27NR5.5ISO	5,5	–	0,38 *0.015*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
27NR6.0ISO	6	–	0,42 *0.017*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■	■		

■ **Prodotto standard.**

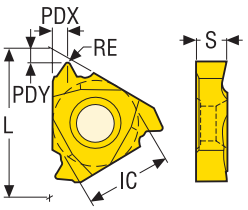
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
11NL0.5ISO	0,5	–	0,03 *0.001*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL0.5ISO	0,5	–	0,03 *0.001*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL0.75ISO	0,75	–	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL0.75ISO	0,75	–	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL1.0ISO	1	–	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL1.0ISO	1	–	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
11NL1.25ISO	1,25	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL1.25ISO	1,25	–	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL1.5ISO	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL1.5ISO	1,5	–	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16NL1.75ISO	1,75	–	0,12 *0.005*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL2.0ISO	2	–	0,17 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL2.5ISO	2,5	–	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL3.0ISO	3	–	0,21 *0.008*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NL3.5ISO	3,5	–	0,25 *0.010*	1,9 *0.075*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

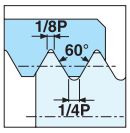
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NL4.0ISO	4	–	0,28 *0.011*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL4.5ISO	4,5	–	0,32 *0.013*	2,1 *0.083*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL5.0ISO	5	–	0,35 *0.014*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

UN - Filettatura esterna

Snap-Tap®





ANSI B1.1 - 1983
3A

16ER..A

16ER..A1

16ER..A2

16ER..TT

16Ex/22Ex/27ER

22ER..M

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
27ER4UN	–	4	0,79 *0.031*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22ER5UN	–	5	0,6 *0.024*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22ER6UN	–	6	0,52 *0.020*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22ER7UN	–	7	0,47 *0.019*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
16ER8UN	–	8	0,38 *0.015*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER8UN-A	–	8	0,43 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER8UN-A1	–	8	0,43 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER8UN-A2	–	8	0,43 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER9UN	–	9	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER10UN	–	10	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER11UN	–	11	0,28 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER12UN	–	12	0,26 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER12UN-A	–	12	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER12UN-A1	–	12	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER12UN-A2	–	12	0,29 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER12UN-TT	–	12	0,29 *0.011*	1,7 *0.067*	2,6 *0.102*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER12UN2M	–	12	0,26 *0.010*	2,0 *0.079*	3,1 *0.122*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER13UN	–	13	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14UN	–	14	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER14UN-A	–	14	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER14UN-A1	–	14	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER14UN-A2	–	14	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER16UN	–	16	0,22 *0.009*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER16UN-A	–	16	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER16UN-A1	–	16	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER16UN-A2	–	16	0,22 *0.009*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER16UN-TT	–	16	0,21 *0.008*	1,4 *0.055*	1,9 *0.075*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER16UN3M	–	16	0,21 *0.008*	2,5 *0.098*	4,0 *0.157*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER18UN	–	18	0,18 *0.007*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	■
16ER18UN-A	–	18	0,18 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER18UN-A1	–	18	0,18 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER18UN-A2	–	18	0,18 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER20UN	–	20	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	■
16ER20UN-A	–	20	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER20UN-A1	–	20	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER20UN-A2	–	20	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER20UN-TT	–	20	0,16 *0.006*	1,2 *0.047*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER24UN	–	24	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*		■	■		■
16ER28UN	–	28	0,11 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*		■	■		■
16ER32UN	–	32	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER40UN	–	40	0,08 *0.003*	1,2 *0.047*	0,5 *0.020*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22EL5UN	–	5	0,6 *0.024*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL6UN	–	6	0,52 *0.020*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL7UN	–	7	0,47 *0.019*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16EL8UN	–	8	0,38 *0.015*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL9UN	–	9	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL10UN	–	10	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL11UN	–	11	0,28 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

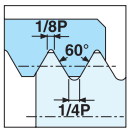
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL12UN	–	12	0,26 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL14UN	–	14	0,22 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL16UN	–	16	0,22 *0.009*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL18UN	–	18	0,18 *0.007*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL20UN	–	20	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL24UN	–	24	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL28UN	–	28	0,11 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL32UN	–	32	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

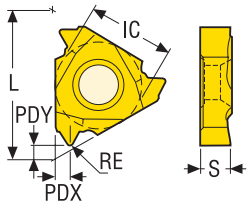
■ **Prodotto standard.**

UN - Filettatura Interna

Snap-Tap®

ANSI B1.1 - 1983
3B





09NR/11Nx/16Nx/22Nx/27NR

16NR/22NR..M

16NR..A

16NR..A1

16NR..A2

16NR..TT

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
27NR4UN	–	4	0,45 *0.018*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22NR5UN	–	5	0,36 *0.014*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22NR6UN	–	6	0,3 *0.012*	2,2 *0.087*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22NR7UN	–	7	0,25 *0.010*	2,0 *0.079*	2,4 *0.094*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR8UN	–	8	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR8UN-A	–	8	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR8UN-A1	–	8	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR8UN-A2	–	8	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR9UN	–	9	0,19 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR10UN	–	10	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16NR11UN	–	11	0,16 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR12UN	–	12	0,15 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR12UN-A	–	12	0,15 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR12UN-A1	–	12	0,15 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR12UN-A2	–	12	0,15 *0.006*	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR12UN-TT	–	12	0,16 *0.006*	1,65 *0.065*	2,45 *0.096*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR12UN2M	–	12	0,15 *0.006*	2,0 *0.079*	3,0 *0.118*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NR12UN3M	–	12	0,15 *0.006*	3,0 *0.118*	5,0 *0.197*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
09NR13UN	–	13	0,15 *0.006*	0,7 *0.028*	0,9 *0.035*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
16NR13UN	–	13	0,15 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR14UN	–	14	0,14 *0.006*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR14UN	–	14	0,14 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■

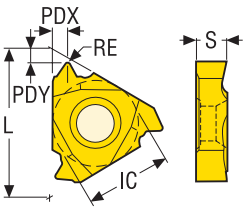
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR14UN-A	–	14	0,14 *0.006*	1,2 *0.047*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR14UN-A1	–	14	0,14 *0.006*	1,2 *0.047*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14UN-A2	–	14	0,14 *0.006*	1,2 *0.047*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR16UN	–	16	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR16UN	–	16	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR16UN-A	–	16	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR16UN-A1	–	16	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR16UN-A2	–	16	0,12 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR16UN-TT	–	16	0,13 *0.005*	1,4 *0.055*	1,9 *0.075*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR16UN2M	–	16	0,13 *0.005*	1,5 *0.059*	2,3 *0.091*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR16UN3M	–	16	0,13 *0.005*	2,4 *0.094*	3,8 *0.150*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
09NR18UN	–	18	0,1 *0.004*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR18UN	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR18UN	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR18UN-A	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR18UN-A1	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR18UN-A2	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
09NR20UN	–	20	0,09 *0.004*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR20UN	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR20UN	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR20UN-A	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR20UN-A1	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR20UN-A2	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR24UN	–	24	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR24UN	–	24	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
11NR28UN	–	28	0,05 *0.002*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR28UN	–	28	0,05 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
11NR32UN	–	32	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		■
16NR32UN	–	32	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16NR40UN	–	40	0,04 *0.002*	1,2 *0.047*	0,5 *0.020*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

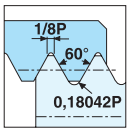
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NL6UN	–	6	0,3 *0.012*	2,2 *0.087*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL7UN	–	7	0,25 *0.010*	2,0 *0.079*	2,4 *0.094*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NL8UN	–	8	0,25 *0.010*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL10UN	–	10	0,18 *0.007*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL11UN	–	11	0,16 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL12UN	–	12	0,15 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL14UN	–	14	0,14 *0.006*	0,8 *0.031*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL14UN	–	14	0,14 *0.006*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
11NL16UN	–	16	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL16UN	–	16	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
11NL18UN	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL18UN	–	18	0,1 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL20UN	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL20UN	–	20	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL24UN	–	24	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL24UN	–	24	0,07 *0.003*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL28UN	–	28	0,05 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL32UN	–	32	0,04 *0.002*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

UNJ - Filettatura esterna

Snap-Tap®





BS4084 - 1996
MIL-SPECS - 8879A
3A

16Ex

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER8UNJ	–	8	0,5 *0.020*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER10UNJ	–	10	0,405 *0.016*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER12UNJ	–	12	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16ER14UNJ	–	14	0,295 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER16UNJ	–	16	0,255 *0.010*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16ER18UNJ	–	18	0,23 *0.009*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER20UNJ	–	20	0,208 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16ER24UNJ	–	24	0,175 *0.007*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER28UNJ	–	28	0,148 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		
16ER32UNJ	–	32	0,13 *0.005*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL12UNJ	–	12	0,34 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				

■ **Prodotto standard.**

UNJ - Filettatura Interna

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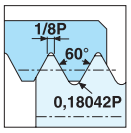
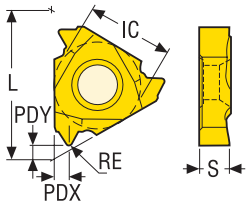
BS4084 - 1996
MIL-SPECS - 8879A
3B





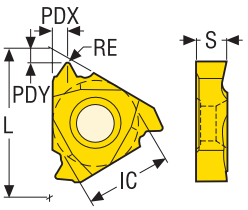
16Ex

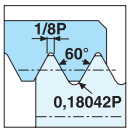
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR8UNJ	–	8	0,22 *0.009*	1,2 *0.047*	1,2 *0.047*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR10UNJ	–	10	0,17 *0.007*	1,2 *0.047*	1,0 *0.039*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR12UNJ	–	12	0,12 *0.005*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR14UNJ	–	14	0,11 *0.004*	1,2 *0.047*	0,7 *0.028*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR16UNJ	–	16	0,1 *0.004*	1,2 *0.047*	0,6 *0.024*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR18UNJ	–	18	0,09 *0.004*	1,2 *0.047*	0,6 *0.024*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR20UNJ	–	20	0,08 *0.003*	1,2 *0.047*	0,5 *0.020*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR24UNJ	–	24	0,06 *0.002*	1,2 *0.047*	0,5 *0.020*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR28UNJ	–	28	0,04 *0.002*	1,2 *0.047*	0,4 *0.016*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR32UNJ	–	32	0,03 *0.001*	1,2 *0.047*	0,4 *0.016*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				

■ **Prodotto standard.**

MJ - Filettatura esterna

Snap-Tap®





ISO5855 - 1983
4h/6h

16Ex

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER1.0MJ	1	–	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16ER1.25MJ	1,25	–	0,21 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16ER1.5MJ	1,5	–	0,25 *0.010*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16ER2.0MJ	2	–	0,32 *0.013*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				

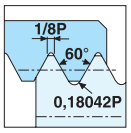
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL1.0MJ	1	–	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16EL1.5MJ	1,5	–	0,25 *0.010*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				

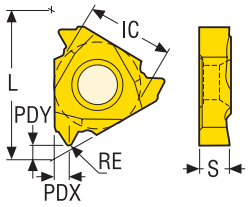
■ **Prodotto standard.**

MJ - Filettatura Interna

Snap-Tap®

ISO5855 - 1983
4H/5H





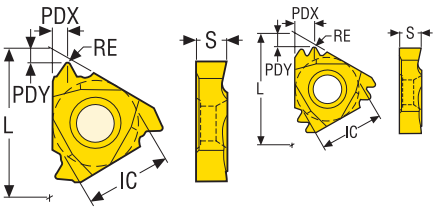
16Ex

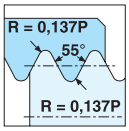
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR1.0MJ	1	–	0,06 *0.002*	1,2 *0.047*	0,4 *0.016*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR1.25MJ	1,25	–	0,08 *0.003*	1,2 *0.047*	0,5 *0.020*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR1.5MJ	1,5	–	0,09 *0.004*	1,2 *0.047*	0,6 *0.024*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				
16NR2.0MJ	2	–	0,12 *0.005*	1,2 *0.047*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■				

■ **Prodotto standard.**

Whitworth, BSW - Filettatura esterna

Snap-Tap®





BS84 -1956
ISO228 - 1982
BS2779 - 1973

16ER..A

16ER..A1

16ER..A2

16ER..TT

16Ex/22Ex

22ER..M

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22ER5W	–	5	0,63 *0.025*	1,7 *0.067*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22ER6W	–	6	0,5 *0.020*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22ER7W	–	7	0,43 *0.017*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
16ER8W	–	8	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER9W	–	9	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER10W	–	10	0,27 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER11W	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER11W-A	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER11W-A1	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER11W-A2	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER11W-TT	–	11	0,3 *0.012*	1,8 *0.071*	2,8 *0.110*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER11W2M	–	11	0,3 *0.012*	2,3 *0.091*	3,5 *0.138*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER12W	–	12	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER14W	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16ER14W-A	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER14W-A1	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14W-A2	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14W-TT	–	14	0,24 *0.009*	1,5 *0.059*	2,2 *0.087*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER16W	–	16	0,2 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER18W	–	18	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■

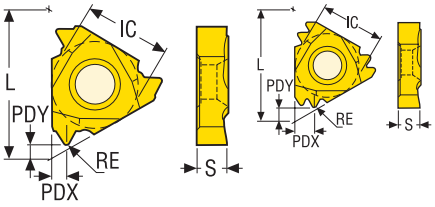
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER19W-A	–	19	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16ER19W-A1	–	19	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER19W-A2	–	19	0,16 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER20W	–	20	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER28W	–	28	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■

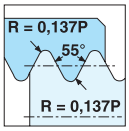
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22EL5W	–	5	0,63 *0.025*	1,7 *0.067*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL6W	–	6	0,5 *0.020*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL7W	–	7	0,43 *0.017*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16EL8W	–	8	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL9W	–	9	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL10W	–	10	0,27 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL11W	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL12W	–	12	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL14W	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL16W	–	16	0,2 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL20W	–	20	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL28W	–	28	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

Whitworth, BSW - Filettatura Interna

Snap-Tap®





BS84 -1956
ISO228 - 1982
BS2779 - 1973

09NR/11Nx/16Nx/22Nx

11NR/16NR..A

11NR/16NR..A1

11NR/16NR..A2

16NR..TT

22NR..M

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NR5W	–	5	0,63 *0.025*	1,7 *0.067*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22NR6W	–	6	0,5 *0.020*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		■
22NR7W	–	7	0,43 *0.017*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR8W	–	8	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR9W	–	9	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR10W	–	10	0,27 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
16NR11W	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
16NR11W-A	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
16NR11W-A1	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR11W-A2	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR11W-TT	–	11	0,31 *0.012*	1,8 *0.071*	2,8 *0.110*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR11W2M	–	11	0,3 *0.012*	2,3 *0.091*	3,5 *0.138*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR12W	–	12	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR12W-TT	–	12	0,24 *0.009*	1,7 *0.067*	2,7 *0.106*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
09NR14W	–	14	0,24 *0.009*	0,7 *0.028*	0,9 *0.035*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR14W	–	14	0,24 *0.009*	0,7 *0.028*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NR14W	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■	■	■
11NR14W-A	–	14	0,24 *0.009*	0,7 *0.028*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■	■	
16NR14W-A	–	14	0,23 *0.009*	1,2 *0.047*	1,1 *0.043*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■	■	
11NR14W-A1	–	14	0,24 *0.009*	0,7 *0.028*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR14W-A1	–	14	0,23 *0.009*	1,2 *0.047*	1,1 *0.043*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR14W-A2	–	14	0,24 *0.009*	0,7 *0.028*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		

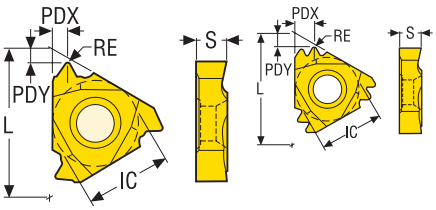
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR14W-A2	–	14	0,23 *0.009*	1,2 *0.047*	1,1 *0.043*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14W-TT	–	14	0,23 *0.009*	1,5 *0.059*	2,2 *0.087*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR16W	–	16	0,2 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
09NR19W	–	19	0,15 *0.006*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*	■		■	■	■
16NR19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*	■		■		■
11NR19W-A	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■	■	
11NR19W-A1	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
11NR19W-A2	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR20W	–	20	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR28W	–	28	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

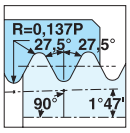
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NL5W	–	5	0,63 *0.025*	1,7 *0.067*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL6W	–	6	0,5 *0.020*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL7W	–	7	0,43 *0.017*	1,8 *0.071*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NL8W	–	8	0,42 *0.017*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL9W	–	9	0,31 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL10W	–	10	0,27 *0.011*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL11W	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL12W	–	12	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL14W	–	14	0,24 *0.009*	1,2 *0.047*	0,9 *0.035*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL14W	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL16W	–	16	0,2 *0.008*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NL19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NL19W	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL20W	–	20	0,14 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL28W	–	28	0,09 *0.004*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

BSPT - Filettatura esterna

Snap-Tap®





ISO228/1 35 21 1959 ISO7/1

16ER..TT

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER11BSPT	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER11BSPT-TT	–	11	0,3 *0.012*	1,8 *0.071*	2,8 *0.110*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14BSPT	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14BSPT-TT	–	14	0,24 *0.009*	1,5 *0.059*	2,2 *0.087*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER19BSPT	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER28BSPT	–	28	0,08 *0.003*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

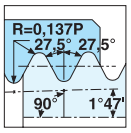
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL11BSPT	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL14BSPT	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

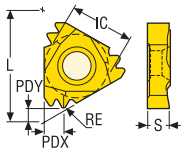
■ **Prodotto standard.**

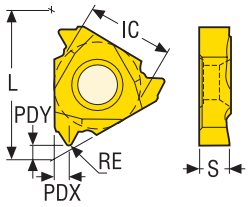
BSPT - Filettatura Interna

Snap-Tap®

ISO228/1 35 21 1959 ISO7/1







09NR/16Nx..

16NR..TT

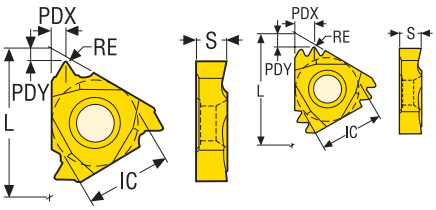
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR11BSPT	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR11BSPT-TT	–	11	0,3 *0.012*	1,8 *0.071*	2,8 *0.110*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14BSPT	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14BSPT-TT	–	14	0,24 *0.009*	1,5 *0.059*	2,2 *0.087*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
09NR19BSPT	–	19	0,15 *0.006*	0,8 *0.031*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		

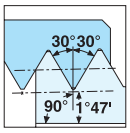
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NL11BSPT	–	11	0,3 *0.012*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL14BSPT	–	14	0,24 *0.009*	1,2 *0.047*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

NPT - filettatura esterna

Snap-Tap®





ANSI B1.20.1 - 1983

16ER..A1

16ER..A2

16Ex..

22ER/27ER..M

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER8NPT	–	8	0,07 *0.003*	1,1 *0.043*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER11.5NPT	–	11.5	0,07 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER11.5NPT-A1	–	11.5	0,09 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER11.5NPT-A2	–	11.5	0,09 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER11.5NPT2M	–	11.5	0,07 *0.003*	2,1 *0.083*	3,3 *0.130*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER14NPT	–	14	0,07 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER18NPT	–	18	0,06 *0.002*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16ER27NPT	–	27	0,04 *0.002*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

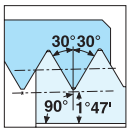
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL8NPT	–	8	0,09 *0.004*	1,1 *0.043*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL11.5NPT	–	11.5	0,07 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL14NPT	–	14	0,07 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL18NPT	–	18	0,06 *0.002*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

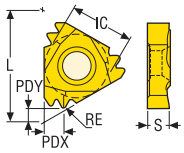
■ **Prodotto standard.**

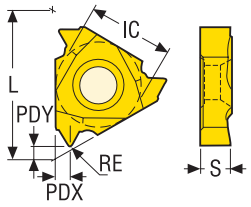
NPT - Filettatura Interna

Snap-Tap®

ANSI B1.20.1 - 1983







16NR..A1

16NR..A2

22NR..M

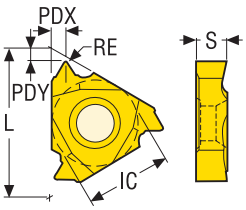
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR8NPT	–	8	0,1 *0.004*	1,1 *0.043*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR8NPT-A2	–	8	0,12 *0.005*	1,1 *0.043*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR11.5NPT	–	11.5	0,09 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR11.5NPT-A1	–	11.5	0,1 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR11.5NPT-A2	–	11.5	0,1 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR11.5NPT2M	–	11.5	0,05 *0.002*	2,1 *0.083*	3,3 *0.130*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
11NR14NPT	–	14	0,07 *0.003*	0,7 *0.028*	1,0 *0.039*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
16NR14NPT	–	14	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		■
16NR14NPT-A2	–	14	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
09NR18NPT	–	18	0,06 *0.002*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		
11NR18NPT	–	18	0,06 *0.002*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		
09NR27NPT	–	27	0,04 *0.002*	0,7 *0.028*	0,8 *0.031*	5,56 *0.219*	9,6 *0.378*	2,4 *0.094*			■		

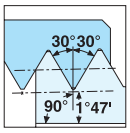
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NL8NPT	–	8	0,1 *0.004*	1,2 *0.047*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
27ER8NPT2M	–	8	0,07 *0.003*	3,0 *0.118*	4,8 *0.189*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
16NL11.5NPT	–	11.5	0,09 *0.004*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL14NPT	–	14	0,08 *0.003*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

NPTF - filettatura esterna

Snap-Tap®





ANSI B1.4 - 1976
ANSI B1.20.3 - 1976

16ER..

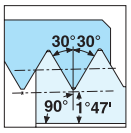
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER11.5NPTF	–	11.5	0,06 *0.002*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14NPTF	–	14	0,05 *0.002*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER18NPTF	–	18	0,04 *0.002*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER27NPTF	–	27	0,04 *0.002*	0,7 *0.028*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

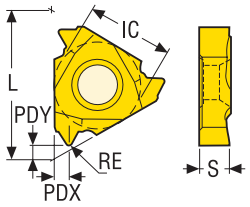
■ **Prodotto standard.**

NPTF - Filettatura Interna

Snap-Tap®

ANSI B1.4 - 1976
ANSI B1.20.3 - 1976





11NR/16Nx

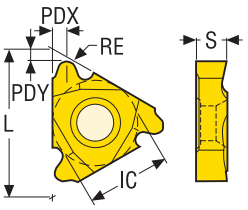
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR11.5NPTF	–	11.5	0,06 *0.002*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14NPTF	–	14	0,05 *0.002*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
11NR18NPTF	–	18	0,04 *0.002*	0,7 *0.028*	0,8 *0.031*	6,35 *0.250*	11,0 *0.433*	3,0 *0.118*			■		

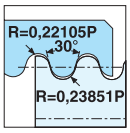
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NL11.5NPTF	–	11.5	0,06 *0.002*	1,1 *0.043*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

Profilo tondo-DIN405 - Filettatura esterna

Snap-Tap®





DIN405 - 1981
7h/6h

16ER/22Ex/27ER

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
27ER4RD	–	4	1,46 *0.057*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
16ER6RD	–	6	0,97 *0.038*	1,3 *0.051*	1,8 *0.071*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER6RD	–	6	0,97 *0.038*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER8RD	–	8	0,73 *0.029*	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER10RD	–	10	0,58 *0.023*	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

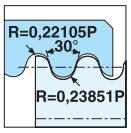
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22EL6RD	–	6	0,97 *0.038*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

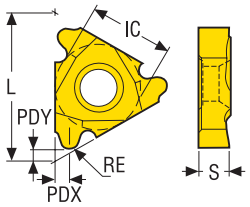
■ **Prodotto standard.**

Profilo tondo-DIN405 - Filettatura Interna

Snap-Tap®

DIN405 - 1981
7h/6h





16NR/22Nx/27NR

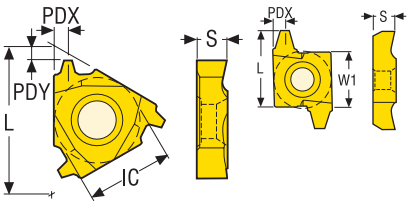
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
27NR4RD	–	4	1,31 *0.052*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
16NR6RD	–	6	0,87 *0.034*	1,3 *0.051*	1,8 *0.071*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR6RD	–	6	0,87 *0.034*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR8RD	–	8	0,69 *0.027*	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR10RD	–	10	0,51 *0.020*	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

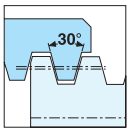
Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NL6RD	–	6	0,87 *0.034*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

TR-DIN103 - Filettatura esterna

Snap-Tap®





DIN103 - 1977
ISO2901/3 - 1977
7e

16Ex/22Ex27ER

20ER/26ER

Codice di ordinazione inserto destro	Passo		W1	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER1.5TR	1,5	–	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER2.0TR	2	–	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER3.0TR	3	–	– –	1,3 *0.051*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER4.0TR	4	–	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22ER5.0TR	5	–	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*		■	■		
27ER6.0TR	6	–	– –	2,5 *0.098*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
20ER7.0TR	7	–	12,7 *0.500*	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
20ER8.0TR	8	–	12,7 *0.500*	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
26ER9.0TR	9	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*			■		
26ER10.0TR	10	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■	■		
26ER12.0TR	12	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■	■		
26ER14.0TR	14	–	15,875 *0.625*	– –	5,1 *0.201*	– –	26,0 *1.024*	7,88 *0.310*			■		

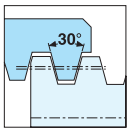
Codice di ordinazione inserto sinistro	Passo		W1	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16EL1.5TR	1,5	–	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL2.0TR	2	–	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL3.0TR	3	–	– –	1,3 *0.051*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22EL4.0TR	4	–	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL5.0TR	5	–	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

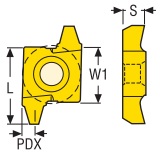
■ **Prodotto standard.**

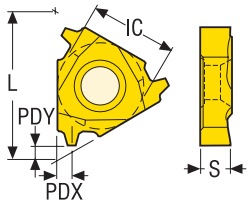
TR-DIN103 - Filettatura Interna

Snap-Tap®

DIN103 - 1977
ISO2901/3 - 1977
7H







16Nx/22Nx/27NR

20NR/26NR

Codice di ordinazione inserto destro	Passo		W1	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR1.5TR	1,5	–	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR2.0TR	2	–	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR3.0TR	3	–	– –	1,3 *0.051*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NR4.0TR	4	–	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NR5.0TR	5	–	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
27NR6.0TR	6	–	– –	2,5 *0.098*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
20NR7.0TR	7	–	12,7 *0.500*	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
20NR8.0TR	8	–	12,7 *0.500*	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
26NR9.0TR	9	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*			■		
26NR10.0TR	10	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■	■		
26NR12.0TR	12	–	15,875 *0.625*	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■	■		
26NR14.0TR	14	–	15,875 *0.625*	– –	5,1 *0.201*	– –	26,0 *1.024*	7,88 *0.310*			■		

Codice di ordinazione inserto sinistro	Passo		W1	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NL1.5TR	1,5	–	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL2.0TR	2	–	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NL3.0TR	3	–	– –	1,3 *0.051*	1,6 *0.063*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22NL4.0TR	4	–	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NL5.0TR	5	–	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

ACME - Filettatura esterna

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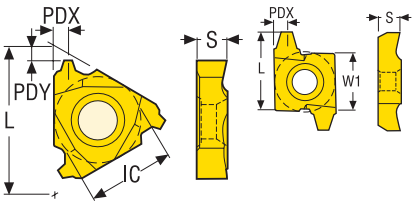

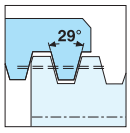

ANSI B1.5 - 1988
3G

16Ex/22Ex/27Ex

20ER/26ER

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
26ER2ACME	–	2	– –	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■	■		
20ER3ACME	–	3	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
20ER3.5ACME	–	3.5	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*			■		
27ER4ACME	–	4	– –	2,5 *0.098*	3,0 *0.118*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22ER5ACME	–	5	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22ER6ACME	–	6	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER8ACME	–	8	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER10ACME	–	10	– –	1,4 *0.055*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER12ACME	–	12	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14ACME	–	14	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER16ACME	–	16	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
27EL4ACME	–	4	– –	2,5 *0.098*	3,0 *0.118*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*			■		
22EL5ACME	–	5	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22EL6ACME	–	6	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16EL8ACME	–	8	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16EL10ACME	–	10	– –	1,4 *0.055*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

ACME - Filettatura Interna

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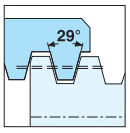
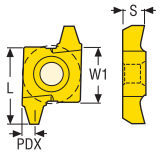
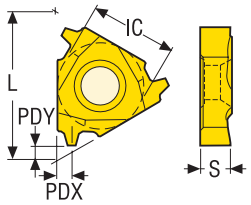
3G







16NR/22Nx/27NR

20NR/26NR

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
26NR2ACME	–	2	– –	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*		■			
20NR3ACME	–	3	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
20NR3.5ACME	–	3.5	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*		■	■		
27NR4ACME	–	4	– –	2,5 *0.098*	3,0 *0.118*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■	■		
22NR5ACME	–	5	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NR6ACME	–	6	– –	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*		■	■		
16NR8ACME	–	8	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR10ACME	–	10	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR12ACME	–	12	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR16ACME	–	16	– –	0,9 *0.035*	0,8 *0.031*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22NL5ACME	–	5	– –	2,0 *0.079*	2,3 *0.091*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

Stub-ACME - Filettatura esterna

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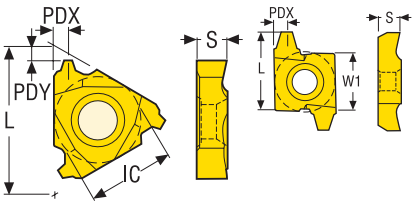

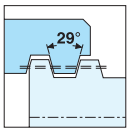

ANSI B1.8 - 1988
2G

16ER

16ER/22Ex/27ER

20ER/26ER

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
26ER2STACME	–	2	– –	– –	5,0 *0.197*	– –	26,0 *1.024*	7,88 *0.310*			■		
20ER3STACME	–	3	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*			■		
27ER4STACME	–	4	– –	2,6 *0.102*	2,8 *0.110*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■	■		
22ER5STACME	–	5	– –	2,0 *0.079*	2,1 *0.083*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22ER6STACME	–	6	– –	2,4 *0.094*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16ER8STACME	–	8	– –	1,8 *0.071*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*		■	■		
16ER10STACME	–	10	– –	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER12STACME	–	12	– –	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16ER14STACME	–	14	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

Codice di ordinazione inserto sinistro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
22EL6STACME	–	6	– –	2,4 *0.094*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

■ **Prodotto standard.**

Stub-ACME - Filettatura interna

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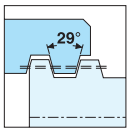
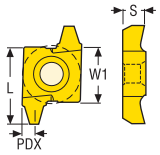
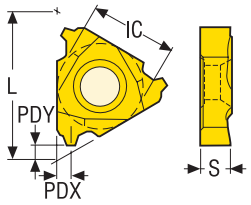
2G







16NR

16NR/22NR/27NR

20NR

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
20NR3STACME	–	3	– –	– –	3,2 *0.126*	– –	20,0 *0.787*	6,3 *0.248*			■		
27NR4STACME	–	4	– –	2,6 *0.102*	2,8 *0.110*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■	■		
22NR5STACME	–	5	– –	2,0 *0.079*	2,1 *0.083*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
22NR6STACME	–	6	– –	2,4 *0.094*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		
16NR8STACME	–	8	– –	1,8 *0.071*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*		■	■		
16NR10STACME	–	10	– –	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR12STACME	–	12	– –	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
16NR14STACME	–	14	– –	1,3 *0.051*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

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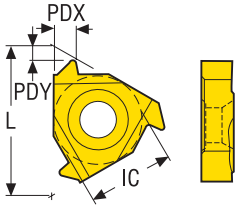

16ER

Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER12BUT-S31217	–	12	2,0 *0.079*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

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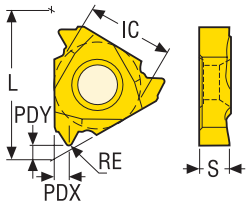

16NR

Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR12BUT-S31220	–	12	2,0 *0.079*	1,3 *0.051*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

API connessioni per impianti di perforazione - Filettatura esterna

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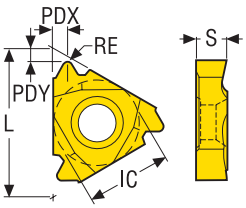
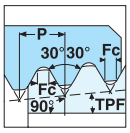




API Spec 7-2 2017

22ER/27ER

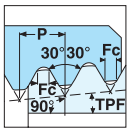
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	APICODE	TGTPF	Qualità				
											Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*			CP200	CP300	CP500	TTP2050	H15
27ER4API384	–	4	0,965 *0.038*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V038R	3	■		■		
22ER4API386	–	4	0,965 *0.038*	1,95 *0.077*	2,55 *0.100*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V038R	2		■	■		
27ER4API386	–	4	0,965 *0.038*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V038R	2	■	■	■		
27ER4API504	–	4	0,635 *0.025*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V050	3	■	■	■		
27ER4API506	–	4	0,635 *0.025*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V050	2	■	■	■		
22ER5API404	–	5	0,508 *0.020*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V040	3		■	■		
27ER5API404	–	5	0,508 *0.020*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V040	3		■	■		

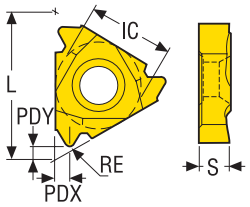
■ **Prodotto standard.**

API connessioni per impianti di perforazione - Filettatura interna

Snap-Tap®

API Spec 7-2 2017





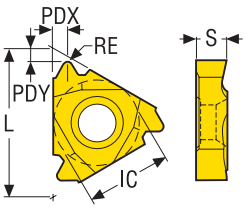
22NR/27NR

Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	APICODE	TGTPF	Qualità				
											Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*			CP200	CP300	CP500	TTP2050	H15
22NR4API386	–	4	0,965 *0.038*	1,9 *0.075*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V038R	2		■	■		■
27NR4API384	–	4	0,965 *0.038*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V038R	3	■		■		
27NR4API386	–	4	0,965 *0.038*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V038R	2	■	■	■		
27NR4API504	–	4	0,635 *0.025*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V050	3	■	■	■		
27NR4API506	–	4	0,635 *0.025*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V050	2	■	■	■		
22NR5API404	–	5	0,508 *0.020*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V040	3		■	■		
27NR5API404	–	5	0,508 *0.020*	2,2 *0.087*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V040	3		■			

■ **Prodotto standard.**

Connessioni per impianti di perforazione - Filettatura esterna

Snap-Tap®



HEF = Hughes External Flush
904/906 = Hughes H90
H90 = Hughes Slimline H90
PAC = P.A.C.

904/906

HEF

PAC

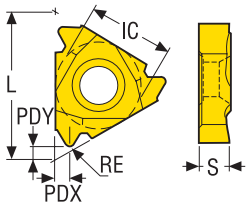
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	APICODE	TGTPF	Qualità				
											Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*			CP200	CP300	CP500	TTP2050	H15
27ER3H90	–	3	– –	3,5 *0.138*	3,6 *0.142*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	1,25			■		
27ER3.5H904	–	3.5	– –	2,7 *0.106*	3,5 *0.138*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	3			■		
27ER3.5H906	–	3.5	– –	2,7 *0.106*	3,5 *0.138*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	2			■		
22ER4PAC	–	4	– –	2,4 *0.094*	2,63 *0.104*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V076	1,5			■		
27ER4PAC	–	4	– –	2,75 *0.108*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V076	1,5			■		
22ER6HEF	–	6	0,382 *0.015*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	–	2			■		

■ **Prodotto standard.**

Connessioni per impianti di perforazione - Filettatura interna

Snap-Tap®

HEF = Hughes External Flush
904/906 = Hughes H90
H90 = Hughes Slimline H90
PAC = P.A.C.



904/906

HEF

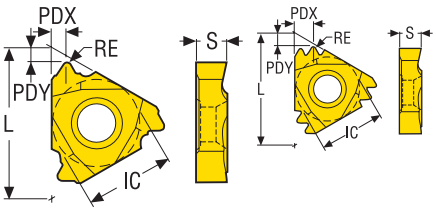
PAC

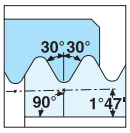
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	APICODE	TGTPF	Qualità				
											Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*			CP200	CP300	CP500	TTP2050	H15
27NR3H90	–	3	– –	3,5 *0.138*	3,6 *0.142*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	1,25			■		
27NR3.5H904	–	3.5	– –	2,7 *0.106*	3,5 *0.138*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	3			■		
27NR3.5H906	–	3.5	– –	2,7 *0.106*	3,5 *0.138*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	90V050	2			■		
22NR4PAC	–	4	– –	2,4 *0.094*	2,6 *0.102*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	V076	1,5			■		
27NR4PAC	–	4	– –	2,75 *0.108*	3,2 *0.126*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*	V076	1,5			■		
22NR6HEF	–	6	0,381 *0.015*	2,0 *0.079*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	–	2			■		

■ **Prodotto standard.**

Spec. API 5B ROUND - Filettatura esterna

Snap-Tap®





Spec. API 5B - 1988

16ER

22ER/27ER..M

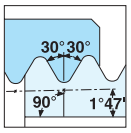
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16ER8APIRD	–	8	0,46 *0.018*	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
27ER8APIRD2M	–	8	0,46 *0.018*	2,9 *0.114*	4,5 *0.177*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■			
16ER10APIRD	–	10	0,38 *0.015*	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
22ER10APIRD2M	–	10	0,38 *0.015*	2,4 *0.094*	3,7 *0.146*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*			■		

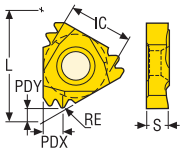
■ **Prodotto standard.**

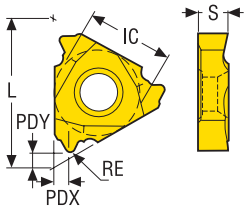
Spec. API 5B ROUND - Filettatura interna

Snap-Tap®

Spec. API 5B - 1988







16NR

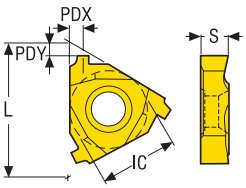
27NR..M

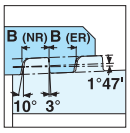
Codice di ordinazione inserto destro	Passo		RE	PDY	PDX	IC	L	S	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
16NR8APIRD	–	8	0,46 *0.018*	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		
27NR8APIRD2M	–	8	0,46 *0.018*	2,9 *0.114*	4,5 *0.177*	15,875 *0.625*	27,0 *1.063*	6,15 *0.242*		■			
16NR10APIRD	–	10	0,38 *0.015*	1,5 *0.059*	1,5 *0.059*	9,525 *0.375*	16,5 *0.650*	3,47 *0.137*			■		

■ **Prodotto standard.**

API 5B BUTTRESS, 1:16 Taper - Filettatura esterna

Snap-Tap®





Vallourec ST-D453.02
Spec. API 5B - 1988

La cresta e la radice sono parallele alla conicità

22ER

Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	TGTPF	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		CP200	CP300	CP500	TTP2050	H15
22ER5BUT2.5	–	5	2,2 *0.087*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	3/4"			■		

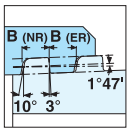
■ **Prodotto standard.**

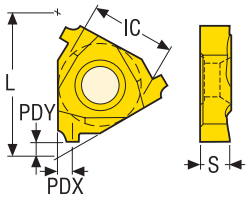
API 5B BUTTRESS, 1:16 Taper - Filettatura interna

Snap-Tap®

Vallourec ST-D453.02
Spec. API 5B - 1988

La cresta e la radice sono parallele alla conicità





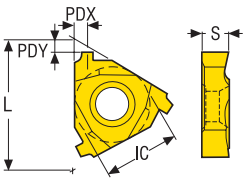
22NR

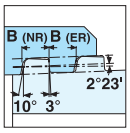
Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	TGTPF	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		CP200	CP300	CP500	TTP2050	H15
22NR5BUT2.5	–	5	2,0 *0.079*	2,1 *0.083*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	3/4"		■	■		

■ **Prodotto standard.**

API BUTTRESS 1:12 Taper - Filettatura esterna

Snap-Tap®





Spec. API 5B - 1988
La cresta e la radice sono parallele all'asse

22ER

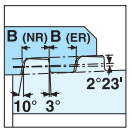
Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	TGTPF	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		CP200	CP300	CP500	TTP2050	H15
22ER5BUT2.6	–	5	2,2 *0.087*	2,5 *0.098*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	1			■		

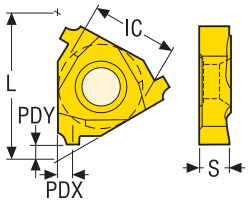
■ **Prodotto standard.**

API BUTTRESS 1:12 Taper - Filettatura interna

Snap-Tap®

Spec. API 5B - 1988
La cresta e la radice sono parallele all'asse



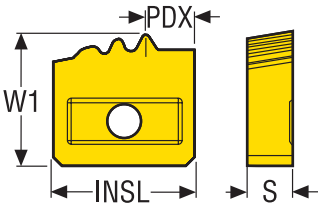


22NR

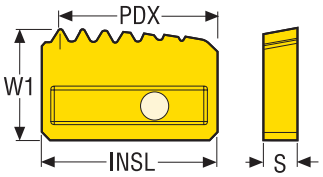
Codice di ordinazione inserto destro	Passo		PDY	PDX	IC	L	S	TGTPF	Qualità				
									Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		CP200	CP300	CP500	TTP2050	H15
22NR5BUT2.6	–	5	2,0 *0.079*	2,1 *0.083*	12,7 *0.500*	22,0 *0.866*	4,71 *0.185*	1			■		

■ **Prodotto standard.**

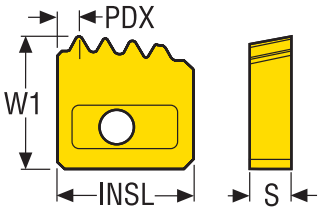
Chaser



Tipo 1



Tipo 2

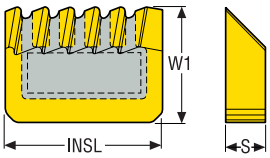


Tipo 3

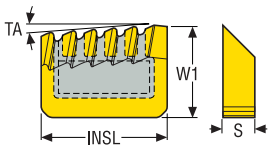
Codice di ordinazione	Passo	Profilo filettatura	INSL	W1	PDX	S	NT	Int./Est.	Disegno	CHF1	Qualità			
											Rivestite			
	TPI		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					CP250T	CP500T	TP150T	TTP1550
5-1102	5,0	API_BUTTRESS_5TPI_1/16_EXT	15,875 *0.625*	15,875 *0.625*	2,1 *0.083*	4,76 *0.187*	3	Esterna	1	C-1004-4	■			
5-5102	5,0	API_BUTTRESS_5TPI_1/16_EXT,	25,0 *0.984*	15,875 *0.625*	2,0 *0.079*	5,0 *0.197*	5	Esterna	1	C-5003-4	■		■	■
5-1113	5,0	API_BUTTRESS_5TPI_1/16_INT,	15,875 *0.625*	15,875 *0.625*	2,5 *0.098*	4,76 *0.187*	3	Interna	3	C-1018-96	■			
5-5112-C	5,0	API_BUTTRESS_5TPI_1/16_INT	25,0 *0.984*	15,875 *0.625*	1,964 *0.077*	5,0 *0.197*	5	Interna	3	C-5003-96	■	■		
5-5108	5,0	API_BUTTRESS_5TPI_1/16_INT	25,0 *0.984*	15,875 *0.625*	2,5 *0.098*	5,0 *0.197*	5	Interna	3	C-5003-96	■			
5-1134	5,0	API_BUTT_5TPI_CAS_1/16_INTPUL	15,875 *0.625*	15,875 *0.625*	13,375 *0.527*	4,76 *0.187*	3	Interna	2	C-1018-96	■			■
5-5110	5,0	API_BUTT_5TPI_1/16_INTPULLING	25,0 *0.984*	15,875 *0.625*	22,5 *0.886*	5,0 *0.197*	5	Interna	2	C-5003-96	■			
5-4131-1	5,0	API_BUTTRESS_1/16_5TPI_EXT_1	20,0 *0.787*	15,692 *0.618*	4,84 *0.191*	4,76 *0.187*	3	Esterna	1	C-4001-4	■			
5-4131-2	5,0	API_BUTTRESS_1/16_5TPI_EXT_2	20,0 *0.787*	15,875 *0.625*	2,3 *0.091*	4,76 *0.187*	4	Esterna	1	C-4001-4	■			
5-3105-1	5,0	API_BUTTRESS_5TPI_1/16_PMC_1	17,0 *0.669*	14,57 *0.574*	5,552 *0.219*	5,2 *0.205*	3	Esterna	1	C-3901-1	■			
5-3105-2	5,0	API_BUTTRESS_5TPI_1/16_PMC_2	17,0 *0.669*	14,825 *0.584*	3,858 *0.152*	5,2 *0.205*	3	Esterna	1	C-3901-2	■			
5-3105-3	5,0	API_BUTTRESS_5TPI_1/16_PMC_3	17,0 *0.669*	14,98 *0.590*	2,165 *0.085*	5,2 *0.205*	3	Esterna	1	C-3901-3	■			
8-1116	8,0	API_RD_CAS_8TPI_EXT,	15,875 *0.625*	15,875 *0.625*	5,6 *0.220*	4,76 *0.187*	3	Esterna	1	C-1005-4	■			
8-1128	8,0	API_RD_8TPI_INT,	15,875 *0.625*	15,875 *0.625*	2,5 *0.098*	4,76 *0.187*	4	Interna	3	C-1002-96	■			
8-5111	8,0	API_RD_8TPI_INT	25,0 *0.984*	15,875 *0.625*	2,5 *0.098*	5,0 *0.197*	7	Interna	3	C-5002-96	■			
8-4133-1	8,0	API_RD_8TPI_EXT_CASING_1	20,0 *0.787*	15,875 *0.625*	10,19 *0.401*	4,76 *0.187*	3	Esterna	1	C-4003-4	■			
8-4133-2	8,0	API_RD_8TPI_EXT_CASING_2	20,0 *0.787*	15,875 *0.625*	8,6 *0.339*	4,76 *0.187*	3	Esterna	1	C-4003-4	■			
8-2115-1	8,0	API_RD_8TPI_CAS_3/4_TPF_PMC_1	16,0 *0.630*	14,62 *0.576*	7,697 *0.303*	5,2 *0.205*	3	Esterna	1	–	■			
8-2115-2	8,0	API_RD_8TPI_CAS_3/4_TPF_PMC_2	16,0 *0.630*	14,87 *0.585*	6,638 *0.261*	5,2 *0.205*	3	Esterna	1	–	■			
8-2115-3	8,0	API_RD_8TPI_CAS_3/4_TPF_PMC_3	16,0 *0.630*	15,0 *0.591*	5,58 *0.220*	5,2 *0.205*	3	Esterna	1	–	■			
8-1117	8,0	API_RD_TUBING_8TPI_EXT,	15,875 *0.625*	15,875 *0.625*	5,6 *0.220*	4,76 *0.187*	3	Esterna	1	C-1005-4	■			
8-2118-1	8,0	API_RD_8TPI_TUB_3/4_TPF_PMC_1	16,0 *0.630*	14,62 *0.576*	7,697 *0.303*	5,2 *0.205*	3	Esterna	1	–	■			
8-2118-2	8,0	API_RD_8TPI_TUB_3/4_TPF_PMC_2	16,0 *0.630*	14,87 *0.585*	6,638 *0.261*	5,2 *0.205*	3	Esterna	1	–	■			

Codice di ordinazione	Passo	Profilo filettatura	INSL	W1	PDX	S	NT	Int./Est.	Disegno	CHF1	Qualità			
											Rivestite			
	TPI		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					CP250T	CP500T	TP150T	TTP1550
8-2118-3	8,0	API_RD_8TPI_TUB_3/4_TPF_PMC_3	16,0 *0.630*	15,0 *0.591*	5,58 *0.220*	5,2 *0.205*	3	Esterna	1	–	■			
8-5114	8,0	API_RD_8TPI_INTPULLING	25,0 *0.984*	15,875 *0.625*	22,5 *0.886*	5,0 *0.197*	7	Interna	2	C-5002-96	■			
10-1120	10,0	API_RD_10TPI_TUB_INT	15,875 *0.625*	15,875 *0.625*	5,0 *0.197*	4,76 *0.187*	4	Interna	3	C-1001-96	■			
10-1133-2	10,0	API_RD_10TPI_TUB_EXT_2	15,875 *0.625*	15,875 *0.625*	4,4 *0.173*	4,76 *0.187*	3	Esterna	1	C-1001-4	■			

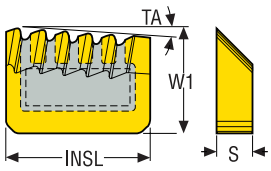
Formatrucioli



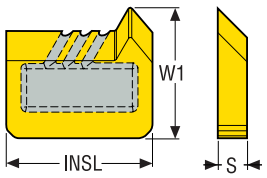
Tipo 1



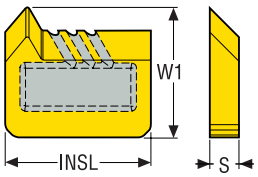
Tipo 2



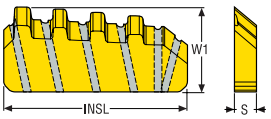
Tipo 3



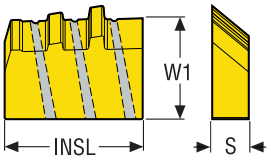
Tipo 4



Tipo 5



Tipo 6



Tipo 7

Codice di ordinazione	Disegno	INSL	W1	S
		mm *Inch*	mm *Inch*	mm *Inch*
C-1001	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1001-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1001-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1002	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1002-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1002-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1003	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1004	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1004-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1004-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1005-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1005-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1006-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1009	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1009-4	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1009-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1010	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1010-4	2	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1010-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1013-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1018	1	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*

Codice di ordinazione	Disegno	INSL	W1	S
		mm *Inch*	mm *Inch*	mm *Inch*
C-1018-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1021-96	3	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1022	4	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1023	5	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1024	4	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1025	5	15,7 *0.618*	11,5 *0.453*	3,97 *0.156*
C-1032	4	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1033	5	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1034	4	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1035	5	15,7 *0.618*	11,5 *0.453*	3,18 *0.125*
C-1601-96	3	15,7 *0.618*	12,5 *0.492*	3,97 *0.156*
C-1604-4	2	15,7 *0.618*	12,5 *0.492*	3,97 *0.156*
C-1X37-I-145	4	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-1X38-I-145	5	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-1X39-I-145	4	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-1X40-I-145	5	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-1X41-I-145	4	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-1X42-I-145	5	15,7 *0.618*	14,5 *0.571*	3,18 *0.125*
C-3901-1	7	16,9 *0.665*	13,9 *0.547*	4,47 *0.176*
C-3901-2	7	16,9 *0.665*	14,0 *0.551*	4,47 *0.176*
C-3901-3	7	16,9 *0.665*	14,2 *0.559*	4,47 *0.176*
C-4001-4	2	19,8 *0.780*	11,5 *0.453*	3,97 *0.156*
C-4003-4	2	19,8 *0.780*	11,5 *0.453*	3,97 *0.156*
C-5001-4	2	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5001-96	3	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5002-4	2	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5002-96	3	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5003	1	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5003-4	2	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5003-96	3	24,8 *0.976*	11,5 *0.453*	3,97 *0.156*
C-5005	1	24,8 *0.976*	11,5 *0.453*	3,0 *0.118*

Codice di ordinazione	Disegno	INSL	W1	S
		mm *Inch*	mm *Inch*	mm *Inch*
C-5006	1	24,8 *0.976*	11,5 *0.453*	3,0 *0.118*
C-5705-G	6	24,8 *0.976*	13,0 *0.512*	3,0 *0.118*
C-5803-4	6	24,8 *0.976*	13,5 *0.531*	3,97 *0.156*
C-5805-G	6	24,8 *0.976*	13,5 *0.531*	3,0 *0.118*
C-5905-G	6	24,8 *0.976*	14,0 *0.551*	3,0 *0.118*
C-9001-I	4	12,6 *0.496*	11,5 *0.453*	3,18 *0.125*

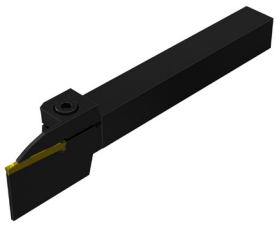
Filettatura per tornitura MDT

Il sistema Seco MDT (tornitura multi-direzionale), estremamente stabile ed affidabile, è formato da portautensili e inserti che offrono eccellenti prestazioni in operazioni di filettatura di tornitura. Sono disponibili inserti per filettature sia esterne che interne. L'esclusivo sistema di bloccaggio comprende una staffa a V in alto e superfici di contatto a millerighe tra la parte inferiore dell'inserto e il portautensile, che assicurano una stabilità eccellente.

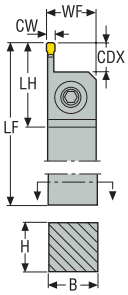
- Filettature esterne e interne
- Metodo di bloccaggio esclusivo
- Staffa a V in alto per una stabilità eccellente

UtensiliMDT, per lavorazioni esterne

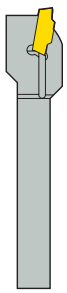
Utensiliper inserti LCGN



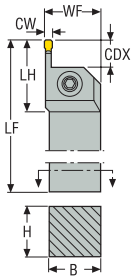
CFIR/L1212../1616..

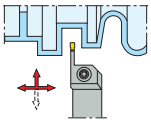


CFIR/L1212..



CFIR/L





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- $a_r = 3 \times a_p$
- XXXXX

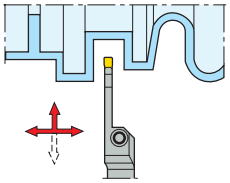
Codice di ordinazione	Codice prodotto	H	B	LF	CW	WF	LH	CDX	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	
CFIR1212M03	02435854	12,0	12,0	150,0	3,0	12,0	31,0	9,0	0,2	LC..1603..
CFIR1616H03	00091799	16,0	16,0	100,0	3,0	16,0	28,0	9,0	0,2	LC..1603..
CFIR2020K03	00068771	20,0	20,0	125,0	3,0	21,5	28,0	9,0	0,4	LC..1603..
CFIR2525M03	00068773	25,0	25,0	150,0	3,0	26,5	28,0	9,0	0,7	LC..1603..
CFIR3225P03	00013453	32,0	25,0	170,0	3,0	26,5	28,0	9,0	1,0	LC..1603..
CFIL1212M03	02435855	12,0	12,0	150,0	3,0	12,0	31,0	9,0	0,2	LC..1603..
CFIL1616H03	00091798	16,0	16,0	100,0	3,0	16,0	28,0	9,0	0,2	LC..1603..
CFIL2020K03	00068770	20,0	20,0	125,0	3,0	21,5	28,0	9,0	0,4	LC..1603..
CFIL2525M03	00068772	25,0	25,0	150,0	3,0	26,5	28,0	9,0	0,7	LC..1603..
CFIL3225P03	00013452	32,0	25,0	170,0	3,0	26,5	28,0	9,0	1,0	LC..1603..

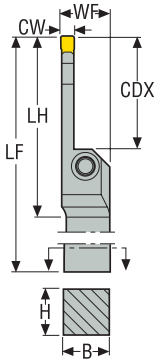
Parti di ricambio, comprese nella fornitura

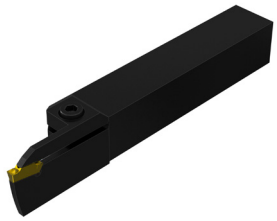
Per attacco	Chiave per vite staffa	Vite staffa
..1212M03	3SMS795	TCEI0409
..1616H03	4SMS795	TCEI0509
..2020K03	4SMS795	TCEI0513
..2525M03	4SMS795	TCEI0513
..3225P03	4SMS795	TCEI0513

UtensiliMDT, per lavorazioni esterne

Utensili per inserti LCGF, LCGN, LCMF e LCMR







CDX = 8 x CW

- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- DCINN3 - Diametro minimo di lavoro per l'applicazione interna, vedere il catalogo Turning (Tornitura)
- CDX – Profondità di taglio massima per LCGF/LCMF16.. = 14 mm, LCGF/LCMF30.. = 28
- XXXXX

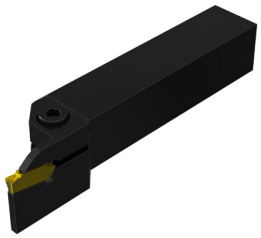
Codice di ordinazione	Codice prodotto	H	B	LF	CW	WF	LH	CDX	DCINN3	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CFSR2525M03	02703367	25,0	25,0	150,0	3,0	26,5	46,0	24,0	195,0	0,7	LC..1603..
CFSR3225P03	02703375	32,0	25,0	170,0	3,0	26,1	46,0	24,0	195,0	1,0	LC..1603..
CFSL2525M03	02703363	25,0	25,0	150,0	3,0	26,5	46,0	24,0	195,0	0,7	LC..1603..
CFSL3225P03	02703371	32,0	25,0	170,0	3,0	26,1	46,0	24,0	195,0	1,0	LC..1603..

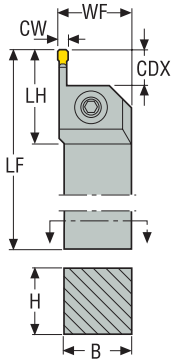
Parti di ricambio, comprese nella fornitura

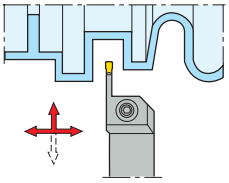
Per attacco	Chiave per vite staffa	Vite staffa
CFSR/L..03	4SMS795	TCEI0513

UtensiliMDT, per lavorazioni esterne

Utensili per inserti LCGF, LCGN, LCMF e LCMR







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- DCINN3 - Diametro minimo di lavoro per l'applicazione interna, vedere il catalogo Turning (Tornitura)
- CDX – Profondità di taglio massima per LCGF/LCMF16.. = 14 mm
- XXXXX

CDX = 5 x CW

Codice di ordinazione	Codice prodotto	H	B	LF	CW	WF	LH	CDX	DCINN3	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CFMR2020K03	00068777	20,0	20,0	125,0	3,0	21,5	36,0	15,0	–	0,4	LC..1603..
CFMR2525M03	00068779	25,0	25,0	150,0	3,0	26,5	36,0	15,0	195,0	0,7	LC..1603..
CFMR3225P03	00013460	32,0	25,0	170,0	3,0	26,5	36,0	15,0	195,0	1,0	LC..1603..
CFML2020K03	00068776	20,0	20,0	125,0	3,0	21,5	36,0	15,0	–	0,4	LC..1603..
CFML2525M03	00068778	25,0	25,0	150,0	3,0	26,5	36,0	15,0	195,0	0,7	LC..1603..
CFML3225P03	00013459	32,0	25,0	170,0	3,0	26,5	36,0	15,0	195,0	1,0	LC..1603..

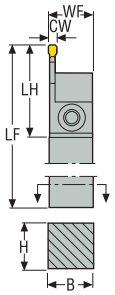
Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite staffa	Vite staffa
CFMR/L..-03	4SMS795	TCEI0513

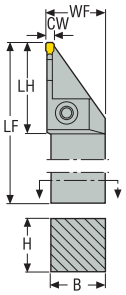
UtensiliMDT, per lavorazioni esterne

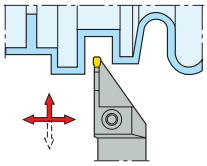
Utensili per inserti LCGN e LCMR

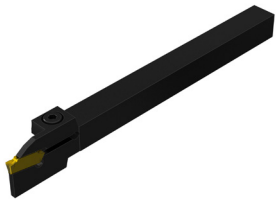
CF..1212, 1616



CF..2020, 2525







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- CUTDIA - A causa del design, la profondità di scanalatura è limitata, vedere il catalogo Turning (Tornitura)
- XXXXX

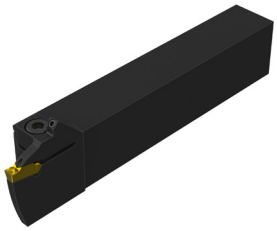
Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	CW	CUTDIA	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	
CFOR1212M03	00053367	12,0	12,0	150,0	12,0	32,1	3,0	37,0	0,2	LC..1603..
CFOL1212M03	00053357	12,0	12,0	150,0	12,0	32,1	3,0	37,0	0,2	LC..1603..
CFTR1616M03	00054058	16,0	16,0	150,0	16,0	42,0	3,0	50,0	0,3	LC..1603..
CFTR2020K03	00054060	20,0	20,0	125,0	21,5	43,0	3,0	50,0	0,4	LC..1603..
CFTR2525M03	00054066	25,0	25,0	150,0	26,5	42,5	3,0	50,0	0,7	LC..1603..
CFTL1616M03	00054057	16,0	16,0	150,0	16,0	42,0	3,0	50,0	0,3	LC..1603..
CFTL2020K03	00054059	20,0	20,0	125,0	21,5	43,0	3,0	50,0	0,4	LC..1603..
CFTL2525M03	00054063	25,0	25,0	150,0	26,5	42,5	3,0	50,0	0,7	LC..1603..

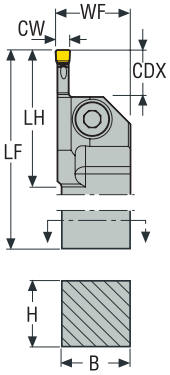
Parti di ricambio, comprese nella fornitura

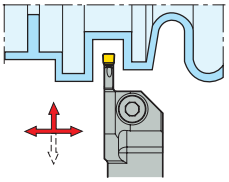
Per attacco	Chiave per vite staffa	Vite staffa
CFOR/L..-03	3SMS795	TCEI0409
CFTR/L..-03	4SMS795	TCEI0513

UtensiliMDT, per lavorazioni esterne

Utensili per inserti LCGF, LCGN, LCMF e LCMR







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- CDX – Profondità di taglio massima per LCGF/LCMF16.. = 14 mm, LCGF/LCMF30.. = 28
- CP – Max pressione refrigerante (bar) con raccordo
- XXXXX

CFIR/L CDX = 3 x CW
CFMR/L CDX = 5 x CW

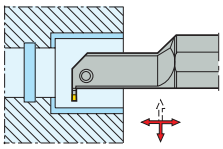
Codice di ordinazione	Codice prodotto	H	B	LF	WF	LH	CDX	CW	CP***	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
CFIR3225P03JET	02599873	32,0	25,0	170,0	26,5	33,0	9,0	3,0	275,0	1,0	LC..1603..
CFIL3225P03JET	02599874	32,0	25,0	170,0	26,5	33,0	9,0	3,0	275,0	1,0	LC..1603..
CFMR3225P03JET	02702825	32,0	25,0	170,0	26,5	41,0	15,0	3,0	275,0	1,0	LC..1603..
CFML3225P03JET	02702829	32,0	25,0	170,0	26,5	41,0	15,0	3,0	275,0	1,0	LC..1603..

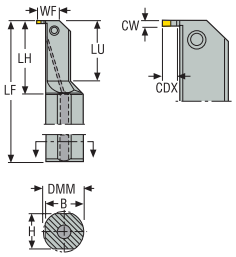
Parti di ricambio, comprese nella fornitura

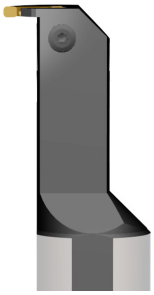
Per attacco	Chiave per vite staffa	Vite staffa	Grano
CFIR/L..-03	4SMS795	TCEI0513	JET-P1/8-5MM
CFMR/L..-03	4SMS795	TCEI0513	JET-P1/8-5MM

Filettatura MDT – Utensili, interno

Utensili per inserti LCGF, LCGN, LCMF e LCMR







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- DCINN - Diametro minimo di lavoro
- XXXXX

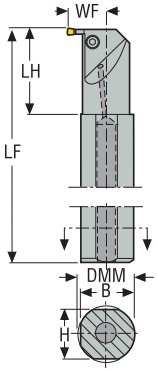
Codice di ordinazione	Codice prodotto	H	B	LF	CW	WF	LH	CDX	DCINN	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	kg	
A32T-CGIR1603	02717661	30,0	31,0	300,0	3,0	24,0	60,0	9,0	32,0	1,6	LC..1603..
A32T-CGIL1603	02718385	30,0	31,0	300,0	3,0	24,0	60,0	9,0	32,0	1,6	LC..1603..

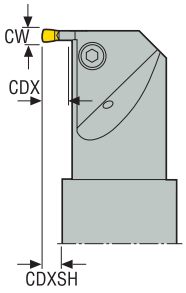
Parti di ricambio, comprese nella fornitura

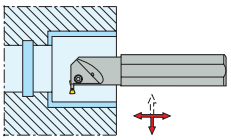
Per attacco	Chiave per vite staffa	Vite staffa
CG.R/L..03	T15P-7	L85011-T15P

Filettatura MDT – Utensili, interno

Utensili per inserti LCGF, LCGN, LCMF e LCMR





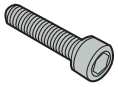


- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- DCINN - Diametro minimo di lavoro
- CDXSH – Se il portautensili penetra più di LH
- XXXXX

CDX = 2 x CW

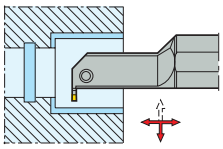
Codice di ordinazione	Codice prodotto	H	B	LF	CW	WF	LH	CDX	DCINN	CDXSH	DMM	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
A40T-CGGR03	00093896	37,0	38,5	300,0	3,0	26,0	60,0	6,0	45,0	5,5	40,0	2,5	LC..1603..
A40T-CGGL03	00093897	37,0	38,5	300,0	3,0	26,0	60,0	6,0	45,0	5,5	40,0	2,5	LC..1603..

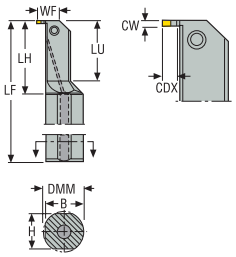
Parti di ricambio, comprese nella fornitura

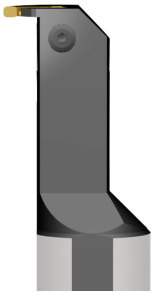
Per attacco	Chiave per vite staffa	Vite staffa
		
-..03	3SMS795	MC6S4X14

Filettatura MDT – Utensili, interno

Utensili per inserti LCGF, LCGN, LCMF e LCMR







- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- DCINN - Diametro minimo di lavoro
- XXXXX

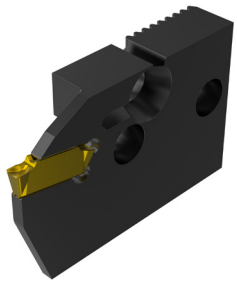
Codice di ordinazione	Codice prodotto	B	H	LF	LH	WF	LU	DCINN	CW	CDX	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*lb*	
A20-CGIR03	02717401	1.211	1.171	12.000	2.362	0.929	1.969	1.260	0.118	0.354	3.530	LC..1603..
A20-CGIL03	02718392	1.211	1.171	12.000	2.362	0.929	1.969	1.260	0.118	0.354	3.530	LC..1603..

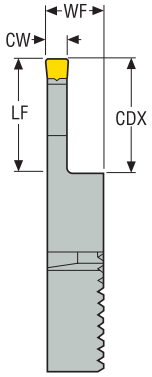
Parti di ricambio, comprese nella fornitura

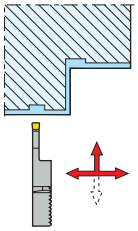
Per attacco	Chiave per vite staffa	Vite staffa
..03	T15P-7	L85011-T15P

Lame modulari MDT

Lame per insertiLCGF, LCGN, LCMF e LCMR





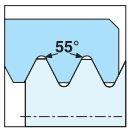


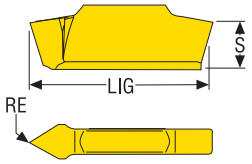
- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 193-195
- CDX – Profondità di taglio massima per LCGF/LCMF13.. = 11 mm, LCGF/LCMF16.. = 14 mm
- XXXXX

Codice di ordinazione	Codice prodotto	LF	WF	CW	CDX	Peso	CTWS
		mm	mm	mm	mm	kg	
V21-CMR1603	00030310	16,2	9,2	3,0	15,0	0,1	LC..1603..
V21-CML1603	02719038	16,2	9,2	3,0	15,0	0,1	LC..1603..

MDT Inserti LCGN – Profilo parziale 55°

Tolleranze:
LIG = ±0,025
RE = ±0,025
L'angolo dell'elica non deve superare λ +2°

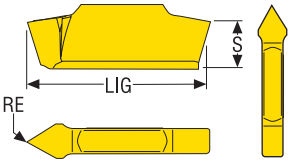


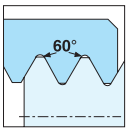


Codice di ordinazione	Passo		RE	LIG	S	Qualità				
						Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCGN1603-A55	0,5-1,5	48-16	0,08 *0.003*	16,6 *0.654*	4,5 *0.177*			■		
LCGN1603-G55	1,75-3	14-8	0,18 *0.007*	16,6 *0.654*	4,5 *0.177*			■		

■ **Prodotto standard.**

MDT Inserti LCGN – Profilo parziale 60°





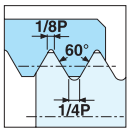
Tolleranze:
LIG = ±0,025
RE = ±0,025
L'angolo dell'elica non deve superare λ +2°

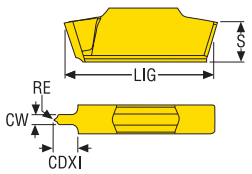
Codice di ordinazione	Passo		RE	LIG	S	Qualità				
						Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCGN1603-A60	0,5-1,5	48-16	0,08 *0.003*	16,6 *0.654*	4,5 *0.177*			■		
LCGN1603-G60	1,75-3	14-8	0,18 *0.007*	16,6 *0.654*	4,5 *0.177*			■		

■ **Prodotto standard.**

MDT Inserti – LCGN – ISO Metrico

Tolleranze:
LIG = ±0,025
L'angolo dell'elica non deve superare λ +2°





Codice di ordinazione	Nota	Passo		RE	LIG	S	CW	CDXI	Qualità				
									Rivestite				Non rivestite
		mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCGN1603-E0.5ISO	*	0,5	–	0,07 *0.003*	16,6 *0.654*	4,5 *0.177*	0,75 *0.030*	1,9 *0.075*			■		
LCGN1603-E0.8ISO	*	0,8	–	0,11 *0.004*	16,6 *0.654*	4,5 *0.177*	1,2 *0.047*	3,0 *0.118*			■		
LCGN1603-E1.0ISO	*	1,0	–	0,13 *0.005*	16,6 *0.654*	4,5 *0.177*	1,5 *0.059*	3,75 *0.148*			■		
LCGN1603-E1.25ISO	*	1,25	–	0,17 *0.007*	16,6 *0.654*	4,5 *0.177*	1,88 *0.074*	4,2 *0.165*			■		
LCGN1603-E1.5ISO	–	1,5	–	0,21 *0.008*	16,6 *0.654*	4,5 *0.177*	2,4 *0.094*	0,92 *0.036*			■		

*Gli utensilidevono essere modificati
■ **Prodotto standard.**

Filettatura per tornitura Mini-Shaft™

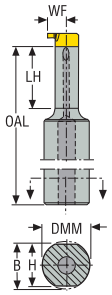
La gamma Mini-Shaft™ estremamente versatile è composta da inserti e utensili che assicurano operazioni di filettatura interna stabili e ad alta precisione. Mini-Shaft™ è caratterizzata da un'innovativa soluzione di doppio bloccaggio, che garantisce una connessione rapida e sicura, con una ripetibilità di +/- 0,02 mm (+/- 0,0008").

- Tutti i portautensili sono compatibili con inserti destri e sinistri
- Possibilità di adduzione interna di refrigerante
- Possibilità di impiego in fori da diametro minimo a 8 mm (0,315")

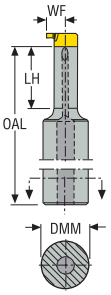
Utensili Mini-Shaft™

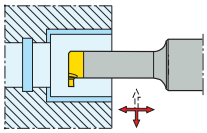
Utensili per inserti LCEX

A..-SGXN



A..-SGXN-R





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 200-206

Codice di ordinazione	Codice prodotto	H	B	OAL	WF	LH	DMM	DCINN	Peso	CTWS
		mm	mm	mm	mm	mm	mm	mm	kg	
A12G-SGXN08-20	02411140	11	12	86,5	4,8	16,5	12,0	8,0	0,1	LCEX08..
A12G-SGXN08-20-R	02511871	–	–	86,5	4,8	16,5	12,0	8,0	0,1	LCEX08..
A16H-SGXN11-25	02411142	15	16	96,0	6,7	21,0	16,0	11,0	0,2	LCEX11..
A16H-SGXN11-25-R	02511872	–	–	96,0	6,7	21,0	16,0	11,0	0,2	LCEX11..

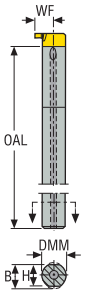
Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
A12G-..	T08P-2	C02506-T08P
A16H-..	T10P-2	C03509-T10P

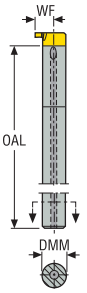
Utensili Mini-Shaft™

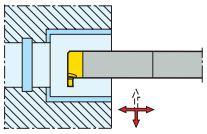
Utensili per inserti LCEX

E...-SGXN



E...-SGXN-R





- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 200-206

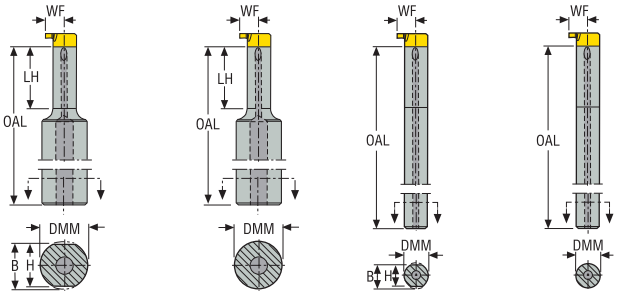
Codice di ordinazione	Codice prodotto	H	B	OAL	WF	DMM	DCINN	Peso	CTWS
		mm	mm	mm	mm	mm	mm	kg	
E06G-SGXN08	02411141	6	6	86,5	4,8	6,0	8,0	0,1	LCEX08..
E06G-SGXN08-R	02513692	–	–	86,5	4,8	6,0	8,0	0,1	LCEX08..
E08H-SGXN11	02411143	7	8	96,0	6,7	8,0	11,0	0,1	LCEX11..
E08H-SGXN11-R	02513696	–	–	96,0	6,7	8,0	11,0	0,1	LCEX11..

Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
E06G-..	T08P-2	C02506-T08P
E08H-..	T10P-2	C03509-T10P

SGXN Utensili Mini-Shaft™

Utensili per inserti LCEX



- Versione destra in figura
- Per il programma inserti, vedere pagina(e) 200-206

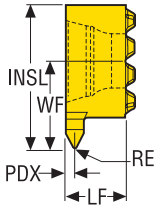
Codice di ordinazione	Codice prodotto	B	H	OAL	LH	WF	DCINN	DMM	Peso	CTWS
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*lb*	
A10G-SGXN08-078	02450441	0.605	0.586	3.406	0.650	0.188	0.315	0.625	0.220	LCEX08..
E04G-SGXN08	02450442	0.233	0.217	3.406	–	0.189	0.315	0.250	0.220	LCEX08..
A10H-SGXN11-098	02450443	0.605	0.586	3.780	0.827	0.264	0.433	0.625	0.440	LCEX11..
E05H-SGXN11	02450445	0.300	0.287	3.780	–	0.264	0.433	0.312	0.220	LCEX11..
A10G-SGXN08-078-R	02511873	–	–	3.406	0.650	0.188	0.315	0.625	0.220	LCEX08..
A10H-SGXN11-098-R	02511874	–	–	3.780	0.827	0.264	0.433	0.625	0.440	LCEX11..
E04G-SGXN08-R	02513700	–	–	3.406	–	0.189	0.315	0.250	0.220	LCEX08..
E05H-SGXN11-R	02513704	–	–	3.780	–	0.264	0.433	0.312	0.220	LCEX11..

Parti di ricambio, comprese nella fornitura

Per attacco	Chiave per vite inserto	Vite di bloccaggio inserto
A10G-../E04G-..	T08P-2	C02506-T08P
A10H-../E05H-..	T10P-2	C03509-T10P

Inserti Mini-Shaft™

Profilo parziale 60°

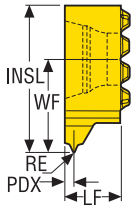


Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX0804-A60R	0,5-0,75	48-36	0,03 *0.001*	0,48 *0.019*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-A60L	0,5-0,75	48-36	0,03 *0.001*	0,48 *0.019*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX1105-A60R	0,5-0,75	48-36	0,03 *0.001*	0,48 *0.019*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-A60L	0,5-0,75	48-36	0,03 *0.001*	0,48 *0.019*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX0804-AG60R	0,75-1,25	36-20	0,07 *0.003*	0,73 *0.029*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-AG60L	0,75-1,25	36-20	0,07 *0.003*	0,73 *0.029*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX1105-AG60R	0,75-1,25	36-20	0,07 *0.003*	0,73 *0.029*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-AG60L	0,75-1,25	36-20	0,07 *0.003*	0,73 *0.029*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX0804-G60R	1,25-1,75	20-16	0,12 *0.005*	0,98 *0.039*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-G60L	1,25-1,75	20-16	0,12 *0.005*	0,98 *0.039*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX1105-G60R	1,25-1,75	16-20	0,12 *0.005*	0,98 *0.039*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-G60L	1,25-1,75	20-16	0,12 *0.005*	0,98 *0.039*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

ISO Metrico



..L

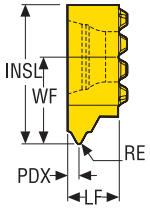
..R

Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX1105-1.0ISOR	1	–	0,07 *0.003*	0,6 *0.024*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-1.0ISOL	1	–	0,07 *0.003*	0,6 *0.024*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-1.5ISOR	1,5	–	0,12 *0.005*	0,85 *0.033*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-1.5ISOL	1,5	–	0,12 *0.005*	0,8 *0.031*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.0ISOR	2	–	0,17 *0.007*	1,1 *0.043*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.0ISOL	2	–	0,17 *0.007*	1,1 *0.043*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.5ISOR	2,5	–	0,18 *0.007*	1,35 *0.053*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.5ISOL	2,5	–	0,18 *0.007*	1,35 *0.053*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-3.0ISOR	3	–	0,21 *0.008*	1,6 *0.063*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-3.0ISOL	3	–	0,21 *0.008*	1,6 *0.063*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

Whitworth, BSW



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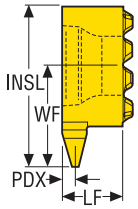
Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX1105-14WR	–	14	0,24 *0.009*	1,0 *0.039*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-14WL	–	14	0,24 *0.009*	1,0 *0.039*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-19WR	–	19	0,15 *0.006*	0,77 *0.030*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-19WL	–	19	0,15 *0.006*	0,77 *0.030*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

TR-DIN103



..RL

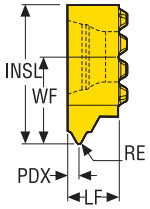
..RR

Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX1105-1.5TRR	1,5	–	0,1 *0.004*	0,8 *0.031*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-1.5TRL	1,5	–	0,1 *0.004*	0,8 *0.031*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.0TRR	2	–	0,15 *0.006*	1,1 *0.043*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-2.0TRL	2	–	0,15 *0.006*	1,1 *0.043*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-3.0TRR	3	–	0,15 *0.006*	1,6 *0.063*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		
LCEX1105-3.0TRL	3	–	0,15 *0.006*	1,6 *0.063*	6,7 *0.264*	10,7 *0.421*	4,0 *0.157*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

UN



..L

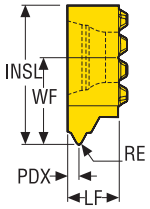
..R

Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX0804-16UNR	–	16	0,13 *0.005*	0,9 *0.035*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-16UNL	–	16	0,13 *0.005*	0,9 *0.035*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-20UNR	–	20	0,09 *0.004*	0,7 *0.028*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-20UNL	–	20	0,09 *0.004*	0,7 *0.028*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-24UNR	–	24	0,07 *0.003*	0,6 *0.024*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-24UNL	–	24	0,07 *0.003*	0,6 *0.024*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-32UNR	–	32	0,04 *0.002*	0,5 *0.020*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-32UNL	–	32	0,04 *0.002*	0,5 *0.020*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

NPT



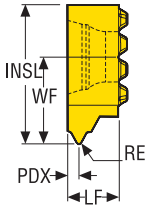
..R

Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX0804-27NPTR	–	27	0,03 *0.001*	0,57 *0.022*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		

■ **Prodotto standard.**

Inserti Mini-Shaft™

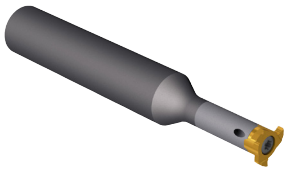
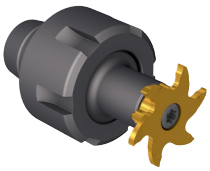
NPTF



Codice di ordinazione	Passo		RE	PDX	WF	INSL	LF	Qualità				
								Rivestite				Non rivestite
	mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	CP200	CP300	CP500	TTP2050	H15
LCEX0804-27NPTFR	–	27	0,04 *0.002*	0,57 *0.022*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		
LCEX0804-27NPTFL	–	27	0,04 *0.002*	0,57 *0.022*	4,78 *0.188*	7,78 *0.306*	3,3 *0.130*			■		

■ **Prodotto standard.**

Panoramica della gamma

Filettatura	Gamma ∅	Lunghezza
Threadmaster™ **216, 217-220, 221**	M1-M20	~ 1,5-2 x D
R396.18/19/20 **231-236**	14 ≤	~ 2 - 3,5 x D
R335.14   **243-245**	12<	~1xD<
Maschi Threadmaster™ **262-473**	M1-M64	~ 1,5–3,5 x D

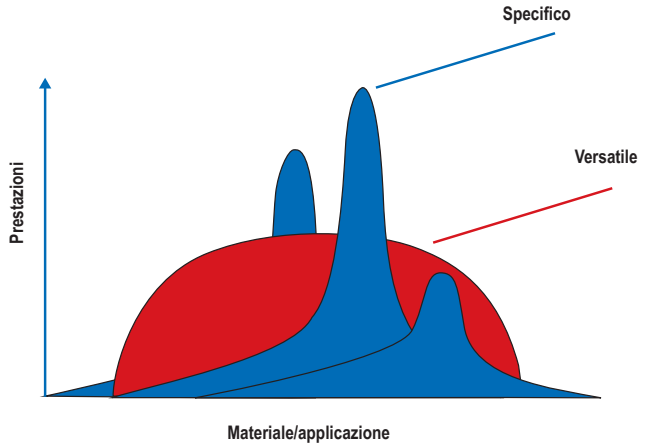
Versatili e specifiche

Frese per filettatura e maschiatura – Scelta dell'utensile

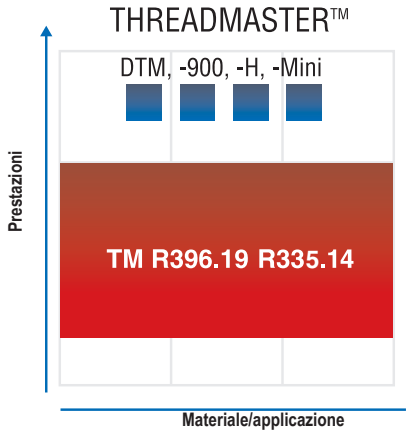
Le continue attività di ricerca e sviluppo di materiali e rivestimenti migliori e di geometrie ottimali contribuiscono a soddisfare le esigenze dei clienti.

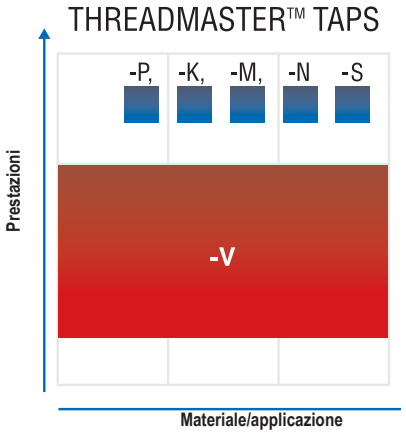
La nostra strategia produttiva è fornire al mercato utensili di prima scelta versatili e soluzioni specifiche ottimizzate per la filettatura.

Strategia di prodotto



Gamma prodotti





Frese per filettatura – Scelta della fresa, degli inserti e dei parametri di taglio

Fresa in metallo duro integrale - Threadmaster™

1. Generale

La stessa fresa può essere impiegata per eseguire filettature destre e sinistre. Le versioni metriche e UN sono solo per filettature interne. Il resto della gamma può essere utilizzato per eseguire filettature esterne e interne.
- Le frese sono riaffilabili

2. Selezione del diametro

- Consultare le pagine relative al programma Threadmaster
- Ricercare la colonna del tipo di filetto desiderato
- Individuare il passo richiesto
- Quando sono disponibili più alternative, notare quanto segue:

- Frese di piccolo diametro consentono di eseguire filettature di piccolo diametro (il diametro minimo del filetto è indicato nel codice di ordinazione).
- Il diametro maggiore consente una profondità della filettatura maggiore (la massima profondità del filetto è pari a 2 x diametro, D_c).

3. Selezione della fresa

- TM: Scelta base
- TM...-900: Adatta per acciaio e acciaio inossidabile con carico di rottura >900 N/mm^2
- TM...-H: Adatta per acciaio temprato con durezza 45-60 HRC
- DTM: Forare, filettare ed effettuare uno smusso con lo stesso utensile. Da usare su alluminio e ghisa

4. Selezione dei parametri di taglio

- Utilizzare le tabelle a partire da pagina 474 per classificare il materiale del pezzo in un SMG (gruppo materiale Seco)
- La velocità di taglio consigliata è riportata nelle tabelle dei parametri per Threadmaster
- L'avanzamento al dente (1 elica = 1 dente) consigliato è riportato nella pagina dei parametri di taglio per Threadmaster
- Le formule per il calcolo dei parametri di taglio sono riportate a pagina 211
- Per i migliori risultati utilizzare Seco Suggest https://www.secotools.com/dashboard/Suggest/Suggest.

5. Metodi di lavorazione

- Utilizzare l'interpolazione elicoidale per creare il passo
- È possibile utilizzare sia l'avanzamento in senso orario che quello in senso antiorario a seconda del tipo di filetto da eseguire, del metodo di lavorazione (destro o sinistro), o se si deve realizzare una filettatura esterna o interna
- Si consiglia di utilizzare il metodo di fresatura concorde
- Si consiglia di utilizzare refrigerante. Eccetto quando si sta filettando un materiale temprato
- Altri suggerimenti relativi alla lavorazione di alcuni materiali sono riportati nella sezione prodotto di Threadmaster

Avanzamento consigliato

Threadmaster™

- Avanzamenti consigliati per TM-M4X0.7ISO-6R1 ad eccezione di TM-Mini, i cui valori sono per TM-M1.0X0.25ISO-3R1-H e sono solo valori iniziali
- Per i migliori risultati utilizzare Seco Suggest https://www.secotools.com/dashboard/Suggest/Suggest
- Tutti gli avanzamenti sono relativi al centro dell'utensile e non alla sua periferia
- Adottare un'entrata tangenziale con avanzamento ridotto del 50%. Uscire in modo tangenziale con avanzamento aumentato del 50%
- Nell'arco di entrata e di uscita, incrementare la posizione assiale della fresa del 15% del passo
- Per acciai automatici, basso legati e ferritici, acciai da bonifica, acciai inossidabili da basso a medio legati e ghise austenitiche, lasciare un sovrametallo di 0,05 mm in a_e per la finitura
- Per acciai ad alta resistenza, acciai martensitici ed acciai inossidabili alto legati, superleghe a base Ni e leghe di titanio, asportare 2/3 di a_e nel primo taglio ed il restante 1/3 nel secondo taglio
- Per acciai temprati, asportare 1/3 di a_e nel primo taglio, 1/3 di a_e nel secondo taglio ed il rimanente 1/3 nel terzo taglio
- Per i filetti NPT e NPTF, asportare l'intera a_e in un'unica passata
- È raccomandato l'uso di refrigerante (eccetto quando si usa la tipologia -H su materiali temprati)
- Le frese con passo metrico e UN sono solo per filettature interne

TM-Mini:

- Fresa sinistra (M4)
- In entrata nel pezzo eseguire attacco in tangenza

DTM:

- Usare la foratura a step

Scelta di utensile da taglio, inserti e parametri di taglio

1. Generale

- La stessa fresa può essere impiegata per eseguire filettature esterne ed interne, destre e sinistre

2. Scegliere il diametro

- Consultare le pagine relative alle frese per filettatura e scegliere il diametro più indicato nella tabella dei dati dell'utensile
- La dimensione dell'inserto varia in funzione del diametro della fresa. Prima di scegliere il diametro fresa, verificare gli inserti disponibili
- Per la realizzazione di filettature interne, consultare la tabella relativa al "Diametro minimo di filettatura", prima di decidere il diametro fresa. Tale tabella illustra la relazione tra il diametro fresa ed il più piccolo diametro del filetto

3. Scegliere l'inserto

- Consultare la sezione relativa agli inserti per le frese per filettatura e scegliere il tipo di filetto richiesto nella dimensione inserto adeguata al diametro fresa prescelto. Per impiego universale utilizzare inserti in qualità F30M/CP500

4. Scegliere i parametri di taglio

Profondità di taglio radiale

- Per calcolare la profondità di taglio radiale (a_e), utilizzare le formule. (Vedere immagini)

Avanzamento

- Dividere la profondità di taglio radiale per il diametro fresa al fine di ottenere l'effettivo impegno radiale (a_e/D_c%). L'avanzamento al dente consigliato è riportato nella sezione dei parametri di taglio (vedere le pagine 222 - 227).

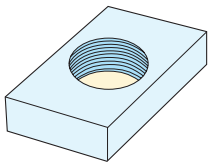
Velocità di taglio

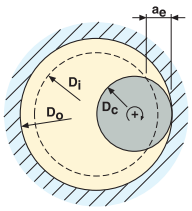
- Utilizzare le tabelle a partire da pagina 474 per classificare il materiale del pezzo in un gruppo materiale Seco.
- La velocità di taglio consigliata (per un impegno radiale del 10%) è riportata nelle tabelle dei parametri di taglio
- Il massimo numero di giri non deve essere mai superato per ragioni di sicurezza
- Le formule per il calcolo dei parametri di taglio sono riportate a pagina 211

5. Metodi di lavorazione

- Utilizzare l'accelerazione per interpolazione elicoidale per creare il passo
- È possibile utilizzare sia la direzione di avanzamento in senso orario che quella in senso antiorario, a seconda del tipo di filetto da eseguire e del metodo di lavorazione (filettatura destrorsa o sinistrorsa, filettatura esterna o interna)
- Si consiglia di utilizzare il metodo di fresatura concorde e il refrigerante. È raccomandato l'uso di refrigerante, eccetto quando si esegue la filettatura su materiali temprati

Interno





$D_i = D_o$ - 2h

Filettatura	
ISO	0,60 x p
UN	0,60 x p
W	0,69 x p
BSPT	0,69 x p
NPT	0,78 x p

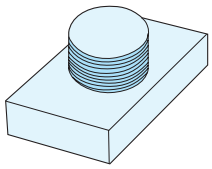
Incremento radiale a_e:

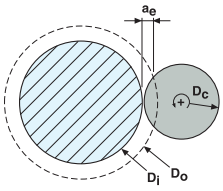
$$a_e = \frac{D_O^2 - D_i^2}{4\,(D_O - D_C)}$$

p = passo (mm)
h = altezza filetto

D_c = Diametro fresa
D_o = Diametro maggiore
D_i = Diametro minore

Esterno





$D_i = D_o$ - 2h

Filettatura	
ISO	0,65 x p
UN	0,65 x p
W	0,69 x p
BSPT	0,69 x p
NPT	0,78 x p

Incremento radiale a_e:

$$a_e = \frac{D_O^2 - D_i^2}{4\,(D_i + D_C)}$$

p = passo (mm)
h = altezza filetto

D_c = Diametro fresa
D_o = Diametro maggiore
D_i = Diametro minore

Scelta di utensile da taglio, inserti e parametri di taglio

Giri al minuto

$$n = \frac{v_c \cdot 1000}{\pi \cdot D_c} \quad \text{(giri/min)}$$

Velocità di taglio

$$v_c = \frac{n \cdot \pi \cdot D_c}{1000} \quad \text{(m/min)}$$

Velocità di avanzamento

$$v_f = n \cdot z_n \cdot f_z \quad \text{(mm/min)}$$

$$v_f = n \cdot z_c \cdot f_z \quad \text{(mm/min)}$$

Avanzamento per giro

$$f = z_n \cdot f_z \quad \text{(mm/giro)}$$

$$f = z_c \cdot f_z \quad \text{(mm/giro)}$$

D_c = Diametro (mm)
f = Avanzamento per giro (mm)
f_z = Avanzamento al dente (mm/dente)
z_c = Numero di denti effettivo per il calcolo di velocità di avanzamento per giro

n = Giri al minuto (giri/min)
v_c = Velocità di taglio (m/min)
v_f = Velocità di avanzamento (mm/min)
z_n = Numero di denti

Giri al minuto

$$n = \frac{v_c \cdot 3.82}{D_c} \quad \text{(giri/min)}$$

Velocità di taglio

$$v_c = \frac{n \cdot D_c}{3.82} \quad \text{(sf/min)}$$

Velocità di avanzamento

$$v_f = n \cdot z_n \cdot f_z \quad \text{(poll/min)}$$

$$v_f = n \cdot z_c \cdot f_z \quad \text{(poll/min)}$$

Avanzamento per giro

$$f = z_n \cdot f_z \quad \text{(poll/giri)}$$

$$f = z_c \cdot f_z \quad \text{(poll/giri)}$$

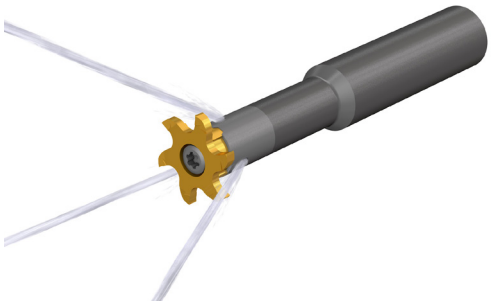
D_c = Diametro (pollici)
f = Avanzamento per giro (pollici)
f_z = Avanzamento al dente (poll/dente)
z_c = Numero di denti effettivo per il calcolo di velocità di avanzamento per giro

n = Giri al minuto (giri/min)
v_c = Velocità di taglio (sf/min)
v_f = Velocità di avanzamento (sf/min)
z_n = Numero di denti

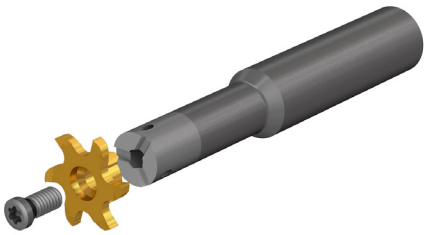
Fresa a disco 335.14

Fresa a disco con testina intercambiabile in metallo duro a partire da diametro 9,7 mm *(0,382")*

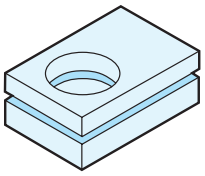
È disponibile una vasta gamma di testine e steli, per tutte le applicazioni di fresatura a disco in interpolazione circolare o scanalatura.



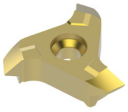
Connessione tra testina e corpo fresa robusta, affidabile e precisa.

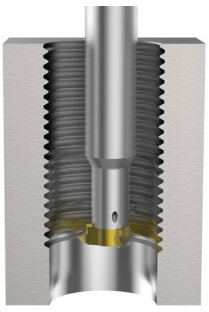


Copre tutti i tipi di materiale con l'universale geometria M e la qualità F32M.

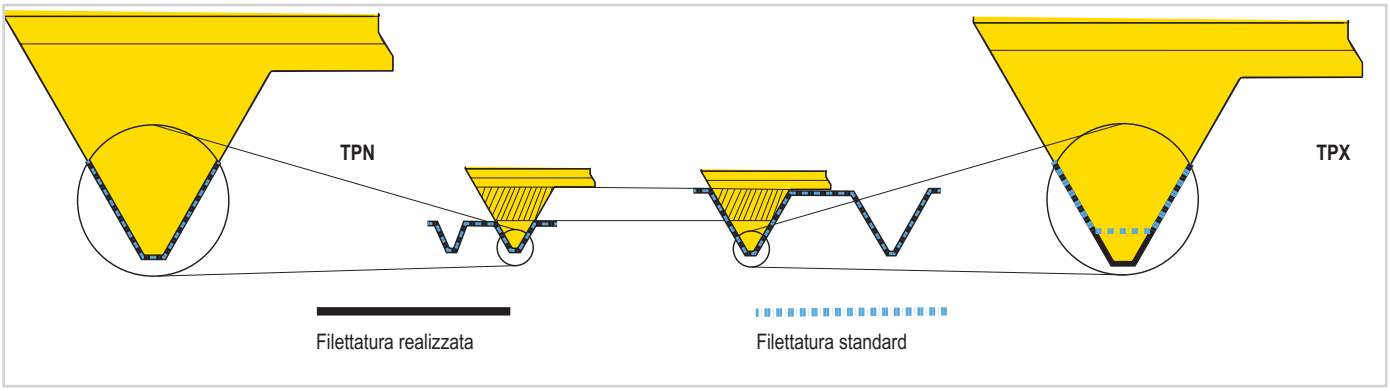


Filettatura:
Testine con diametro da 11,7 a 27,7 mm *(da 0,461" a 1,091")* per filettature metriche a profilo parziale con passo da 1 a 6 mm *(da 0,039" a 0,236")* e per filettature Whitworth a profilo completo con passo da 19 a 11 TPI e per filettature UN con passo da 24 a 6 TPI.





Deviazione dal profilo del filetto standard



La filettatura di fresatura per interpolazione circolare può generare profili non corretti quando si impiegano inserti in versione per filettatura a profilo. Tenere presente questo aspetto al momento di sceglie un utensile. Il diametro dell'utensile dev'essere sufficientemente piccolo rispetto al diametro del foro. È da considerare anche il passo.

Ogni inserto a profilo parziale per filetti metrici ISO può effettuare filettature con passi diversi. L'inserto è progettato per realizzare il passo minimo (TPN); lavorare questo passo garantisce una forma del filetto conforme allo standard.

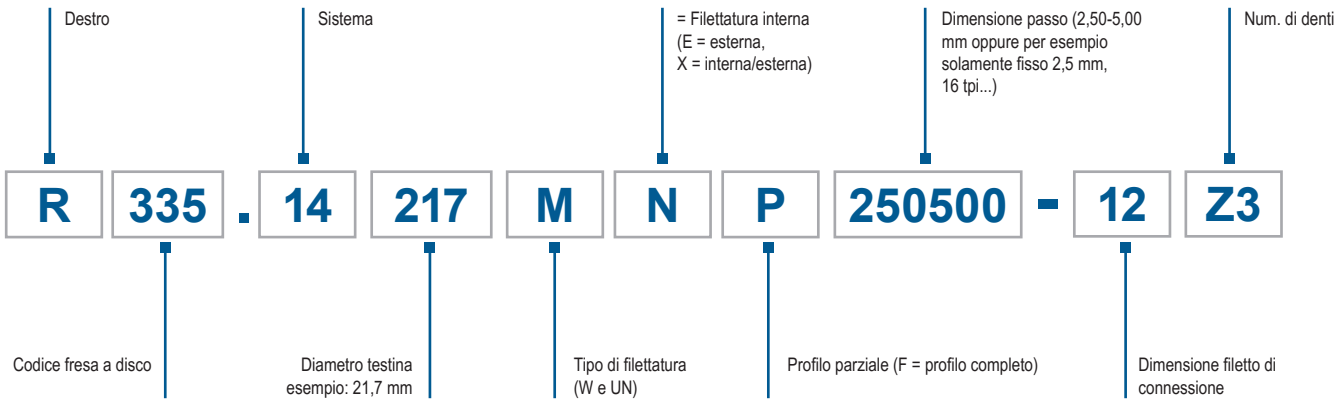
Anche il passo massimo raccomandato (TPX) può essere realizzato con questo inserto, ma a scapito della conformità allo standard: Il risultato sarà un filetto leggermente più profondo dello standard. Un filetto più profondo è normalmente accettato, ma è da valutare in funzione dell'applicazione e dell'impiego del componente.

La seguente tabella indica il diametro massimo raccomandato dell'utensile in relazione alla dimensione ed al passo della filettatura:

Filettatura ISO, profilo parziale

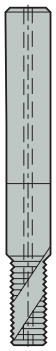
Passo	M12	M16	M20	M24	M27	M30	M36	M42	M48	M56	M60
1	10	14	18	22	25	28	34	40	45	53	57
1,5	8	12	16	20	24	26	32	37	43	51	55
2	7	10	14	18	22	24	30	35	40	48	52
2,5	6	8	12	16	20	22	28	32	37	45	48
3		6	10	14	18	20	26	30	36	43	47
3,5				12	16	18	24	29	35	42	46
4							22	27	32	39	43
4,5								24	30	37	40
5								22	27	34	37
5,5								20	25	31	35
6								19	23	29	32

Chiave di codifica inserto per filettatura

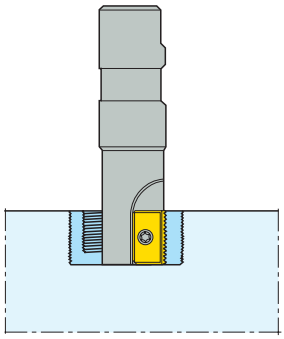
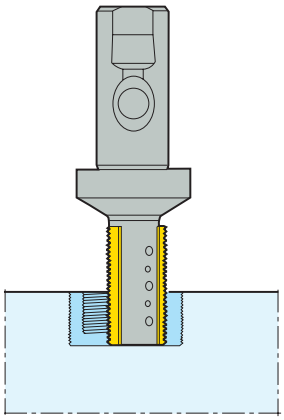
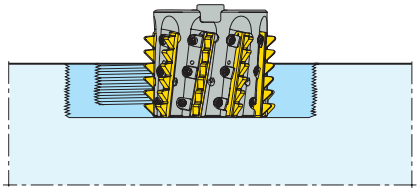


Frese, panoramica applicazioni

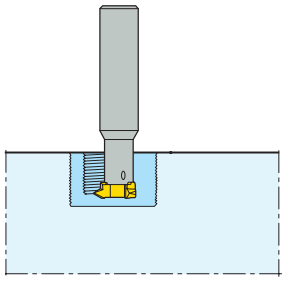
Metallo duro

Threadmaster™

TM - Dimensione filettatura M1-M20 Frese per filettatura in metallo duro integrale
216, 217-220, 221

Fresa con inserti

396.18	396.19	396.20
		
Ø 12 mm (0,472") Frese per filettatura con inserto a fissaggio meccanico	Ø 17-58 mm (0,669-2,283") Frese per filettatura con inserti a fissaggio meccanico	Ø 63 mm (2,480") Frese per filettatura con inserti a fissaggio meccanico
231-232	231-234	236

Fresa con testina sostituibile

335.14

Ø 11,7-27,7 mm (0,461-1,091") Frese per filettatura con testina sostituibile
243

Threadmaster™

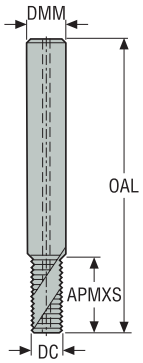
Le frese per filettatura Threadmaster™ consentono di produrre filettature di alta qualità a un costo per foro contenuto. Riescono a lavorare sull'intera profondità e presentano ampi angoli dell'elica che determinano la riduzione delle forze di taglio e l'eliminazione delle vibrazioni. Sono caratterizzate da un eccellente substrato in metallo duro e da un rivestimento in TiCN (TM e TM-900) o TiAlN (TM-H e DTM) che fornisce elevata tenacità e resistenza all'usura nella fresatura di alluminio, acciaio, acciaio inossidabile e ghisa.

La fresa per filettatura forante Threadmaster è un multi-utensile che produce filettature tramite foratura e smussatura in un'unica passata creando filettature di alta qualità a un costo per foro contenuto.

- Alcune versioni hanno canali per adduzione di refrigerante interna
- Filettature comprese tra M4 e M20
- Dimensioni delle frese per filettatura Mini tra M1 e M2,5

Threadmaster™

Frese per filettatura in metallo duro integrale



- Per i parametri di taglio, vedere le pagine 222
- TM; 2 x D
- Angolo di smusso STA = 45°

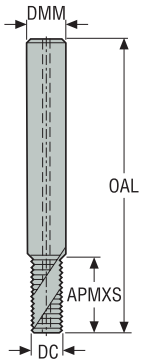
Profilo del filetto
* = Filettatura metrica grossa, per filettatura interna
** = Filettatura metrica fine, per filettatura interna
*** = UNC, per filettatura interna

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DMM	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
TM-M4X0.7ISO-6R1	02827408	M4	0,7	–	*	3,15 *0.124*	6,0 *0.236*	49,0 *1.929*	8,0 *0.315*	3	–
TM-M4X0.7ISO-6R1-900	02827358	M4	0,7	–	*	3,15 *0.124*	6,0 *0.236*	49,0 *1.929*	8,0 *0.315*	3	–
TM-M4X0.7ISO-6R1-H	02827349	M4	0,7	–	*	3,15 *0.124*	6,0 *0.236*	46,0 *1.811*	6,3 *0.248*	4	–
TM-M5X0.8ISO-6R1	02827407	M5	0,8	–	*	3,95 *0.156*	6,0 *0.236*	49,0 *1.929*	10,0 *0.394*	3	–
TM-M5X0.8ISO-6R1-900	02827359	M5	0,8	–	*	3,95 *0.156*	6,0 *0.236*	49,0 *1.929*	10,0 *0.394*	3	–
TM-M5X0.8ISO-6R1-H	02827350	M5	0,8	–	*	3,95 *0.156*	6,0 *0.236*	47,0 *1.850*	7,2 *0.283*	4	–
TM-M6X1.0ISO-6R1	02827406	M6	1,0	–	*	4,7 *0.185*	6,0 *0.236*	55,0 *2.165*	12,5 *0.492*	3	–
TM-M6X1.0ISO-6R1-900	02827360	M6	1,0	–	*	4,7 *0.185*	6,0 *0.236*	55,0 *2.165*	12,5 *0.492*	3	–
TM-M6X1.0ISO-6R1-H	02827351	M6	1,0	–	*	4,7 *0.185*	6,0 *0.236*	52,0 *2.047*	8,5 *0.335*	4	–
TM-M8X1.25ISO-8R1	02827405	M8	1,25	–	*	6,2 *0.244*	8,0 *0.315*	62,0 *2.441*	16,9 *0.665*	3	✓
TM-M8X1.25ISO-8R1-900	02827361	M8	1,25	–	*	6,2 *0.244*	8,0 *0.315*	62,0 *2.441*	16,9 *0.665*	3	✓
TM-M8X1.25ISO-8R1-H	02827352	M8	1,25	–	*	6,2 *0.244*	8,0 *0.315*	57,0 *2.244*	12,5 *0.492*	4	–
TM-M10X1.5ISO-10R1	02827404	M10	1,5	–	*	7,8 *0.307*	10,0 *0.394*	74,0 *2.913*	20,3 *0.799*	3	✓
TM-M10X1.5ISO-10R1-900	02827362	M10	1,5	–	*	7,8 *0.307*	10,0 *0.394*	74,0 *2.913*	20,3 *0.799*	3	✓
TM-M10X1.5ISO-10R1-H	02827353	M10	1,5	–	*	7,8 *0.307*	10,0 *0.394*	66,0 *2.598*	15,0 *0.591*	5	–
TM-M12X1.75ISO-12R1	02827403	M12	1,75	–	*	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	25,4 *1.000*	3	✓
TM-M12X1.75ISO-12R1-900	02827363	M12	1,75	–	*	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	25,4 *1.000*	3	✓
TM-M12X1.75ISO-12R1-H	02827354	M12	1,75	–	*	9,4 *0.370*	12,0 *0.472*	76,0 *2.992*	17,5 *0.689*	5	–
TM-M14X2.0ISO-14R1	02827402	M14	2,0	–	*	10,9 *0.429*	14,0 *0.551*	89,0 *3.504*	29,0 *1.142*	4	✓

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DMM	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
TM-M14X2.0ISO-14R1-900	02827364	M14	2,0	–	*	10,9 *0.429*	14,0 *0.551*	89,0 *3.504*	29,0 *1.142*	4	✓
TM-M20X2.5ISO-20R1	02827348	M20	2,5	–	*	15,83 *0.623*	20,0 *0.787*	108,0 *4.252*	40,0 *1.575*	4	✓
TM-MF4X0.5ISO-6R1	02827392	M4	0,5	–	**	3,15 *0.124*	6,0 *0.236*	49,0 *1.929*	8,3 *0.327*	3	–
TM-MF5X0.5ISO-6R1	02827430	M5	0,5	–	**	3,95 *0.156*	6,0 *0.236*	49,0 *1.929*	10,3 *0.406*	3	–
TM-MF6X0.75ISO-6R1	02827429	M6	0,75	–	**	4,7 *0.185*	6,0 *0.236*	55,0 *2.165*	12,4 *0.488*	3	–
TM-MF10X1.0ISO-10R1	02827401	M10	1,0	–	**	7,8 *0.307*	10,0 *0.394*	74,0 *2.913*	20,5 *0.807*	3	✓
TM-MF12X1.5ISO-12R1	02827400	M12	1,5	–	**	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	24,8 *0.976*	3	✓
TM-MF12X1.5ISO-12R1-900	02827365	M12	1,5	–	**	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	24,8 *0.976*	3	✓
TM-MF12X1.5ISO-12R1-H	02827355	M12	1,5	–	**	9,4 *0.370*	12,0 *0.472*	76,0 *2.992*	17,9 *0.705*	5	–
TM-MF14X1.5ISO-14R1-H	02827356	M14	1,5	–	**	10,92 *0.430*	14,0 *0.551*	82,0 *3.228*	21,4 *0.843*	5	–
TM-MF16X1.5ISO-16R1-H	02827357	M16	1,5	–	**	12,82 *0.505*	16,0 *0.630*	94,0 *3.701*	23,9 *0.941*	5	–
TM-NR.10X24UNC-6R1	02827491	No.10	–	24.0	***	3,7 *0.146*	6,0 *0.236*	49,0 *1.929*	10,1 *0.398*	3	–
TM-1/4X20UNC-6R1	02827511	1/4	–	20.0	***	4,7 *0.185*	6,0 *0.236*	55,0 *2.165*	14,6 *0.575*	3	–
TM-5/16X18UNC-8R1	02827495	5/16	–	18.0	***	6,2 *0.244*	8,0 *0.315*	62,0 *2.441*	16,2 *0.638*	3	✓
TM-3/8X16UNC-10R1	02827399	3/8	–	16.0	***	7,35 *0.289*	10,0 *0.394*	74,0 *2.913*	19,8 *0.780*	3	✓
TM-7/16X14UNC-12R1	02827398	7/16	–	14.0	***	8,55 *0.337*	12,0 *0.472*	79,0 *3.110*	22,7 *0.894*	3	✓
TM-1/2X13UNC-12R1	02827494	1/2	–	13.0	***	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	26,4 *1.039*	3	✓
TM-9/16X12UNC-14R1	02827493	9/16	–	12.0	***	10,9 *0.429*	14,0 *0.551*	89,0 *3.504*	30,7 *1.209*	4	✓

Threadmaster™

Frese per filettatura in metallo duro integrale



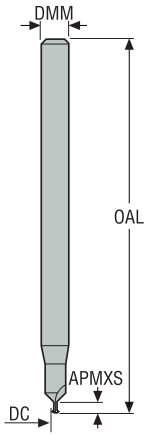
- Per i parametri di taglio, vedere le pagine 222
- TM; 2 x D
- Angolo di smusso = 45°

Profilo del filetto
* = UNF, per filettatura interna
** = NPT, per filettatura interna ed esterna
*** = NPTF, per filettatura interna ed esterna
**** = BSP, per filettatura interna ed esterna

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DMM	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
TM-NR.10X32UNF-6R1	02827397	No.10	–	32.0	*	3,95 *0.156*	6,0 *0.236*	49,0 *1.929*	9,9 *0.390*	3	–
TM-1/4X28UNF-6R1	02827396	1/4	–	28.0	*	4,7 *0.185*	6,0 *0.236*	55,0 *2.165*	14,1 *0.555*	3	–
TM-5/16X24UNF-8R1	02765298	5/16	–	24.0	*	6,2 *0.244*	8,0 *0.315*	62,0 *2.441*	16,4 *0.646*	3	✓
TM-3/8X24UNF-10R1	02827395	3/8	–	24.0	*	7,8 *0.307*	10,0 *0.394*	74,0 *2.913*	19,6 *0.772*	3	✓
TM-7/16X20UNF-12R1	02827394	7/16	–	20.0	*	9,32 *0.367*	12,0 *0.472*	79,0 *3.110*	22,2 *0.874*	3	✓
TM-1/2X20UNF-12R1	02827393	1/2	–	20.0	*	9,4 *0.370*	12,0 *0.472*	79,0 *3.110*	26,0 *1.024*	3	✓
TM-9/16X18UNF-14R1	02827492	9/16	–	18.0	*	10,9 *0.429*	14,0 *0.551*	89,0 *3.504*	28,9 *1.138*	4	✓
TM-1/8X27NPT-12R1	02827435	1/8	–	27.0	**	7,8 *0.307*	12,0 *0.472*	70,0 *2.756*	8,9 *0.350*	3	✓
TM-1/4X18NPT-16R1	02827434	1/4	–	18.0	**	10,05 *0.396*	16,0 *0.630*	81,0 *3.189*	13,4 *0.528*	4	✓
TM-3/8X18NPT-18R1	02827409	3/8	–	18.0	**	13,45 *0.530*	18,0 *0.709*	81,0 *3.189*	13,4 *0.528*	4	✓
TM-1/8X27NPTF-12R1	02827433	1/8	–	27.0	***	7,7 *0.303*	12,0 *0.472*	70,0 *2.756*	8,9 *0.350*	3	✓
TM-1/4X18NPTF-16R1	02827432	1/4	–	18.0	***	10,0 *0.394*	16,0 *0.630*	81,0 *3.189*	13,4 *0.528*	4	✓
TM-3/8X18NPTF-18R1	02827410	3/8	–	18.0	***	13,4 *0.528*	18,0 *0.709*	81,0 *3.189*	13,4 *0.528*	4	✓
TM-1/8X28W-10R1	02827431	1/8	–	28.0	****	7,8 *0.307*	10,0 *0.394*	74,0 *2.913*	20,4 *0.803*	3	✓
TM-1/4X19W-14R1	02543519	1/4	–	19.0	****	10,9 *0.429*	14,0 *0.551*	89,0 *3.504*	27,4 *1.079*	4	✓
TM-3/8X19W-18R1	02765294	3/8	–	19.0	****	13,9 *0.547*	18,0 *0.709*	102,0 *4.016*	35,4 *1.394*	4	✓

Threadmaster™ – TM-Mini

Frese per filettatura in metallo duro integrale



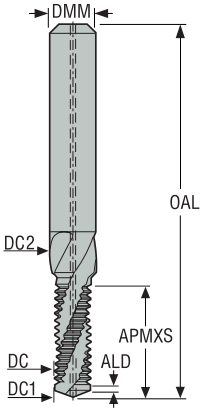
- Utensile sinistro
- Per i parametri di taglio, vedere le pagine 222
- TM : 1.5 x D
- Angolo di smusso = 90°

Profilo del filetto
* = Filettatura metrica grossa, per filettatura interna

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DMM	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
TM-M1.0X0.25ISO-3R1-H	02807939	M1.0	0,25	–	*	0,7 *0.028*	3,0 *0.118*	40,0 *1.575*	2,05 *0.081*	2	–
TM-M1.4X0.30ISO-3R1-H	02807940	M1.4	0,3	–	*	0,97 *0.038*	3,0 *0.118*	40,0 *1.575*	2,63 *0.104*	2	–
TM-M1.6X0.35ISO-3R1-H	02807941	M1.6	0,35	–	*	1,15 *0.045*	3,0 *0.118*	40,0 *1.575*	3,07 *0.121*	2	–
TM-M2.0X0.40ISO-3R1-H	02807942	M2.0	0,4	–	*	1,56 *0.061*	3,0 *0.118*	40,0 *1.575*	3,74 *0.147*	2	–
TM-M2.2X0.45ISO-3R1-H	02807943	M2.2	0,45	–	*	1,71 *0.067*	3,0 *0.118*	40,0 *1.575*	3,9 *0.154*	2	–
TM-M2.5X0.45ISO-3R1-H	02807944	M2.5	0,45	–	*	2,01 *0.079*	3,0 *0.118*	40,0 *1.575*	4,45 *0.175*	3	–

Threadmaster™ forante

Frese per filettatura in metallo duro integrale



- Per i parametri di taglio, vedere le pagine 224
- DTM; 2 x D
- Angolo di smusso = 90°
- Punto di perforazione = 140°

Profilo del filetto
* = Filettatura metrica grossa
** = Filettatura metrica fine
*** = UNC
**** = UNF
***** = BSP

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DC1	DC2	DMM	ALD	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
DTM-M4X0.7ISO-6R1	02827366	M4	0,7	–	*	3,24 *0.128*	3,3 *0.130*	4,3 *0.169*	6,0 *0.236*	0,7 *0.028*	49,0 *1.929*	9,42 *0.371*	2	✓
DTM-M5X0.8ISO-6R1	02827367	M5	0,8	–	*	4,1 *0.161*	4,2 *0.165*	5,3 *0.209*	6,0 *0.236*	0,8 *0.031*	55,0 *2.165*	11,65 *0.459*	2	✓
DTM-M6X1.0ISO-8R1	02827368	M6	1,0	–	*	4,85 *0.191*	5,0 *0.197*	6,3 *0.248*	8,0 *0.315*	1,0 *0.039*	62,0 *2.441*	14,49 *0.570*	2	✓
DTM-M8X1.25ISO-10R1	02827369	M8	1,25	–	*	6,45 *0.254*	6,75 *0.266*	8,3 *0.327*	10,0 *0.394*	1,2 *0.047*	74,0 *2.913*	18,17 *0.715*	2	✓
DTM-M10X1.5ISO-12R1	02827370	M10	1,5	–	*	8,08 *0.318*	8,5 *0.335*	10,3 *0.406*	12,0 *0.472*	1,5 *0.059*	79,0 *3.110*	23,37 *0.920*	2	✓
DTM-M12X1.75ISO-14R1	02827371	M12	1,75	–	*	9,74 *0.383*	10,25 *0.404*	12,3 *0.484*	14,0 *0.551*	1,5 *0.059*	89,0 *3.504*	27,06 *1.065*	2	✓
DTM-M14X2.0ISO-16R1	02827372	M14	2,0	–	*	11,36 *0.447*	12,0 *0.472*	14,3 *0.563*	16,0 *0.630*	1,5 *0.059*	102,0 *4.016*	32,77 *1.290*	2	✓
DTM-M16X2.0ISO-18R1	02827373	M16	2,0	–	*	13,28 *0.523*	14,0 *0.551*	16,3 *0.642*	18,0 *0.709*	1,5 *0.059*	102,0 *4.016*	37,12 *1.461*	2	✓
DTM-MF8X1.0ISO-10R1	02827374	M8	1,0	–	**	6,79 *0.267*	7,0 *0.276*	8,3 *0.327*	10,0 *0.394*	1,0 *0.039*	74,0 *2.913*	18,8 *0.740*	2	✓
DTM-MF10X1.0ISO-12R1	02827375	M10	1,0	–	**	8,75 *0.344*	9,0 *0.354*	10,3 *0.406*	12,0 *0.472*	1,5 *0.059*	79,0 *3.110*	23,18 *0.913*	2	✓
DTM-MF12X1.5ISO-14R1	02827376	M12	1,5	–	**	10,06 *0.396*	10,5 *0.413*	12,3 *0.484*	14,0 *0.551*	1,5 *0.059*	89,0 *3.504*	28,19 *1.110*	2	✓
DTM-1/4X20UNC-8R1	02827377	1/4	–	20.0	***	4,7 *0.185*	5,08 *0.200*	6,65 *0.262*	8,0 *0.315*	1,2 *0.047*	62,0 *2.441*	15,71 *0.619*	2	✓
DTM-5/16X18UNC-10R1	02827378	5/16	–	18.0	***	6,01 *0.237*	6,53 *0.257*	8,24 *0.324*	10,0 *0.394*	1,4 *0.055*	74,0 *2.913*	19,0 *0.748*	2	✓
DTM-3/8X16UNC-12R1	02827379	3/8	–	16.0	***	7,36 *0.290*	7,94 *0.313*	9,83 *0.387*	12,0 *0.472*	1,5 *0.059*	79,0 *3.110*	22,97 *0.904*	2	✓
DTM-1/2X13UNC-14R1	02827380	1/2	–	13.0	***	9,87 *0.389*	10,75 *0.423*	13,0 *0.512*	14,0 *0.551*	1,5 *0.059*	89,0 *3.504*	30,07 *1.184*	2	✓
DTM-1/4X28UNF-8R1	02827381	1/4	–	28.0	****	5,17 *0.204*	5,44 *0.214*	6,65 *0.262*	8,0 *0.315*	0,9 *0.035*	62,0 *2.441*	15,16 *0.597*	2	✓
DTM-5/16X24UNF-10R1	02827382	5/16	–	24.0	****	6,51 *0.256*	6,88 *0.271*	8,24 *0.324*	10,0 *0.394*	1,1 *0.043*	74,0 *2.913*	18,83 *0.741*	2	✓
DTM-3/8X24UNF-12R1	02827383	3/8	–	24.0	****	8,07 *0.318*	8,47 *0.333*	9,83 *0.387*	12,0 *0.472*	1,1 *0.043*	79,0 *3.110*	21,2 *0.835*	2	✓
DTM-1/2X20UNF-14R1	02827384	1/2	–	20.0	****	10,88 *0.428*	11,43 *0.450*	13,0 *0.512*	14,0 *0.551*	1,3 *0.051*	89,0 *3.504*	28,19 *1.110*	2	✓

Codice di ordinazione	Codice prodotto	TDZ	Passo		Profilo del filetto	DC	DC1	DC2	DMM	ALD	OAL	APMXS	NOF	Refrige-razione interna
			TPX	TPIX		mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		
DTM-1/8X28W-12R1	02827385	1/8	–	28.0	*****	8,4 *0.331*	8,71 *0.343*	10,03 *0.395*	12,0 *0.472*	0,9 *0.035*	79,0 *3.110*	22,03 *0.867*	2	✓
DTM-1/4X19W-16R1	02827386	1/4	–	19.0	*****	11,44 *0.450*	11,67 *0.459*	13,46 *0.530*	16,0 *0.630*	1,3 *0.051*	102,0 *4.016*	29,45 *1.159*	2	✓

Threadmaster™ Parametri di taglio misure metriche *Pollici*

SMG	TM		TM-900		TM-H		TM-MINI	
	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c
P1	0,010 *0.00040*	145 *475*	— —	— —	— —	— —	— —	— —
P2	0,010 *0.00040*	140 *460*	— —	— —	— —	— —	— —	— —
P3	0,0095 *0.00038*	120 *395*	— —	— —	— —	— —	— —	— —
P4	0,0095 *0.00038*	105 *345*	0,0040 *0.00016*	105 *345*	— —	— —	— —	— —
P5	0,0090 *0.00036*	100 *330*	0,0040 *0.00016*	100 *330*	— —	— —	— —	— —
P6	0,0090 *0.00036*	115 *375*	0,0040 *0.00016*	115 *375*	— —	— —	— —	— —
P7	0,0090 *0.00036*	110 *360*	0,0040 *0.00016*	110 *360*	— —	— —	— —	— —
P8	0,0095 *0.00038*	100 *330*	0,0042 *0.00017*	100 *330*	— —	— —	— —	— —
P11	0,0090 *0.00036*	105 *345*	0,0040 *0.00016*	105 *345*	— —	— —	— —	— —
P12	0,0060 *0.00024*	60 *195*	0,0028 *0.00011*	60 *195*	— —	— —	— —	— —
M1	0,010 *0.00040*	100 *330*	0,0044 *0.00017*	100 *330*	— —	— —	— —	— —
M2	0,0090 *0.00036*	80 *260*	0,0040 *0.00016*	80 *260*	— —	— —	— —	— —
M3	0,0075 *0.00030*	60 *195*	0,0032 *0.00013*	60 *195*	— —	— —	— —	— —
M4	0,0065 *0.00026*	47 *155*	0,0028 *0.00011*	47 *155*	— —	— —	— —	— —
M5	0,0065 *0.00026*	39 *130*	0,0028 *0.00011*	39 *130*	— —	— —	— —	— —
K1	0,010 *0.00040*	145 *475*	0,0044 *0.00017*	100 *330*	— —	— —	— —	— —
K2	0,0090 *0.00036*	125 *410*	0,0040 *0.00016*	90 *295*	— —	— —	— —	— —
K3	0,0090 *0.00036*	105 *345*	0,0040 *0.00016*	75 *245*	— —	— —	— —	— —
K4	0,0090 *0.00036*	100 *330*	0,0040 *0.00016*	70 *230*	— —	— —	— —	— —
K5	0,0080 *0.00032*	60 *195*	0,0036 *0.00014*	42 *140*	— —	— —	— —	— —
K6	0,0090 *0.00036*	90 *295*	0,0040 *0.00016*	65 *215*	— —	— —	— —	— —
K7	0,0080 *0.00032*	80 *260*	0,0036 *0.00014*	55 *180*	— —	— —	— —	— —
N1	0,013 *0.00050*	395 *1300*	0,0055 *0.00022*	335 *1100*	— —	— —	— —	— —
N2	0,013 *0.00050*	255 *840*	0,0055 *0.00022*	215 *710*	— —	— —	— —	— —
N3	0,013 *0.00050*	170 *560*	0,0055 *0.00022*	145 *475*	— —	— —	— —	— —
N11	0,013 *0.00050*	225 *740*	0,0055 *0.00022*	195 *640*	— —	— —	— —	— —
S1	0,0065 *0.00026*	50 *165*	0,0028 *0.00011*	20 *65*	— —	— —	— —	— —
S2	0,0065 *0.00026*	41 *135*	0,0028 *0.00011*	15 *49*	— —	— —	— —	— —
S3	0,0060 *0.00024*	20 *65*	0,0026 *0.00010*	10 *33*	— —	— —	— —	— —
S11	0,0075 *0.00030*	105 *345*	0,0032 *0.00013*	40 *130*	— —	— —	— —	— —
S12	0,0075 *0.00030*	80 *260*	0,0032 *0.00013*	31 *100*	— —	— —	— —	— —
S13	0,0065 *0.00026*	65 *215*	0,0028 *0.00011*	24 *80*	— —	— —	— —	— —
H3	— —	— —	— —	— —	0,0016 *0.000065*	19 *60*	0,0022 *0.000085*	11 *36*
H5	— —	— —	— —	— —	0,0025 *0.00010*	36 *120*	0,0032 *0.00013*	21 *70*
H7	— —	— —	— —	— —	0,0016 *0.000065*	19 *60*	0,0022 *0.000085*	11 *36*
H8	— —	— —	— —	— —	0,0019 *0.000075*	36 *120*	0,0025 *0.00010*	21 *70*
H11	— —	— —	— —	— —	0,0025 *0.00010*	45 *150*	0,0032 *0.00013*	26 *85*

SMG	TM		TM-900		TM-H		TM-MINI	
	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c
H12	—	—	—	—	0,0019	41	0,0025	24
	—	—	—	—	*0.000075*	*135*	*0.00010*	*80*
H21	—	—	—	—	0,0019	36	0,0025	21
	—	—	—	—	*0.000075*	*120*	*0.00010*	*70*
H31	—	—	—	—	—	—	—	—

SMG = gruppo materiale Seco
f_z = mm/dente (mm/elica)
v_c= m/min
Tutti i parametri di taglio sono valori iniziali

Threadmaster™ forante Parametri di taglio, fresa a filettare misure metriche *inch*

SMG	DTM	
	f_z	v_c
K1	0,0065 *0.00026*	175 *570*
K2	0,0060 *0.00024*	155 *510*
K3	0,0060 *0.00024*	130 *425*
K4	0,0060 *0.00024*	125 *410*
K5	0,0055 *0.00022*	75 *245*
K6	0,0060 *0.00024*	110 *360*
K7	0,0055 *0.00022*	95 *310*
N1	0,0085 *0.00034*	400 *1300*
N2	0,0085 *0.00034*	255 *840*
N3	0,0085 *0.00034*	170 *560*
N11	0,0085 *0.00034*	225 *740*

Threadmaster™ forante Parametri di taglio, foratura misure metriche *inch*

SMG	f						v_c
	Ø 3.01-5.0 Ø 0.118-0.196	Ø 5.01-7.0 Ø 0.197-0.275	Ø 7.01-9.0 Ø 0.276-0.354	Ø 9.01-11.0 Ø 0.355-0.433	Ø 11.01-13.0 Ø 0.434-0.511	Ø 13.01-15.0 Ø 0.512-0.590	
K1	0,12 *0.0048*	0,15 *0.0060*	0,18 *0.0070*	0,19 *0.0075*	0,22 *0.0085*	0,25 *0.010*	170 *560*
K2	0,11 *0.0044*	0,13 *0.0050*	0,16 *0.0065*	0,17 *0.0065*	0,20 *0.0080*	0,22 *0.0085*	150 *490*
K3	0,11 *0.0044*	0,13 *0.0050*	0,16 *0.0065*	0,17 *0.0065*	0,20 *0.0080*	0,22 *0.0085*	125 *410*
K4	0,11 *0.0044*	0,13 *0.0050*	0,16 *0.0065*	0,17 *0.0065*	0,20 *0.0080*	0,22 *0.0085*	120 *395*
K5	0,095 *0.0038*	0,12 *0.0048*	0,14 *0.0055*	0,16 *0.0065*	0,18 *0.0070*	0,20 *0.0080*	70 *230*
K6	0,11 *0.0044*	0,13 *0.0050*	0,16 *0.0065*	0,17 *0.0065*	0,20 *0.0080*	0,22 *0.0085*	105 *345*
K7	0,095 *0.0038*	0,12 *0.0048*	0,14 *0.0055*	0,16 *0.0065*	0,18 *0.0070*	0,20 *0.0080*	90 *295*
N1	0,15 *0.0060*	0,19 *0.0075*	0,22 *0.0085*	0,24 *0.0095*	0,28 *0.011*	0,32 *0.013*	390 *1275*
N2	0,15 *0.0060*	0,19 *0.0075*	0,22 *0.0085*	0,24 *0.0095*	0,28 *0.011*	0,32 *0.013*	250 *820*
N3	0,15 *0.0060*	0,19 *0.0075*	0,22 *0.0085*	0,24 *0.0095*	0,28 *0.011*	0,32 *0.013*	165 *540*
N11	0,15 *0.0060*	0,19 *0.0075*	0,22 *0.0085*	0,24 *0.0095*	0,28 *0.011*	0,32 *0.013*	220 *720*

SMG = gruppo materiale Seco
f_z = mm/dente (mm/elica)
f = mm/giro
v_c= m/min
Tutti i parametri di taglio sono valori iniziali

Frese per filettatura 396.18/19/20 Parametri di taglio misure metriche *inch*

SMG	CP500		F30M		H15	
	f_z	v_c	f_z	v_c	f_z	v_c
P1	0,050 *0.0020*	385 *1275*	0,050 *0.0020*	385 *1275*	— —	— —
P2	0,055 *0.0022*	375 *1225*	0,055 *0.0022*	375 *1225*	— —	— —
P3	0,050 *0.0020*	325 *1075*	0,050 *0.0020*	325 *1075*	— —	— —
P4	0,050 *0.0020*	285 *940*	0,050 *0.0020*	285 *940*	— —	— —
P5	0,048 *0.0019*	275 *900*	0,048 *0.0019*	275 *900*	— —	— —
P6	0,048 *0.0019*	305 *1000*	0,048 *0.0019*	305 *1000*	— —	— —
P7	0,048 *0.0019*	290 *950*	0,048 *0.0019*	290 *950*	— —	— —
P8	0,050 *0.0020*	275 *900*	0,050 *0.0020*	275 *900*	— —	— —
P11	0,048 *0.0019*	280 *920*	0,048 *0.0019*	280 *920*	— —	— —
P12	0,032 *0.0013*	165 *540*	0,032 *0.0013*	165 *540*	— —	— —
M1	0,055 *0.0022*	285 *940*	0,055 *0.0022*	285 *940*	— —	— —
M2	0,048 *0.0019*	230 *750*	0,048 *0.0019*	230 *750*	— —	— —
M3	0,038 *0.0015*	175 *570*	0,038 *0.0015*	175 *570*	— —	— —
M4	0,034 *0.0013*	130 *425*	0,034 *0.0013*	130 *425*	— —	— —
M5	0,034 *0.0013*	110 *360*	0,034 *0.0013*	110 *360*	— —	— —
K1	0,055 *0.0022*	300 *980*	0,055 *0.0022*	300 *980*	0,040 *0.0016*	270 *890*
K2	0,048 *0.0019*	260 *850*	0,048 *0.0019*	260 *850*	0,038 *0.0015*	235 *770*
K3	0,048 *0.0019*	220 *720*	0,048 *0.0019*	220 *720*	0,038 *0.0015*	200 *660*
K4	0,048 *0.0019*	210 *690*	0,048 *0.0019*	210 *690*	0,038 *0.0015*	190 *620*
K5	0,044 *0.0017*	125 *410*	0,044 *0.0017*	125 *410*	0,034 *0.0013*	115 *375*
K6	0,048 *0.0019*	185 *610*	0,048 *0.0019*	185 *610*	0,038 *0.0015*	170 *560*
K7	0,044 *0.0017*	160 *520*	0,044 *0.0017*	160 *520*	0,034 *0.0013*	145 *475*
N1	0,070 *0.0028*	1375 *4500*	0,070 *0.0028*	1375 *4500*	0,050 *0.0020*	1375 *4500*
N2	0,070 *0.0028*	890 *2925*	0,070 *0.0028*	890 *2925*	0,050 *0.0020*	890 *2925*
N3	0,070 *0.0028*	590 *1925*	0,070 *0.0028*	590 *1925*	0,050 *0.0020*	590 *1925*
N11	0,070 *0.0028*	780 *2550*	0,070 *0.0028*	780 *2550*	— —	— —

SMG = gruppo materiale Seco
f_z = mm/dente (mm/elica)
v_c= m/min (per frese -065AM, -079AM e -080AM applicare un fattore 0,75 su vc)
Tutti i parametri di taglio sono valori iniziali

Tutti gli avanzamenti sono relativi al centro dell'utensile e non alla sua periferia.

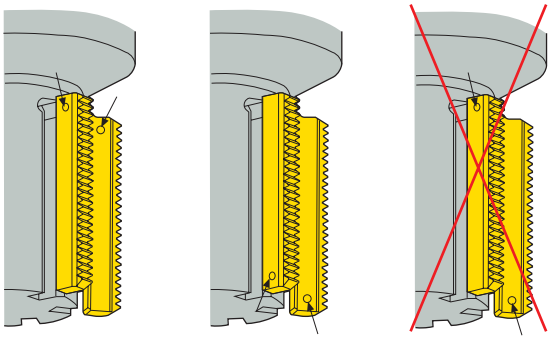
Avanzamento correlato al centro dell'utensile

Quando si calcola l'avanzamento e l'avanzamento al dente, partendo dallo spessore medio del truciolo, utilizzando l'interpolazione circolare o elicoidale, in un'operazione, l'avanzamento e l'avanzamento al dente sono sempre correlati al centro e non alla periferia dell'utensile.

Tolleranza del componente lavorato.

La tolleranza sul diametro di filettatura è 6H quando si utilizza un utensile con più di un dente. Con un singolo tagliente, la tolleranza è 4H. Se una fresa con più denti è utilizzata con un solo inserto, le altre sedi dell'inserto devono essere equipaggiate con inserti senza tagliente per stabilizzare la fresa durante il processo di taglio.

Poiché tutti gli inserti 396.19 sono bilaterali, è importante che siano montati nella stessa posizione per raggiungere la migliore tolleranza possibile. L'operazione deve essere eseguita sostituendo i punti di identificazione nella stessa posizione. Vedere la figura.

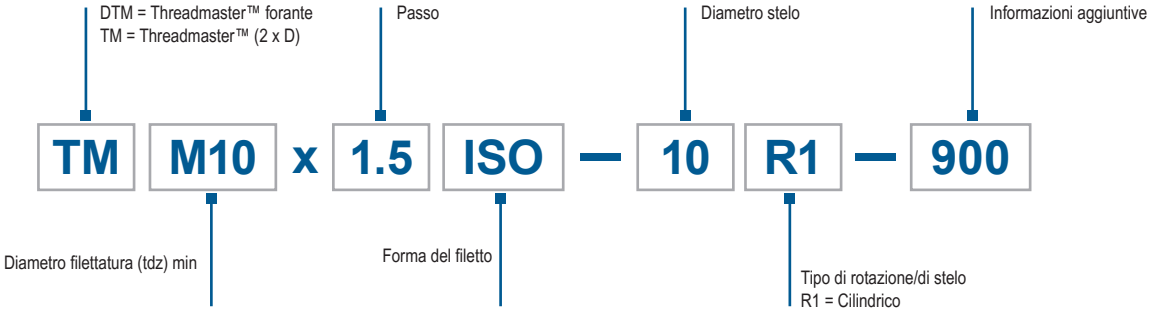


Velocità di taglio Filettatura di fresatura 335.14 In misure metriche *inch*

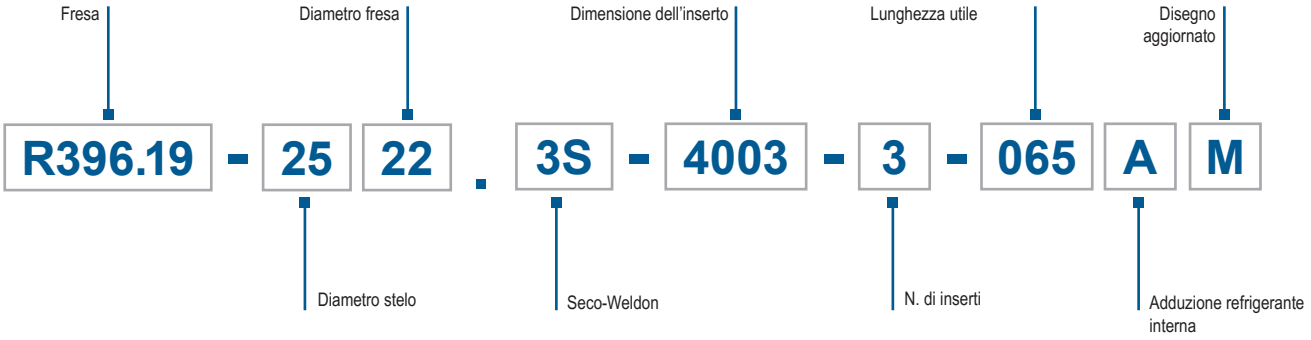
SMG	R335.14	
	f_z	v_c
P1	0,070 *0.0028*	275 *900*
P2	0,070 *0.0028*	270 *890*
P3	0,070 *0.0028*	230 *750*
P4	0,065 *0.0026*	205 *670*
P5	0,065 *0.0026*	195 *640*
P6	0,065 *0.0026*	215 *710*
P7	0,065 *0.0026*	205 *670*
P8	0,070 *0.0028*	195 *640*
P11	0,065 *0.0026*	200 *660*
P12	0,044 *0.0017*	120 *395*
M1	0,070 *0.0028*	215 *710*
M2	0,065 *0.0026*	175 *570*
M3	0,050 *0.0020*	130 *425*
M4	0,046 *0.0018*	100 *330*
M5	0,046 *0.0018*	80 *260*
K1	0,070 *0.0028*	210 *690*
K2	0,065 *0.0026*	185 *610*
K3	0,065 *0.0026*	180 *590*
K4	0,065 *0.0026*	150 *490*
K5	0,060 *0.0024*	90 *295*
K6	0,065 *0.0026*	130 *425*
K7	0,060 *0.0024*	115 *375*
N1	0,090 *0.0036*	970 *3175*
N2	0,090 *0.0036*	620 *2025*
N3	0,090 *0.0036*	415 *1350*
N11	0,090 *0.0036*	475 *1550*
S1	0,046 *0.0018*	50 *165*
S2	0,046 *0.0018*	41 *135*
S3	0,042 *0.0017*	35 *115*
S11	0,050 *0.0020*	65 *215*
S12	0,050 *0.0020*	50 *165*
S13	0,046 *0.0018*	39 *130*
H5	0,044 *0.0017*	43 *140*
H8	0,034 *0.0013*	45 *150*
H11	0,044 *0.0017*	60 *195*
H12	0,034 *0.0013*	55 *180*
H21	0,034 *0.0013*	45 *150*

Chiavi di codifica

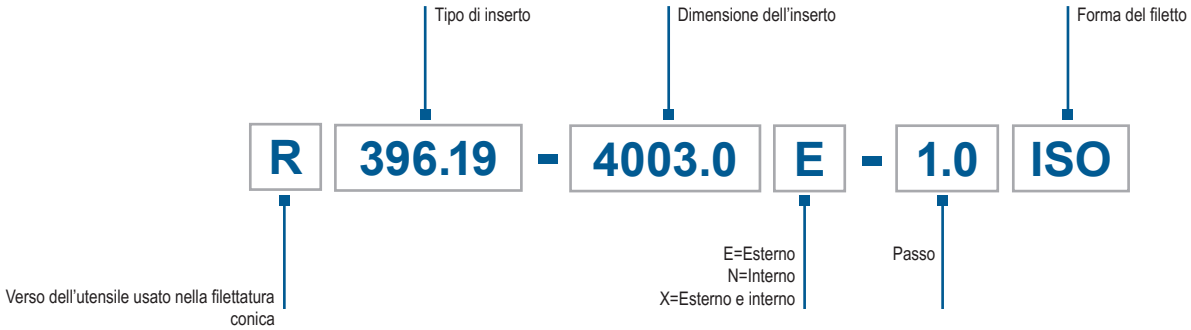
Threadmaster™



R396.18/19/20

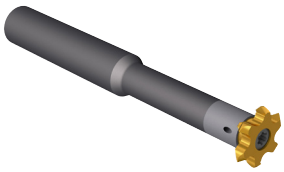


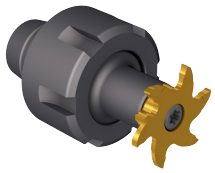
Inserto 396.19/20



Chiavi di codifica

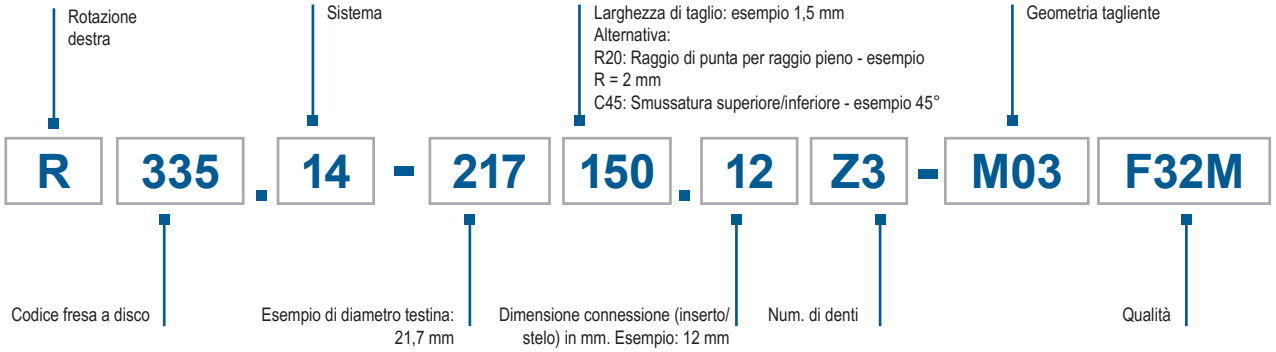
Fresa a disco 335.14



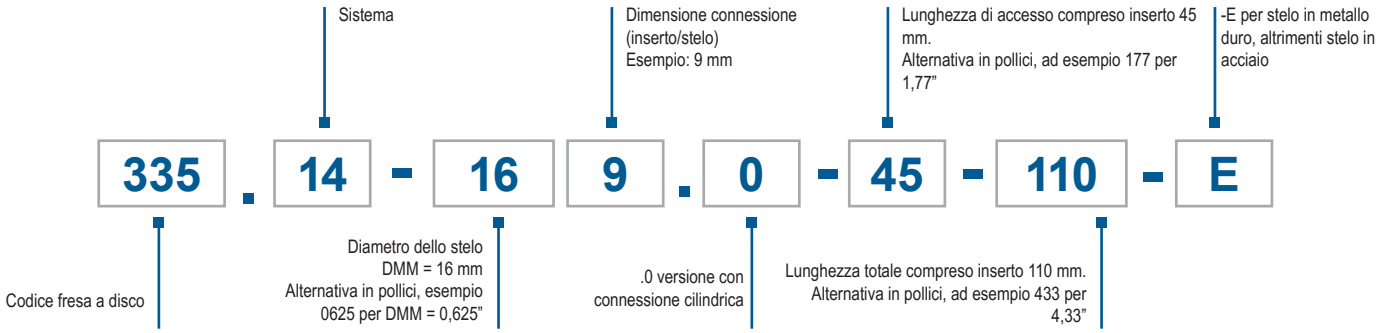


2 tipi di steli disponibili: cilindrico disponibile sia in acciaio che in metallo duro o sistema con porta pinze ER

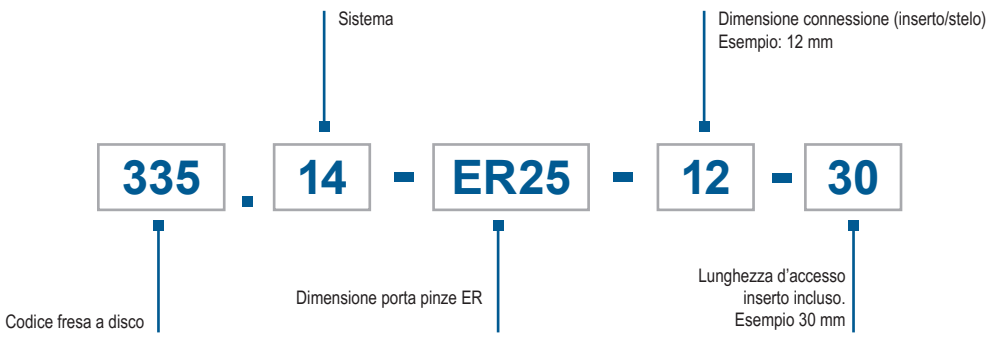
Mini disco



Stelo cilindrico



Porta pinze

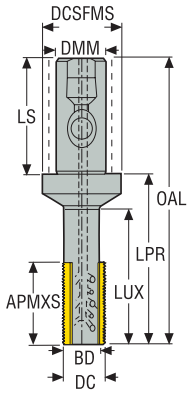


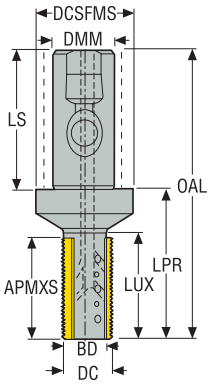
Frese ad inserti per filettatura

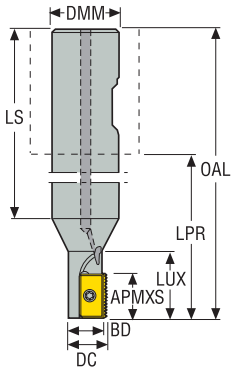
Le frese per filettatura Seco 396.18/19/20 sono utensili di processo versatili ed economicamente vantaggiosi per eseguire diversi tipi di filettatura su svariati componenti e materiali sulla stessa macchina. Le frese per filettatura con inserto sostituibile utilizzano un inserto multi-dente utilizzabile oltre Ø14 mm per filettature sia interne che esterne.

- Inserti disponibili con diversi profili di filettatura e passi
- Frese con inserto multi-dente per un'elevata produttività
- Tipi di stelo Arbor, Weldon e SecoWeldon

R396.18/R396.19







Angolo di taglio:
GAMO= -15°
GAMP= 0°
GAMF= -15°

- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 238-240
- Diametro filettatura min, vedere pagine 237
- Note: Type of mounting * = Weldon
- Note: Type of mounting ** = Seco-Weldon

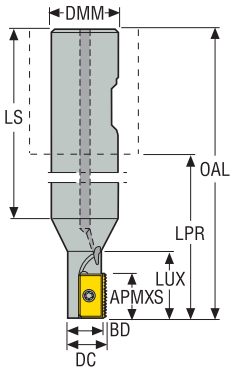
Codice di ordinazione	Codice prodotto	DC	DMM	OAL	APMXS	BD	DCSFMS	LPR	LUX	LS	Peso	NOF	RPMX	Nota	Inserto
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg				
R396.18-2012.3-13A	75036662	12,0	20,0	105,0	13,0	10,0	–	38,0	20,0	67,0	0,2	1	30000	*	–
R396.19-2517.3S-4003-2AM	02534461	17,0	25,0	116,0	25,0	13,0	40,0	60,0	26,0	56,0	0,5	2	22400	**	–
R396.19-2522.3S-4003-3AM	02514532	22,0	25,0	116,0	40,0	17,6	40,0	60,0	43,0	56,0	0,4	3	20000	**	–
R396.19-2522.3S-4003-3-065AM	02546918	22,0	25,0	140,0	40,0	17,6	40,0	84,0	65,0	56,0	0,5	3	20000	**	–
R396.19-2525.3S-4005-2AM	02544660	25,0	25,0	116,0	40,0	19,0	40,0	60,0	43,0	56,0	0,4	2	13600	**	–
R396.19-2530.3S-4005-3AM	02546916	30,0	25,0	116,0	40,0	23,0	40,0	60,0	43,0	56,0	0,5	3	12000	**	–
R396.19-2530.3S-4005-3-080AM	02544662	30,0	25,0	154,0	40,0	22,2	40,0	98,0	80,0	56,0	0,6	3	12000	**	–
R396.19-3232.3S-4003-6AM	02546915	32,0	32,0	120,0	40,0	27,4	50,0	60,0	43,0	60,0	0,7	6	16800	**	–
R396.19-3236.3S-4005-6AM	02546917	36,0	32,0	120,0	40,0	28,2	50,0	60,0	42,0	60,0	0,7	6	11200	**	–

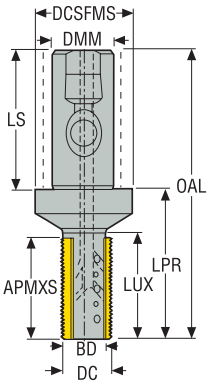
Parti di ricambio, comprese nella fornitura

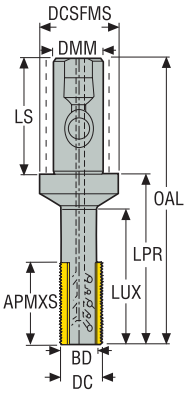
Per attacco	Vite di bloccaggio cartuccia	Chiave per vite inserto	Vite di bloccaggio inserto	Chiave (impugnatura a T)
R396.18	–	H4B-T07P	C02506-T07P	DOUBLE-T
R396.19	P6SS4X4-T09P	T09P-2	–	–

Nota! Quando si effettua un'operazione di fresatura su di un diametro inferiore a quello indicato per la combinazione passo/fresa,si ottiene una forma del filetto non corretta.
Nota! R396.19-2525.3S-4005-2AM Max passo utilizzabile: 4,5 ISO / 6 TPI.
* Chiavi dinamometriche: T00-07P09, T00-09P20.

R396.18/R396.19







- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 238-240
- Diametro filettatura min, vedere pagine 237
- Note: Type of mounting * = Weldon
- Note: Type of mounting ** = Seco-Weldon

Angolo di taglio:
GAMO= -15°
GAMP= 0°
GAMF= -15°

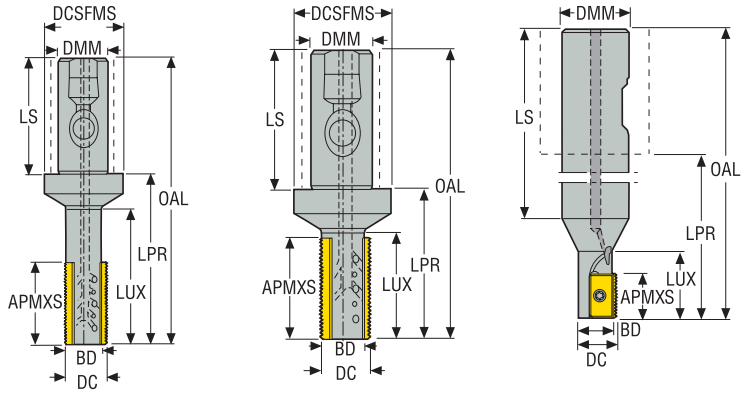
Codice di ordinazione	Codice prodotto	DC	DMM	OAL	APMXS	BD	DCSFMS	LPR	LUX	LS	Peso	NOF	RPMX	Nota	Inserto
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*Inch*	*lb*				
R396.18-00.39-3-13AT	00087568	0.390	0.750	4.140	0.510	0.310	–	–	0.530	3.610	0.440	1	30000	*	–
R396.18-00.50-3-13A	75054862	0.472	0.750	4.140	0.510	0.390	–	–	0.780	3.360	0.660	1	30000	*	–
R396.18-00.50-3-13AT	00074293	0.509	0.750	4.134	0.512	0.310	–	–	0.746	2.997	0.440	1	30000	*	–
R396.19-00.58-3S-1AM	02546957	0.591	1.000	4.803	1.102	0.450	1.575	2.362	1.024	2.441	1.100	1	22400	**	–
R396.19-00.67-3S-4003-2AM	02546937	0.669	1.000	4.547	0.984	0.512	1.575	2.362	1.024	2.185	1.100	2	22000	**	–
R396.19-00.87-3S-4003-3AM	02546938	0.866	1.000	4.547	1.575	0.709	1.575	2.362	1.693	2.185	1.100	3	20000	**	–
R396.19-00.87-3S-4003-LAM	02546950	0.866	1.000	5.512	1.575	0.709	1.575	3.307	2.559	2.185	1.100	3	20000	**	–
R396.19-01.00-3S-4005-2AM	02546944	0.984	1.000	4.547	1.575	0.748	1.575	2.362	1.693	2.185	1.100	2	13600	**	–
R396.19-01.18-3S-4005-3AM	02546946	1.181	1.000	4.547	1.575	0.906	1.575	2.362	1.693	2.185	1.100	3	12000	**	–
R396.19-01.18-3S-4005-LAM	02546954	1.181	1.000	6.043	1.575	0.906	1.575	3.858	3.150	2.185	1.320	3	12000	**	–
R396.19-01.25-3S-4003-6AM	02546941	1.260	1.250	4.547	1.575	1.102	1.969	2.362	1.654	2.343	1.540	6	16800	**	–
R396.19-01.42-3S-4005-6AM	02546947	1.417	1.250	4.705	1.575	1.142	1.969	2.362	1.654	2.343	1.540	6	11200	**	–

Parti di ricambio, comprese nella fornitura

Per attacco	Vite di bloccaggio cartuccia	Chiave per vite inserto	Vite di bloccaggio inserto	Chiave (impugnatura a T)	Vite
..18-00.39..	–	H4B-T07P	–	DOUBLE-T	C02505-T07P
..18-00.50..A	–	H4B-T07P	C02506-T07P	DOUBLE-T	–
..18-00.50..AT	–	H4B-T07P	C02505-T07P	DOUBLE-T	–
..19-00.58..–..19-01.42..	P6SS4X4-T09P	T09P-2	–	–	–

Nota! Quando si effettua un'operazione di fresatura su di un diametro inferiore a quello indicato per la combinazione passo/fresa,si ottiene una forma del filetto non corretta.
Nota! R396.19-2525.3S-4005-2AM Max passo utilizzabile: 4,5 ISO / 6 TPI.
* Chiavi dinamometriche: T00-07P09, T00-09P20.

R396.19



- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 238-240
- Diametro filettatura min, vedere pagine 237
- Note: Type of mounting ** = Seco-Weldon

Angolo di taglio:
GAMO= -15°
GAMP= 0°
GAMF= -15°

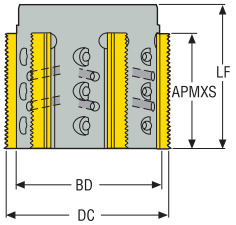
Codice di ordinazione	Codice prodotto	DC	DMM	OAL	APMXS	BD	DCSFMS	LPR	LUX	LS	Peso	NOF	RPMX	Nota	Inserto
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg				
R396.19-3232.3S-4003-3-079AM	02963138	32,0	32,0	156,0	40,0	27,4	50,0	96,0	79,57	60,0	0,9	3	20000	**	–
R396.19-3232.3S-4005-3-079AM	02963139	32,0	32,0	156,0	40,0	24,2	50,0	96,0	79,0	60,0	0,9	3	11200	**	–

Parti di ricambio, comprese nella fornitura

Per attacco	Vite di bloccaggio cartuccia	Chiave per vite inserto
R396.19	P6SS4X4-T09P	T09P-2

Nota! Quando si effettua un'operazione di fresatura su di un diametro inferiore a quello indicato per la combinazione passo/fresa,si ottiene una forma del filetto non corretta.
Nota! R396.19-2525.3S-4005-2AM Max passo utilizzabile: 4,5 ISO / 6 TPI.
* Chiavi dinamometriche: T00-07P09, T00-09P20.

R396.19

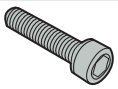


- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 238-240
- Diametro filettatura min, vedere pagine 237

Angolo di taglio:
GAMO= -15°
GAMP= 0°
GAMF= -15°

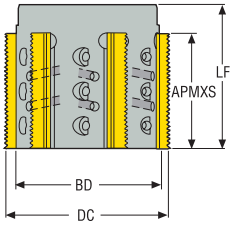
Codice di ordinazione	Codice prodotto	DC	APMXS	BD	LF	Peso	NOF	RPMX	Inserto
		mm	mm	mm	mm	kg			
R396.19-0058-4003-6AM	02546921	58,0	40,0	53,0	50,0	0,7	6	8600	–
R396.19-0058-4005-6AM	02546920	58,0	40,0	50,0	50,0	0,6	6	8600	–

Parti di ricambio, comprese nella fornitura

Per attacco	Vite attacco	Vite di bloccaggio cartuccia	Chiave per vite inserto
			
...6AM	MC6S12X40	P6SS4X4-T09P	T09P-2

***Coppia di serraggio 2 Nm**. Chiave dinamometrica, T00-09P20.

R396.19

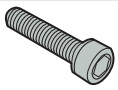


- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 238-240
- Diametro filettatura min, vedere pagine 237

Angolo di taglio:
GAMO= -15°
GAMP= 0°
GAMF= -15°

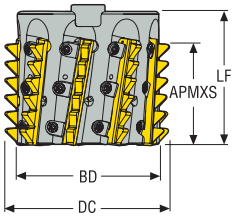
Codice di ordinazione	Codice prodotto	DC	APMXS	BD	LF	Peso	NOF	RPMX	Inserto
		Inch	*Inch*	*Inch*	*Inch*	*lb*			
R396.19-02.28-4003-6AM	02546955	2.283	1.575	2.087	1.969	1.760	6	8600	–
R396.19-02.28-4005-6AM	02546956	2.283	1.575	1.969	1.969	1.540	6	8600	–

Parti di ricambio, comprese nella fornitura

Per attacco	Vite attacco	Vite di bloccaggio cartuccia	Chiave per vite inserto
			
	UC6S1/2UNFX1-1/4	P6SS4X4-T09P	T09P-2

***Coppia di serraggio 2 Nm**. Chiave dinamometrica, T00-09P20.

R396.20

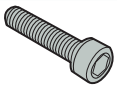
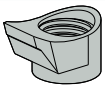
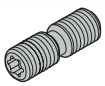


- Per i parametri di taglio, vedere le pagine 225
- Per le informazioni sugli inserti, vedere le pagine 241
- Diametro filettatura min, vedere pagine 237

Angolo di taglio:
GAMO= -15°
GAMP= -15°
GAMF= -15°

Codice di ordinazione	Codice prodotto	DC	APMXS	BD	LF	Peso	NOF	RPMX	Inserto
		Inch	*Inch*	*Inch*	*Inch*	*lb*			
R396.20-02.478-4005-9AW	03013869	2.478	1.575	2.106	1.992	1.320	9	8600	–

Parti di ricambio, comprese nella fornitura

Per attacco	Vite attacco	Chiave (impugnatura a T)	Chiave	Cuneo di bloccaggio	Vite cuneo
					
R396.20	UC6S1/2UNFX1-1/2	DOUBLE-T	H4B-T08P	CW0405M	LD4012-T08P

***Coppia di serraggio 2 Nm**. Chiave dinamometrica, T00-09P20.

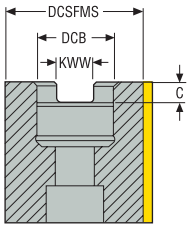
Diametro filettatura min (diametro maggiore), per diverse combinazioni di passo e fresa

R396.18/R396.19/R396.20

Per fresa	Passo mm TPI (filetti per pollice)										
	1 24	1,5 16	2 12	2,5 10	3 8	3,5 7	4 6	4,5	5 5	5,5	6 4
R396.18-2012.3-13A	14	15	16	–	–	–	–	–	–	–	–
R396.19-2517.3S-4003-2AM	19	20	21	22	24	–	–	–	–	–	–
R396.19-2522.3S-4003-3AM	24	25	26	27	27	–	–	–	–	–	–
R396.19-2522.3S-4003-3-065AM	24	25	26	27	27	–	–	–	–	–	–
R396.19-3232.3S-4003-6AM	34	35	36	39	40	–	–	–	–	–	–
R396.19-2525.3S-4005-2AM	–	–	–	–	30	33	35	37	–	–	–
R396.19-2530.3S-4005-3AM	–	–	–	–	38	40	42	44	45	47	48
R396.19-2530.3S-4005-3-080AM	–	–	–	–	38	40	42	44	45	47	48
R396.19-3236.3S-4005-6AM	–	–	–	–	43	45	47	47	48	50	53
R396.19-0058-4003-6AM	62	63	65	66	67	–	–	–	–	–	–
R396.19-0058-4005-6AM	–	–	–	–	67	69	70	71	72	73	74
R396.19-3232.3S-4003-3-079AM	34	35	36	39	40	–	–	–	–	–	–
R396.19-3232.3S-4005-3-079AM	–	–	–	–	39	41	43	45	46	48	49
R396.20-02.478-4005-9AW	–	–	–	–	80	–	84	–	–	–	89

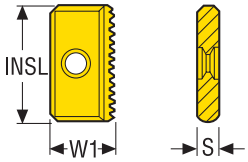
Nota! Quando si effettua un'operazione di fresatura su di un diametro inferiore a quello indicato per la combinazione passo/fresa,si ottiene una forma del filetto non corretta.

Dimensioni di montaggio



Per fresa	Codice prodotto	DCB	DCSFMS	KWW	C	Per portafresa
		mm	mm	mm	mm	
R396.19-0058-4003-6AM	02546921	27,0	53,0	12,4	7,0	27
R396.19-0058-4005-6AM	02546920	27,0	50,0	12,4	7,0	27
R396.20-02.478-4005-9AW	03013869	25,4	53,5	9,7	5,7	25,4

13NMS/XMS



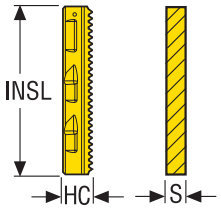
Tolleranze:
INSL = ± 0,012 mm
HC = ± 0,012 mm
S = ± 0.025 mm

Codice di ordinazione	Inserto	INSL	S	Qualità		
		mm *Inch*	mm *Inch*	CP500	F30M	H15
13NMS1.0ISO	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13NMS1.5ISO	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13NMS2.0ISO	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13NMS24UN	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13NMS20UN	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13NMS16UN	Per filettatura interna	13,0 *0.512*	2,5 *0.098*	■		
13XMS19W	Per filettatura esterna ed interna	13,0 *0.512*	2,5 *0.098*	■		
13XMS14W	Per filettatura esterna ed interna	13,0 *0.512*	2,5 *0.098*	■		

■ **Prodotto standard.**

396.19-4003

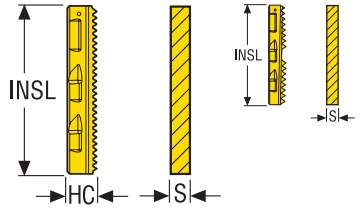
Tolleranze:
INSL = ± 0,007 mm
HC = ± 0,012 mm
S = ± 0,05 mm



Codice di ordinazione	Inserto	INSL	S	Qualità		
		mm *Inch*	mm *Inch*	CP500	F30M	H15
396.19-4003.0E1.0ISO	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E1.5ISO	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E2.0ISO	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E18UN	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E16UN	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E14UN	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0E12UN	Per filettatura esterna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N1.0ISO	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N1.5ISO	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N2.0ISO	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N2.5ISO	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N3.0ISO	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N20UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N18UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N16UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N14UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N12UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	■
396.19-4003.0N10UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N9UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0N8UN	Per filettatura interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0X16W	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0X14W	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0X12W	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003.0X11W	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	

■ **Prodotto standard.**

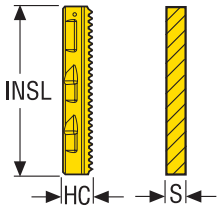
396.19-4003/4005



Codice di ordinazione	Inserto	INSL	S	Qualità		
		mm *Inch*	mm *Inch*	CP500	F30M	H15
396.19-4005.0N3.5ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N4.0ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N4.5ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N5.0ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N5.5ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N6.0ISO	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N7UN	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N6UN	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N5UN	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N4.5UN	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0N4UN	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	
396.19-4005.0X8W	Per filettatura esterna ed interna	40,0 *1.575*	4,85 *0.191*		■	
R396.19-4003.0X14NPT	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
R396.19-4003.0X11.5NPT	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
R396.19-4005.0X8NPT	Per filettatura esterna ed interna	40,0 *1.575*	4,85 *0.191*		■	
R396.19-4003.0X14NPTF	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
R396.19-4003.0X11.5NPTF	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
R396.19-4003.0X14BSPT	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
R396.19-4003.0X11BSPT	Per filettatura esterna ed interna	40,0 *1.575*	3,5 *0.138*		■	
396.19-4003XX	Falso inserto	40,0 *1.575*	3,5 *0.138*			■
396.19-4005XX	Falso inserto	40,0 *1.575*	4,85 *0.191*			■

■ **Prodotto standard.**

396.20-4005



Codice di ordinazione	Inserto	INSL	S	Qualità		
		mm *Inch*	mm *Inch*	CP500	F30M	H15
396.20-4005.0N3ACME	Per filettatura interna	40,0 *1.575*	4,9 *0.193*		■	
396.20-4005.0N4ACME	Per filettatura interna	40,0 *1.575*	4,9 *0.193*		■	
396.20-4005.0N8ACME	Per filettatura interna	40,0 *1.575*	4,9 *0.193*		■	
396.20-4005.0N4BUT	Per filettatura interna	40,0 *1.575*	4,85 *0.191*		■	

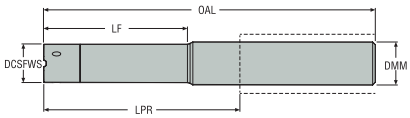
■ **Prodotto standard.**

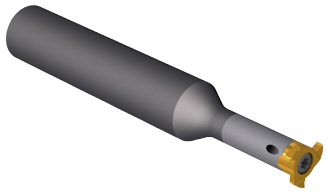
Steli per frese per filettatura

Filettature di precisione nei fori profondi fino a 106 mm con le nuove testine intercambiabili Seco per filettatura della gamma 335.14 monofila ed i nuovi steli corrispondenti. È possibile aumentare la velocità e la versatilità del processo poiché ciascuna testina esegue operazioni di smussatura e filettatura. Inoltre, l'esecuzione di due operazioni con lo stesso utensile contribuisce a ridurre le scorte di attrezzature necessarie.

- Tipi di stelo sia in metallo duro che in acciaio
- Possibilità di adduzione interna di refrigerante
- Oltre 31 diverse testine di taglio con rivestimento in metallo duro

335.14 Codolo - Versione cilindrica





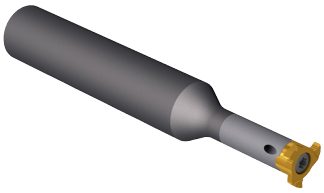
- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213
- -E = Codolo in metallo duro con tolleranza DMM = h6
- Codolo in acciaio: Tolleranza DMM = g6
- Max num. di giri = 30.000 giri/min

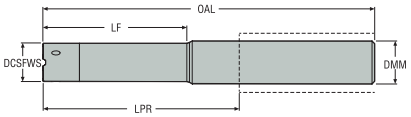
Codice di ordinazione	Codice prodotto	DCSFWS	DMM	LF	OAL	LPR	Peso	Refrige-razione interna	Inserto
		mm	mm	mm	mm	mm	kg		
335.14-1006.0-015-060	03042024	6,0	10,0	11,5	56,5	16,5	0,1	–	R335.14...06Z..
335.14-1206.0-021-080-E	03042025	6,0	12,0	17,5	76,5	31,5	0,1	✓	R335.14...06Z..
335.14-1206.0-030-090-E	03042026	6,0	12,0	26,5	86,5	41,5	0,2	✓	R335.14...06Z..
335.14-1206.0-042-100-E	03042027	6,0	12,0	38,5	96,5	51,5	0,2	✓	R335.14...06Z..
335.14-1008.0-017-060	03042040	8,0	10,0	12,5	55,5	15,5	0,1	–	R335.14...08Z..
335.14-1208.0-029-095-E	03042041	8,0	12,0	24,5	90,5	45,5	0,2	✓	R335.14...08Z..
335.14-1208.0-042-110-E	03042042	8,0	12,0	37,5	105,5	60,5	0,2	✓	R335.14...08Z..
335.14-1208.0-056-120-E	03042043	8,0	12,0	51,5	115,5	70,5	0,2	✓	R335.14...08Z..
335.14-1609.0-018-080	03042028	9,0	16,0	12,2	74,2	26,2	0,1	✓	R335.14...09Z..
335.14-1609.0-032-100-E	03042029	9,0	16,0	26,2	94,2	46,2	0,3	✓	R335.14...09Z..
335.14-1609.0-045-110-E	03042030	9,0	16,0	39,2	104,2	56,2	0,2	✓	R335.14...09Z..
335.14-1609.0-064-130-E	03042031	9,0	16,0	58,2	124,2	76,2	0,3	✓	R335.14...09Z..
335.14-1612.0-024-080	03042032	12,0	16,0	18,3	74,3	26,3	0,1	✓	R335.14...12Z..
335.14-1612.0-042-100-E	03042033	12,0	16,0	36,3	94,3	46,3	0,2	✓	R335.14...12Z..
335.14-1612.0-060-130-E	03042034	12,0	16,0	54,3	124,3	76,3	0,3	✓	R335.14...12Z..
335.14-1612.0-085-160-E	03042035	12,0	16,0	76,3	154,3	106,3	0,4	✓	R335.14...12Z..
335.14-1614.0-042-100-E	03042036	14,3	16,0	35,5	93,5	45,5	0,3	✓	R335.14...14Z..
335.14-1614.0-060-130-E	03042037	14,3	16,0	53,5	123,5	75,5	0,3	✓	R335.14...14Z..
335.14-1614.0-085-160-E	03042038	14,3	16,0	78,5	153,5	105,5	0,4	✓	R335.14...14Z..
335.14-2014.0-036-100	03042039	14,0	20,0	29,2	93,5	43,5	0,3	✓	R335.14...14Z..

Parti di ricambio, comprese nella fornitura

Per fresa	Chiave per vite inserto	Vite di bloccaggio inserto	Chiave (impu-gnatura a T)
335.14-..06	H4B-T08P	C92608-T08P	DOUBLE-T
335.14-..08	H4B-T10P	C93510-T10P	DOUBLE-T
335.14-..09	H4B-T15P	C94012-T15P	DOUBLE-T
335.14-..12/14	H6B-T20P	C95012-T20P	DOUBLE-T

335.14 Codolo - Versione cilindrica

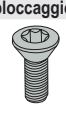




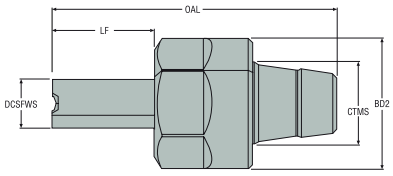
- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213
- -E = Codolo in metallo duro con tolleranza DMM = h6
- Codolo in acciaio: Tolleranza DMM = g6
- Max RPM = 30 000 rev/min

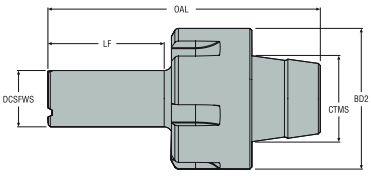
Codice di ordinazione	Codice prodotto	DCSFMS	DMM	LF	OAL	LPR	Peso	Refrige-razione interna	Inserto
		Inch	*Inch*	*Inch*	*Inch*	*Inch*	*lb*		
335.14-050006.0-083-315-E	03042121	0.236	0.500	0.689	3.012	1.240	0.220	✓	R334.14...06Z..
335.14-050006.0-118-354-E	03042122	0.236	0.500	1.043	3.406	1.634	0.440	✓	R334.14...06Z..
335.14-050006.0-165-394-E	03042107	0.236	0.500	1.516	3.799	2.028	0.440	✓	R334.14...06Z..
335.14-050008.0-114-374-E	03042123	0.315	0.500	0.965	3.563	1.791	0.440	✓	R334.14...08Z..
335.14-050008.0-165-433-E	03042124	0.315	0.500	1.476	4.154	2.382	0.440	✓	R334.14...08Z..
335.14-050008.0-220-472-E	03042119	0.315	0.500	2.028	4.547	2.776	0.440	✓	R334.14...08Z..
335.14-062509.0-071-315	03042108	0.354	0.625	0.480	2.921	1.031	0.220	✓	R334.14...09Z..
335.14-062509.0-126-394-E	03042109	0.354	0.625	1.031	3.709	1.819	0.440	✓	R334.14...09Z..
335.14-062509.0-177-433-E	03042110	0.354	0.625	1.543	4.102	2.213	0.440	✓	R334.14...09Z..
335.14-062509.0-252-512-E	03042111	0.354	0.625	2.291	4.890	3.000	0.660	✓	R334.14...09Z..
335.14-062512.0-094-315	03042112	0.472	0.625	0.720	2.925	1.035	0.220	✓	R334.14...12Z..
335.14-062512.0-165-394-E	03042113	0.472	0.625	1.429	3.713	1.823	0.440	✓	R334.14...12Z..
335.14-062512.0-236-512-E	03042114	0.472	0.625	2.138	4.894	3.004	0.660	✓	R334.14...12Z..
335.14-062512.0-335-630-E	03042115	0.472	0.625	3.122	6.075	4.185	0.660	✓	R334.14...12Z..
335.14-062514.0-165-394-E	03042116	0.551	0.625	1.398	3.681	1.791	0.440	✓	R334.14...14Z..
335.14-062514.0-236-512-E	03042117	0.551	0.625	2.106	4.862	2.972	0.880	✓	R334.14...14Z..
335.14-062514.0-335-630-E	03042118	0.551	0.625	3.091	6.043	4.154	0.880	✓	R334.14...14Z..

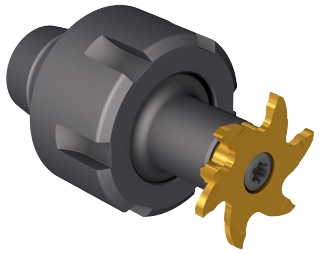
Parti di ricambio, comprese nella fornitura

Per fresa	Chiave per vite inserto	Vite di bloccaggio inserto	Chiave (impu-gnatura a T)
			
335.14-..06	H4B-T08P	C92608-T08P	DOUBLE-T
335.14-..08	H4B-T10P	C93510-T10P	DOUBLE-T
335.14-..09	H4B-T15P	C94012-T15P	DOUBLE-T
335.14-..12/14	H6B-T20P	C95012-T20P	DOUBLE-T

335.14 Codolo con pinza ER







- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213

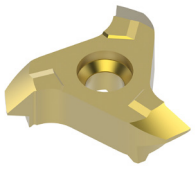
Codice di ordinazione	Codice prodotto	DCSFWS	BD2	LF	OAL	CTMS	Peso	Refrige-razione interna	Inserto
		mm	mm	mm	mm	mm	kg		
335.14-ER11-06-016	03042072	6,0	16,0	12,5	34,9	ER 11	0,1	–	R335.14...06Z..
335.14-ER11-08-016	03042085	8,0	16,0	11,5	33,8	ER 11	0,1	–	R335.14...08Z..
335.14-ER16-08-022	03042086	8,0	32,0	17,5	49,6	ER 16	0,2	–	R335.14...08Z..
335.14-ER11-09-022	03042073	9,0	16,0	16,2	38,5	ER 11	0,1	–	R335.14...09Z..
335.14-ER16-09-022	03042074	9,0	32,0	16,2	48,3	ER 16	0,2	–	R335.14...09Z..
335.14-ER25-09-022	03042075	9,0	35,0	16,2	55,3	ER 25	0,2	–	R335.14...09Z..
335.14-ER16-12-030	03042076	12,0	32,0	24,3	56,4	ER 16	0,2	–	R335.14...12Z..
335.14-ER25-12-030	03042078	12,0	35,0	24,3	63,4	ER 25	0,2	–	R335.14...12Z..
335.14-ER32-12-030	03042079	12,0	50,0	24,3	69,4	ER 32	0,4	–	R335.14...12Z..
335.14-ER25-14-019	03042080	14,0	35,0	12,5	52,3	ER 25	0,2	–	R335.14...14Z..
335.14-ER25-14-035	03042081	14,0	35,0	28,5	67,6	ER 25	0,2	–	R335.14...14Z..
335.14-ER32-14-019	03042082	14,0	50,0	12,5	58,3	ER 32	0,5	–	R335.14...14Z..
335.14-ER32-14-035	03042083	14,0	50,0	28,5	73,6	ER 32	0,4	–	R335.14...14Z..

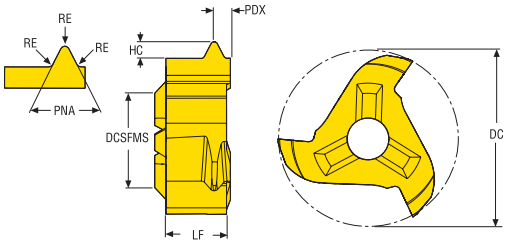
Parti di ricambio, comprese nella fornitura

Per fresa	Chiave per vite inserto	Vite di bloccaggio inserto	Chiave (impu-gnatura a T)
335.14-ER..-06	H4B-T08P	C92608-T08P	DOUBLE-T
335.14-ER..-08	H4B-T10P	C93510-T10P	DOUBLE-T
335.14-ER..-09	H4B-T15P	C94012-T15P	DOUBLE-T
335.14-ER..-12/14	H6B-T20P	C95012-T20P	DOUBLE-T

335.14 Inserti

Profilo filettatura Whitworth - Metrica





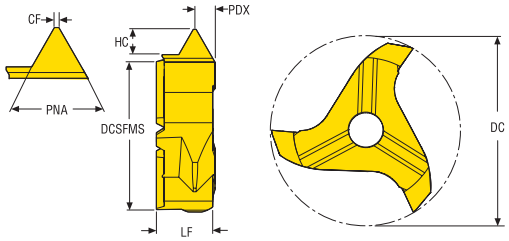
- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213

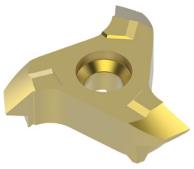
Codice di ordinazione	Passo		DC	RE	DCSFMS	HC	LF	PDX	PNA	ZEFP	Qualità
											Rivestite
	mm	*TPIX*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		F32M
R335.14-117WXF11.06Z3	–	*11*	11,7 *0.461*	0,31 *0.012*	6,0 *0.236*	1,48 *0.058*	3,6 *0.142*	1,6 *0.063*	55,0 *2.165*	3	■
R335.14-117WXF14.06Z3	–	*14*	11,7 *0.461*	0,24 *0.009*	6,0 *0.236*	1,16 *0.046*	3,6 *0.142*	1,3 *0.051*	55,0 *2.165*	3	■
R335.14-117WXF19.06Z3	–	*19*	11,7 *0.461*	0,18 *0.007*	6,0 *0.236*	0,86 *0.034*	3,6 *0.142*	1,1 *0.043*	55,0 *2.165*	3	■
R335.14-157WXF14.08Z3	–	*14*	15,7 *0.618*	0,24 *0.009*	8,0 *0.315*	1,17 *0.046*	4,6 *0.181*	1,5 *0.059*	55,0 *2.165*	3	■
R335.14-177WXF11.09Z3	–	*11*	17,7 *0.697*	0,31 *0.012*	9,0 *0.354*	1,48 *0.058*	5,85 *0.230*	1,45 *0.057*	55,0 *2.165*	3	■
R335.14-177WXF14.09Z3	–	*14*	17,7 *0.697*	0,24 *0.009*	9,0 *0.354*	1,16 *0.046*	5,85 *0.230*	1,25 *0.049*	55,0 *2.165*	3	■
R335.14-177WXF19.09Z3	–	*19*	17,7 *0.697*	0,18 *0.007*	9,0 *0.354*	0,856 *0.034*	5,85 *0.230*	0,95 *0.037*	55,0 *2.165*	3	■

■ **Prodotto standard.**

335.14 Inserti

Profilo filettatura metrica parziale





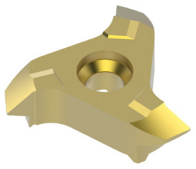
- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213

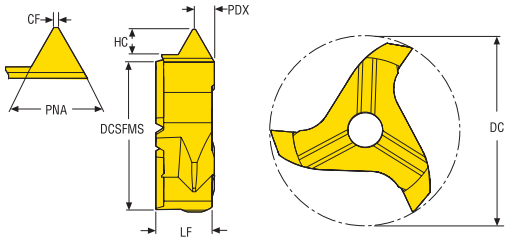
Codice di ordinazione	Passo		DC	CF	DCSFMS	HC	LF	PDX	PNA	ZEFP	Qualità
											Rivestite
	mm	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		F32M
R335.14-117MNP100200.06Z3	1,0-2,0	0.039-0.079	11,7 *0.461*	0.13 *0.005*	6,0 *0.236*	1,25 *0.049*	3,6 *0.142*	0,8 *0.031*	60,0 *2.362*	3	■
R335.14-117MNP200300.06Z3	2,0-3,0	0.079-0.118	11,7 *0.461*	0.25 *0.010*	6,0 *0.236*	1,78 *0.070*	3,6 *0.142*	1,2 *0.047*	60,0 *2.362*	3	■
R335.14-157MNP150275.08Z3	1,5-2,75	0.059-0.108	15,7 *0.618*	0.19 *0.007*	8,0 *0.315*	1,67 *0.066*	4,6 *0.181*	1,1 *0.043*	60,0 *2.362*	3	■
R335.14-157MNP250300.08Z3	2,5-3,0	0.098-0.118	15,7 *0.618*	0.31 *0.012*	8,0 *0.315*	1,78 *0.070*	4,6 *0.181*	1,2 *0.047*	60,0 *2.362*	3	■
R335.14-177MNP100200.09Z3	1,0-2,0	0.039-0.079	17,7 *0.697*	0.12 *0.005*	9,0 *0.354*	1,19 *0.047*	5,85 *0.230*	1,15 *0.045*	60,0 *2.362*	3	■
R335.14-177MNP150275.09Z3	1,5-2,75	0.059-0.108	17,7 *0.697*	0.19 *0.007*	9,0 *0.354*	1,62 *0.064*	5,85 *0.230*	1,25 *0.049*	60,0 *2.362*	3	■
R335.14-177MNP200375.09Z3	2,0-3,75	0.079-0.148	17,7 *0.697*	0.25 *0.010*	9,0 *0.354*	2,22 *0.087*	5,85 *0.230*	1,65 *0.065*	60,0 *2.362*	3	■
R335.14-177MNP300550.09Z3	3,0-5,5	0.118-0.217	17,7 *0.697*	0.38 *0.015*	9,0 *0.354*	3,25 *0.128*	5,85 *0.230*	2,25 *0.089*	60,0 *2.362*	3	■
R335.14-217MNP100200.12Z3	1,0-2,0	0.039-0.079	21,7 *0.854*	0.12 *0.005*	12,0 *0.472*	1,19 *0.047*	5,85 *0.230*	1,25 *0.049*	60,0 *2.362*	3	■
R335.14-217MNP200375.12Z3	2,0-3,75	0.079-0.148	21,7 *0.854*	0.25 *0.010*	12,0 *0.472*	2,22 *0.087*	5,85 *0.230*	1,65 *0.065*	60,0 *2.362*	3	■
R335.14-217MNP250450.12Z3	2,5-4,5	0.098-0.177	21,7 *0.854*	0.25 *0.010*	12,0 *0.472*	2,7 *0.106*	5,85 *0.230*	2,15 *0.085*	60,0 *2.362*	3	■
R335.14-217MNP350600.12Z3	3,5-6,0	0.138-0.236	21,7 *0.854*	0.44 *0.017*	12,0 *0.472*	3,84 *0.151*	5,85 *0.230*	2,65 *0.104*	60,0 *2.362*	3	■
R335.14-277MNP250500.14Z3	2,5-5,0	0.098-0.197	27,7 *1.091*	0.37 *0.015*	14,0 *0.551*	2,93 *0.115*	6,6 *0.260*	2,6 *0.102*	60,0 *2.362*	3	■
R335.14-277MNP400600.14Z3	4,0-6,0	0.157-0.236	27,7 *1.091*	0.5 *0.020*	14,0 *0.551*	4,6 *0.181*	6,6 *0.260*	3,0 *0.118*	60,0 *2.362*	3	■

■ **Prodotto standard.**

335.14 Inserti

Profilo filettatura UN - Metrica





- Per i parametri di taglio, vedere le pagine 227
- Informazioni tecniche, vedere pagina 213

Codice di ordinazione	Passo		DC	CF	DCSFMS	HC	LF	PDX	PNA	ZEFP	Qualità
											Rivestite
	mm	*TPIX*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		F32M
R335.14-177UNNF10.09Z3	–	*10*	17,7 *0.697*	0,32 *0.013*	9,0 *0.354*	1,375 *0.054*	5,85 *0.230*	1,25 *0.049*	60,0 *2.362*	3	■
R335.14-177UNNF11.09Z3	–	*11*	17,7 *0.697*	0,29 *0.011*	9,0 *0.354*	1,249 *0.049*	5,85 *0.230*	1,05 *0.041*	60,0 *2.362*	3	■
R335.14-177UNNF12.09Z3	–	*12*	17,7 *0.697*	0,27 *0.011*	9,0 *0.354*	1,146 *0.045*	5,85 *0.230*	1,05 *0.041*	60,0 *2.362*	3	■
R335.14-177UNNF14.09Z3	–	*14*	17,7 *0.697*	0,23 *0.009*	9,0 *0.354*	0,982 *0.039*	5,85 *0.230*	0,85 *0.033*	60,0 *2.362*	3	■
R335.14-177UNNF16.09Z3	–	*16*	17,7 *0.697*	0,2 *0.008*	9,0 *0.354*	0,859 *0.034*	5,85 *0.230*	0,85 *0.033*	60,0 *2.362*	3	■
R335.14-177UNNF18.09Z3	–	*18*	17,7 *0.697*	0,18 *0.007*	9,0 *0.354*	0,763 *0.030*	5,85 *0.230*	0,85 *0.033*	60,0 *2.362*	3	■
R335.14-177UNNF20.09Z3	–	*20*	17,7 *0.697*	0,16 *0.006*	9,0 *0.354*	0,687 *0.027*	5,85 *0.230*	0,65 *0.026*	60,0 *2.362*	3	■
R335.14-177UNNF24.09Z3	–	*24*	17,7 *0.697*	0,13 *0.005*	9,0 *0.354*	0,572 *0.023*	5,85 *0.230*	0,65 *0.026*	60,0 *2.362*	3	■
R335.14-177UNNF6.09Z3	–	*6*	17,7 *0.697*	0,53 *0.021*	9,0 *0.354*	2,291 *0.090*	5,85 *0.230*	1,65 *0.065*	60,0 *2.362*	3	■
R335.14-177UNNF8.09Z3	–	*8*	17,7 *0.697*	0,4 *0.016*	9,0 *0.354*	1,718 *0.068*	5,85 *0.230*	1,45 *0.057*	60,0 *2.362*	3	■

■ **Prodotto standard.**

Maschi Threadmaster™

Progettato per ogni tipo di applicazione, il nuovo maschio Threadmaster in acciaio rapido realizza fori in modo efficace e su un'ampia gamma di pezzi e materiali. L'utensile è caratterizzato da una tecnologia di rivestimento all'avanguardia che consente di ottenere parametri di taglio superiori e maggiori rese su acciai fino a 350 HB, acciai inossidabili e ghise rispetto alle soluzioni senza rivestimento disponibili in genere per questo settore.

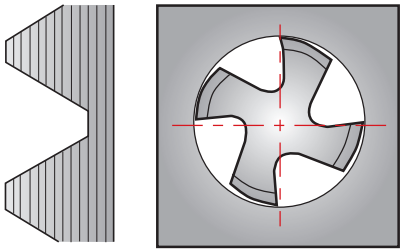
- Con vani truciolo elicoidali per fori ciechi e angolo di imbocco corretto per fori passanti.
- Vani truciolo dritti per materiali a truciolo corto
- Rivestimenti innovativi per una maschiatura più rapida

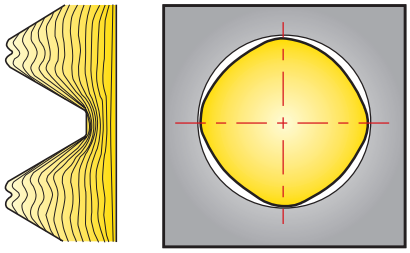
Introduzione ai maschi per filettature

Cosa si richiede nella filettatura?

Maschiatura a tagliare o maschiatura a rullare

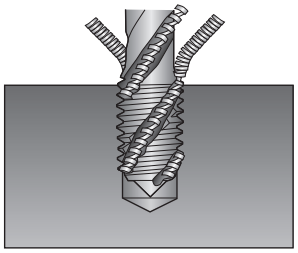
Ci sono due modi per realizzare una filettatura: maschiatura a tagliare e maschiatura a rullare. I maschi a tagliare sono adatti alla maggior parte dei materiali, mentre i maschi a rullare sono da usarsi su acciaio, acciaio inossidabile e alluminio.

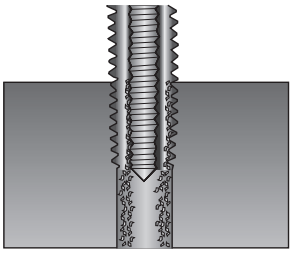




Foro passante, foro cieco

I maschi hanno diversi disegni. A seconda dell'applicazione (foro passante o cieco).



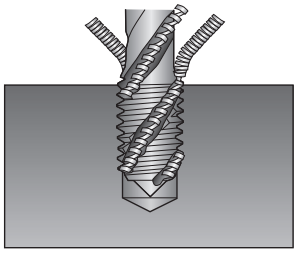


Diametro del foro

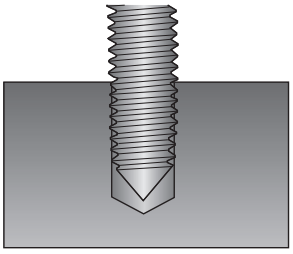
Il diametro del foro differisce tra maschiatura a tagliare e maschiatura a rullare.

D = Diametro foro
TD = Diametro nominale della filettatura
PTH = Passo della filettatura

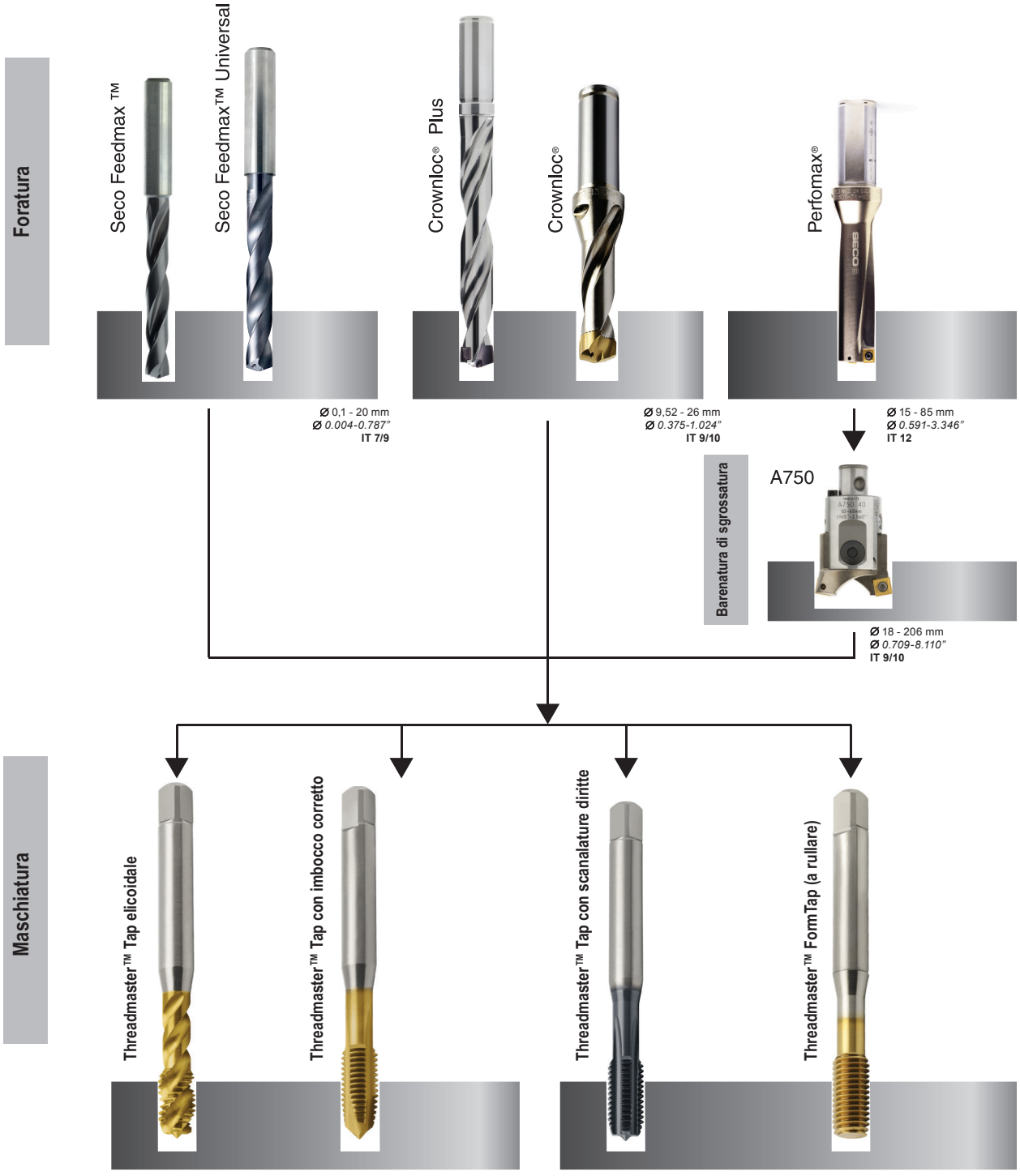
Maschio a tagliare
D = TD-PTH



Maschio a rullare
D = TD-PTH/2
($D = D_{nom} - 0{,}0068 \times PTH \times 65$)



Introduzione ai maschi - Guida all'utensile



Maschi – Scelta della tolleranza del maschio

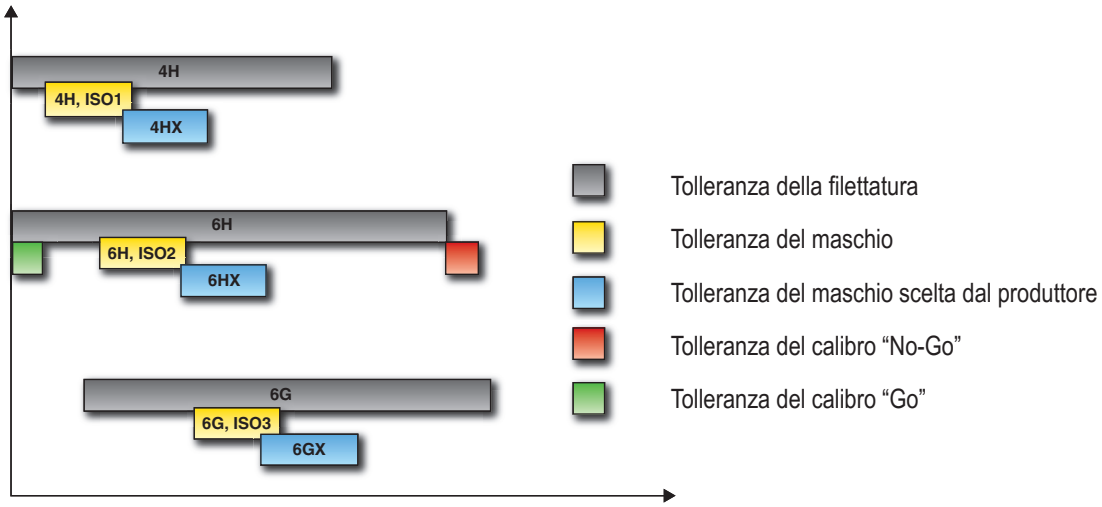
I maschi per filettature Threadmaster™ di Seco sono disponibili per filettature con diverse tolleranze 6H e 6G, nonché per 6HX e 6GX.

La tolleranza normale è la H.

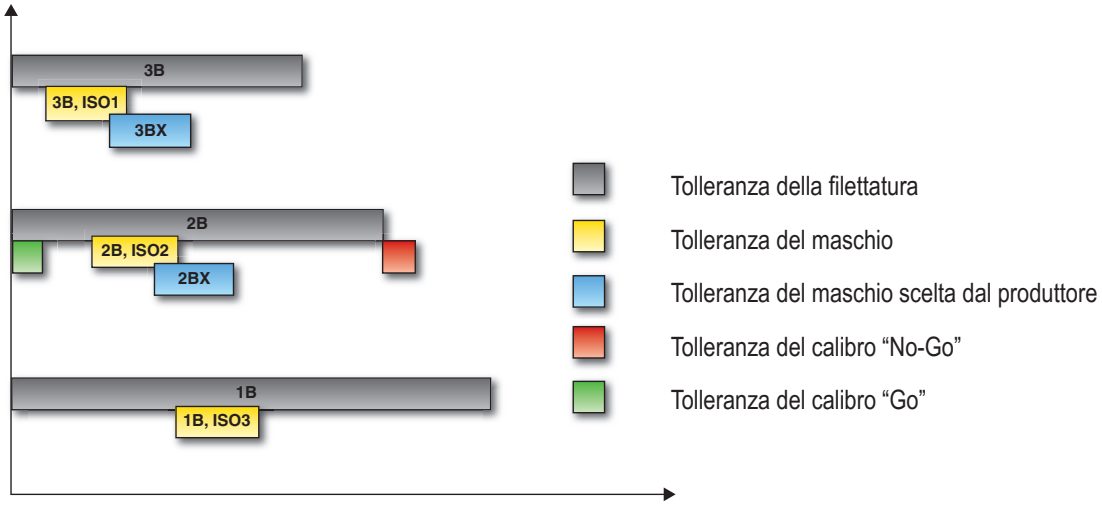
Si possono impiegare maschi per tolleranza GX/HX e BX quando il rischio di produrre filetti sovradimensionati è limitato; in questo caso la durata è maggiore.

I maschi per filettature UNC/UNF sono costruiti per tolleranza 2B.

La classe di tolleranza per G e NPT/NPTF è normale.



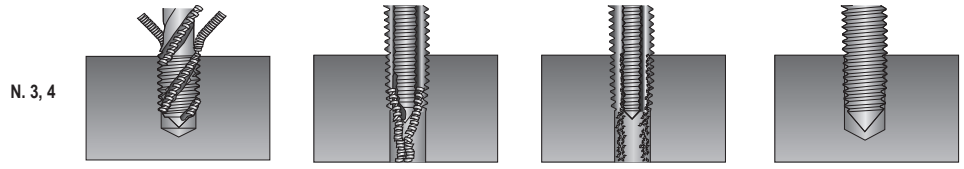
Filettature metriche



Filettature UN

Chiave di codifica - T34, T33 e T32

T34	A	-	R	45	H	01	C	03	-	6	X	1	-	65	R
1	2		3	4	5	6	7	8		9		10		11	12



R40/R45
Fori ciechi
ULDR = 2,5

P
Fori passanti
ULDR = 3

S
Fori ciechi e fori passanti
ULDR = 1,5

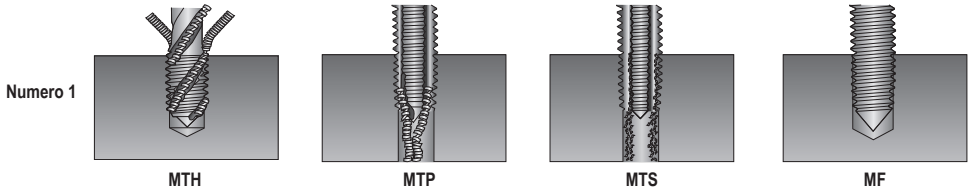
F/ FS - Maschi a rollare
Fori ciechi e fori passanti
ULDR = 3

ULDR = rapporto lunghezza utile/diametro

	Descrizione			
1	**Famiglia**	T34 – maschi versatili ad alte prestazioni T33 – maschi a rollare T32 – maschi versatili		
2	**Adduzione refrigerante interna**	[Vuoto] – senza refrigerante A – Assiale B – Radiale		
3	**Disegno**	P – Punta elicoidale S – Eliche dritte R – Eliche a spirale destrorse	L – Elica sinistrorsa F – Maschio a rollare FS – Maschio a rollare con scanalature per olio	
4	**Angolo dell'elica**	40 45	Utilizzato per versioni R e L	
5	**Rivestimento**	C – TiN + TiCN H – TiAlN + WC/C N – TiAlN + TiN		
6	**Tipo di filettatura**	01 – M 02 – MF 04 – EGM - maschi per filettature Helicoil/STI 08 – UNC	09 – UNF 16 – EGUNC - maschi per filettature Helicoil/STI 17 – EGUNF - maschi per filettature Helicoil/STI 21 – G	
7	**Tipo di smusso**	B = smusso del tagliente 3,5-5 filetti C = smusso del tagliente 2-3 filetti E = smusso del tagliente 1,5-2 filetti		
8	**Standard**	03 – DIN371 - con attacco rinforzato 04 – DIN371/EL - extra lungo con attacco rinforzato 05 – DIN374 - attacco ridotto (per filetti metrici)	06 – DIN376 - attacco ridotto (per filetti larghi) 07 – DIN376/EL - extra lungo con attacco ridotto 09 – DIN5156 - attacco ridotto (per filetti dei tubi)	
9	**Dimensione filetto di connessione**			
10	**Passo**			
11	**Tolleranza**	Filettature M: 41 – 4H 61 – 6G 62 – 6GX 63 – 6H 64 – 6H mod (for EG M) 65 – 6HX	Per filettature UNC e UNF 21 – 2B 22 – 2BX	Per filettature G: 11 – Normale 12 – Normale X
12	**Mano**	R - Destra L - Sinistra		

Chiave di codifica – Maschi MTH, MTS, MF e MTP

MTS	-	M10	X	1.5ISO	6H	-	B	C	-	V	0	01	-	A
1		2		3	4		5	6		7	8	9		10

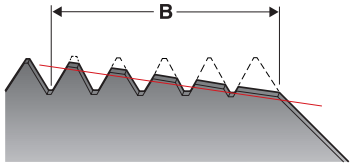


	Descrizione
1	MTH = Threadmaster™ Tap elicoidale MTP = Threadmaster™ Tap con imbocco corretto MTS = Threadmaster™ Tap con scanalature diritte MF = Threadmaster™ FormTap (a rullare)
2	Tipo e dimensione filettatura
3	Passo e forma della filettatura
4	Tolleranza (tctr) 4H, 6H, 6HX, 6G, 6GX metrica e 2B, 2BX, 3B, 3BX, normale, NormalX pollici
5	Operazione B = Foro cieco T = Foro passante X = Foro cieco e foro passante
6	Imbocco (THCHT) B = Imbocco 3,5-5 filetti C = Imbocco 2-3 filetti E = Imbocco 1,5-2 filetti
7	V = Versatile P = Acciaio M = Acciaio inossidabile K = Ghisa N = Metalli non ferrosi S = Superleghe e titanio
8	N. rilascio = 0 (2014)
9	Tipo utensile n. = 01, 02, 03, 04 ecc.
10	A = Adduzione refrigerante interna

Maschi – Imbocco TCHT

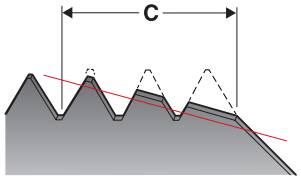
Tipo B

Lunghezza 3,5 – 5 eliche
Coppia elevata
Migliore finitura superficiale
Spessore del truciolo sottile
Bassa pressione all'imbocco
Durata utensile elevata
Tipologia più comune per fori passanti (con imbocco corretto)



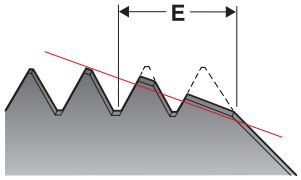
Tipo C

Lunghezza 2 - 3 eliche
Coppia media
Buona finitura superficiale
Spessore del truciolo medio
Pressione media all'imbocco
Durata utensile media
Design più comune
Standard per fori ciechi
Tipologia più comune per fori ciechi (elicoidale)

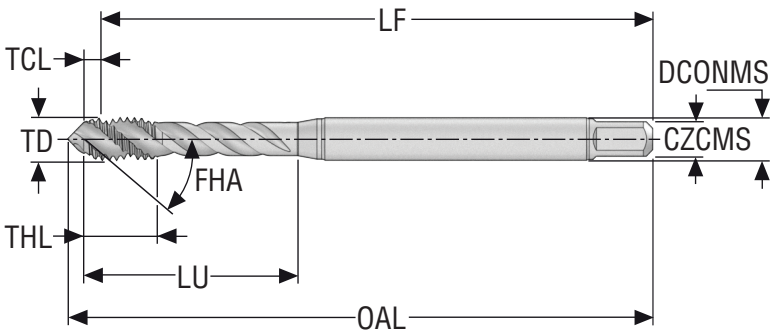


Tipo E

Lunghezza 1,5 – 2 eliche
Coppia bassa
Buona finitura superficiale
Spessore del truciolo elevato
Alta pressione all'imbocco
Durata utensile inferiore
In condizioni di spazio limitato al fondo del foro

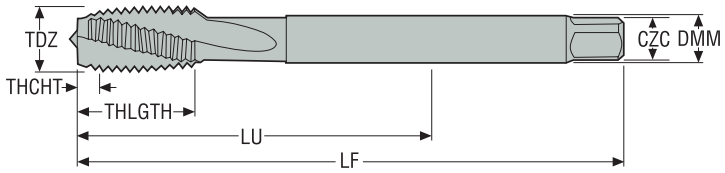


Definizioni per T32, T33 e T34



Definizioni Seco Threadmaster™	
BSG	= Normativa
TD	= Diametro della filettatura
TDZ	= Dimensione diametro filettatura
THCHT	= Tipo di smusso filettatura
TCL	= Lunghezza smusso filettatura
THL	= Lunghezza della sezione filettata
LU	= Lunghezza utile
LF	= Lunghezza funzionale
OAL	= Lunghezza totale
FHA	= Angolo dell'elica
DCONS	= Diametro connessione lato macchina
CZCMS	= Codice dimensioni connessione lato macchina
NOF	= Numero di eliche
PHDR	= Diametro di preforo consigliato
PHDX	= Diametro di preforo massimo
TCTR	= Classe di tolleranza della filettatura
TPI	= Filetti per pollice
ULDR	= Rapporto lunghezza utile/diametro

Definizioni per -P, -M, -K, -N, -S, V e MF



Definizioni Seco Threadmaster™	
BSG	= Normativa
CZC	= Codice dimensione connessione
DMM	= Diametro dello stelo
FHA	= Angolo dell'elica
LF	= Lunghezza funzionale
LU	= Lunghezza utile
NOF	= Numero di eliche
PHDR	= Diametro di preforo consigliato
PHDX	= Diametro di preforo massimo
TCTR	= Classe di tolleranza della filettatura
TD	= Diametro della filettatura
TDZ	= Dimensione diametro filettatura
THCHT	= Tipologia di imbocco
THFT	= Forma filettatura tipo ISO, Withworth, UN...
THLGTH	= Lunghezza della sezione filettata
TPIX	= Numero massimo di filetti per pollice
TTP	= Tipologia di filettatura interna/esterna/entrambi
TPX	= Passo massimo della filettatura
ULDR	= Rapporto lunghezza utile/diametro

Maschi - Scelta dell'attacco per maschiatura

La scelta del portautensili è effettuata in base al mandrino della macchina, con o senza sincronizzazione.

Macchina CNC moderna con sincronizzazione:

Le moderne macchine CNC sono in grado di sincronizzare l'avanzamento della testa del mandrino e la rotazione per eseguire le operazioni di maschiatura rigida. I TCER (mandrini per maschiatura con micro-compensazione) sono i più adatti per la maschiatura sincronizzata.

Mandrini per maschiatura TCER con micro-compensazione, per maschiatura sincronizzata:

Il TCER per la maschiatura sincronizzata è dotato di un sistema di micro-compensazione per evitare piccole discrepanze e forze assiali durante la lavorazione di maschiatura rigida. I maschi sono montati su pinze ER specifiche con quadro di trascinamento.

Nota: Queste pinze ER con attacco quadro possono anche essere montate su porta pinze ER, ma in questo caso senza micro-compensazione.

TCER

Risoluzione dei problemi

Filettatura sovradimensionata

Tipologia di maschio non corretta per l'applicazione
- Fare riferimento alle tabelle applicative

Avanzamento assiale non corretto
- Verificare che l'avanzamento sia controllato
- Se possibile, utilizzare un portautensili per maschiatura sincronizzata

Velocità di taglio errata
- Fare riferimento alle raccomandazioni

Tolleranza errata
- Scegliere un maschio con una classe di tolleranza inferiore

Filettatura sottodimensionata

Maschio usurato
- Sostituire il maschio

Il preforo della maschiatura è troppo piccolo
- Verificare le raccomandazioni per la foratura

Il materiale si richiude dopo la maschiatura
- Aumentare il diametro della punta

Tolleranza del maschio errata
- Scegliere un maschio con una classe di tolleranza superiore

Scheggiature

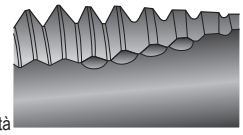
Tipologia di maschio non corretta per l'applicazione
- Verificare la scelta dell'utensile

Lubrificante errato o assente
- Utilizzare l'emulsione o l'olio appropriato

Il maschio raggiunge il fondo del foro
- Aumentare la profondità di foratura o ridurre la profondità di filettatura

Truciolo non evacuato
- Verificare la scelta dell'utensile

Incrudimento superficiale della parete forata
- Verificare le raccomandazioni per la foratura



Rottura

Coppia troppo elevata
- Utilizzare un attacco per maschiatura con limitazione della coppia

Maschio usurato
- Sostituire il maschio

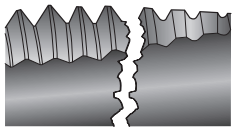
Lubrificante errato o assente
- Utilizzare l'emulsione o l'olio appropriato

Il maschio raggiunge il fondo del foro
-Aumentare la profondità di foratura o ridurre la profondità di filettatura

Velocità di taglio errata
- Fare riferimento alle raccomandazioni

Truciolo ("Birdnest") avvolto sul maschio
- Verificare la scelta dell'utensile

Il preforo della maschiatura è troppo piccolo
- Verificare le raccomandazioni per la foratura



Usura rapida

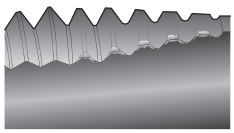
Tipologia di maschio non corretta per l'applicazione
- Verificare la scelta del maschio

Lubrorefrigerante errato o mancante
- Utilizzare l'emulsione o l'olio appropriato

Velocità di taglio troppo elevata
- Riferirsi alle raccomandazioni

Incrudimento superficiale della parete forata
- Verificare i consigli per la foratura
- Punta usurata

Il preforo della maschiatura è troppo piccolo
- Verificare i consigli per la foratura



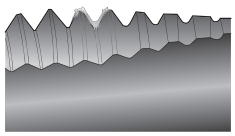
Formazione del tagliente di riporto

Lubrorefrigerante errato o mancante
- Utilizzare l'emulsione o l'olio appropriato

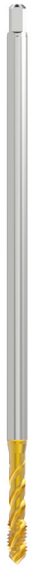
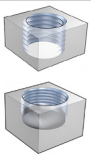
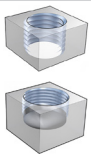
Maschio usurato
- Sostituire il maschio

Velocità di taglio errata
- Fare riferimento alle raccomandazioni

Tipologia di maschio non corretta per l'applicazione
- Verificare la scelta del maschio



Scelta dei maschi T32

Type of tap		T32-SNC-micro	T32-SNC	T32-PNB-micro	T32-PNB	T32-PNB	T32-R40NC-micro	T32-R40NC	T32-R40NC
		TDZ < M3		TDZ < M3			TDZ < M3		
									
Type of hole									
Chamfer form		C	C	B	B	B	C	C	C
Refrigerante		Esterno	Esterno	Esterno	Esterno	Esterno	Esterno	Esterno	Esterno
Substrato:		HSS-PM	HSSE	HSS-PM	HSSE	HSSE	HSS-PM	HSSE	HSSE
ULDR		1,5	1,5	3	3	3	2,5	2,5	2,5
FHA		–	–	–	–	–	40°	40°	40°
Pag.	M	288, 289	290, 291, 292	299, 300	301, 302, 303	304, 305	318, 319	320, 321, 322	323, 324
	M 6G				306, 307			325, 326	
	M LH		293, 294		308, 309			327, 328	
	MF		295, 296, 297		310, 311, 312			329, 330, 331	
	UNC				313, 314			332, 333	
	UNF				315, 316			334, 335	
	G		298		317			336	
	EG M								
	EG UNC								
	EG UNF								

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio T32

SMG	v_c					
	T32-SNC-micro	T32-SNC	T32-PNB-micro	T32-PNB	T32-R40NC-micro	T32-R40NC
P1	20 *65*	20 *65*	20 *65*	20 *65*	20 *65*	20 *65*
P2	20 *65*	20 *65*	20 *65*	20 *65*	20 *65*	20 *65*
P3	17 *55*	17 *55*	17 *55*	17 *55*	17 *55*	17 *55*
P4	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*
P5	14 *46*	14 *46*	14 *46*	14 *46*	14 *46*	14 *46*
P6	16 *50*	16 *50*	16 *50*	16 *50*	16 *50*	16 *50*
P7	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*
P8	14 *46*	14 *46*	14 *46*	14 *46*	14 *46*	14 *46*
P11	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*
P12	8,7 *29*	8,7 *29*	8,7 *29*	8,7 *29*	8,7 *29*	8,7 *29*
M1	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*
M2	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*
M3	7,6 *25*	7,6 *25*	7,6 *25*	7,6 *25*	7,6 *25*	7,6 *25*
M4	5,7 *19*	5,7 *19*	5,7 *19*	5,7 *19*	5,7 *19*	5,7 *19*
M5	4,8 *16*	4,8 *16*	4,8 *16*	4,8 *16*	4,8 *16*	4,8 *16*
K1	17 *55*	17 *55*	17 *55*	17 *55*	— —	— —
K2	15 *49*	15 *49*	15 *49*	15 *49*	— —	— —
K3	13 *43*	13 *43*	13 *43*	13 *43*	13 *43*	13 *43*
K4	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*
K5	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —
N1	23 *75*	23 *75*	23 *75*	23 *75*	23 *75*	23 *75*
N2	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*
N3	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*
N11	13 *43*	13 *43*	13 *43*	13 *43*	13 *43*	13 *43*
S1	— —	— —	— —	— —	— —	— —
S2	— —	— —	— —	— —	— —	— —
S3	— —	— —	— —	— —	— —	— —
S11	— —	— —	— —	— —	— —	— —
S12	— —	— —	— —	— —	— —	— —
S13	— —	— —	— —	— —	— —	— —

SMG = Gruppo materiale Seco
v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value.

For more detailed information on cuttingdata, please visit MyPages or Seco Suggest on secotools.com

Scelta dei maschi T34

Type of tap		T34-PHB-micro	T34-PHB	T34B-PHB	T34-R45HC-micro	T34-R45HC	T34A-R45HC	T34-R45HE	T34A-R45HE
		TDZ < M3			TDZ < M3				
Type of hole									
Chamfer form		B	B	B	C	C	C	E	E
Refrigerante		Esterno	Esterno	Interno	Esterno	Esterno	Interno	Esterno	Interno
Substrato:		HSS-PM	HSSE-PM	HSSE-PM	HSS-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
ULDR		3	3	3	2,5	2,5	2,5	2,5	2,5
FHA		–	–	–	45°	45°	45°	45°	45°
Pag.	M	337, 338	339, 340	341, 342	358, 359	360, 361	364, 365	362, 363	
	M 6G								
	M LH								
	MF		343, 344	345, 346		366, 367	370, 371	368, 369	372
	UNC		347, 348			373, 374			
	UNF		349, 350			375, 376			
	G		351			377			
	EG M		352, 353					378, 379	
	EG UNC		354, 355					380, 381	
	EG UNF		356, 357					382, 383	

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio T34

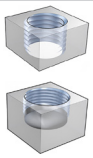
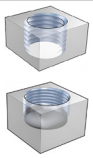
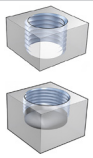
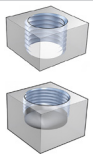
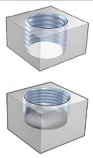
SMG	v_c							
	T34-PHB-micro	T34-PHB	T34B-PHB	T34-R45HC-micro	T34-R45HC	T34A-R45HC	T34-R45HE	T34A-R45HE
P1	28 *90*	28 *90*	43 *140*	28 *90*	28 *90*	43 *140*	28 *90*	43 *140*
P2	28 *90*	28 *90*	41 *135*	28 *90*	28 *90*	41 *135*	28 *90*	41 *135*
P3	24 *80*	24 *80*	36 *120*	24 *80*	24 *80*	36 *120*	24 *80*	36 *120*
P4	21 *70*	21 *70*	31 *100*	21 *70*	21 *70*	31 *100*	21 *70*	31 *100*
P5	20 *65*	20 *65*	30 *100*	20 *65*	20 *65*	30 *100*	20 *65*	30 *100*
P6	22 *70*	22 *70*	34 *110*	22 *70*	22 *70*	34 *110*	22 *70*	34 *110*
P7	21 *70*	21 *70*	32 *105*	21 *70*	21 *70*	32 *105*	21 *70*	32 *105*
P8	20 *65*	20 *65*	30 *100*	20 *65*	20 *65*	30 *100*	20 *65*	30 *100*
P11	21 *70*	21 *70*	31 *100*	21 *70*	21 *70*	31 *100*	21 *70*	31 *100*
P12	12 *39*	12 *39*	18 *60*	12 *39*	12 *39*	18 *60*	12 *39*	18 *60*
M1	15 *49*	15 *49*	21 *70*	15 *49*	15 *49*	21 *70*	15 *49*	21 *70*
M2	12 *39*	12 *39*	17 *55*	12 *39*	12 *39*	17 *55*	12 *39*	17 *55*
M3	9,1 *30*	9,1 *30*	13 *43*	9,1 *30*	9,1 *30*	13 *43*	9,1 *30*	13 *43*
M4	6,9 *23*	6,9 *23*	9,7 *32*	6,9 *23*	6,9 *23*	9,7 *32*	6,9 *23*	9,7 *32*
M5	5,7 *19*	5,7 *19*	8,1 *27*	5,7 *19*	5,7 *19*	8,1 *27*	5,7 *19*	8,1 *27*
K1	24 *80*	24 *80*	36 *120*	24 *80*	24 *80*	36 *120*	24 *80*	36 *120*
K2	21 *70*	21 *70*	31 *100*	21 *70*	21 *70*	31 *100*	21 *70*	31 *100*
K3	18 *60*	18 *60*	26 *85*	18 *60*	18 *60*	26 *85*	18 *60*	26 *85*
K4	17 *55*	17 *55*	25 *80*	17 *55*	17 *55*	25 *80*	17 *55*	25 *80*
K5	— —	10 *33*	15 *49*	— —	10 *33*	15 *49*	10 *33*	15 *49*
K6	15 *49*	15 *49*	22 *70*	15 *49*	15 *49*	22 *70*	15 *49*	22 *70*
K7	13 *43*	13 *43*	19 *60*	13 *43*	13 *43*	19 *60*	13 *43*	19 *60*
N1	26 *85*	26 *85*	39 *130*	26 *85*	26 *85*	39 *130*	26 *85*	39 *130*
N2	17 *55*	17 *55*	25 *80*	17 *55*	17 *55*	25 *80*	17 *55*	25 *80*
N3	11 *36*	11 *36*	17 *55*	11 *36*	11 *36*	17 *55*	11 *36*	17 *55*
N11	15 *49*	15 *49*	22 *70*	15 *49*	15 *49*	22 *70*	15 *49*	22 *70*
S1	— —	4,0 *13*	4,0 *13*	— —	4,0 *13*	4,0 *13*	4,0 *13*	4,0 *13*
S2	— —	— —	— —	— —	— —	— —	— —	— —
S3	— —	— —	— —	— —	— —	— —	— —	— —
S11	— —	4,0 *13*	4,0 *13*	— —	4,0 *13*	4,0 *13*	4,0 *13*	4,0 *13*
S12	— —	— —	— —	— —	— —	— —	— —	— —
S13	— —	— —	— —	— —	— —	— —	— —	— —

SMG = Gruppo materiale Seco
v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value.

For more detailed information on cuttingdata, please visit MyPages or Seco Suggest on secotools.com

Scelta dei maschi T33

Type of tap		T33-FNC	T33-FSNC	T33-FSCC	T33-FSCE	T33B-FSCE	T33A-FSCE
Type of hole							
Chamfer form		C	C	C	E	E	E
Refrigerante		Esterno	Esterno	Esterno	Esterno	Interno	Interno
Substrato:		HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
ULDR		3	3	3	3	3	3
Pag.	M	384, 385	386, 387	397	398	400	399
	M 6G		388, 389				
	M LH						
	MF		390, 391	401, 402			
	UNC		392, 393				
	UNF		394, 395				
	G		396				
	EG M						
	EG UNC						
	EG UNF						

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio T33

SMG	v_c					
	T33-FNC	T33-FSNC	T33-FSCC	T33-FSCE	T33A-FSCE	T33B-FSCE
P1	21 *70*	21 *70*	21 *70*	21 *70*	28 *90*	28 *90*
P2	21 *70*	21 *70*	21 *70*	21 *70*	28 *90*	28 *90*
P3	18 *60*	18 *60*	18 *60*	18 *60*	24 *80*	24 *80*
P4	16 *50*	16 *50*	16 *50*	16 *50*	21 *70*	21 *70*
P5	15 *49*	15 *49*	15 *49*	15 *49*	20 *65*	20 *65*
P6	17 *55*	17 *55*	17 *55*	17 *55*	22 *70*	22 *70*
P7	16 *50*	16 *50*	16 *50*	16 *50*	21 *70*	21 *70*
P8	— —	— —	— —	— —	— —	— —
P11	— —	— —	— —	— —	— —	— —
P12	— —	— —	— —	— —	— —	— —
M1	19 *60*	19 *60*	19 *60*	19 *60*	19 *60*	19 *60*
M2	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*	15 *49*
M3	11 *36*	11 *36*	11 *36*	11 *36*	11 *36*	11 *36*
M4	— —	— —	8,6 *28*	8,6 *28*	8,6 *28*	8,6 *28*
M5	— —	— —	— —	— —	— —	— —
K1	— —	— —	— —	— —	— —	— —
K2	— —	— —	— —	— —	— —	— —
K3	— —	— —	— —	— —	— —	— —
K4	— —	— —	— —	— —	— —	— —
K5	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —
N1	31 *100*	31 *100*	47 *155*	47 *155*	47 *155*	47 *155*
N2	20 *65*	20 *65*	30 *100*	30 *100*	30 *100*	30 *100*
N3	— —	— —	20 *65*	20 *65*	20 *65*	20 *65*
N11	— —	— —	27 *90*	27 *90*	27 *90*	27 *90*
S1	— —	— —	— —	— —	— —	— —
S2	— —	— —	— —	— —	— —	— —
S3	— —	— —	— —	— —	— —	— —
S11	— —	— —	— —	— —	— —	— —
S12	— —	— —	— —	— —	— —	— —
S13	— —	— —	— —	— —	— —	— —

SMG = Gruppo materiale Seco
v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value.

For more detailed information on cuttingdata, please visit MyPages or Seco Suggest on secotools.com

Scelta dei maschi MTH-P001 (-A) – MTH-P011

Tipo utensile	MTH-P001 30-48 HRC	MTH-P001-A 30-48 HRC	MTH-P002 30-48 HRC	MTH-P002-A 30-48 HRC	MTH-P003	MTH-P003-A	MTH-P004	MTH-P004-A	MTH-P011
Tipo di filetto	M	M	M	M	M	M	M	M	MF
TCTR	6H	6H	6H	6H	6HX	6HX	6HX	6HX	6HX
ULDR	1.5	1.5	1.5	1.5	3	3	3	3	3
THCHT	C	C	C	C	C	C	C	C	C
BSG	SECO-DIN	SECO-DIN	DIN376	DIN376	DIN371	DIN371	DIN376	DIN376	DIN374
Dimensione filetto	M3 - M10	M4 - M10	M12 - M20	M12 - M20	M1.6 - M10	M4 - M10	M5 - M30	M12 - M30	MF 4X0.5 - MF 30X2.0
FHA	15°	15°	15°	15°	48°	48°	48°	48°	48°
Refrigerante	No	Sì	No	Sì	No	Sì	No	Sì	No
Pag.	425	426	427	428	429	430	431	432	433, 434

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-P001 (-A) – P011

SMG	v_c								
	MTH- P001	MTH- P001-A	MTH- P002	MTH- P002-A	MTH- P003	MTH- P003-A	MTH- P004	MTH- P004-A	MTH- P011
P1	—	—	—	—	55	55	55	55	55
	—	—	—	—	*180*	*180*	*180*	*180*	*180*
P2	—	—	—	—	55	55	55	55	55
	—	—	—	—	*180*	*180*	*180*	*180*	*180*
P3	—	—	—	—	45	45	45	45	45
	—	—	—	—	*150*	*150*	*150*	*150*	*150*
P4	—	—	—	—	40	40	40	40	40
	—	—	—	—	*130*	*130*	*130*	*130*	*130*
P5	—	—	—	—	38	38	38	38	38
	—	—	—	—	*125*	*125*	*125*	*125*	*125*
P6	—	—	—	—	43	43	43	43	43
	—	—	—	—	*140*	*140*	*140*	*140*	*140*
P7	—	—	—	—	40	40	40	40	40
	—	—	—	—	*130*	*130*	*130*	*130*	*130*
P8	—	—	—	—	38	38	38	38	38
	—	—	—	—	*125*	*125*	*125*	*125*	*125*
P11	—	—	—	—	39	39	39	39	39
	—	—	—	—	*130*	*130*	*130*	*130*	*130*
P12	—	—	—	—	23	23	23	23	23
	—	—	—	—	*75*	*75*	*75*	*75*	*75*
M1	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
M2	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
M3	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
M4	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
M5	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K1	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K2	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K3	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K4	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K5	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K6	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
K7	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
N1	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
N2	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
N3	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
N11	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
H5	17	17	17	17	—	—	—	—	—
	55	*55*	*55*	*55*	—	—	—	—	—
H8	17	17	17	17	—	—	—	—	—
	55	*55*	*55*	*55*	—	—	—	—	—

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTP-P001 – MTP-P011

Tipo utensile	MTP-P001 30-48 HRC	MTP-P002 30-48 HRC	MTP-P003	MTP-P003-A	MTP-P004	MTP-P004-A	MTP-P011
Tipo di filetto	M	M	M	M	M	M	MF
TCTR	6H	6H	5HX/6HX	6HX	6HX	6HX	6HX
ULDR	2.5	2.5	3	3	3	3	3
THCHT	B	B	B	B	B	B	B
BSG	SECO-DIN	DIN376	DIN371	DIN371	DIN376	DIN376	DIN374
Dimensione filetto	M3 - M10	M12 - M20	M1 - M10	M4 - M10	M4 - M30	M12 - M30	MF 4X0.5 - MF 30X2.0
Refrigerante	No	No	No	Sì	No	Sì	No
Pag.	403	404	405	406	407	408	409, 410

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTP-P001 – P011

SMG	v_c						
	MTP- P001	MTP- P002	MTP- P003	MTP- P003-A	MTP- P004	MTP- P004-A	MTP- P011
P1	— —	— —	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*
P2	— —	— —	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*
P3	— —	— —	50 *165*	50 *165*	50 *165*	50 *165*	50 *165*
P4	— —	— —	45 *150*	45 *150*	45 *150*	45 *150*	45 *150*
P5	— —	— —	43 *140*	43 *140*	43 *140*	43 *140*	43 *140*
P6	— —	— —	48 *155*	48 *155*	48 *155*	48 *155*	48 *155*
P7	— —	— —	46 *150*	46 *150*	46 *150*	46 *150*	46 *150*
P8	— —	— —	43 *140*	43 *140*	43 *140*	43 *140*	43 *140*
P11	— —	— —	44 *145*	44 *145*	44 *145*	44 *145*	44 *145*
P12	— —	— —	26 *85*	26 *85*	26 *85*	26 *85*	26 *85*
M1	— —	— —	— —	— —	— —	— —	— —
M2	— —	— —	— —	— —	— —	— —	— —
M3	— —	— —	— —	— —	— —	— —	— —
M4	— —	— —	— —	— —	— —	— —	— —
M5	— —	— —	— —	— —	— —	— —	— —
K1	— —	— —	— —	— —	— —	— —	— —
K2	— —	— —	— —	— —	— —	— —	— —
K3	— —	— —	— —	— —	— —	— —	— —
K4	— —	— —	— —	— —	— —	— —	— —
K5	— —	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —	— —
N1	— —	— —	— —	— —	— —	— —	— —
N2	— —	— —	— —	— —	— —	— —	— —
N3	— —	— —	— —	— —	— —	— —	— —
N11	— —	— —	— —	— —	— —	— —	— —
H5	17 *55*	17 *55*	— —	— —	— —	— —	— —
H8	17 *55*	17 *55*	— —	— —	— —	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-M003 (-A) – MTP-M004 (-A)

Tipo utensile	MTH-M003	MTH-M003-A	MTH-M004	MTH-M004-A	MTP-M003-A	MTP-M004	MTP-M004-A
Tipo di filetto	M	M	M	M	M	M	M
TCTR	6H	6H	6H	6H	6H	6H	6H
ULDR	2.5	2.5	2.5	2.5	2.5	2.5	2.5
THCHT	C	C	C	C	B	B	B
BSG	DIN371	DIN371	DIN376	DIN376	DIN371	DIN376	DIN376
Dimensione filetto	M1.6 - M10	M4 - M10	M12 - M20	M12 - M20	M4 - M10	M12 - M20	M12 - M24
FHA	48°	48°	48°	48°	–	–	–
Refrigerante	No	Sì	No	Sì	Sì	No	Sì
Pag.	435	436	437	438	411	412	413

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-M003 (-A) – M004 (-A)

SMG	v_c						
	MTH- M003	MTH- M003-A	MTH- M004	MTH- M004-A	MTP- M003-A	MTP- M004	MTP- M004-A
P1	— —	— —	— —	— —	— —	— —	— —
P2	— —	— —	— —	— —	— —	— —	— —
P3	— —	— —	— —	— —	— —	— —	— —
P4	— —	— —	— —	— —	— —	— —	— —
P5	— —	— —	— —	— —	— —	— —	— —
P6	— —	— —	— —	— —	— —	— —	— —
P7	— —	— —	— —	— —	— —	— —	— —
P8	— —	— —	— —	— —	— —	— —	— —
P11	— —	— —	— —	— —	— —	— —	— —
P12	— —	— —	— —	— —	— —	— —	— —
M1	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*	12 *39*
M2	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*	10 *33*
M3	8 *26*	8 *26*	8 *26*	8 *26*	8 *26*	8 *26*	8 *26*
M4	6 *20*	6 *20*	6 *20*	6 *20*	6 *20*	6 *20*	6 *20*
M5	5 *16*	5 *16*	5 *16*	5 *16*	5 *16*	5 *16*	5 *16*
K1	— —	— —	— —	— —	— —	— —	— —
K2	— —	— —	— —	— —	— —	— —	— —
K3	— —	— —	— —	— —	— —	— —	— —
K4	— —	— —	— —	— —	— —	— —	— —
K5	— —	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —	— —
N1	— —	— —	— —	— —	— —	— —	— —
N2	— —	— —	— —	— —	— —	— —	— —
N3	— —	— —	— —	— —	— —	— —	— —
N11	— —	— —	— —	— —	— —	— —	— —
H5	— —	— —	— —	— —	— —	— —	— —
H8	— —	— —	— —	— —	— —	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-N001 – MTP-N002 (-A)

Tipo utensile	MTH-N001	MTH-N002	MTP-N001	MTP-N001-A	MTP-N002	MTP-N002-A
Tipo di filetto	M	M	M	M	M	M
TCTR	6H	6H	6H	6H	6H	6H
ULDR	1.5	1.5	3	3	3	3
THCHT	C	C	B	B	B	B
BSG	DIN371	DIN376	DIN371	DIN371	DIN376	DIN376
Dimensione filetto	M3 - M10	M12 - M16	M3 - M10	M4 - M10	M12 - M16	M12 - M16
FHA	15°	15°	–	–	–	–
Refrigerante	No	No	No	Sì	No	Sì
Pag.	439	440	414	415	416	417

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-N001 – N002 (-A)

SMG	v_c					
	MTH- N001	MTH- N002	MTP- N001	MTP- N001-A	MTP- N002	MTP- N002-A
P1	—	—	—	—	—	—
	—	—	—	—	—	—
P2	—	—	—	—	—	—
	—	—	—	—	—	—
P3	—	—	—	—	—	—
	—	—	—	—	—	—
P4	—	—	—	—	—	—
	—	—	—	—	—	—
P5	—	—	—	—	—	—
	—	—	—	—	—	—
P6	—	—	—	—	—	—
	—	—	—	—	—	—
P7	—	—	—	—	—	—
	—	—	—	—	—	—
P8	—	—	—	—	—	—
	—	—	—	—	—	—
P11	—	—	—	—	—	—
	—	—	—	—	—	—
P12	—	—	—	—	—	—
	—	—	—	—	—	—
M1	—	—	—	—	—	—
	—	—	—	—	—	—
M2	—	—	—	—	—	—
	—	—	—	—	—	—
M3	—	—	—	—	—	—
	—	—	—	—	—	—
M4	—	—	—	—	—	—
	—	—	—	—	—	—
M5	—	—	—	—	—	—
	—	—	—	—	—	—
K1	—	—	—	—	—	—
	—	—	—	—	—	—
K2	—	—	—	—	—	—
	—	—	—	—	—	—
K3	—	—	—	—	—	—
	—	—	—	—	—	—
K4	—	—	—	—	—	—
	—	—	—	—	—	—
K5	—	—	—	—	—	—
	—	—	—	—	—	—
K6	—	—	—	—	—	—
	—	—	—	—	—	—
K7	—	—	—	—	—	—
	—	—	—	—	—	—
N1	55	55	55	55	55	55
	180	*180*	*180*	*180*	*180*	*180*
N2	35	35	35	35	35	35
	115	*115*	*115*	*115*	*115*	*115*
N3	23	23	23	23	23	23
	75	*75*	*75*	*75*	*75*	*75*
N11	31	31	31	31	31	31
	100	*100*	*100*	*100*	*100*	*100*
H5	—	—	—	—	—	—
	—	—	—	—	—	—
H8	—	—	—	—	—	—
	—	—	—	—	—	—

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-S001 – MTH-S032

Tipo utensile	MTH-S001	MTH-S002	MTH-S003	MTH-S004	MTH-S011	MTH-S012	MTH-S031	MTH-S032
Tipo di filetto	M	M	M	M	MF	MJ	UNC	UNJC
TCTR	6HX	6HX	6HX	6HX	6HX	4H	2B	3B
ULDR	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
THCHT	C	C	C	C	C	C	C	C
BSG	DIN371	DIN371	DIN371	DIN371	DIN371	DIN371	DIN2184-1	DIN2184-1
Dimensione filetto	M3-M10	M12-M16	M3-M10	M12-M16	MF8X1-MF12X1,5	MJ3-MJ6	UNC2-56-UNC3/8-16	UNJC4-40-UNJC3/8-16
FHA	10°	10°	10°	10°	10°	10°	25°	10°
Refrigerante	No	No	No	No	No	No	No	No
Pag.	441	442	443	444	445	446	447	448

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-S001 – S032

SMG	v_c							
	MTH-S001	MTH-S002	MTH-S003	MTH-S004	MTH-S011	MTH-S012	MTH-S031	MTH-S032
P1	— —	— —	— —	— —	— —	— —	— —	— —
P2	— —	— —	— —	— —	— —	— —	— —	— —
P3	— —	— —	— —	— —	— —	— —	— —	— —
P4	— —	— —	— —	— —	— —	— —	— —	— —
P5	— —	— —	— —	— —	— —	— —	— —	— —
P6	3 *10*	3 *10*	7 *23*	7 *23*	3 *10*	3 *10*	3 *10*	3 *10*
P7	3 *10*	3 *10*	7 *23*	7 *23*	3 *10*	3 *10*	3 *10*	3 *10*
P8	— —	— —	— —	— —	— —	— —	— —	— —
P11	3 *10*	3 *10*	6 *20*	6 *20*	3 *10*	3 *10*	3 *10*	3 *10*
P12	2 *7*	2 *7*	4 *13*	4 *13*	2 *7*	2 *7*	2 *7*	2 *7*
M1	— —	— —	— —	— —	— —	— —	— —	— —
M2	— —	— —	— —	— —	— —	— —	— —	— —
M3	— —	— —	— —	— —	— —	— —	— —	— —
M4	— —	— —	— —	— —	— —	— —	2 *7*	— —
M5	— —	— —	— —	— —	— —	— —	2 *7*	— —
K1	— —	— —	— —	— —	— —	— —	— —	— —
K2	— —	— —	— —	— —	— —	— —	— —	— —
K3	— —	— —	— —	— —	— —	— —	— —	— —
K4	— —	— —	— —	— —	— —	— —	— —	— —
K5	— —	— —	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —	— —	— —
N1	— —	— —	— —	— —	— —	— —	— —	— —
N2	— —	— —	— —	— —	— —	— —	— —	— —
N3	16 *50*	16 *50*	25 *80*	25 *80*	16 *50*	16 *50*	— —	16 *50*
N11	— —	— —	— —	— —	— —	— —	— —	— —
S1	2 *7*	2 *7*	4 *13*	4 *13*	2 *7*	2 *7*	2 *7*	2 *7*
S2	2 *7*	2 *7*	3 *10*	3 *10*	2 *7*	2 *7*	2 *7*	2 *7*
S3	2 *7*	2 *7*	3 *10*	3 *10*	2 *7*	2 *7*	2 *7*	2 *7*
S11	— —	— —	— —	— —	— —	— —	— —	— —
S12	— —	— —	— —	— —	— —	— —	— —	— —
S13	— —	— —	— —	— —	— —	— —	— —	— —
H5	— —	— —	— —	— —	— —	— —	— —	— —
H8	— —	— —	— —	— —	— —	— —	— —	— —

SMG = Seco material group, v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value and calculated when running in 2xD, except for V048, V050 and MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 and 044) that are calculated from 1,5xD. When running in 1,5xD increse speed by 20% and at 2,5 x D reduce speed by 20%. At 3 x D reduce by 30%. Due to machine, material and setup condition it is advisable also to optimize cutting data.

Recommended ranges to use for each type of tap: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-S041 – MTH-S142

Tipo utensile	MTH-S041	MTH-S042	MTH-S043	MTH-S044	MTH-S101	MTH-S102	MTH-S111	MTH-S112	MTH-S142
Tipo di filetto	UNF	UNJF	EGUNF	EGUNF	M	M	MF	MJ	UNJF
TCTR	3B	3B	3B	3B	6HX	6HX	6HX	4H	3B
ULDR	1.5	1.5	2.0	1.5	2.0	2.0	2.0	2.0	2.0
THCHT	C	C	C	C	C	C	C	C	C
BSG	DIN2184-1	DIN2184-1	DIN2184-1	DIN2184-1	DIN371	DIN376	DIN376	DIN371	DIN2184-1
Dimensione filetto	UNF6-40-UNF3/8-24	UNJF6-40-UNJF3/8-24	EGUNF6-40-EGUNF3/8-24	EGUNF6-40-EGUNF3/8-24	M2-M10	M12-M20	MF6X0,75-MF14X1,5	MJ3-MJ10	UNJF10-32-UNJF3/8-24
FHA	25°	10°	15°	10°	15°	15°	15°	15°	15°
Refrigerante	No	No	No	No	No	No	No	No	No
Pag.	449	450	451	452	453	454	455	456	457

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-S041 – S142

SMG	v_c								
	MTH-S041	MTH-S042	MTH-S043	MTH-S044	MTH-S101	MTH-S102	MTH-S111	MTH-S112	MTH-S142
P1	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P2	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P3	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P4	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P5	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P6	3 / *10*	3 / *10*	7 / *23*	3 / *10*	7 / *23*	7 / *23*	7 / *23*	7 / *23*	7 / *23*
P7	3 / *10*	3 / *10*	7 / *23*	3 / *10*	7 / *23*	7 / *23*	7 / *23*	7 / *23*	7 / *23*
P8	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
P11	3 / *10*	3 / *10*	6 / *20*	3 / *10*	6 / *20*	6 / *20*	6 / *20*	6 / *20*	6 / *20*
P12	2 / *7*	2 / *7*	4 / *13*	2 / *7*	4 / *13*	4 / *13*	4 / *13*	4 / *13*	4 / *13*
M1	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
M2	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
M3	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
M4	2 / *7*	— / —	6 / *20*	— / —	6 / *20*	6 / *20*	6 / *20*	6 / *20*	6 / *20*
M5	2 / *7*	— / —	5 / *16*	— / —	5 / *16*	5 / *16*	5 / *16*	5 / *16*	5 / *16*
K1	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K2	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K3	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K4	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K5	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K6	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
K7	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
N1	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
N2	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
N3	— / —	16 / *50*	25 / *80*	16 / *50*	25 / *80*	25 / *80*	25 / *80*	25 / *80*	25 / *80*
N11	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
S1	2 / *7*	2 / *7*	— / —	2 / *7*	— / —	— / —	— / —	— / —	— / —
S2	2 / *7*	2 / *7*	— / —	2 / *7*	— / —	— / —	— / —	— / —	— / —
S3	2 / *7*	2 / *7*	— / —	2 / *7*	— / —	— / —	— / —	— / —	— / —
S11	— / —	— / —	5 / *16*	— / —	5 / *16*	5 / *16*	5 / *16*	5 / *16*	5 / *16*
S12	— / —	— / —	4 / *13*	— / —	4 / *13*	4 / *13*	4 / *13*	4 / *13*	4 / *13*
S13	— / —	— / —	3 / *10*	— / —	3 / *10*	3 / *10*	3 / *10*	3 / *10*	3 / *10*
H5	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —
H8	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —	— / —

SMG = Seco material group, v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value and calculated when running in 2xD, except for V048, V050 and MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 and 044) that are calculated from 1,5xD. When running in 1,5xD increse speed by 20% and at 2,5 x D reduce speed by 20%. At 3 x D reduce by 30%. Due to machine, material and setup condition it is advisable also to optimize cutting data.

Recommended ranges to use for each type of tap: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTP-S001 – MTP-S043

Tipo utensile	MTP-S001	MTP-S002	MTP-S011	MTP-S012	MTP-S013	MTP-S042	MTP-S043
Tipo di filetto	M	M	MF	MJ	EGM	UNFJ	EGUNF
TCTR	6HX	6HX	6HX	4H	4H	3B	3B
ULDR	2.0	2.0	2.0	2.0	2.0	2.0	2.0
THCHT	B	B	B	B	B	B	B
BSG	DIN371	DIN376	DIN371	DIN371	DIN40435	DIN2184-1	DIN2184-1
Dimensione filetto	M2-M10	M12-M20	MF6X0,75-MF14X1,5	MJ4-MJ8	EGM4-EGM8	UNJF10-32-UNJF3/8-24	EGUNF10-32-EGUNF3/8-24
FHA	–	–	–	–	–	–	–
Refrigerante	No	No	No	No	No	No	No
Pag.	418	419	420	421	422	423	424

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTP-S001 – S043

SMG	v_c						
	MTP-S001	MTP-S002	MTP-S011	MTP-S012	MTP-S013	MTP-S042	MTP-S043
P1	— —	— —	— —	— —	— —	— —	— —
P2	— —	— —	— —	— —	— —	— —	— —
P3	— —	— —	— —	— —	— —	— —	— —
P4	— —	— —	— —	— —	— —	— —	— —
P5	— —	— —	— —	— —	— —	— —	— —
P6	— —	— —	— —	— —	— —	— —	— —
P7	— —	— —	— —	— —	— —	— —	— —
P8	— —	— —	— —	— —	— —	— —	— —
P11	— —	— —	— —	— —	— —	— —	— —
P12	— —	— —	— —	— —	— —	— —	— —
M1	— —	— —	— —	— —	— —	— —	— —
M2	— —	— —	— —	— —	— —	— —	— —
M3	— —	— —	— —	— —	— —	— —	— —
M4	6 *20*	6 *20*	6 *20*	6 *20*	2 *7*	6 *20*	2 *7*
M5	5 *16*	5 *16*	5 *16*	5 *16*	2 *7*	5 *16*	2 *7*
K1	— —	— —	— —	— —	— —	— —	— —
K2	— —	— —	— —	— —	— —	— —	— —
K3	— —	— —	— —	— —	— —	— —	— —
K4	— —	— —	— —	— —	— —	— —	— —
K5	— —	— —	— —	— —	— —	— —	— —
K6	— —	— —	— —	— —	— —	— —	— —
K7	— —	— —	— —	— —	— —	— —	— —
N1	— —	— —	— —	— —	— —	— —	— —
N2	— —	— —	— —	— —	— —	— —	— —
N3	25 *80*	25 *80*	25 *80*	25 *80*	16 *50*	25 *80*	16 *50*
N11	— —	— —	— —	— —	— —	— —	— —
S1	4 *13*	4 *13*	4 *13*	4 *13*	4 *13*	4 *13*	4 *13*
S2	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*
S3	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*	3 *10*
S11	5 *16*	5 *16*	5 *16*	5 *16*	4 *13*	5 *16*	4 *13*
S12	4 *13*	4 *13*	4 *13*	4 *13*	3 *10*	4 *13*	3 *10*
S13	3 *10*	3 *10*	3 *10*	3 *10*	2 *7*	3 *10*	2 *7*
H5	— —	— —	— —	— —	— —	— —	— —
H8	— —	— —	— —	— —	— —	— —	— —

SMG = Seco material group, v_c = m/min (*sf/min*)

Cutting speeds (v_c) in the table are recommendations for a start value and calculated when running in 2xD, except for V048, V050 and MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 and 044) that are calculated from 1,5xD. When running in 1,5xD increse speed by 20% and at 2,5 x D reduce speed by 20%. At 3 x D reduce by 30%. Due to machine, material and setup condition it is advisable also to optimize cutting data.

Recommended ranges to use for each type of tap: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTS-K101 (-A) – MTS-K141

Tipo utensile	MTS-K101	MTS-K101-A	MTS-K002	MTS-K002-A	MTS-K102	MTS-K102-A	MTS-K111	MTS-K121	MTS-K131	MTS-K141
Tipo di filetto	M	M	M	M	M	M	MF	G	UNC	UNF
TCTR	6HX	6HX	6HX	6HX	6HX	6HX	6HX	NORMAL-X	2BX	2BX
ULDR	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
THCHT	C	C/E	C	C/E	C	C/E	C	C	C	C
BSG	DIN371	DIN371	DIN376	DIN376	DIN376	DIN376	DIN374	DIN5156	DIN2184-1	DIN2184-1
Dimensione filetto	M3 - M10	M4 - M10	M27 - M42	M27 - M42	M8 - M24	M12 - M24	MF 10X1 - MF 20X1.5	G1/8-28 - G1-11	UNC 1/4-20 - UNC 7/8-9	UNF 1/4-28 - UNF 7/8-14
FHA	–	–	–	–	–	–	–	–	–	–
Refrigerante	No	Sì	No	Sì	No	Sì	No	No	No	No
Pag.	462	463	464	465	466	467	468	469	470	471

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTS-K-101 – MTS-K141

SMG	v_c							
	MTS- K101	MTS- K101-A	MTS- K102	MTS- K102-A	MTS- K111	MTS- K121	MTS- K131	MTS- K141
P1	— —	— —	— —	— —	— —	— —	— —	— —
P2	— —	— —	— —	— —	— —	— —	— —	— —
P3	— —	— —	— —	— —	— —	— —	— —	— —
P4	— —	— —	— —	— —	— —	— —	— —	— —
P5	— —	— —	— —	— —	— —	— —	— —	— —
P6	— —	— —	— —	— —	— —	— —	— —	— —
P7	— —	— —	— —	— —	— —	— —	— —	— —
P8	— —	— —	— —	— —	— —	— —	— —	— —
P11	— —	— —	— —	— —	— —	— —	— —	— —
P12	— —	— —	— —	— —	— —	— —	— —	— —
M1	— —	— —	— —	— —	— —	— —	— —	— —
M2	— —	— —	— —	— —	— —	— —	— —	— —
M3	— —	— —	— —	— —	— —	— —	— —	— —
M4	— —	— —	— —	— —	— —	— —	— —	— —
M5	— —	— —	— —	— —	— —	— —	— —	— —
K1	85 *280*	85 *280*	85 *280*	85 *280*	85 *280*	85 *280*	85 *280*	85 *280*
K2	75 *245*	75 *245*	75 *245*	75 *245*	75 *245*	75 *245*	75 *245*	75 *245*
K3	65 *215*	65 *215*	65 *215*	65 *215*	65 *215*	65 *215*	65 *215*	65 *215*
K4	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*	60 *195*
K5	36 *120*	36 *120*	36 *120*	36 *120*	36 *120*	36 *120*	36 *120*	36 *120*
K6	55 *180*	55 *180*	55 *180*	55 *180*	55 *180*	55 *180*	55 *180*	55 *180*
K7	46 *150*	46 *150*	46 *150*	46 *150*	46 *150*	46 *150*	46 *150*	46 *150*
N1	— —	— —	— —	— —	— —	— —	— —	— —
N2	— —	— —	— —	— —	— —	— —	— —	— —
N3	— —	— —	— —	— —	— —	— —	— —	— —
N11	— —	— —	— —	— —	— —	— —	— —	— —
H5	— —	— —	— —	— —	— —	— —	— —	— —
H8	— —	— —	— —	— —	— —	— —	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-V011 – MTH-V030 (-A)

Tipo utensile	MTH-V015	MTH-V016
Tipo di filetto	M	M
TCTR	6H	6H
ULDR	2	2
THCHT	C	C
BSG	DIN371	DIN376
Dimensione filetto	M3 - M10	M12 - M36
FHA	15°	15°
Refrigerante	No	No
Pag.	458	459

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-V015 – MTH-V016

SMG	MTH- V015	MTH- V016
P1	40 *130*	40 *130*
P2	39 *130*	39 *130*
P3	33 *110*	33 *110*
P4	29 *95*	29 *95*
P5	28 *90*	28 *90*
P6	31 *100*	31 *100*
P7	30 *100*	30 *100*
P8	28 *90*	28 *90*
P11	29 *95*	29 *95*
P12	17 *55*	17 *55*
M1	9 *30*	9 *30*
M2	7 *23*	7 *23*
M3	5 *16*	5 *16*
M4	4 *13*	4 *13*
M5	3 *10*	3 *10*
K1	— —	— —
K2	— —	— —
K3	— —	— —
K4	— —	— —
K5	— —	— —
K6	— —	— —
K7	— —	— —
N1	37 *120*	37 *120*
N2	24 *80*	24 *80*
N3	16 *50*	16 *50*
N11	21 *70*	21 *70*
H5	— —	— —
H8	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MTH-V048 – MTH-V050

Tipo utensile	MTH-V048	MTH-V050
Tipo di filetto	NPT	NPTF
TCTR	NORMAL	NORMAL
ULDR	1.5	1.5
THCHT	C	C
BSG	DIN/ANSI	DIN/ANSI
Dimensione filetto	NPT 1/16-27 NPT 1-11.5	NPTF 1/16-27 NPTF 3/4-14
FHA	15°	15°
Refrigerante	No	No
Pag.	460	461

Per i parametri di taglio vedere la pagina successiva

Parametri di taglio MTH-V048 – V050

SMG	v_c	
	MTH- V048	MTH- V050
P1	11 *36*	11 *36*
P2	11 *36*	11 *36*
P3	10 *33*	10 *33*
P4	8 *26*	8 *26*
P5	8 *26*	8 *26*
P6	9 *30*	9 *30*
P7	8 *26*	8 *26*
P8	8 *26*	8 *26*
P11	8 *26*	8 *26*
P12	5 *16*	5 *16*
M1	9 *30*	9 *30*
M2	7 *23*	7 *23*
M3	5 *16*	5 *16*
M4	4 *13*	4 *13*
M5	3 *10*	3 *10*
K1	14 *46*	14 *46*
K2	12 *39*	12 *39*
K3	10 *33*	10 *33*
K4	10 *33*	10 *33*
K5	6 *20*	6 *20*
K6	9 *30*	9 *30*
K7	8 *26*	8 *26*
N1	23 *75*	23 *75*
N2	15 *49*	15 *49*
N3	10 *33*	10 *33*
N11	13 *43*	13 *43*
H5	— —	— —
H8	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

Scelta dei maschi MF-V053 – MF-V063 (-A)

Tipo utensile	MF-V060-A	MF-V063-A
Tipo di filetto	M	MF
TCTR	6HX	6HX
ULDR	3	3
THCHT	C	C
BSG	DIN2174	DIN2174
Dimensione filetto	M12 - M24	MF12x1.25 - MF16x1.5
FHA	–	–
Refrigerante	Sì	Sì
Pag.	472	473

Per i parametri di taglio vedere la pagina successiva

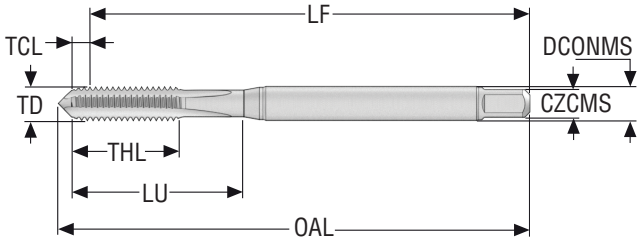
Parametri di taglio MF-V060-A – MF-V063-A

SMG	MF- V060	MF- V063-A
P1	55 *180*	55 *180*
P2	55 *180*	55 *180*
P3	48 *155*	48 *155*
P4	42 *140*	42 *140*
P5	40 *130*	40 *130*
P6	45 *150*	45 *150*
P7	42 *140*	42 *140*
P8	40 *130*	40 *130*
P11	41 *135*	41 *135*
P12	24 *80*	24 *80*
M1	17 *55*	17 *55*
M2	14 *46*	14 *46*
M3	11 *36*	11 *36*
M4	8 *26*	8 *26*
M5	*7* *23*	*7* *23*
K1	— —	— —
K2	— —	— —
K3	— —	— —
K4	— —	— —
K5	— —	— —
K6	— —	— —
K7	— —	— —
N1	55 *180*	55 *180*
N2	35 *115*	35 *115*
N3	23 *75*	23 *75*
N11	31 *100*	31 *100*
H5	— —	— —
H8	— —	— —

SMG = Gruppo materiale, v_c = m/min (*sf/min*)
Le velocità di taglio (v_c) presenti nella tabella sono valori indicativi calcolati per lavorazioni 2xD, eccetto per V048, V050 mentre per i prodotti di seguito MTH-S (001, 002, 003, 004, 011, 012, 031, 032, 041, 042 e 044)) 1,5xD. Lavorando a 1,5xD aumentare la velocità del 20% e a 2,5xD ridurre la velocità del 20%. A 3xD ridurre del 30%. In funzione della macchina, del materiale e dell'impostazione del sistema, è consigliabile ottimizzare i parametri di taglio. Intervalli consigliati da utilizzare per ciascuna tipologia di maschio: K001-K002: +25% / -25%, V015-V016: +15% / -15%, V001-V045: +15% / -15%, V048-V050: +35% / -35%, V053-V063: +15% / -15%

T32-SNC-micro

Fori ciechi e fori passanti – Filettature metriche grosse

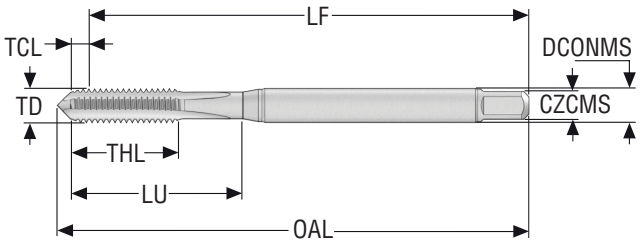


- Substrato: HSS-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 4H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C03-1X0.25-41R	10139661	M1	0,25	0,68 *0.027*	6,0 *0.236*	13 *0.512*	39,32 *1.548*	40,9 *1.610*	2,5 *0.098*	2.50X2.10	0,75 *0.030*	2	C
T32-SN01C03-1.1X0.25-41R	10139662	M1.1	0,25	0,68 *0.027*	6,0 *0.236*	13 *0.512*	39,32 *1.548*	41,0 *1.614*	2,5 *0.098*	2.50X2.10	0,85 *0.033*	2	C
T32-SN01C03-1.2X0.25-41R	10139663	M1.2	0,25	0,68 *0.027*	6,0 *0.236*	13 *0.512*	39,32 *1.548*	41,1 *1.618*	2,5 *0.098*	2.50X2.10	0,95 *0.037*	2	C
T32-SN01C03-1.4X0.3-41R	10139664	M1.4	0,3	0,79 *0.031*	7,0 *0.276*	13 *0.512*	39,21 *1.544*	41,3 *1.626*	2,5 *0.098*	2.50X2.10	1,1 *0.043*	2	C

T32-SNC-micro

Fori ciechi e fori passanti – Filettature metriche grosse

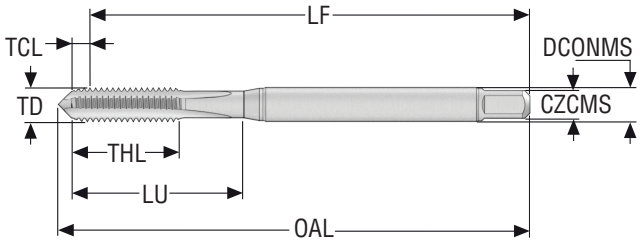


- Substrato: HSS-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C03-1.6X0.35-63R	10139665	M1.6	0,35	0,92 *0.036*	8,0 *0.315*	13 *0.512*	39,08 *1.539*	41,4 *1.630*	2,5 *0.098*	2.50X2.10	1,25 *0.049*	2	C
T32-SN01C03-1.7X0.35-63R	10139666	M1.7	0,35	0,92 *0.036*	8,0 *0.315*	13 *0.512*	39,08 *1.539*	41,5 *1.634*	2,5 *0.098*	2.50X2.10	1,35 *0.053*	2	C
T32-SN01C03-1.8X0.35-63R	10139667	M1.8	0,35	0,92 *0.036*	8,0 *0.315*	13 *0.512*	39,08 *1.539*	41,6 *1.638*	2,5 *0.098*	2.50X2.10	1,45 *0.057*	2	C
T32-SN01C03-2X0.4-63R	10139668	M2	0,4	1,13 *0.044*	10,0 *0.394*	13 *0.512*	43,87 *1.727*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,6 *0.063*	2	C
T32-SN01C03-2.2X0.45-63R	10139669	M2.2	0,45	1,24 *0.049*	10,0 *0.394*	13 *0.512*	43,76 *1.723*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,75 *0.069*	2	C
T32-SN01C03-2.3X0.4-63R	10139670	M2.3	0,4	1,13 *0.044*	10,0 *0.394*	13 *0.512*	43,87 *1.727*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,9 *0.075*	2	C
T32-SN01C03-2.5X0.45-63R	10139672	M2.5	0,45	1,24 *0.049*	9,0 *0.354*	14 *0.551*	48,76 *1.920*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,05 *0.081*	2	C
T32-SN01C03-2.6X0.45-63R	10139673	M2.6	0,45	1,24 *0.049*	9,0 *0.354*	14 *0.551*	48,76 *1.920*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,15 *0.085*	2	C

T32-SNC

Fori ciechi e fori passanti – Filettature metriche grosse

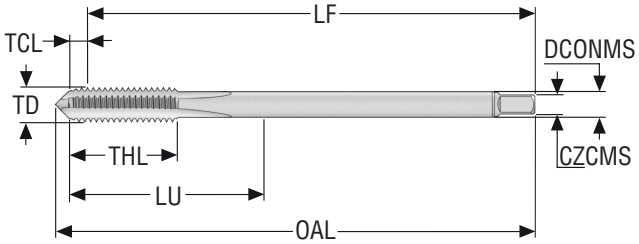


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C03-3X0.5-63R	10139674	M3	0,5	1,1 *0.043*	10,0 *0.394*	18 *0.709*	54,9 *2.161*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-SN01C03-3.5X0.6-63R	10139675	M3.5	0,6	1,28 *0.050*	12,0 *0.472*	20 *0.787*	54,72 *2.154*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	C
T32-SN01C03-4X0.7-63R	10139676	M4	0,7	1,61 *0.063*	12,0 *0.472*	21 *0.827*	61,39 *2.417*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-SN01C03-4.5X0.75-63R	10139677	M4.5	0,75	1,61 *0.063*	14,0 *0.551*	25 *0.984*	68,39 *2.693*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	C
T32-SN01C03-5X0.8-63R	10139678	M5	0,8	1,78 *0.070*	14,0 *0.551*	25 *0.984*	68,22 *2.686*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-SN01C03-6X1-63R	10139679	M6	1,0	2,14 *0.084*	18,0 *0.709*	30 *1.181*	77,86 *3.065*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T32-SN01C03-7X1-63R	10139680	M7	1,0	2,14 *0.084*	18,0 *0.709*	30 *1.181*	77,86 *3.065*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	C
T32-SN01C03-8X1.25-63R	10139681	M8	1,25	2,94 *0.116*	20,0 *0.787*	35 *1.378*	87,06 *3.428*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T32-SN01C03-9X1.25-63R	10139682	M9	1,25	2,94 *0.116*	20,0 *0.787*	35 *1.378*	87,06 *3.428*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	C
T32-SN01C03-10X1.5-63R	10139683	M10	1,5	3,55 *0.140*	20,0 *0.787*	39 *1.535*	96,45 *3.797*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-SNC

Fori ciechi e fori passanti – Filettature metriche grosse

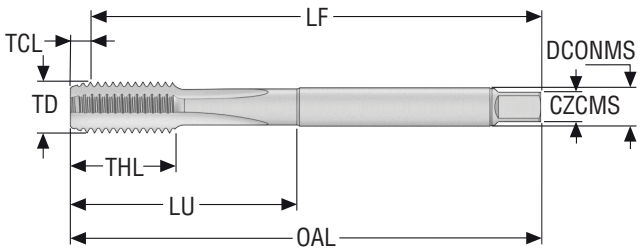


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C06-3X0.5-63R	10139694	M3	0,5	1,1 *0.043*	11,0 *0.433*	36 *1.417*	54,9 *2.161*	57,2 *2.252*	2,2 *0.087*	2.20X1.80	2,5 *0.098*	3	C
T32-SN01C06-4X0.7-63R	10139696	M4	0,7	1,61 *0.063*	12,0 *0.472*	43 *1.693*	61,39 *2.417*	64,6 *2.543*	2,8 *0.110*	2.80X2.10	3,3 *0.130*	3	C
T32-SN01C06-5X0.8-63R	10139697	M5	0,8	1,78 *0.070*	14,0 *0.551*	49 *1.929*	68,22 *2.686*	72,0 *2.835*	3,5 *0.138*	3.50X2.70	4,2 *0.165*	3	C
T32-SN01C06-6X1-63R	10139698	M6	1,0	2,14 *0.084*	18,0 *0.709*	59 *2.323*	77,86 *3.065*	82,4 *3.244*	4,5 *0.177*	4.50X3.40	5,0 *0.197*	3	C

T32-SNC

Fori ciechi e fori passanti – Filettature metriche grosse

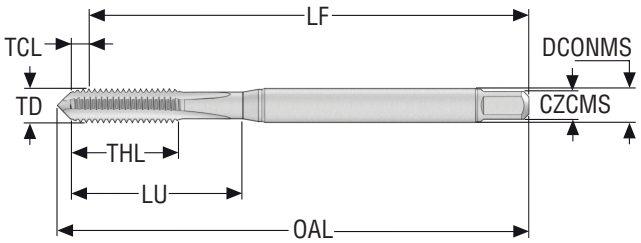


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C06-8X1.25-63R	10139700	M8	1,25	2,94 *0.116*	20,0 *0.787*	67 *2.638*	87,06 *3.428*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	6,8 *0.268*	3	C
T32-SN01C06-10X1.5-63R	10139702	M10	1,5	3,55 *0.140*	20,0 *0.787*	77 *3.031*	96,45 *3.797*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,5 *0.335*	3	C
T32-SN01C06-12X1.75-63R	10139703	M12	1,75	4,17 *0.164*	24,0 *0.945*	83 *3.268*	105,83 *4.167*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-SN01C06-14X2-63R	10139704	M14	2,0	4,78 *0.188*	25,0 *0.984*	81 *3.189*	105,22 *4.143*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	4	C
T32-SN01C06-16X2-63R	10139705	M16	2,0	4,88 *0.192*	32,0 *1.260*	68 *2.677*	105,12 *4.139*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C
T32-SN01C06-18X2.5-63R	10139706	M18	2,5	5,97 *0.235*	32,0 *1.260*	81 *3.189*	119,03 *4.686*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	15,5 *0.610*	4	C
T32-SN01C06-20X2.5-63R	10139707	M20	2,5	6,17 *0.243*	32,0 *1.260*	95 *3.740*	133,83 *5.269*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C
T32-SN01C06-22X2.5-63R	10139708	M22	2,5	6,17 *0.243*	32,0 *1.260*	93 *3.661*	133,83 *5.269*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	C
T32-SN01C06-24X3-63R	10139709	M24	3,0	7,4 *0.291*	38,0 *1.496*	113 *4.449*	152,6 *6.008*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T32-SN01C06-27X3-63R	10139710	M27	3,0	7,4 *0.291*	38,0 *1.496*	97 *3.819*	152,6 *6.008*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	24,0 *0.945*	4	C
T32-SN01C06-30X3.5-63R	10139711	M30	3,5	8,4 *0.331*	45,0 *1.772*	115 *4.528*	171,6 *6.756*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	C
T32-SN01C06-33X3.5-63R	10139712	M33	3,5	8,4 *0.331*	45,0 *1.772*	113 *4.449*	171,6 *6.756*	180,0 *7.087*	25,0 *0.984*	25.00X20.00	29,5 *1.161*	4	C
T32-SN01C06-36X4-63R	10139713	M36	4,0	9,4 *0.370*	50,0 *1.969*	131 *5.157*	190,6 *7.504*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	32,0 *1.260*	4	C
T32-SN01C06-39X4-63R	10139714	M39	4,0	9,4 *0.370*	50,0 *1.969*	102 *4.016*	190,6 *7.504*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	35,0 *1.378*	4	C
T32-SN01C06-42X4.5-63R	10139715	M42	4,5	10,4 *0.409*	60,0 *2.362*	102 *4.016*	189,6 *7.465*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	37,5 *1.476*	5	C
T32-SN01C06-45X4.5-63R	10139716	M45	4,5	10,42 *0.410*	60,0 *2.362*	117 *4.606*	209,58 *8.251*	220,0 *8.661*	36,0 *1.417*	36.00X29.00	40,5 *1.594*	5	C
T32-SN01C06-48X5-63R	10139717	M48	5,0	11,4 *0.449*	65,0 *2.559*	147 *5.787*	238,6 *9.394*	250,0 *9.843*	36,0 *1.417*	36.00X29.00	43,0 *1.693*	5	C
T32-SN01C06-52X5-63R	10139718	M52	5,0	11,4 *0.449*	65,0 *2.559*	120 *4.724*	238,6 *9.394*	250,0 *9.843*	40,0 *1.575*	40.00X32.00	47,0 *1.850*	5	C

T32-SNC

Fori ciechi e fori passanti – Filettature metriche grosse, filettatura sinistra

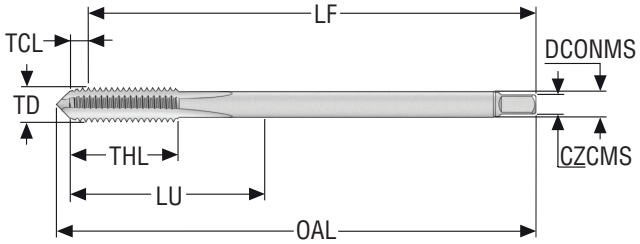


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C03-3X0.5-63L	10139686	M3	0,5	1,1 *0.043*	10,0 *0.394*	18 *0.709*	54,9 *2.161*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-SN01C03-4X0.7-63L	10139687	M4	0,7	1,61 *0.063*	12,0 *0.472*	21 *0.827*	61,39 *2.417*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-SN01C03-5X0.8-63L	10139688	M5	0,8	1,78 *0.070*	14,0 *0.551*	25 *0.984*	68,22 *2.686*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-SN01C03-6X1-63L	10139689	M6	1,0	2,14 *0.084*	18,0 *0.709*	30 *1.181*	77,86 *3.065*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T32-SN01C03-7X1-63L	10139690	M7	1,0	2,14 *0.084*	18,0 *0.709*	30 *1.181*	77,86 *3.065*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	C
T32-SN01C03-8X1.25-63L	10139691	M8	1,25	2,94 *0.116*	20,0 *0.787*	35 *1.378*	87,06 *3.428*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T32-SN01C03-9X1.25-63L	10139692	M9	1,25	2,94 *0.116*	20,0 *0.787*	35 *1.378*	87,06 *3.428*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	C
T32-SN01C03-10X1.5-63L	10139693	M10	1,5	3,55 *0.140*	20,0 *0.787*	39 *1.535*	96,45 *3.797*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-SNC

Fori ciechi e fori passanti – Filettature metriche grosse, filettatura sinistra

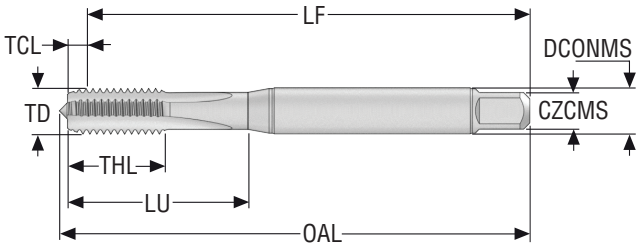


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN01C06-12X1.75-63L	10139751	M12	1,75	4,17 *0.164*	24,0 *0.945*	83 *3.268*	105,83 *4.167*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-SN01C06-16X2-63L	10139752	M16	2,0	4,88 *0.192*	32,0 *1.260*	68 *2.677*	105,12 *4.139*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C
T32-SN01C06-20X2.5-63L	10139753	M20	2,5	6,17 *0.243*	32,0 *1.260*	95 *3.740*	133,83 *5.269*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C
T32-SN01C06-24X3-63L	10139754	M24	3,0	7,4 *0.291*	38,0 *1.496*	113 *4.449*	152,6 *6.008*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C

T32-SNC

Fori ciechi e fori passanti – Filettature MF

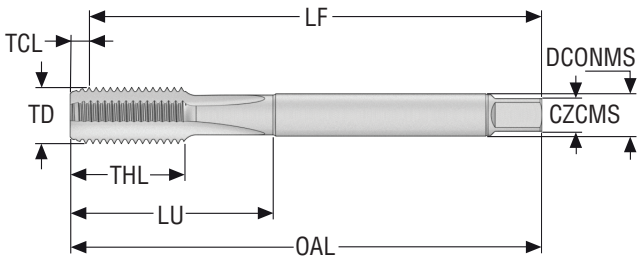


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN02C03-8X1-63R	10139684	MF8X1.0	1,0	2,44 *0.096*	20,0 *0.787*	35 *1.378*	87,56 *3.447*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	C
T32-SN02C03-10X1-63R	10139685	MF10X1.0	1,0	2,54 *0.100*	20,0 *0.787*	35 *1.378*	87,46 *3.443*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	C

T32-SNC

Fori ciechi e fori passanti – Filettature MF



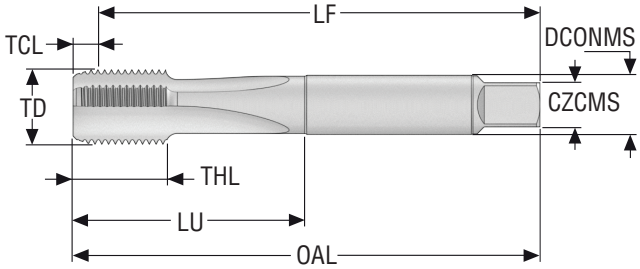
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN02C05-8X1-63R	10139719	MF8X1.0	1,0	2,44 *0.096*	20,0 *0.787*	67 *2.638*	87,56 *3.447*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	C
T32-SN02C05-10X0.75-63R	10139720	MF10X0.75	0,75	3,43 *0.135*	18,0 *0.709*	67 *2.638*	86,57 *3.408*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,2 *0.362*	3	C
T32-SN02C05-10X1-63R	10139721	MF10X1.0	1,0	2,54 *0.100*	20,0 *0.787*	67 *2.638*	87,46 *3.443*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	C
T32-SN02C05-10X1.25-63R	10139722	MF10X1.25	1,25	3,04 *0.120*	20,0 *0.787*	77 *3.031*	96,96 *3.817*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	C
T32-SN02C05-12X1-63R	10139723	MF12X1.0	1,0	2,65 *0.104*	20,0 *0.787*	73 *2.874*	97,35 *3.833*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,0 *0.433*	3	C
T32-SN02C05-12X1.25-63R	10139724	MF12X1.25	1,25	3,16 *0.124*	20,0 *0.787*	73 *2.874*	96,84 *3.813*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,8 *0.425*	3	C
T32-SN02C05-12X1.5-63R	10139725	MF12X1.5	1,5	3,66 *0.144*	20,0 *0.787*	73 *2.874*	96,34 *3.793*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	C
T32-SN02C05-14X1-63R	10139726	MF14X1.0	1,0	2,75 *0.108*	20,0 *0.787*	71 *2.795*	97,25 *3.829*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	4	C
T32-SN02C05-14X1.25-63R	10139727	MF14X1.25	1,25	3,26 *0.128*	20,0 *0.787*	71 *2.795*	96,74 *3.809*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,8 *0.504*	4	C
T32-SN02C05-14X1.5-63R	10139728	MF14X1.5	1,5	3,76 *0.148*	20,0 *0.787*	71 *2.795*	96,24 *3.789*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	C
T32-SN02C05-16X1-63R	10139729	MF16X1.0	1,0	2,85 *0.112*	20,0 *0.787*	58 *2.283*	97,15 *3.825*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,0 *0.591*	4	C
T32-SN02C05-16X1.5-63R	10139730	MF16X1.5	1,5	3,86 *0.152*	20,0 *0.787*	58 *2.283*	96,14 *3.785*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C
T32-SN02C05-18X1.5-63R	10139731	MF18X1.5	1,5	3,96 *0.156*	24,0 *0.945*	66 *2.598*	106,04 *4.175*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	C
T32-SN02C05-18X2-63R	10139732	MF18X2.0	2,0	4,98 *0.196*	27,0 *1.063*	81 *3.189*	120,02 *4.725*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,0 *0.630*	4	C
T32-SN02C05-20X1.5-63R	10139733	MF20X1.5	1,5	4,16 *0.164*	24,0 *0.945*	80 *3.150*	120,84 *4.757*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	18,5 *0.728*	4	C
T32-SN02C05-20X2-63R	10139734	MF20X2.0	2,0	5,18 *0.204*	27,0 *1.063*	95 *3.740*	134,82 *5.308*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,0 *0.709*	4	C
T32-SN02C05-22X1.5-63R	10139735	MF22X1.5	1,5	4,16 *0.164*	24,0 *0.945*	78 *3.071*	120,84 *4.757*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	C
T32-SN02C05-22X2-63R	10139736	MF22X2.0	2,0	5,18 *0.204*	27,0 *1.063*	93 *3.661*	134,82 *5.308*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	20,0 *0.787*	4	C
T32-SN02C05-24X1.5-63R	10139737	MF24X1.5	1,5	3,88 *0.153*	27,0 *1.063*	93 *3.661*	136,12 *5.359*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,5 *0.886*	4	C
T32-SN02C05-24X2-63R	10139738	MF24X2.0	2,0	4,89 *0.193*	27,0 *1.063*	93 *3.661*	135,11 *5.319*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,0 *0.866*	4	C
T32-SN02C05-27X1.5-63R	10139739	MF27X1.5	1,5	4,38 *0.172*	27,0 *1.063*	77 *3.031*	135,62 *5.339*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,5 *1.004*	4	C

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN02C05-27X2-63R	10139740	MF27X2.0	2,0	5,39 *0.212*	27,0 *1.063*	77 *3.031*	134,61 *5.300*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,0 *0.984*	4	C
T32-SN02C05-30X1.5-63R	10139741	MF30X1.5	1,5	4,38 *0.172*	27,0 *1.063*	85 *3.346*	145,62 *5.733*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,5 *1.122*	4	C
T32-SN02C05-30X2-63R	10139742	MF30X1.0	2,0	5,39 *0.212*	27,0 *1.063*	85 *3.346*	144,61 *5.693*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,0 *1.102*	4	C

T32-SNC

Fori ciechi e fori passanti – Filettature G

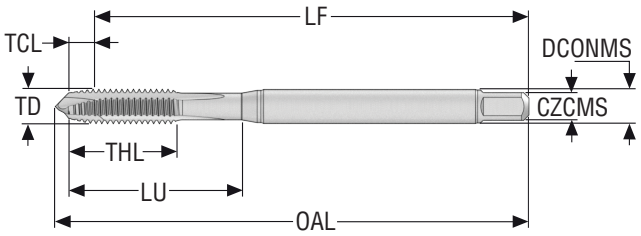


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-SN21C09-1/8-28-11R	10139743	G1/8-28	9,728 *0.383*	*28.0*	2,43 *0.096*	18,0 *0.709*	67 *2.638*	87,57 *3.448*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	C
T32-SN21C09-1/4-19-11R	10139744	G1/4-19	13,157 *0.518*	*19.0*	3,52 *0.139*	22,0 *0.866*	71 *2.795*	96,48 *3.798*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	11,8 *0.465*	4	C
T32-SN21C09-3/8-19-11R	10139745	G3/8-19	16,662 *0.656*	*19.0*	3,72 *0.146*	22,0 *0.866*	58 *2.283*	96,28 *3.791*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	4	C
T32-SN21C09-1/2-14-11R	10139746	G1/2-14	20,955 *0.825*	*14.0*	5,02 *0.198*	25,0 *0.984*	80 *3.150*	119,98 *4.724*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,0 *0.748*	4	C
T32-SN21C09-5/8-14-11R	10139747	G5/8-14	22,911 *0.902*	*14.0*	4,94 *0.194*	25,0 *0.984*	78 *3.071*	120,06 *4.727*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T32-SN21C09-3/4-14-11R	10139748	G3/4-14	26,441 *1.041*	*14.0*	5,19 *0.204*	28,0 *1.102*	77 *3.031*	134,81 *5.307*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	24,5 *0.965*	4	C
T32-SN21C09-7/8-14-11R	10139749	G7/8-14	30,201 *1.189*	*14.0*	5,13 *0.202*	30,0 *1.181*	85 *3.346*	144,87 *5.704*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,25 *1.112*	4	C
T32-SN21C09-1-11-11R	10139750	G1-11	33,249 *1.309*	*11.0*	6,03 *0.237*	32,0 *1.260*	93 *3.661*	153,97 *6.062*	160,0 *6.299*	25,0 *0.984*	25.00X20.00	30,75 *1.211*	4	C

T32-PNB-micro

Fori passanti – Filettature metriche grosse

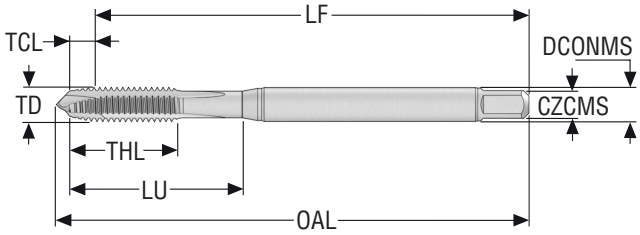


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 4H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B03-1X0.25-41R	10139427	M1	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	40,9 *1.610*	2,5 *0.098*	2.50X2.10	0,75 *0.030*	2	B
T32-PN01B03-1.1X0.25-41R	10139428	M1.1	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	41,0 *1.614*	2,5 *0.098*	2.50X2.10	0,85 *0.033*	2	B
T32-PN01B03-1.2X0.25-41R	10139429	M1.2	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	41,1 *1.618*	2,5 *0.098*	2.50X2.10	0,95 *0.037*	2	B
T32-PN01B03-1.4X0.3-41R	10139430	M1.4	0,3	1,32 *0.052*	7,0 *0.276*	13 *0.512*	38,68 *1.523*	41,3 *1.626*	2,5 *0.098*	2.50X2.10	1,1 *0.043*	2	B

T32-PNB-micro

Fori passanti – Filettature metriche grosse

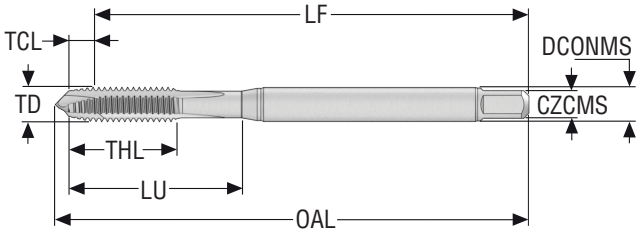


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B03-1.6X0.35-63R	10139431	M1.6	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,4 *1.630*	2,5 *0.098*	2.50X2.10	1,25 *0.049*	2	B
T32-PN01B03-1.7X0.35-63R	10139432	M1.7	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,5 *1.634*	2,5 *0.098*	2.50X2.10	1,35 *0.053*	2	B
T32-PN01B03-1.8X0.35-63R	10139433	M1.8	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,6 *1.638*	2,5 *0.098*	2.50X2.10	1,45 *0.057*	2	B
T32-PN01B03-2X0.4-63R	10139434	M2	0,4	1,89 *0.074*	10,0 *0.394*	13 *0.512*	43,11 *1.697*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,6 *0.063*	2	B
T32-PN01B03-2.2X0.45-63R	10139435	M2.2	0,45	2,07 *0.081*	10,0 *0.394*	13 *0.512*	42,93 *1.690*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,75 *0.069*	2	B
T32-PN01B03-2.3X0.4-63R	10139436	M2.3	0,4	1,89 *0.074*	10,0 *0.394*	13 *0.512*	43,11 *1.697*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,9 *0.075*	2	B
T32-PN01B03-2.5X0.45-63R	10139437	M2.5	0,45	2,07 *0.081*	9,0 *0.354*	14 *0.551*	47,93 *1.887*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,05 *0.081*	2	B
T32-PN01B03-2.6X0.45-63R	10139438	M2.6	0,45	2,07 *0.081*	9,0 *0.354*	14 *0.551*	47,93 *1.887*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,15 *0.085*	2	B

T32-PNB

Fori passanti – Filettature metriche grosse

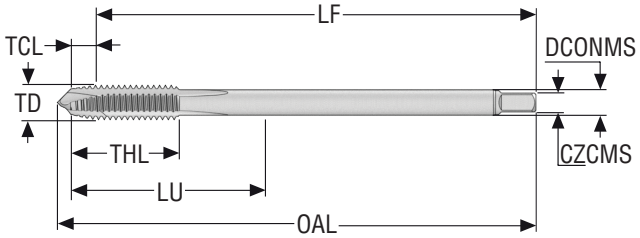


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B03-3X0.5-63R	10139439	M3	0,5	2,28 *0.090*	10,0 *0.394*	18 *0.709*	53,72 *2.115*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	B
T32-PN01B03-3.5X0.6-63R	10139440	M3.5	0,6	2,65 *0.104*	12,0 *0.472*	20 *0.787*	53,35 *2.100*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	B
T32-PN01B03-4X0.7-63R	10139441	M4	0,7	3,33 *0.131*	12,0 *0.472*	21 *0.827*	59,67 *2.349*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	B
T32-PN01B03-4.5X0.75-63R	10139442	M4.5	0,75	3,33 *0.131*	14,0 *0.551*	25 *0.984*	66,67 *2.625*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	B
T32-PN01B03-5X0.8-63R	10139443	M5	0,8	3,68 *0.145*	14,0 *0.551*	25 *0.984*	66,32 *2.611*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T32-PN01B03-6X1-63R	10139444	M6	1,0	4,41 *0.174*	18,0 *0.709*	30 *1.181*	75,59 *2.976*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B
T32-PN01B03-7X1-63R	10139445	M7	1,0	4,41 *0.174*	18,0 *0.709*	30 *1.181*	75,59 *2.976*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	B
T32-PN01B03-8X1.25-63R	10139446	M8	1,25	5,43 *0.214*	20,0 *0.787*	35 *1.378*	84,57 *3.330*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	B
T32-PN01B03-9X1.25-63R	10139447	M9	1,25	5,7 *0.224*	20,0 *0.787*	35 *1.378*	84,3 *3.319*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	B
T32-PN01B03-10X1.5-63R	10139448	M10	1,5	6,84 *0.269*	20,0 *0.787*	39 *1.535*	93,16 *3.668*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse

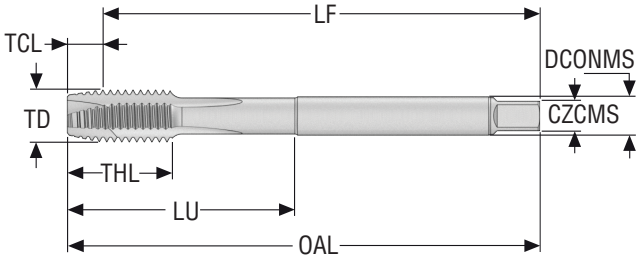


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B06-3X0.5-63R	10139482	M3	0,5	2,2 *0.087*	11,0 *0.433*	36 *1.417*	53,8 *2.118*	57,2 *2.252*	2,2 *0.087*	2.20X1.80	2,5 *0.098*	3	B
T32-PN01B06-4X0.7-63R	10139484	M4	0,7	3,3 *0.130*	12,0 *0.472*	43 *1.693*	59,7 *2.350*	64,6 *2.543*	2,8 *0.110*	2.80X2.10	3,3 *0.130*	3	B
T32-PN01B06-5X0.8-63R	10139485	M5	0,8	3,6 *0.142*	14,0 *0.551*	49 *1.929*	66,4 *2.614*	72,0 *2.835*	3,5 *0.138*	3.50X2.70	4,2 *0.165*	3	B
T32-PN01B06-6X1-63R	10139486	M6	1,0	4,4 *0.173*	18,0 *0.709*	59 *2.323*	75,6 *2.976*	82,4 *3.244*	4,5 *0.177*	4.50X3.40	5,0 *0.197*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse

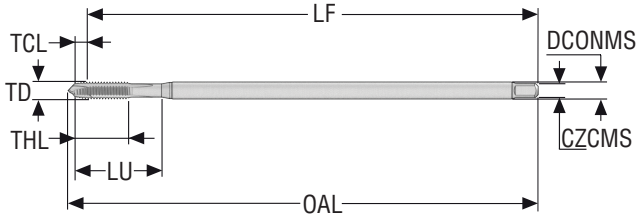


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B06-8X1.25-63R	10139488	M8	1,25	5,7 *0.224*	20,0 *0.787*	67 *2.638*	84,3 *3.319*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	6,8 *0.268*	3	B
T32-PN01B06-9X1.25-63R	10139489	M9	1,25	5,7 *0.224*	20,0 *0.787*	67 *2.638*	84,3 *3.319*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	7,8 *0.307*	3	B
T32-PN01B06-10X1.5-63R	10139490	M10	1,5	6,84 *0.269*	20,0 *0.787*	77 *3.031*	93,16 *3.668*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,5 *0.335*	3	B
T32-PN01B06-12X1.75-63R	10139491	M12	1,75	8,01 *0.315*	24,0 *0.945*	83 *3.268*	101,99 *4.015*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T32-PN01B06-14X2-63R	10139492	M14	2,0	9,14 *0.360*	25,0 *0.984*	81 *3.189*	100,86 *3.971*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	3	B
T32-PN01B06-16X2-63R	10139493	M16	2,0	9,24 *0.364*	32,0 *1.260*	68 *2.677*	100,76 *3.967*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	3	B
T32-PN01B06-18X2.5-63R	10139494	M18	2,5	11,38 *0.448*	32,0 *1.260*	81 *3.189*	113,62 *4.473*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	15,5 *0.610*	4	B
T32-PN01B06-20X2.5-63R	10139495	M20	2,5	11,58 *0.456*	32,0 *1.260*	95 *3.740*	128,42 *5.056*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	B
T32-PN01B06-22X2.5-63R	10139496	M22	2,5	11,78 *0.464*	32,0 *1.260*	93 *3.661*	128,22 *5.048*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	B
T32-PN01B06-24X3-63R	10139497	M24	3,0	13,68 *0.539*	38,0 *1.496*	113 *4.449*	146,32 *5.761*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B
T32-PN01B06-27X3-63R	10139498	M27	3,0	13,88 *0.546*	38,0 *1.496*	97 *3.819*	146,12 *5.753*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	24,0 *0.945*	4	B
T32-PN01B06-30X3.5-63R	10139499	M30	3,5	15,93 *0.627*	45,0 *1.772*	115 *4.528*	164,07 *6.459*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	B
T32-PN01B06-33X3.5-63R	10139500	M33	3,5	15,93 *0.627*	45,0 *1.772*	113 *4.449*	164,07 *6.459*	180,0 *7.087*	25,0 *0.984*	25.00X20.00	29,5 *1.161*	4	B
T32-PN01B06-36X4-63R	10139501	M36	4,0	17,97 *0.707*	50,0 *1.969*	131 *5.157*	182,03 *7.167*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	32,0 *1.260*	4	B
T32-PN01B06-39X4-63R	10139502	M39	4,0	17,97 *0.707*	50,0 *1.969*	102 *4.016*	182,03 *7.167*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	35,0 *1.378*	4	B
T32-PN01B06-42X4.5-63R	10139503	M42	4,5	20,02 *0.788*	60,0 *2.362*	102 *4.016*	179,98 *7.086*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	37,5 *1.476*	5	B
T32-PN01B06-45X4.5-63R	10139504	M45	4,5	20,02 *0.788*	60,0 *2.362*	117 *4.606*	199,98 *7.873*	220,0 *8.661*	36,0 *1.417*	36.00X29.00	40,5 *1.594*	5	B
T32-PN01B06-48X5-63R	10139505	M48	5,0	22,07 *0.869*	65,0 *2.559*	147 *5.787*	227,93 *8.974*	250,0 *9.843*	36,0 *1.417*	36.00X29.00	43,0 *1.693*	5	B
T32-PN01B06-52X5-63R	10139506	M52	5,0	22,07 *0.869*	65,0 *2.559*	120 *4.724*	227,93 *8.974*	250,0 *9.843*	40,0 *1.575*	40.00X32.00	47,0 *1.850*	5	B

T32-PNB

Fori passanti – Filettature metriche grosse

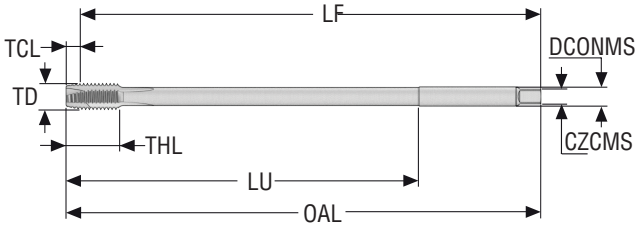


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371/EL
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B04-3X0.5-63R	10139652	M3	0,5	2,28 *0.090*	10,0 *0.394*	18 *0.709*	97,72 *3.847*	101,2 *3.984*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	B
T32-PN01B04-4X0.7-63R	10139653	M4	0,7	3,33 *0.131*	12,0 *0.472*	21 *0.827*	121,67 *4.790*	126,6 *4.984*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	B
T32-PN01B04-5X0.8-63R	10139654	M5	0,8	3,68 *0.145*	14,0 *0.551*	25 *0.984*	136,32 *5.367*	142,0 *5.591*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T32-PN01B04-6X1-63R	10139655	M6	1,0	4,41 *0.174*	18,0 *0.709*	30 *1.181*	155,59 *6.126*	162,4 *6.394*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse

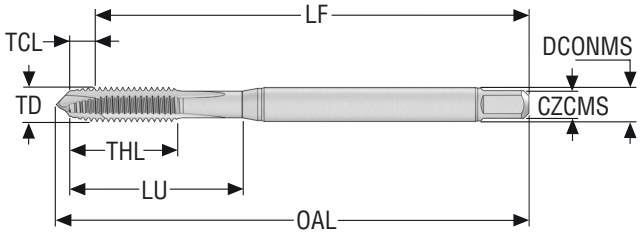


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376/EL
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B07-8X1.25-63R	10139656	M8	1,25	5,7 *0.224*	20,0 *0.787*	157 *6.181*	174,3 *6.862*	180,0 *7.087*	6,0 *0.236*	6.00X4.90	6,8 *0.268*	3	B
T32-PN01B07-10X1.5-63R	10139657	M10	1,5	6,84 *0.269*	20,0 *0.787*	177 *6.969*	193,16 *7.605*	200,0 *7.874*	7,0 *0.276*	7.00X5.50	8,5 *0.335*	3	B
T32-PN01B07-12X1.75-63R	10139658	M12	1,75	8,01 *0.315*	24,0 *0.945*	83 *3.268*	211,99 *8.346*	220,0 *8.661*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T32-PN01B07-16X2-63R	10139659	M16	2,0	9,24 *0.364*	32,0 *1.260*	191 *7.520*	210,76 *8.298*	220,0 *8.661*	11,0 *0.433*	11.00X9.00	14,0 *0.551*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse, 6G

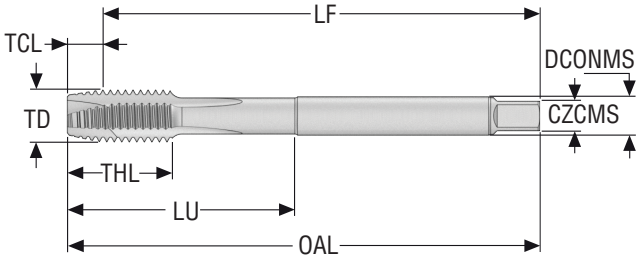


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6G
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B03-3X0.5-61R	10139474	M3	0,5	2,28 *0.090*	10,0 *0.394*	18 *0.709*	53,72 *2.115*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	B
T32-PN01B03-4X0.7-61R	10139475	M4	0,7	3,33 *0.131*	12,0 *0.472*	21 *0.827*	59,67 *2.349*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	B
T32-PN01B03-5X0.8-61R	10139476	M5	0,8	3,68 *0.145*	14,0 *0.551*	25 *0.984*	66,32 *2.611*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T32-PN01B03-6X1-61R	10139477	M6	1,0	4,41 *0.174*	18,0 *0.709*	30 *1.181*	75,59 *2.976*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B
T32-PN01B03-7X1-61R	10139478	M7	1,0	4,41 *0.174*	18,0 *0.709*	30 *1.181*	75,59 *2.976*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	B
T32-PN01B03-8X1.25-61R	10139479	M8	1,25	5,43 *0.214*	20,0 *0.787*	35 *1.378*	84,57 *3.330*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	B
T32-PN01B03-9X1.25-61R	10139480	M9	1,25	5,7 *0.224*	20,0 *0.787*	35 *1.378*	84,3 *3.319*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	B
T32-PN01B03-10X1.5-61R	10139481	M10	1,5	6,84 *0.269*	20,0 *0.787*	39 *1.535*	93,16 *3.668*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse, 6G

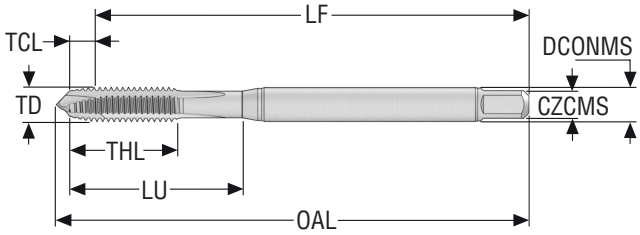


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6G
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B06-12X1.75-61R	10139564	M12	1,75	8,01 *0.315*	24,0 *0.945*	83 *3.268*	101,99 *4.015*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T32-PN01B06-16X2-61R	10139565	M16	2,0	9,24 *0.364*	32,0 *1.260*	68 *2.677*	100,76 *3.967*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	3	B
T32-PN01B06-20X2.5-61R	10139566	M20	2,5	11,58 *0.456*	32,0 *1.260*	95 *3.740*	128,42 *5.056*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	B
T32-PN01B06-24X3-61R	10139567	M24	3,0	13,68 *0.539*	38,0 *1.496*	113 *4.449*	146,32 *5.761*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B

T32-PNB

Fori passanti – Filettature metriche grosse, filettatura sinistra

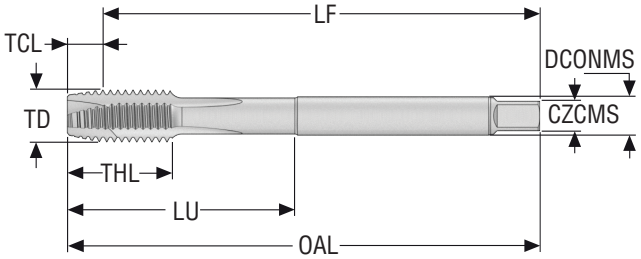


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B03-3X0.5-63L	10139466	M3	0,5	2,2 *0.087*	10,0 *0.394*	18 *0.709*	53,8 *2.118*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	B
T32-PN01B03-4X0.7-63L	10139467	M4	0,7	3,3 *0.130*	12,0 *0.472*	21 *0.827*	59,7 *2.350*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	B
T32-PN01B03-5X0.8-63L	10139468	M5	0,8	3,6 *0.142*	14,0 *0.551*	25 *0.984*	66,4 *2.614*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T32-PN01B03-6X1-63L	10139469	M6	1,0	4,4 *0.173*	18,0 *0.709*	30 *1.181*	75,6 *2.976*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B
T32-PN01B03-7X1-63L	10139470	M7	1,0	4,4 *0.173*	18,0 *0.709*	30 *1.181*	75,6 *2.976*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	B
T32-PN01B03-8X1.25-63L	10139471	M8	1,25	5,4 *0.213*	20,0 *0.787*	35 *1.378*	84,6 *3.331*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	B
T32-PN01B03-9X1.25-63L	10139472	M9	1,25	5,7 *0.224*	20,0 *0.787*	35 *1.378*	84,3 *3.319*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	B
T32-PN01B03-10X1.5-63L	10139473	M10	1,5	6,8 *0.268*	20,0 *0.787*	39 *1.535*	93,2 *3.669*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T32-PNB

Fori passanti – Filettature metriche grosse, filettatura sinistra

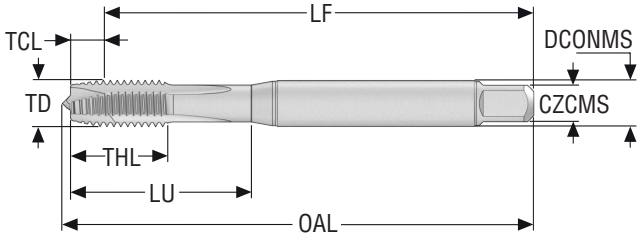


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN01B06-12X1.75-63L	10139560	M12	1,75	8,01 *0.315*	24,0 *0.945*	83 *3.268*	101,99 *4.015*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T32-PN01B06-16X2-63L	10139561	M16	2,0	9,24 *0.364*	32,0 *1.260*	68 *2.677*	100,76 *3.967*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	3	B
T32-PN01B06-20X2.5-63L	10139562	M20	2,5	11,58 *0.456*	32,0 *1.260*	95 *3.740*	128,42 *5.056*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	B
T32-PN01B06-24X3-63L	10139563	M24	3,0	13,68 *0.539*	38,0 *1.496*	113 *4.449*	146,32 *5.761*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B

T32-PNB

Fori passanti – Filettature MF

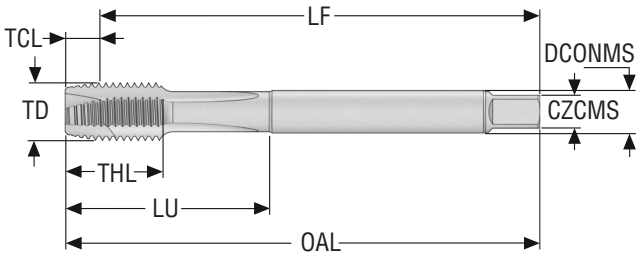


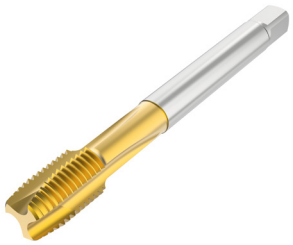
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN02B03-8X1-63R	10139449	MF8X1.0	1,0	4,41 *0.174*	20,0 *0.787*	35 *1.378*	85,59 *3.370*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	B
T32-PN02B03-10X1-63R	10139450	MF10X1.0	1,0	4,77 *0.188*	20,0 *0.787*	35 *1.378*	85,23 *3.356*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	B
T32-PN02B03-10X1.25-63R	10139451	MF10X1.25	1,25	5,8 *0.228*	20,0 *0.787*	39 *1.535*	94,2 *3.709*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,8 *0.346*	3	B

T32-PNB

Fori passanti – Filettature MF





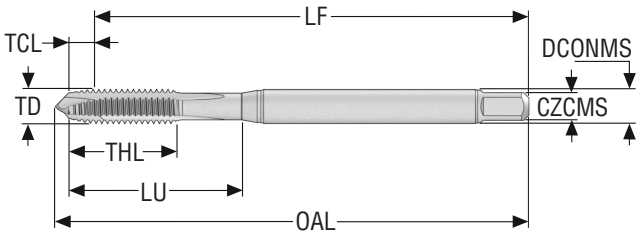
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN02B05-8X1-63R	10139507	MF8X1.0	1,0	4,67 *0.184*	20,0 *0.787*	67 *2.638*	85,33 *3.359*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	B
T32-PN02B05-10X0.75-63R	10139508	MF10X0.75	0,75	3,73 *0.147*	18,0 *0.709*	67 *2.638*	86,27 *3.396*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,2 *0.362*	3	B
T32-PN02B05-10X1-63R	10139509	MF10X1.0	1,0	4,79 *0.189*	20,0 *0.787*	67 *2.638*	85,21 *3.355*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	B
T32-PN02B05-10X1.25-63R	10139510	MF10X1.25	1,25	5,8 *0.228*	20,0 *0.787*	77 *3.031*	94,2 *3.709*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	B
T32-PN02B05-12X1-63R	10139511	MF12X1.0	1,0	4,89 *0.193*	20,0 *0.787*	73 *2.874*	95,11 *3.744*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,0 *0.433*	3	B
T32-PN02B05-12X1.25-63R	10139512	MF12X1.25	1,25	5,94 *0.234*	20,0 *0.787*	73 *2.874*	94,06 *3.703*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,8 *0.425*	3	B
T32-PN02B05-12X1.5-63R	10139513	MF12X1.5	1,5	6,97 *0.274*	20,0 *0.787*	73 *2.874*	93,03 *3.663*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	B
T32-PN02B05-14X1-63R	10139514	MF14X1.0	1,0	4,99 *0.196*	20,0 *0.787*	71 *2.795*	95,01 *3.741*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	3	B
T32-PN02B05-14X1.25-63R	10139515	MF14X1.25	1,25	6,04 *0.238*	20,0 *0.787*	71 *2.795*	93,96 *3.699*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,8 *0.504*	3	B
T32-PN02B05-14X1.5-63R	10139516	MF14X1.5	1,5	7,07 *0.278*	20,0 *0.787*	71 *2.795*	92,93 *3.659*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	3	B
T32-PN02B05-16X1-63R	10139517	MF16X1.0	1,0	5,09 *0.200*	20,0 *0.787*	58 *2.283*	94,91 *3.737*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,0 *0.591*	3	B
T32-PN02B05-16X1.5-63R	10139518	MF16X1.5	1,5	7,17 *0.282*	20,0 *0.787*	58 *2.283*	92,83 *3.655*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	3	B
T32-PN02B05-18X1.5-63R	10139519	MF18X1.5	1,5	7,27 *0.286*	24,0 *0.945*	66 *2.598*	102,73 *4.044*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	B
T32-PN02B05-18X2-63R	10139520	MF18X2.0	2,0	9,34 *0.368*	27,0 *1.063*	81 *3.189*	115,66 *4.554*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,0 *0.630*	4	B
T32-PN02B05-20X1.5-63R	10139521	MF20X1.5	1,5	7,47 *0.294*	24,0 *0.945*	80 *3.150*	117,53 *4.627*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	18,5 *0.728*	4	B
T32-PN02B05-20X2-63R	10139522	MF20X2.0	2,0	9,54 *0.376*	27,0 *1.063*	95 *3.740*	130,46 *5.136*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,0 *0.709*	4	B
T32-PN02B05-22X1.5-63R	10139523	MF22X1.5	1,5	7,67 *0.302*	24,0 *0.945*	78 *3.071*	117,33 *4.619*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	B
T32-PN02B05-22X2-63R	10139524	MF22X2.0	2,0	9,74 *0.383*	27,0 *1.063*	93 *3.661*	130,26 *5.128*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	20,0 *0.787*	4	B
T32-PN02B05-24X1.5-63R	10139525	MF24X1.5	1,5	7,5 *0.295*	27,0 *1.063*	93 *3.661*	132,5 *5.217*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,5 *0.886*	4	B
T32-PN02B05-24X2-63R	10139526	MF24X2.0	2,0	9,57 *0.377*	27,0 *1.063*	93 *3.661*	130,43 *5.135*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,0 *0.866*	4	B
T32-PN02B05-27X1.5-63R	10139527	MF27X1.5	1,5	7,7 *0.303*	27,0 *1.063*	77 *3.031*	132,3 *5.209*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,5 *1.004*	4	B

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN02B05-27X2-63R	10139528	MF27X2.0	2,0	9,77 *0.385*	27,0 *1.063*	77 *3.031*	130,23 *5.127*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,0 *0.984*	4	B
T32-PN02B05-30X1.5-63R	10139529	MF30X1.5	1,5	7,7 *0.303*	27,0 *1.063*	85 *3.346*	142,3 *5.602*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,5 *1.122*	4	B
T32-PN02B05-30X2-63R	10139530	MF30X1.0	2,0	9,77 *0.385*	27,0 *1.063*	85 *3.346*	140,23 *5.521*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,0 *1.102*	4	B

T32-PNB

Fori passanti – Filettature UNC

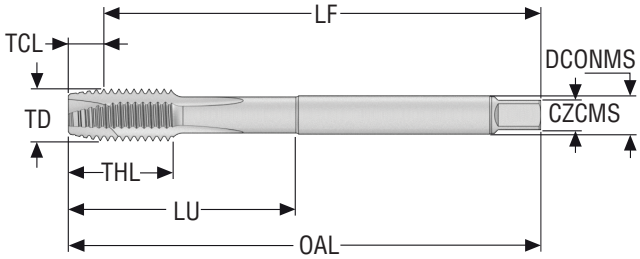


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN08B03-4-40-21R	10139452	UNC4-40	2,845 *0.112*	*40.0*	2,81 *0.111*	10,0 *0.394*	18 *0.709*	53,19 *2.094*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2.35 *0.093*	3	B
T32-PN08B03-5-40-21R	10139453	UNC5-40	3,175 *0.125*	*40.0*	2,92 *0.115*	10,0 *0.394*	18 *0.709*	53,08 *2.090*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2.65 *0.104*	3	B
T32-PN08B03-6-32-21R	10139454	UNC6-32	3,505 *0.138*	*32.0*	3,71 *0.146*	12,0 *0.472*	20 *0.787*	52,29 *2.059*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2.85 *0.112*	3	B
T32-PN08B03-8-32-21R	10139455	UNC8-32	4,166 *0.164*	*32.0*	3,59 *0.141*	12,0 *0.472*	21 *0.827*	59,41 *2.339*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3.5 *0.138*	3	B
T32-PN08B03-10-24-21R	10139456	UNC10-24	4,826 *0.190*	*24.0*	4,82 *0.190*	14,0 *0.551*	25 *0.984*	65,18 *2.566*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	3.9 *0.154*	3	B
T32-PN08B03-12-24-21R	10139457	UNC12-24	5,486 *0.216*	*24.0*	4,69 *0.185*	18,0 *0.709*	30 *1.181*	75,31 *2.965*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4.5 *0.177*	3	B
T32-PN08B03-1/4-20-21R	10139458	UNC1/4-20	6,35 *0.250*	*20.0*	5,6 *0.220*	18,0 *0.709*	32 *1.260*	74,4 *2.929*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5.1 *0.201*	3	B
T32-PN08B03-5/16-18-21R	10139459	UNC5/16-18	7,937 *0.312*	*18.0*	6,26 *0.246*	20,0 *0.787*	35 *1.378*	83,74 *3.297*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6.6 *0.260*	3	B
T32-PN08B03-3/8-16-21R	10139460	UNC3/8-16	9,525 *0.375*	*16.0*	7,28 *0.287*	20,0 *0.787*	39 *1.535*	92,72 *3.650*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8.0 *0.315*	3	B

T32-PNB

Fori passanti – Filettature UNC

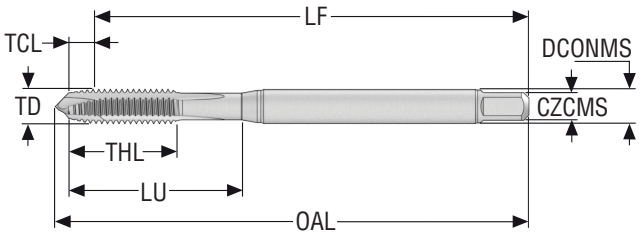


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN08B06-7/16-14-21R	10139531	UNC7/16-14	11,112 *0.437*	*14.0*	8,27 *0.326*	22,0 *0.866*	76 *2.992*	91,73 *3.611*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,3 *0.366*	3	B
T32-PN08B06-1/2-13-21R	10139540	UNC1/2-13	12,7 *0.500*	*13.0*	9,01 *0.355*	24,0 *0.945*	83 *3.268*	100,99 *3.976*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,7 *0.421*	3	B
T32-PN08B06-9/16-12-21R	10139533	UNC9/16-12	14,287 *0.562*	*12.0*	9,76 *0.384*	25,0 *0.984*	81 *3.189*	100,24 *3.946*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,3 *0.484*	3	B
T32-PN08B06-5/8-11-21R	10139534	UNC5/8-11	15,875 *0.625*	*11.0*	10,51 *0.414*	32,0 *1.260*	68 *2.677*	99,49 *3.917*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,5 *0.531*	3	B
T32-PN08B06-3/4-10-21R	10139535	UNC3/4-10	19,05 *0.750*	*10.0*	11,55 *0.455*	32,0 *1.260*	81 *3.189*	113,45 *4.467*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	B
T32-PN08B06-7/8-9-21R	10139536	UNC7/8-9	22,225 *0.875*	*9.0*	13,04 *0.513*	32,0 *1.260*	93 *3.661*	126,96 *4.998*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	B
T32-PN08B06-1-8-21R	10139537	UNC1-8	25,4 *1.000*	*8.0*	14,86 *0.585*	38,0 *1.496*	97 *3.819*	145,14 *5.714*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	22,25 *0.876*	4	B
T32-PN08B06-1_1/8-7-21R	10139756	UNC1 1/8-7	28,575 *1.125*	*7.0*	16,48 *0.649*	45,0 *1.772*	115 *4.528*	163,52 *6.438*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	25,0 *0.984*	4	B
T32-PN08B06-1_1/4-7-21R	10139538	UNC1 1/4-7	31,75 *1.250*	*7.0*	16,74 *0.659*	45,0 *1.772*	115 *4.528*	163,26 *6.428*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	28,0 *1.102*	4	B
T32-PN08B06-1_3/8-6-21R	10139532	UNC1 3/8-6	34,925 *1.375*	*6.0*	19,04 *0.750*	50,0 *1.969*	131 *5.157*	180,96 *7.124*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	30,75 *1.211*	4	B
T32-PN08B06-1_1/2-6-21R	10139539	UNC1 1/2-6	38,1 *1.500*	*6.0*	19,3 *0.760*	55,0 *2.165*	131 *5.157*	180,7 *7.114*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	34,0 *1.339*	4	B

T32-PNB

Fori passanti – Filettature UNF

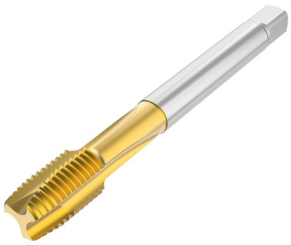


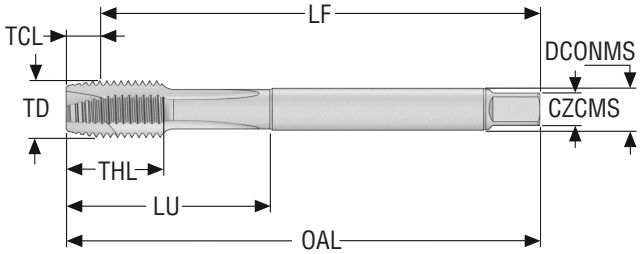
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN09B03-10-32-21R	10139461	UNF10-32	4,826 *0.190*	*32.0*	3,8 *0.150*	14,0 *0.551*	25 *0.984*	66,2 *2.606*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,1 *0.161*	3	B
T32-PN09B03-12-28-21R	10139462	UNF12-28	5,486 *0.216*	*28.0*	4,01 *0.158*	18,0 *0.709*	30 *1.181*	75,99 *2.992*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	4,6 *0.181*	3	B
T32-PN09B03-1/4-28-21R	10139463	UNF1/4-28	6,35 *0.250*	*28.0*	4,24 *0.167*	18,0 *0.709*	30 *1.181*	75,76 *2.983*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,5 *0.217*	3	B
T32-PN09B03-5/16-24-21R	10139464	UNF5/16-24	7,937 *0.312*	*24.0*	4,89 *0.193*	20,0 *0.787*	35 *1.378*	85,11 *3.351*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,9 *0.272*	3	B
T32-PN09B03-3/8-24-21R	10139465	UNF3/8-24	9,525 *0.375*	*24.0*	5,22 *0.206*	20,0 *0.787*	35 *1.378*	84,78 *3.338*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T32-PNB

Fori passanti – Filettature UNF



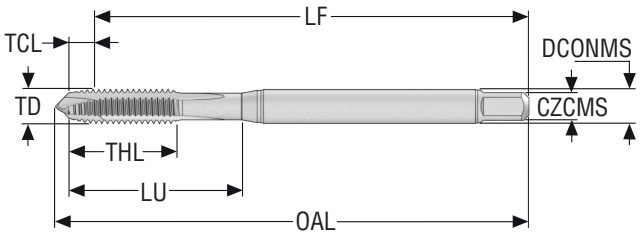


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN09B05-7/16-20-21R	10139542	UNF7/16-20	11,112 *0.437*	*20.0*	5,88 *0.231*	20,0 *0.787*	76 *2.992*	94,12 *3.706*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,9 *0.390*	3	B
T32-PN09B05-1/2-20-21R	10139551	UNF1/2-20	12,7 *0.500*	*20.0*	6,28 *0.247*	20,0 *0.787*	73 *2.874*	93,72 *3.690*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	3	B
T32-PN09B05-9/16-18-21R	10139544	UNF9/16-18	14,287 *0.562*	*18.0*	6,69 *0.263*	20,0 *0.787*	71 *2.795*	93,31 *3.674*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	3	B
T32-PN09B05-5/8-18-21R	10139545	UNF5/8-18	15,875 *0.625*	*18.0*	6,76 *0.266*	20,0 *0.787*	58 *2.283*	93,24 *3.671*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	3	B
T32-PN09B05-3/4-16-21R	10139546	UNF3/4-16	19,05 *0.750*	*16.0*	7,81 *0.307*	24,0 *0.945*	66 *2.598*	102,19 *4.023*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	17,5 *0.689*	4	B
T32-PN09B05-7/8-14-21R	10139547	UNF7/8-14	22,225 *0.875*	*14.0*	8,96 *0.353*	24,0 *0.945*	78 *3.071*	116,04 *4.569*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	B
T32-PN09B05-1-12-21R	10139548	UNF1-12	25,4 *1.000*	*12.0*	10,44 *0.411*	27,0 *1.063*	93 *3.661*	129,56 *5.101*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	23,3 *0.917*	4	B
T32-PN09B05-1_1/8-12-21R	10139757	UNF1 1/8-12	28,575 *1.125*	*12.0*	10,37 *0.408*	27,0 *1.063*	85 *3.346*	139,63 *5.497*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	B
T32-PN09B05-1_1/4-12-21R	10139549	UNF1 1/4-12	31,75 *1.250*	*12.0*	10,29 *0.405*	27,0 *1.063*	85 *3.346*	139,71 *5.500*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	29,5 *1.161*	4	B
T32-PN09B05-1_3/8-12-21R	10139543	UNF1 3/8-12	34,925 *1.375*	*12.0*	10,55 *0.415*	30,0 *1.181*	101 *3.976*	159,45 *6.278*	170,0 *6.693*	28,0 *1.102*	28.00X22.00	32,8 *1.291*	4	B
T32-PN09B05-1_1/2-12-21R	10139550	UNF1 1/2-12	38,1 *1.500*	*12.0*	10,48 *0.413*	30,0 *1.181*	101 *3.976*	159,52 *6.280*	170,0 *6.693*	28,0 *1.102*	28.00X22.00	36,0 *1.417*	4	B

T32-PNB

Fori passanti – Filettature G

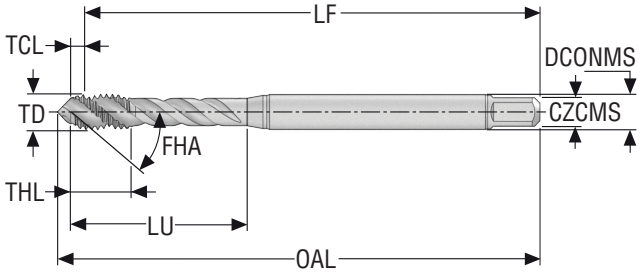


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-PN21B09-1/8-28-11R	10139552	G1/8-28	9,728 *0.383*	*28.0*	4,76 *0.187*	18,0 *0.709*	67 *2.638*	85,24 *3.356*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	B
T32-PN21B09-1/4-19-11R	10139553	G1/4-19	13,157 *0.518*	*19.0*	6,77 *0.267*	22,0 *0.866*	71 *2.795*	93,23 *3.670*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	11,8 *0.465*	3	B
T32-PN21B09-3/8-19-11R	10139554	G3/8-19	16,662 *0.656*	*19.0*	6,89 *0.271*	22,0 *0.866*	58 *2.283*	93,11 *3.666*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	4	B
T32-PN21B09-1/2-14-11R	10139555	G1/2-14	20,955 *0.825*	*14.0*	9,22 *0.363*	25,0 *0.984*	80 *3.150*	115,78 *4.558*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,0 *0.748*	4	B
T32-PN21B09-5/8-14-11R	10139556	G5/8-14	22,911 *0.902*	*14.0*	9,4 *0.370*	25,0 *0.984*	78 *3.071*	115,6 *4.551*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B
T32-PN21B09-3/4-14-11R	10139557	G3/4-14	26,441 *1.041*	*14.0*	9,36 *0.369*	28,0 *1.102*	77 *3.031*	130,64 *5.143*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	24,5 *0.965*	4	B
T32-PN21B09-7/8-14-11R	10139558	G7/8-14	30,201 *1.189*	*14.0*	9,03 *0.356*	30,0 *1.181*	85 *3.346*	140,97 *5.550*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,25 *1.112*	4	B
T32-PN21B09-1-11-11R	10139559	G1-11	33,249 *1.309*	*11.0*	11,49 *0.452*	32,0 *1.260*	93 *3.661*	148,51 *5.847*	160,0 *6.299*	25,0 *0.984*	25.00X20.00	30,75 *1.211*	4	B

T32-R40NC-micro

Fori ciechi – Filettature metriche grosse

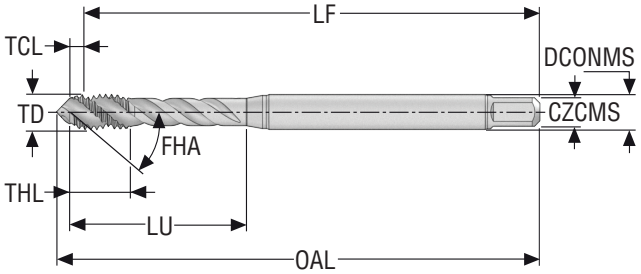


- Substrato: HSS-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 4H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C03-1X0.25-41R	10139129	M1	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	40,9 *1.610*	2,5 *0.098*	2.50X2.10	0,75 *0.030*	2	C
T32-R40N01C03-1.1X0.25-41R	10139130	M1.1	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	41,0 *1.614*	2,5 *0.098*	2.50X2.10	0,85 *0.033*	2	C
T32-R40N01C03-1.2X0.25-41R	10139131	M1.2	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	41,1 *1.618*	2,5 *0.098*	2.50X2.10	0,95 *0.037*	2	C
T32-R40N01C03-1.4X0.3-41R	10139132	M1.4	0,3	0,69 *0.027*	8,0 *0.315*	13 *0.512*	39,31 *1.548*	41,3 *1.626*	2,5 *0.098*	2.50X2.10	1,1 *0.043*	2	C

T32-R40NC-micro

Fori ciechi – Filettature metriche grosse

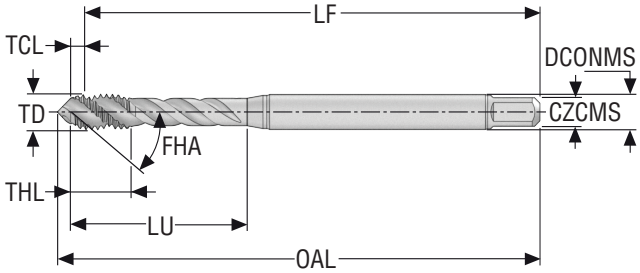


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C03-1.6X0.35-63R	10139133	M1.6	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,4 *1.630*	2,5 *0.098*	2.50X2.10	1,25 *0.049*	2	C
T32-R40N01C03-1.7X0.35-63R	10139134	M1.7	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,5 *1.634*	2,5 *0.098*	2.50X2.10	1,35 *0.053*	2	C
T32-R40N01C03-1.8X0.35-63R	10139135	M1.8	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,6 *1.638*	2,5 *0.098*	2.50X2.10	1,45 *0.057*	2	C
T32-R40N01C03-2X0.4-63R	10139136	M2	0,4	1,03 *0.041*	10,0 *0.394*	13 *0.512*	43,974 *1.731*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,6 *0.063*	2	C
T32-R40N01C03-2.2X0.45-63R	10139137	M2.2	0,45	1,15 *0.045*	10,0 *0.394*	13 *0.512*	43,847 *1.726*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,75 *0.069*	2	C
T32-R40N01C03-2.3X0.4-63R	10139138	M2.3	0,4	1,05 *0.041*	10,0 *0.394*	13 *0.512*	43,948 *1.730*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,9 *0.075*	2	C
T32-R40N01C03-2.5X0.45-63R	10139139	M2.5	0,45	1,06 *0.042*	5,0 *0.197*	14 *0.551*	48,94 *1.927*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,05 *0.081*	2	C
T32-R40N01C03-2.6X0.45-63R	10139140	M2.6	0,45	1,15 *0.045*	5,0 *0.197*	14 *0.551*	48,847 *1.923*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,15 *0.085*	2	C

T32-R40NC

Fori ciechi – Filettature metriche grosse

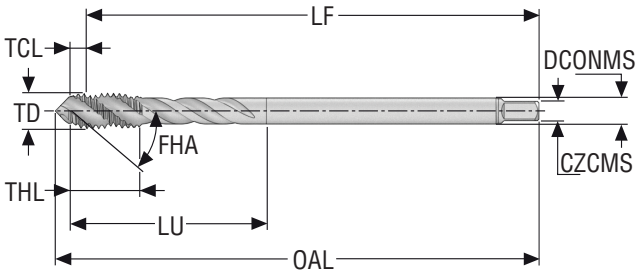


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C03-3X0.5-63R	10139141	M3	0,5	1,2 *0.047*	5,0 *0.197*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-R40N01C03-3.5X0.6-63R	10139142	M3.5	0,6	1,36 *0.054*	6,0 *0.236*	20 *0.787*	54,64 *2.151*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	C
T32-R40N01C03-4X0.7-63R	10139143	M4	0,7	1,54 *0.061*	7,0 *0.276*	21 *0.827*	61,46 *2.420*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-R40N01C03-5X0.8-63R	10139144	M5	0,8	1,9 *0.075*	8,0 *0.315*	25 *0.984*	68,1 *2.681*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-R40N01C03-6X1-63R	10139145	M6	1,0	2,28 *0.090*	10,0 *0.394*	30 *1.181*	77,72 *3.060*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T32-R40N01C03-7X1-63R	10139146	M7	1,0	2,28 *0.090*	10,0 *0.394*	30 *1.181*	77,72 *3.060*	82,9 *3.264*	7,0 *0.276*	7.00X5.50	6,0 *0.236*	3	C
T32-R40N01C03-8X1.25-63R	10139147	M8	1,25	3,11 *0.122*	13,0 *0.512*	35 *1.378*	86,89 *3.421*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T32-R40N01C03-9X1.25-63R	10139148	M9	1,25	3,11 *0.122*	13,0 *0.512*	35 *1.378*	86,89 *3.421*	91,7 *3.610*	9,0 *0.354*	9.00X7.00	7,8 *0.307*	3	C
T32-R40N01C03-10X1.5-63R	10139149	M10	1,5	3,76 *0.148*	15,0 *0.591*	39 *1.535*	96,24 *3.789*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-R40NC

Fori ciechi – Filettature metriche grosse



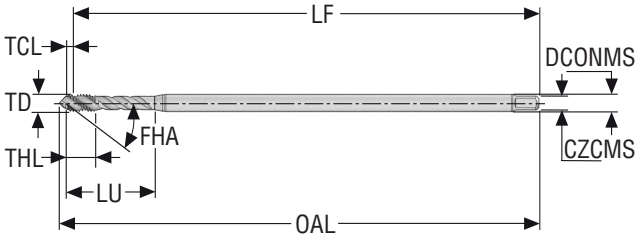
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C06-3X0.5-63R	10139568	M3	0,5	1,17 *0.046*	5,0 *0.197*	36 *1.417*	54,83 *2.159*	57,2 *2.252*	2,2 *0.087*	2.20X1.80	2,5 *0.098*	3	C
T32-R40N01C06-4X0.7-63R	10139570	M4	0,7	1,72 *0.068*	8,0 *0.315*	43 *1.693*	61,28 *2.413*	64,6 *2.543*	2,8 *0.110*	2.80X2.10	3,3 *0.130*	3	C
T32-R40N01C06-5X0.8-63R	10139571	M5	0,8	1,9 *0.075*	10,0 *0.394*	49 *1.929*	68,1 *2.681*	72,0 *2.835*	3,5 *0.138*	3.50X2.70	4,2 *0.165*	3	C
T32-R40N01C06-6X1-63R	10139572	M6	1,0	2,28 *0.090*	12,0 *0.472*	59 *2.323*	77,72 *3.060*	82,4 *3.244*	4,5 *0.177*	4.50X3.40	5,0 *0.197*	3	C
T32-R40N01C06-8X1.25-63R	10139574	M8	1,25	3,11 *0.122*	15,0 *0.591*	67 *2.638*	86,89 *3.421*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	6,8 *0.268*	3	C
T32-R40N01C06-9X1.25-63R	10139575	M9	1,25	3,21 *0.126*	15,0 *0.591*	67 *2.638*	86,79 *3.417*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	7,8 *0.307*	3	C
T32-R40N01C06-10X1.5-63R	10139576	M10	1,5	3,76 *0.148*	17,0 *0.669*	77 *3.031*	96,24 *3.789*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,5 *0.335*	3	C
T32-R40N01C06-12X1.75-63R	10139577	M12	1,75	4,41 *0.174*	18,0 *0.709*	83 *3.268*	105,59 *4.157*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-R40N01C06-14X2-63R	10139578	M14	2,0	5,07 *0.200*	20,0 *0.787*	81 *3.189*	104,93 *4.131*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	4	C
T32-R40N01C06-16X2-63R	10139579	M16	2,0	5,15 *0.203*	20,0 *0.787*	68 *2.677*	104,85 *4.128*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C
T32-R40N01C06-18X2.5-63R	10139580	M18	2,5	6,31 *0.248*	25,0 *0.984*	81 *3.189*	118,69 *4.673*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	15,5 *0.610*	4	C
T32-R40N01C06-20X2.5-63R	10139581	M20	2,5	6,51 *0.256*	25,0 *0.984*	95 *3.740*	133,49 *5.256*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C
T32-R40N01C06-22X2.5-63R	10139582	M22	2,5	6,51 *0.256*	25,0 *0.984*	93 *3.661*	133,49 *5.256*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	C
T32-R40N01C06-24X3-63R	10139583	M24	3,0	7,81 *0.307*	30,0 *1.181*	113 *4.449*	152,19 *5.992*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T32-R40N01C06-27X3-63R	10139584	M27	3,0	7,81 *0.307*	30,0 *1.181*	97 *3.819*	152,19 *5.992*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	24,0 *0.945*	4	C
T32-R40N01C06-30X3.5-63R	10139585	M30	3,5	8,88 *0.350*	35,0 *1.378*	115 *4.528*	171,12 *6.737*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	C
T32-R40N01C06-33X3.5-63R	10139586	M33	3,5	8,88 *0.350*	35,0 *1.378*	113 *4.449*	171,12 *6.737*	180,0 *7.087*	25,0 *0.984*	25.00X20.00	29,5 *1.161*	4	C
T32-R40N01C06-36X4-63R	10139587	M36	4,0	9,94 *0.391*	40,0 *1.575*	131 *5.157*	190,06 *7.483*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	32,0 *1.260*	4	C
T32-R40N01C06-39X4-63R	10139588	M39	4,0	9,94 *0.391*	40,0 *1.575*	102 *4.016*	190,06 *7.483*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	35,0 *1.378*	4	C
T32-R40N01C06-42X4.5-63R	10139589	M42	4,5	11,01 *0.433*	45,0 *1.772*	102 *4.016*	188,99 *7.441*	200,0 *7.874*	32,0 *1.260*	32.00X24.00	37,5 *1.476*	5	C

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C06-45X4.5-63R	10139590	M45	4,5	11,01 *0.433*	45,0 *1.772*	117 *4.606*	208,99 *8.228*	220,0 *8.661*	36,0 *1.417*	36.00X29.00	40,5 *1.594*	5	C
T32-R40N01C06-48X5-63R	10139591	M48	5,0	12,08 *0.476*	50,0 *1.969*	147 *5.787*	237,92 *9.367*	250,0 *9.843*	36,0 *1.417*	36.00X29.00	43,0 *1.693*	5	C
T32-R40N01C06-52X5-63R	10139592	M52	5,0	12,08 *0.476*	50,0 *1.969*	120 *4.724*	237,92 *9.367*	250,0 *9.843*	40,0 *1.575*	40.00X32.00	47,0 *1.850*	5	C

T32-R40NC

Fori ciechi – Filettature metriche grosse

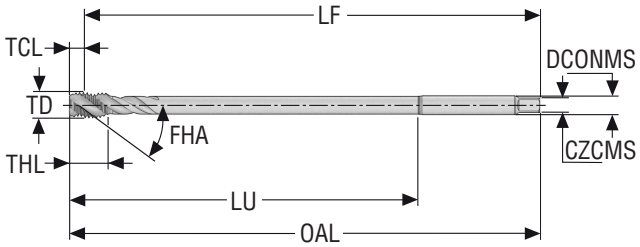


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371/EL
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C04-3X0.5-63R	10139179	M3	0,5	1,17 *0.046*	5,0 *0.197*	18 *0.709*	98,83 *3.891*	101,2 *3.984*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-R40N01C04-4X0.7-63R	10139180	M4	0,7	1,45 *0.057*	7,0 *0.276*	21 *0.827*	123,55 *4.864*	126,6 *4.984*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-R40N01C04-5X0.8-63R	10139181	M5	0,8	1,9 *0.075*	8,0 *0.315*	25 *0.984*	138,1 *5.437*	142,0 *5.591*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-R40N01C04-6X1-63R	10139182	M6	1,0	2,28 *0.090*	10,0 *0.394*	30 *1.181*	157,72 *6.209*	162,4 *6.394*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C

T32-R40NC

Fori ciechi – Filettature metriche grosse

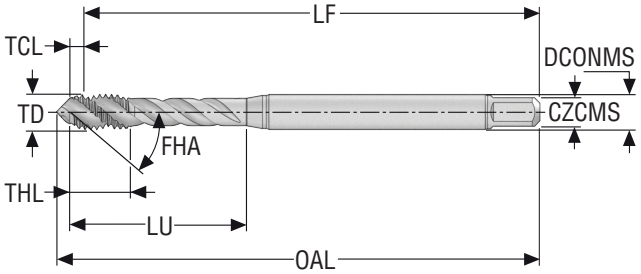


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376/EL
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C07-8X1.25-63R	10139183	M8	1,25	3,11 *0.122*	15,0 *0.591*	157 *6.181*	176,89 *6.964*	180,0 *7.087*	6,0 *0.236*	6.00X4.90	6,8 *0.268*	3	C
T32-R40N01C07-10X1.5-63R	10139185	M10	1,5	3,76 *0.148*	17,0 *0.669*	177 *6.969*	196,24 *7.726*	200,0 *7.874*	7,0 *0.276*	7.00X5.50	8,5 *0.335*	3	C
T32-R40N01C07-12X1.75-63R	10139186	M12	1,75	4,41 *0.174*	18,0 *0.709*	193 *7.598*	215,59 *8.488*	220,0 *8.661*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-R40N01C07-16X2-63R	10139187	M16	2,0	5,21 *0.205*	20,0 *0.787*	178 *7.008*	214,79 *8.456*	220,0 *8.661*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C

T32-R40NC

Fori ciechi – Filettature metriche grosse, 6G

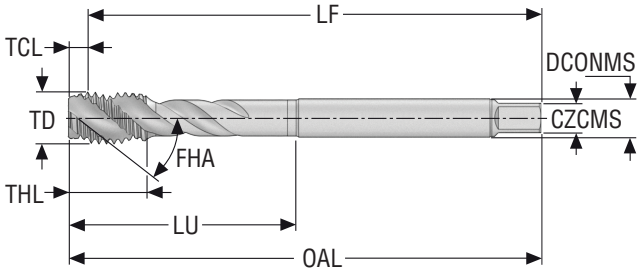


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6G
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C03-3X0.5-61R	10139173	M3	0,5	1,2 *0.047*	5,0 *0.197*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-R40N01C03-4X0.7-61R	10139174	M4	0,7	1,54 *0.061*	7,0 *0.276*	21 *0.827*	61,46 *2.420*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-R40N01C03-5X0.8-61R	10139175	M5	0,8	1,9 *0.075*	8,0 *0.315*	25 *0.984*	68,1 *2.681*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-R40N01C03-6X1-61R	10139176	M6	1,0	2,28 *0.090*	10,0 *0.394*	30 *1.181*	77,72 *3.060*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T32-R40N01C03-8X1.25-61R	10139177	M8	1,25	3,11 *0.122*	13,0 *0.512*	35 *1.378*	86,89 *3.421*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T32-R40N01C03-10X1.5-61R	10139178	M10	1,5	3,76 *0.148*	15,0 *0.591*	39 *1.535*	96,24 *3.789*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-R40NC

Fori ciechi – Filettature metriche grosse, 6G

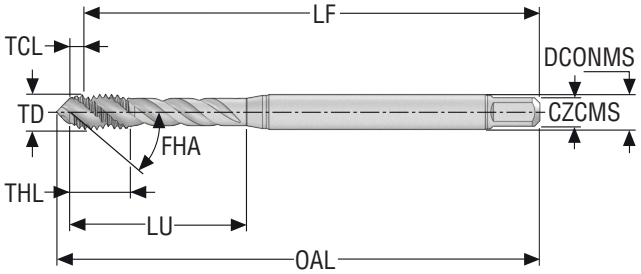


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6G
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N01C06-12X1.75-61R	10139649	M12	1,75	4,41 *0.174*	18,0 *0.709*	83 *3.268*	105,59 *4.157*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-R40N01C06-16X2-61R	10139650	M16	2,0	5,15 *0.203*	20,0 *0.787*	81 *3.189*	104,85 *4.128*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	14,0 *0.551*	4	C
T32-R40N01C06-20X2.5-61R	10139651	M20	2,5	6,51 *0.256*	25,0 *0.984*	95 *3.740*	133,49 *5.256*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C

T32-R40NC

Fori ciechi – Filettature metriche grosse, filettatura sinistra

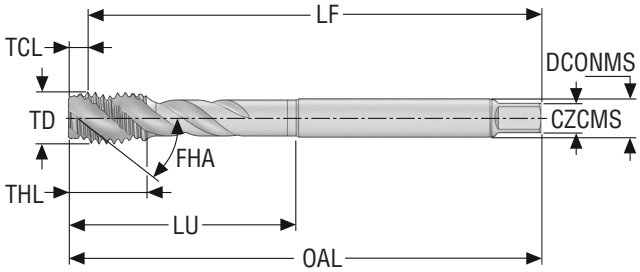


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-L40N01C03-3X0.5-63L	10139167	M3	0,5	1,2 *0.047*	5,0 *0.197*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T32-L40N01C03-4X0.7-63L	10139168	M4	0,7	1,54 *0.061*	7,0 *0.276*	21 *0.827*	61,46 *2.420*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T32-L40N01C03-5X0.8-63L	10139169	M5	0,8	1,9 *0.075*	8,0 *0.315*	25 *0.984*	68,1 *2.681*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T32-L40N01C03-6X1-63L	10139170	M6	1,0	2,28 *0.090*	10,0 *0.394*	30 *1.181*	77,72 *3.060*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T32-L40N01C03-8X1.25-63L	10139171	M8	1,25	3,11 *0.122*	13,0 *0.512*	35 *1.378*	86,89 *3.421*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T32-L40N01C03-10X1.5-63L	10139172	M10	1,5	3,76 *0.148*	15,0 *0.591*	39 *1.535*	96,24 *3.789*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-R40NC

Fori ciechi – Filettature metriche grosse, filettatura sinistra

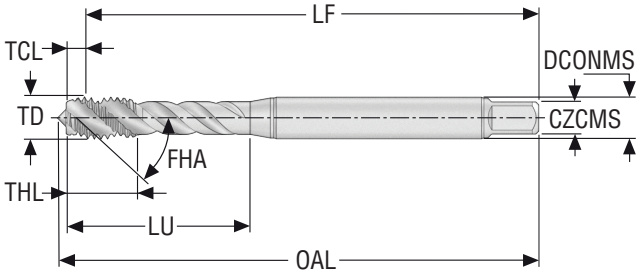


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-L40N01C06-12X1.75-63L	10139645	M12	1,75	4,41 *0.174*	18,0 *0.709*	83 *3.268*	105,59 *4.157*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T32-L40N01C06-16X2-63L	10139646	M16	2,0	5,15 *0.203*	20,0 *0.787*	68 *2.677*	104,85 *4.128*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C
T32-L40N01C06-20X2.5-63L	10139647	M20	2,5	6,51 *0.256*	25,0 *0.984*	95 *3.740*	133,49 *5.256*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C
T32-L40N01C06-24X3-63L	10139648	M24	3,0	7,81 *0.307*	30,0 *1.181*	113 *4.449*	152,19 *5.992*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C

T32-R40NC

Fori ciechi – Filettature MF

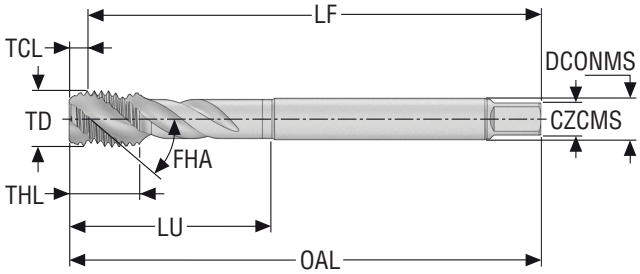


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N02C03-8X1-63R	10139150	MF8X1.0	1,0	2,58 *0.102*	13,0 *0.512*	35 *1.378*	87,42 *3.442*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	C
T32-R40N02C03-10X1-63R	10139151	MF10X1.0	1,0	2,68 *0.106*	13,0 *0.512*	35 *1.378*	87,32 *3.438*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	C
T32-R40N02C03-10X1.25-63R	10139152	MF10X1.25	1,25	3,21 *0.126*	15,0 *0.591*	39 *1.535*	96,79 *3.811*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,8 *0.346*	3	C

T32-R40NC

Fori ciechi – Filettature MF



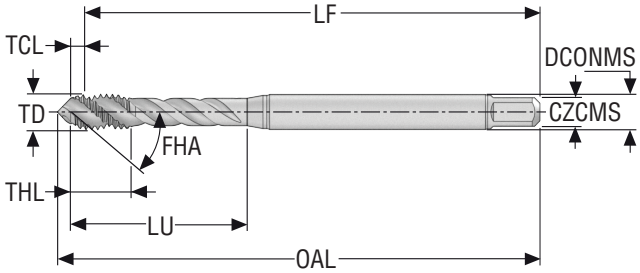
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 6H
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N02C05-8X1-63R	10139593	MF8X1.0	1,0	2,58 *0.102*	10,0 *0.394*	67 *2.638*	87,42 *3.442*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	C
T32-R40N02C05-10X0.75-63R	10139594	MF10X0.75	0,75	2,13 *0.084*	10,0 *0.394*	67 *2.638*	87,87 *3.459*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,2 *0.362*	3	C
T32-R40N02C05-10X1-63R	10139595	MF10X1.0	1,0	2,68 *0.106*	13,0 *0.512*	67 *2.638*	87,32 *3.438*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	C
T32-R40N02C05-10X1.25-63R	10139596	MF10X1.25	1,25	3,21 *0.126*	15,0 *0.591*	77 *3.031*	96,79 *3.811*	100,0 *3.937*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	C
T32-R40N02C05-12X1-63R	10139597	MF12X1.0	1,0	2,79 *0.110*	10,0 *0.394*	73 *2.874*	97,21 *3.827*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,0 *0.433*	3	C
T32-R40N02C05-12X1.25-63R	10139598	MF12X1.25	1,25	3,34 *0.131*	15,0 *0.591*	73 *2.874*	96,66 *3.806*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,8 *0.425*	3	C
T32-R40N02C05-12X1.5-63R	10139599	MF12X1.5	1,5	3,87 *0.152*	15,0 *0.591*	73 *2.874*	96,13 *3.785*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	C
T32-R40N02C05-14X1-63R	10139600	MF14X1.0	1,0	2,89 *0.114*	10,0 *0.394*	71 *2.795*	97,11 *3.823*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	4	C
T32-R40N02C05-14X1.25-63R	10139601	MF14X1.25	1,25	3,44 *0.135*	15,0 *0.591*	71 *2.795*	96,56 *3.802*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,8 *0.504*	4	C
T32-R40N02C05-14X1.5-63R	10139602	MF14X1.5	1,5	3,97 *0.156*	15,0 *0.591*	71 *2.795*	96,03 *3.781*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	C
T32-R40N02C05-16X1-63R	10139603	MF16X1.0	1,0	2,79 *0.110*	10,0 *0.394*	58 *2.283*	97,21 *3.827*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,0 *0.591*	4	C
T32-R40N02C05-16X1.5-63R	10139604	MF16X1.5	1,5	4,07 *0.160*	15,0 *0.591*	58 *2.283*	95,93 *3.777*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C
T32-R40N02C05-18X1.5-63R	10139605	MF18X1.5	1,5	4,17 *0.164*	17,0 *0.669*	66 *2.598*	105,83 *4.167*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	C
T32-R40N02C05-18X2-63R	10139606	MF18X2.0	2,0	5,25 *0.207*	20,0 *0.787*	81 *3.189*	119,75 *4.715*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,0 *0.630*	4	C
T32-R40N02C05-20X1.5-63R	10139607	MF20X1.5	1,5	4,37 *0.172*	17,0 *0.669*	80 *3.150*	120,63 *4.749*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	18,5 *0.728*	4	C
T32-R40N02C05-20X2-63R	10139608	MF20X2.0	2,0	5,45 *0.215*	20,0 *0.787*	95 *3.740*	134,55 *5.297*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,0 *0.709*	4	C
T32-R40N02C05-22X1.5-63R	10139609	MF22X1.5	1,5	4,37 *0.172*	17,0 *0.669*	78 *3.071*	120,63 *4.749*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	C
T32-R40N02C05-22X2-63R	10139610	MF22X2.0	2,0	5,45 *0.215*	20,0 *0.787*	93 *3.661*	134,55 *5.297*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	20,0 *0.787*	4	C
T32-R40N02C05-24X1.5-63R	10139611	MF24X1.5	1,5	4,39 *0.173*	20,0 *0.787*	93 *3.661*	135,61 *5.339*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,5 *0.886*	4	C
T32-R40N02C05-24X2-63R	10139612	MF24X2.0	2,0	5,67 *0.223*	20,0 *0.787*	93 *3.661*	134,33 *5.289*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,0 *0.866*	4	C

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N02C05-27X1.5-63R	10139613	MF27X1.5	1,5	4,59 *0.181*	20,0 *0.787*	77 *3.031*	135,41 *5.331*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,5 *1.004*	4	C
T32-R40N02C05-27X2-63R	10139614	MF27X2.0	2,0	5,67 *0.223*	20,0 *0.787*	77 *3.031*	134,33 *5.289*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,0 *0.984*	4	C
T32-R40N02C05-30X1.5-63R	10139615	MF30X1.5	1,5	4,19 *0.165*	22,0 *0.866*	85 *3.346*	145,81 *5.741*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,5 *1.122*	4	C
T32-R40N02C05-30X2-63R	10139616	MF30X1.0	2,0	5,67 *0.223*	22,0 *0.866*	85 *3.346*	144,33 *5.682*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,0 *1.102*	4	C

T32-R40NC

Fori ciechi – Filettature UNC

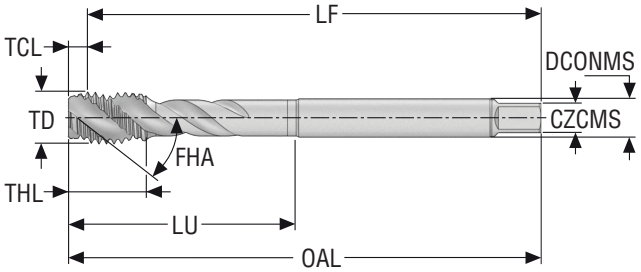


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N08C03-4-40-21R	10139153	UNC4-40	2,845 *0.112*	*40.0*	1,45 *0.057*	5,0 *0.197*	18 *0.709*	54,55 *2.148*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,35 *0.093*	3	C
T32-R40N08C03-5-40-21R	10139154	UNC5-40	3,175 *0.125*	*40.0*	1,5 *0.059*	7,0 *0.276*	18 *0.709*	54,5 *2.146*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	C
T32-R40N08C03-6-32-21R	10139155	UNC6-32	3,505 *0.138*	*32.0*	1,92 *0.076*	6,0 *0.236*	20 *0.787*	54,08 *2.129*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,85 *0.112*	3	C
T32-R40N08C03-8-32-21R	10139156	UNC8-32	4,166 *0.164*	*32.0*	1,85 *0.073*	7,0 *0.276*	21 *0.827*	61,15 *2.407*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	C
T32-R40N08C03-10-24-21R	10139157	UNC10-24	4,826 *0.190*	*24.0*	2,49 *0.098*	8,0 *0.315*	25 *0.984*	67,51 *2.658*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	3,9 *0.154*	3	C
T32-R40N08C03-12-24-21R	10139158	UNC12-24	5,486 *0.216*	*24.0*	2,43 *0.096*	10,0 *0.394*	30 *1.181*	77,57 *3.054*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4,5 *0.177*	3	C
T32-R40N08C03-1/4-20-21R	10139159	UNC1/4-20	6,35 *0.250*	*20.0*	2,9 *0.114*	13,0 *0.512*	32 *1.260*	77,1 *3.035*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,1 *0.201*	3	C
T32-R40N08C03-5/16-18-21R	10139160	UNC5/16-18	7,937 *0.312*	*18.0*	3,54 *0.139*	13,0 *0.512*	35 *1.378*	86,46 *3.404*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,6 *0.260*	3	C
T32-R40N08C03-3/8-16-21R	10139161	UNC3/8-16	9,525 *0.375*	*16.0*	3,99 *0.157*	15,0 *0.591*	39 *1.535*	96,01 *3.780*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,0 *0.315*	3	C

T32-R40NC

Fori ciechi – Filettature UNC

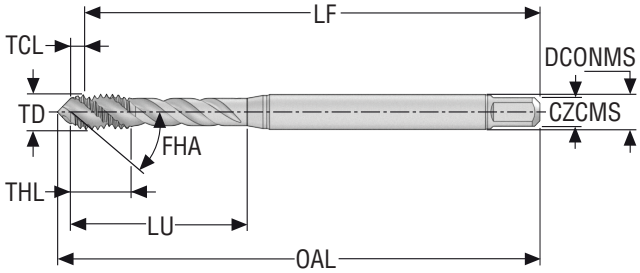


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N08C06-7/16-14-21R	10139617	UNC7/16-14	11,112 *0.437*	*14.0*	4,6 *0.181*	15,0 *0.591*	76 *2.992*	95,4 *3.756*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,3 *0.366*	3	C
T32-R40N08C06-1/2-13-21R	10139626	UNC1/2-13	12,7 *0.500*	*13.0*	4,94 *0.194*	18,0 *0.709*	83 *3.268*	105,06 *4.136*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,7 *0.421*	4	C
T32-R40N08C06-9/16-12-21R	10139619	UNC9/16-12	14,287 *0.562*	*12.0*	5,37 *0.211*	20,0 *0.787*	81 *3.189*	104,63 *4.119*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,3 *0.484*	4	C
T32-R40N08C06-5/8-11-21R	10139620	UNC5/8-11	15,875 *0.625*	*11.0*	5,81 *0.229*	22,0 *0.866*	68 *2.677*	104,19 *4.102*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,5 *0.531*	4	C
T32-R40N08C06-3/4-10-21R	10139621	UNC3/4-10	19,05 *0.750*	*10.0*	6,78 *0.267*	25,0 *0.984*	81 *3.189*	118,22 *4.654*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	C
T32-R40N08C06-7/8-9-21R	10139622	UNC7/8-9	22,225 *0.875*	*9.0*	7,27 *0.286*	30,0 *1.181*	93 *3.661*	132,73 *5.226*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	C
T32-R40N08C06-1-8-21R	10139623	UNC1-8	25,4 *1.000*	*8.0*	8,32 *0.328*	30,0 *1.181*	97 *3.819*	151,68 *5.972*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	22,25 *0.876*	4	C
T32-R40N08C06-1_1/8-7-21R	10139758	UNC1 1/8-7	28,575 *1.125*	*7.0*	9,17 *0.361*	37,0 *1.457*	115 *4.528*	170,83 *6.726*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	25,0 *0.984*	4	C
T32-R40N08C06-1_1/4-7-21R	10139624	UNC1 1/4-7	31,75 *1.250*	*7.0*	9,3 *0.366*	37,0 *1.457*	115 *4.528*	170,7 *6.720*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	28,0 *1.102*	4	C
T32-R40N08C06-1_3/8-6-21R	10139618	UNC1 3/8-6	34,925 *1.375*	*6.0*	10,5 *0.413*	40,0 *1.575*	131 *5.157*	189,5 *7.461*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	30,75 *1.211*	4	C
T32-R40N08C06-1_1/2-6-21R	10139625	UNC1 1/2-6	38,1 *1.500*	*6.0*	10,63 *0.419*	40,0 *1.575*	131 *5.157*	189,37 *7.456*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	34,0 *1.339*	4	C

T32-R40NC

Fori ciechi – Filettature UNF

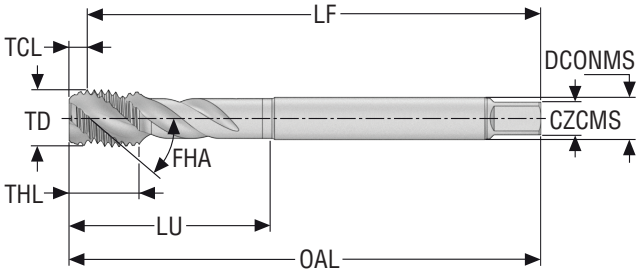


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N09C03-10-32-21R	10139162	UNF10-32	4,826 *0.190*	*32.0*	1,96 *0.077*	8,0 *0.315*	25 *0.984*	68,04 *2.679*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,1 *0.161*	3	C
T32-R40N09C03-12-28-21R	10139163	UNF12-28	5,486 *0.216*	*28.0*	2,07 *0.081*	10,0 *0.394*	30 *1.181*	77,93 *3.068*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	4,6 *0.181*	3	C
T32-R40N09C03-1/4-28-21R	10139164	UNF1/4-28	6,35 *0.250*	*28.0*	2,19 *0.086*	10,0 *0.394*	30 *1.181*	77,81 *3.063*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,5 *0.217*	3	C
T32-R40N09C03-5/16-24-21R	10139165	UNF5/16-24	7,937 *0.312*	*24.0*	2,83 *0.111*	13,0 *0.512*	35 *1.378*	87,17 *3.432*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,9 *0.272*	3	C
T32-R40N09C03-3/8-24-21R	10139166	UNF3/8-24	9,525 *0.375*	*24.0*	2,91 *0.115*	15,0 *0.591*	35 *1.378*	87,09 *3.429*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T32-R40NC

Fori ciechi – Filettature UNF

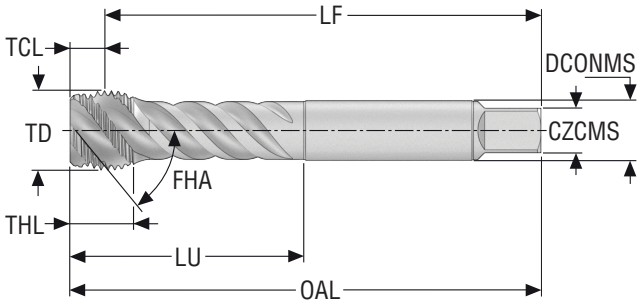


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 2B
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N09C05-7/16-20-21R	10139627	UNF7/16-20	11,112 *0.437*	*20.0*	3,35 *0.132*	15,0 *0.591*	76 *2.992*	96,65 *3.805*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,9 *0.390*	3	C
T32-R40N09C05-1/2-20-21R	10139636	UNF1/2-20	12,7 *0.500*	*20.0*	3,51 *0.138*	15,0 *0.591*	73 *2.874*	96,49 *3.799*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	4	C
T32-R40N09C05-9/16-18-21R	10139629	UNF9/16-18	14,287 *0.562*	*18.0*	3,77 *0.148*	15,0 *0.591*	71 *2.795*	96,23 *3.789*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	4	C
T32-R40N09C05-5/8-18-21R	10139630	UNF5/8-18	15,875 *0.625*	*18.0*	3,86 *0.152*	15,0 *0.591*	58 *2.283*	96,14 *3.785*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C
T32-R40N09C05-3/4-16-21R	10139631	UNF3/4-16	19,05 *0.750*	*16.0*	4,45 *0.175*	17,0 *0.669*	66 *2.598*	105,55 *4.156*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	17,5 *0.689*	4	C
T32-R40N09C05-7/8-14-21R	10139632	UNF7/8-14	22,225 *0.875*	*14.0*	5,15 *0.203*	17,0 *0.669*	78 *3.071*	119,85 *4.719*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	C
T32-R40N09C05-1-12-21R	10139633	UNF1-12	25,4 *1.000*	*12.0*	5,82 *0.229*	22,0 *0.866*	93 *3.661*	134,18 *5.283*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	23,3 *0.917*	4	C
T32-R40N09C05-1_1/8-12-21R	10139759	UNF1 1/8-12	28,575 *1.125*	*12.0*	5,98 *0.235*	22,0 *0.866*	85 *3.346*	144,02 *5.670*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	C
T32-R40N09C05-1_1/4-12-21R	10139634	UNF1 1/4-12	31,75 *1.250*	*12.0*	5,94 *0.234*	22,0 *0.866*	85 *3.346*	144,06 *5.672*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	29,5 *1.161*	4	C
T32-R40N09C05-1_3/8-12-21R	10139628	UNF1 3/8-12	34,925 *1.375*	*12.0*	6,07 *0.239*	22,0 *0.866*	101 *3.976*	163,93 *6.454*	170,0 *6.693*	28,0 *1.102*	28.00X22.00	32,8 *1.291*	4	C
T32-R40N09C05-1_1/2-12-21R	10139635	UNF1 1/2-12	38,1 *1.500*	*12.0*	6,04 *0.238*	24,0 *0.945*	101 *3.976*	163,96 *6.455*	170,0 *6.693*	28,0 *1.102*	28.00X22.00	36,0 *1.417*	4	C

T32-R40NC

Fori ciechi – Filettature G

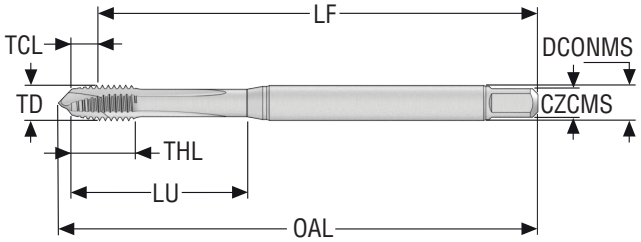


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL
- FHA = 40°
- Per i parametri di taglio, vedere le pagine 261

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T32-R40N21C09-1/8-28-11R	10139637	G1/8-28	9,728 *0.383*	*28.0*	2,67 *0.105*	10,0 *0.394*	67 *2.638*	87,33 *3.438*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	C
T32-R40N21C09-1/4-19-11R	10139638	G1/4-19	13,157 *0.518*	*19.0*	3,72 *0.146*	14,0 *0.551*	71 *2.795*	96,28 *3.791*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	11,8 *0.465*	3	C
T32-R40N21C09-3/8-19-11R	10139639	G3/8-19	16,662 *0.656*	*19.0*	3,92 *0.154*	15,0 *0.591*	58 *2.283*	96,08 *3.783*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	4	C
T32-R40N21C09-1/2-14-11R	10139640	G1/2-14	20,955 *0.825*	*14.0*	5,28 *0.208*	17,0 *0.669*	80 *3.150*	119,72 *4.713*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,0 *0.748*	4	C
T32-R40N21C09-5/8-14-11R	10139641	G5/8-14	22,911 *0.902*	*14.0*	5,21 *0.205*	20,0 *0.787*	78 *3.071*	119,79 *4.716*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T32-R40N21C09-3/4-14-11R	10139642	G3/4-14	26,441 *1.041*	*14.0*	5,45 *0.215*	20,0 *0.787*	77 *3.031*	134,55 *5.297*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	24,5 *0.965*	4	C
T32-R40N21C09-7/8-14-11R	10139643	G7/8-14	30,201 *1.189*	*14.0*	5,38 *0.212*	22,0 *0.866*	85 *3.346*	144,62 *5.694*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,25 *1.112*	4	C
T32-R40N21C09-1-11-11R	10139644	G1-11	33,249 *1.309*	*11.0*	6,56 *0.258*	24,0 *0.945*	93 *3.661*	153,44 *6.041*	160,0 *6.299*	25,0 *0.984*	25.00X20.00	30,75 *1.211*	4	C

T34-PHB-micro

Fori passanti – Filettature metriche grosse

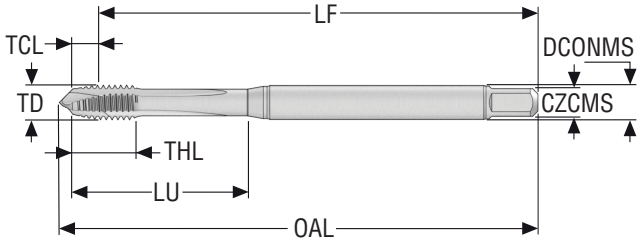


- Substrato: HSS-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 4H
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH01B03-1X0.25-41R	10139302	M1	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	40,9 *1.610*	2,5 *0.098*	2.50X2.10	0,75 *0.030*	2	B
T34-PH01B03-1.1X0.25-41R	10139303	M1.1	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	41,0 *1.614*	2,5 *0.098*	2.50X2.10	0,85 *0.033*	2	B
T34-PH01B03-1.2X0.25-41R	10139304	M1.2	0,25	1,13 *0.044*	6,0 *0.236*	13 *0.512*	38,87 *1.530*	41,1 *1.618*	2,5 *0.098*	2.50X2.10	0,95 *0.037*	2	B
T34-PH01B03-1.4X0.3-41R	10139305	M1.4	0,3	1,32 *0.052*	8,0 *0.315*	13 *0.512*	38,68 *1.523*	41,3 *1.626*	2,5 *0.098*	2.50X2.10	1,1 *0.043*	2	B

T34-PHB-micro

Fori passanti – Filettature metriche grosse

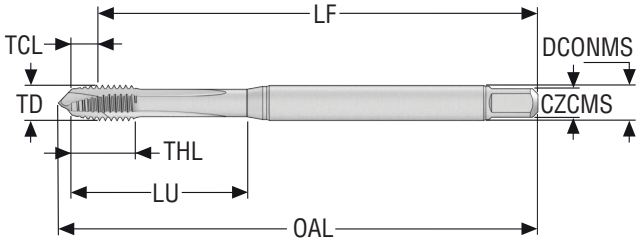


- Substrato: HSS-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH01B03-1.6X0.35-63R	10139306	M1.6	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,4 *1.630*	2,5 *0.098*	2.50X2.10	1,25 *0.049*	2	B
T34-PH01B03-1.7X0.35-63R	10139307	M1.7	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,5 *1.634*	2,5 *0.098*	2.50X2.10	1,35 *0.053*	2	B
T34-PH01B03-1.8X0.35-63R	10139308	M1.8	0,35	1,54 *0.061*	8,0 *0.315*	13 *0.512*	38,46 *1.514*	41,6 *1.638*	2,5 *0.098*	2.50X2.10	1,45 *0.057*	2	B
T34-PH01B03-2X0.4-63R	10139309	M2	0,4	1,89 *0.074*	10,0 *0.394*	13 *0.512*	43,11 *1.697*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,6 *0.063*	2	B
T34-PH01B03-2.2X0.45-63R	10139310	M2.2	0,45	2,07 *0.081*	10,0 *0.394*	13 *0.512*	42,93 *1.690*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,75 *0.069*	2	B
T34-PH01B03-2.3X0.4-63R	10139311	M2.3	0,4	1,89 *0.074*	10,0 *0.394*	13 *0.512*	43,11 *1.697*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,9 *0.075*	2	B
T34-PH01B03-2.5X0.45-63R	10139312	M2.5	0,45	2,07 *0.081*	9,0 *0.354*	14 *0.551*	47,93 *1.887*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,05 *0.081*	2	B
T34-PH01B03-2.6X0.45-63R	10139313	M2.6	0,45	2,07 *0.081*	9,0 *0.354*	14 *0.551*	47,93 *1.887*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,15 *0.085*	2	B

T34-PHB

Fori passanti – Filettature metriche grosse

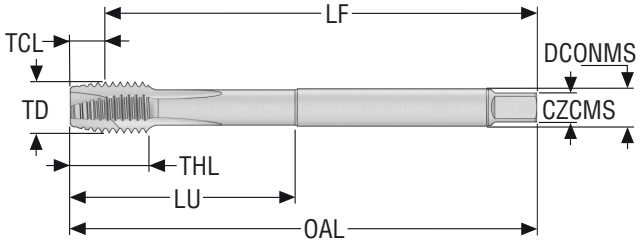


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH01B03-3X0.5-65R	10139314	M3	0,5	2,3 *0.091*	5,0 *0.197*	18 *0.709*	53,7 *2.114*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	B
T34-PH01B03-3.5X0.6-65R	10139315	M3.5	0,6	2,67 *0.105*	6,0 *0.236*	20 *0.787*	53,33 *2.100*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	B
T34-PH01B03-4X0.7-65R	10139316	M4	0,7	3,03 *0.119*	7,0 *0.276*	21 *0.827*	59,97 *2.361*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	B
T34-PH01B03-4.5X0.75-65R	10139317	M4.5	0,75	3,36 *0.132*	7,5 *0.295*	25 *0.984*	66,64 *2.624*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	B
T34-PH01B03-5X0.8-65R	10139318	M5	0,8	3,71 *0.146*	8,0 *0.315*	25 *0.984*	66,29 *2.610*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T34-PH01B03-6X1-65R	10139319	M6	1,0	4,5 *0.177*	10,0 *0.394*	30 *1.181*	75,5 *2.972*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B
T34-PH01B03-8X1.25-65R	10139320	M8	1,25	5,48 *0.216*	13,0 *0.512*	35 *1.378*	84,52 *3.328*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	B
T34-PH01B03-10X1.5-65R	10139321	M10	1,5	6,9 *0.272*	15,0 *0.591*	39 *1.535*	93,1 *3.665*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T34-PHB

Fori passanti – Filettature metriche grosse

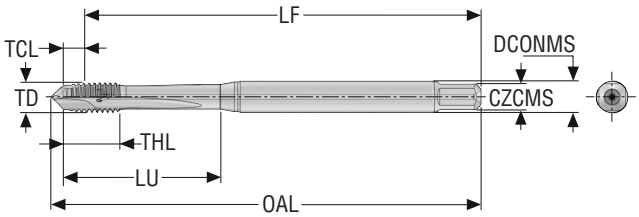


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH01B06-12X1.75-65R	10139322	M12	1,75	8,11 *0.319*	18,0 *0.709*	83 *3.268*	101,89 *4.011*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T34-PH01B06-14X2-65R	10139323	M14	2,0	9,26 *0.365*	20,0 *0.787*	81 *3.189*	100,74 *3.966*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	3	B
T34-PH01B06-16X2-65R	10139324	M16	2,0	9,36 *0.369*	20,0 *0.787*	68 *2.677*	100,64 *3.962*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	3	B
T34-PH01B06-18X2.5-65R	10139325	M18	2,5	11,3 *0.445*	25,0 *0.984*	81 *3.189*	113,7 *4.476*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	15,5 *0.610*	4	B
T34-PH01B06-20X2.5-65R	10139326	M20	2,5	11,4 *0.449*	25,0 *0.984*	95 *3.740*	128,6 *5.063*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	B
T34-PH01B06-22X2.5-65R	10139327	M22	2,5	11,4 *0.449*	25,0 *0.984*	93 *3.661*	128,6 *5.063*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	B
T34-PH01B06-24X3-65R	10139328	M24	3,0	13,62 *0.536*	30,0 *1.181*	113 *4.449*	146,38 *5.763*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B
T34-PH01B06-27X3-65R	10139329	M27	3,0	13,82 *0.544*	30,0 *1.181*	97 *3.819*	146,18 *5.755*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	24,0 *0.945*	4	B
T34-PH01B06-30X3.5-65R	10139330	M30	3,5	15,87 *0.625*	35,0 *1.378*	115 *4.528*	164,13 *6.462*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	B
T34-PH01B06-33X3.5-65R	10139331	M33	3,5	15,87 *0.625*	35,0 *1.378*	113 *4.449*	164,13 *6.462*	180,0 *7.087*	25,0 *0.984*	25.00X20.00	29,5 *1.161*	4	B
T34-PH01B06-36X4-65R	10139332	M36	4,0	18,13 *0.714*	40,0 *1.575*	131 *5.157*	181,87 *7.160*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	32,0 *1.260*	4	B

T34B-PHB

Fori passanti – Filettature metriche grosse

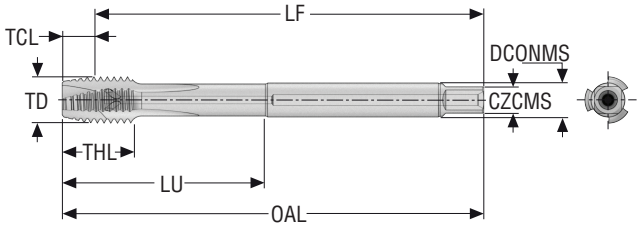


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34B-PH01B03-5X0.8-65R	10139333	M5	0,8	3,71 *0.146*	8,0 *0.315*	25 *0.984*	66,29 *2.610*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T34B-PH01B03-6X1-65R	10139334	M6	1,0	4,5 *0.177*	10,0 *0.394*	30 *1.181*	75,5 *2.972*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	B
T34B-PH01B03-8X1.25-65R	10139335	M8	1,25	5,48 *0.216*	13,0 *0.512*	35 *1.378*	84,52 *3.328*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	B
T34B-PH01B03-10X1.5-65R	10139336	M10	1,5	6,9 *0.272*	15,0 *0.591*	39 *1.535*	93,1 *3.665*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T34B-PHB

Fori passanti – Filettature metriche grosse

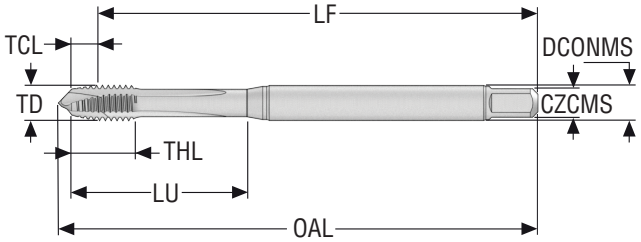


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34B-PH01B06-12X1.75-65R	10139337	M12	1,75	8,11 *0.319*	18,0 *0.709*	83 *3.268*	101,89 *4.011*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	B
T34B-PH01B06-14X2-65R	10139338	M14	2,0	9,26 *0.365*	20,0 *0.787*	81 *3.189*	100,74 *3.966*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	3	B
T34B-PH01B06-16X2-65R	10139339	M16	2,0	9,36 *0.369*	20,0 *0.787*	68 *2.677*	100,64 *3.962*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	3	B

T34-PHB

Fori passanti – Filettature MF

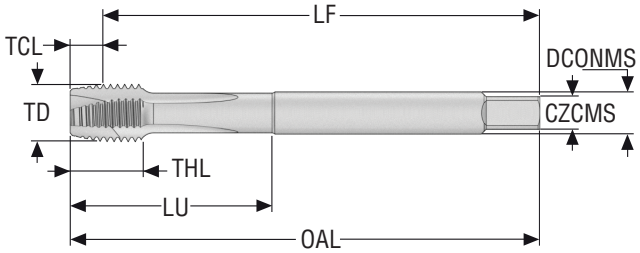


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH02B03-3X0.35-65R	10139340	MF3X0.35	0,35	1,6 *0.063*	5,0 *0.197*	18 *0.709*	54,4 *2.142*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	B
T34-PH02B03-3.5X0.35-65R	10139341	MF3.5X0.35	0,35	1,6 *0.063*	5,0 *0.197*	20 *0.787*	54,4 *2.142*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	3,15 *0.124*	3	B
T34-PH02B03-4X0.5-65R	10139342	MF4X0.5	0,5	2,3 *0.091*	7,0 *0.276*	21 *0.827*	60,7 *2.390*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	B
T34-PH02B03-5X0.5-65R	10139343	MF5X0.5	0,5	2,3 *0.091*	8,0 *0.315*	25 *0.984*	67,7 *2.665*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,5 *0.177*	3	B
T34-PH02B03-6X0.5-65R	10139344	MF6X0.5	0,5	2,34 *0.092*	10,0 *0.394*	30 *1.181*	77,66 *3.057*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,5 *0.217*	3	B
T34-PH02B03-6X0.75-65R	10139345	MF6X0.75	0,75	3,4 *0.134*	10,0 *0.394*	30 *1.181*	76,6 *3.016*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,2 *0.205*	3	B
T34-PH02B03-8X0.75-65R	10139346	MF8X0.75	0,75	3,4 *0.134*	10,0 *0.394*	30 *1.181*	76,6 *3.016*	83,6 *3.291*	8,0 *0.315*	8.00X6.20	7,2 *0.283*	3	B
T34-PH02B03-8X1-65R	10139347	MF8X1.0	1,0	4,45 *0.175*	13,0 *0.512*	35 *1.378*	85,55 *3.368*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	B
T34-PH02B03-10X0.75-65R	10139348	MF10X0.75	0,75	3,8 *0.150*	13,0 *0.512*	35 *1.378*	86,2 *3.394*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,2 *0.362*	3	B
T34-PH02B03-10X1-65R	10139349	MF10X1.0	1,0	5,25 *0.207*	13,0 *0.512*	35 *1.378*	84,75 *3.337*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	B
T34-PH02B03-10X1.25-65R	10139350	MF10X1.25	1,25	6,28 *0.247*	15,0 *0.591*	39 *1.535*	93,72 *3.690*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,8 *0.346*	3	B

T34-PHB

Fori passanti – Filettature MF

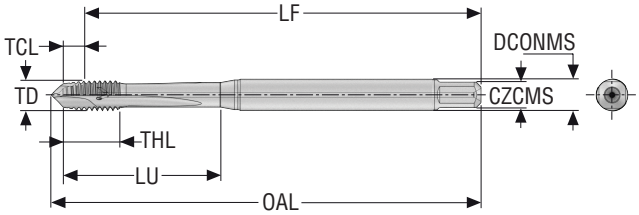


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH02B05-8X1-65R	10139351	MF8X1.0	1,0	4,75 *0.187*	10,0 *0.394*	35 *1.378*	85,25 *3.356*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	B
T34-PH02B05-10X1-65R	10139352	MF10X1.0	1,0	4,85 *0.191*	10,0 *0.394*	35 *1.378*	85,15 *3.352*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	B
T34-PH02B05-12X1-65R	10139353	MF12X1.0	1,0	4,98 *0.196*	10,0 *0.394*	73 *2.874*	95,02 *3.741*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,0 *0.433*	3	B
T34-PH02B05-12X1.25-65R	10139354	MF12X1.25	1,25	7,07 *0.278*	15,0 *0.591*	73 *2.874*	92,93 *3.659*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,8 *0.425*	3	B
T34-PH02B05-12X1.5-65R	10139355	MF12X1.5	1,5	6,03 *0.237*	15,0 *0.591*	73 *2.874*	93,97 *3.700*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	B
T34-PH02B05-14X1.5-65R	10139356	MF14X1.5	1,5	7,17 *0.282*	15,0 *0.591*	71 *2.795*	92,83 *3.655*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	3	B
T34-PH02B05-16X1.5-65R	10139357	MF16X1.5	1,5	7,27 *0.286*	15,0 *0.591*	58 *2.283*	92,73 *3.651*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	3	B
T34-PH02B05-18X1.5-65R	10139358	MF18X1.5	1,5	7,17 *0.282*	17,0 *0.669*	66 *2.598*	102,83 *4.048*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	B
T34-PH02B05-20X1.5-65R	10139359	MF20X1.5	1,5	7,27 *0.286*	17,0 *0.669*	80 *3.150*	117,73 *4.635*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	18,5 *0.728*	4	B
T34-PH02B05-22X1.5-65R	10139360	MF22X1.5	1,5	7,27 *0.286*	17,0 *0.669*	78 *3.071*	117,73 *4.635*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	B
T34-PH02B05-24X1.5-65R	10139361	MF24X1.5	1,5	7,41 *0.292*	20,0 *0.787*	93 *3.661*	132,59 *5.220*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,5 *0.886*	4	B

T34B-PHB

Fori passanti – Filettature MF

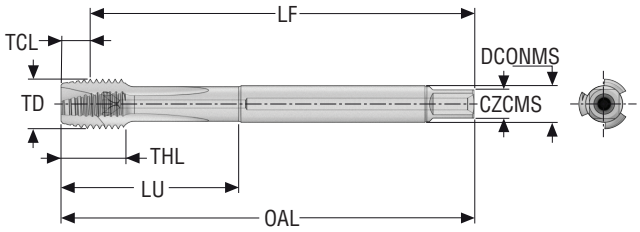


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34B-PH02B03-8X1-65R	10139362	MF8X1.0	1,0	4,45 *0.175*	13,0 *0.512*	35 *1.378*	85,55 *3.368*	93,4 *3.677*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	B
T34B-PH02B03-10X1-65R	10139363	MF10X1.0	1,0	5,25 *0.207*	13,0 *0.512*	35 *1.378*	84,75 *3.337*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	B

T34B-PHB

Fori passanti – Filettature MF

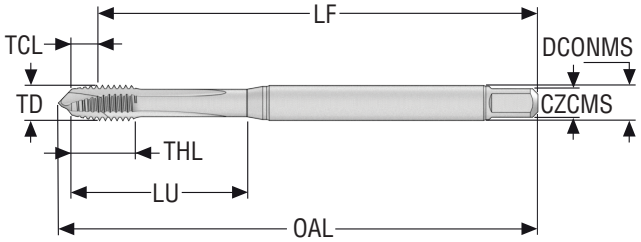


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34B-PH02B05-8X1-65R	10139364	MF8X1.0	1,0	4,75 *0.187*	10,0 *0.394*	35 *1.378*	85,25 *3.356*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	B
T34B-PH02B05-10X1-65R	10139365	MF10X1.0	1,0	4,85 *0.191*	10,0 *0.394*	35 *1.378*	85,15 *3.352*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	B
T34B-PH02B05-12X1.5-65R	10139366	MF12X1.5	1,5	7,07 *0.278*	15,0 *0.591*	73 *2.874*	92,93 *3.659*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	B
T34B-PH02B05-14X1.5-65R	10139367	MF14X1.5	1,5	7,17 *0.282*	15,0 *0.591*	71 *2.795*	92,83 *3.655*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	3	B
T34B-PH02B05-16X1.5-65R	10139368	MF16X1.5	1,5	7,27 *0.286*	15,0 *0.591*	58 *2.283*	92,73 *3.651*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	3	B

T34-PHB

Fori passanti – Filettature UNC

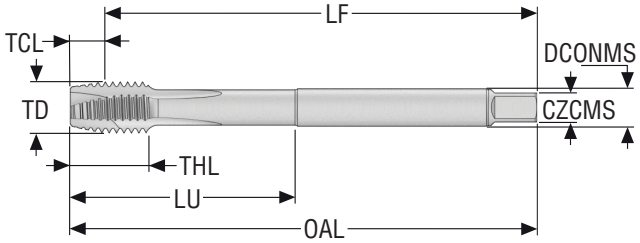


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH08B03-4-40-22R	10139041	UNC4-40	2,845 *0.112*	*40.0*	2,83 *0.111*	5,0 *0.197*	18 *0.709*	53,17 *2.093*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,35 *0.093*	3	B
T34-PH08B03-5-40-22R	10139042	UNC5-40	3,175 *0.125*	*40.0*	2,94 *0.116*	7,0 *0.276*	18 *0.709*	53,06 *2.089*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	B
T34-PH08B03-6-32-22R	10139043	UNC6-32	3,505 *0.138*	*32.0*	3,74 *0.147*	6,0 *0.236*	20 *0.787*	52,26 *2.057*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,85 *0.112*	3	B
T34-PH08B03-8-32-22R	10139044	UNC8-32	4,166 *0.164*	*32.0*	3,62 *0.143*	7,0 *0.276*	21 *0.827*	59,38 *2.338*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	B
T34-PH08B03-10-24-22R	10139045	UNC10-24	4,826 *0.190*	*24.0*	4,86 *0.191*	8,0 *0.315*	25 *0.984*	65,14 *2.565*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	3,9 *0.154*	3	B
T34-PH08B03-12-24-22R	10139046	UNC12-24	5,486 *0.216*	*24.0*	4,74 *0.187*	10,0 *0.394*	30 *1.181*	75,26 *2.963*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4,5 *0.177*	3	B
T34-PH08B03-1/4-20-22R	10139047	UNC1/4-20	6,35 *0.250*	*20.0*	5,65 *0.222*	13,0 *0.512*	32 *1.260*	74,35 *2.927*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,1 *0.201*	3	B
T34-PH08B03-5/16-18-22R	10139048	UNC5/16-18	7,937 *0.312*	*18.0*	6,31 *0.248*	13,0 *0.512*	35 *1.378*	83,69 *3.295*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,6 *0.260*	3	B
T34-PH08B03-3/8-16-22R	10139049	UNC3/8-16	9,525 *0.375*	*16.0*	7,37 *0.290*	15,0 *0.591*	39 *1.535*	92,63 *3.647*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,0 *0.315*	3	B

T34-PHB

Fori passanti – Filettature UNC

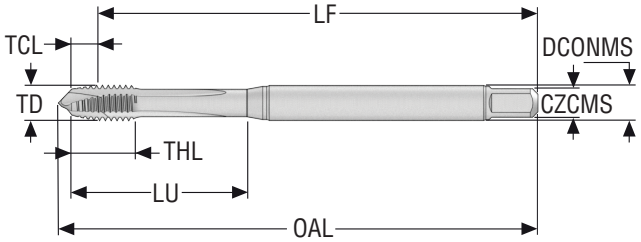


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH08B06-7/16-14-22R	10139050	UNC7/16-14	11,112 *0.437*	*14.0*	8,36 *0.329*	15,0 *0.591*	76 *2.992*	91,64 *3.608*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,3 *0.366*	3	B
T34-PH08B06-1/2-13-22R	10139051	UNC1/2-13	12,7 *0.500*	*13.0*	9,01 *0.355*	18,0 *0.709*	83 *3.268*	100,99 *3.976*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,7 *0.421*	3	B
T34-PH08B06-9/16-12-22R	10139052	UNC9/16-12	14,287 *0.562*	*12.0*	9,87 *0.389*	20,0 *0.787*	81 *3.189*	100,13 *3.942*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,3 *0.484*	3	B
T34-PH08B06-5/8-11-22R	10139053	UNC5/8-11	15,875 *0.625*	*11.0*	10,62 *0.418*	22,0 *0.866*	68 *2.677*	99,38 *3.913*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,5 *0.531*	3	B

T34-PHB

Fori passanti – Filettature UNF

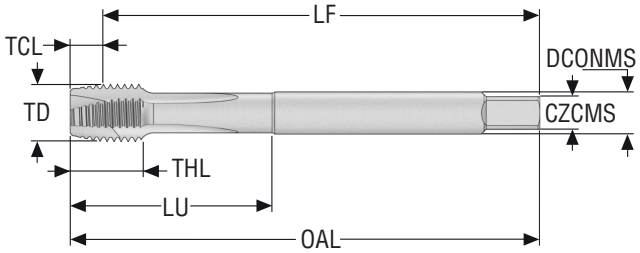


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH09B03-4-48-22R	10139369	UNF4-48	2,845 *0.112*	*48.0*	2,48 *0.098*	5,0 *0.197*	18 *0.709*	53,52 *2.107*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,4 *0.094*	3	B
T34-PH09B03-5-44-22R	10139370	UNF5-44	3,175 *0.125*	*44.0*	2,6 *0.102*	7,0 *0.276*	18 *0.709*	53,4 *2.102*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,7 *0.106*	3	B
T34-PH09B03-6-40-22R	10139371	UNF6-40	3,505 *0.138*	*40.0*	3,05 *0.120*	6,0 *0.236*	20 *0.787*	52,95 *2.085*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,95 *0.116*	3	B
T34-PH09B03-8-36-22R	10139372	UNF8-36	4,166 *0.164*	*36.0*	3,28 *0.129*	7,0 *0.276*	21 *0.827*	59,72 *2.351*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	B
T34-PH09B03-10-32-22R	10139373	UNF10-32	4,826 *0.190*	*32.0*	3,5 *0.138*	8,0 *0.315*	25 *0.984*	66,5 *2.618*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,1 *0.161*	3	B
T34-PH09B03-12-28-22R	10139374	UNF12-28	5,486 *0.216*	*28.0*	4,05 *0.159*	10,0 *0.394*	30 *1.181*	75,95 *2.990*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4,6 *0.181*	3	B
T34-PH09B03-1/4-28-22R	10139375	UNF1/4-28	6,35 *0.250*	*28.0*	3,94 *0.155*	10,0 *0.394*	30 *1.181*	76,06 *2.994*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,5 *0.217*	3	B
T34-PH09B03-5/16-24-22R	10139376	UNF5/16-24	7,937 *0.312*	*24.0*	4,6 *0.181*	13,0 *0.512*	35 *1.378*	85,4 *3.362*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,9 *0.272*	3	B
T34-PH09B03-3/8-24-22R	10139377	UNF3/8-24	9,525 *0.375*	*24.0*	4,98 *0.196*	15,0 *0.591*	35 *1.378*	85,02 *3.347*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	B

T34-PHB

Fori passanti – Filettature UNF

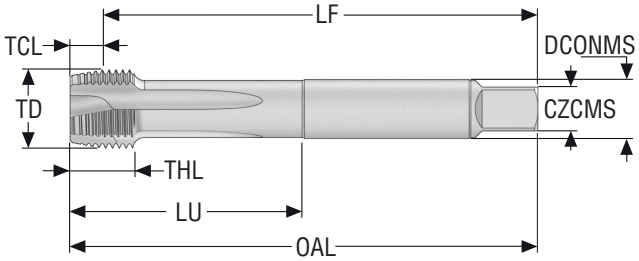


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH09B05-7/16-20-22R	10139378	UNF7/16-20	11,112 *0.437*	*20.0*	5,95 *0.234*	15,0 *0.591*	76 *2.992*	94,05 *3.703*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,9 *0.390*	3	B
T34-PH09B05-1/2-20-22R	10139379	UNF1/2-20	12,7 *0.500*	*20.0*	6,14 *0.242*	15,0 *0.591*	73 *2.874*	93,86 *3.695*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	3	B
T34-PH09B05-9/16-18-22R	10139380	UNF9/16-18	14,287 *0.562*	*18.0*	6,8 *0.268*	15,0 *0.591*	71 *2.795*	93,2 *3.669*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	3	B
T34-PH09B05-5/8-18-22R	10139381	UNF5/8-18	15,875 *0.625*	*18.0*	6,87 *0.270*	15,0 *0.591*	58 *2.283*	93,13 *3.667*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	3	B

T34-PHB

Fori passanti – Filettature G

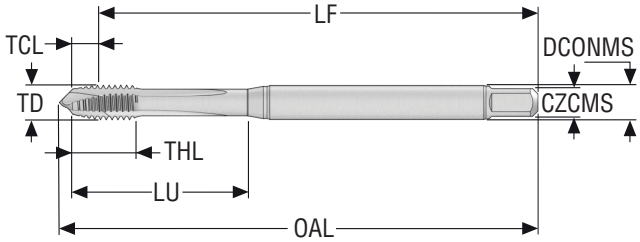


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL-X
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH21B09-1/8-28-12R	10139401	G1/8-28	9,728 *0.383*	*28.0*	4,49 *0.177*	10,0 *0.394*	36 *1.417*	85,51 *3.367*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	B
T34-PH21B09-1/4-19-12R	10139402	G1/4-19	13,157 *0.518*	*19.0*	6,85 *0.270*	14,0 *0.551*	71 *2.795*	93,15 *3.667*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	11,8 *0.465*	3	B
T34-PH21B09-3/8-19-12R	10139403	G3/8-19	16,662 *0.656*	*19.0*	6,97 *0.274*	15,0 *0.591*	58 *2.283*	93,03 *3.663*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	4	B
T34-PH21B09-1/2-14-12R	10139404	G1/2-14	20,955 *0.825*	*14.0*	9,0 *0.354*	17,0 *0.669*	80 *3.150*	116,0 *4.567*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,0 *0.748*	4	B
T34-PH21B09-5/8-14-12R	10139405	G5/8-14	22,911 *0.902*	*14.0*	9,4 *0.370*	20,0 *0.787*	78 *3.071*	115,6 *4.551*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	B
T34-PH21B09-3/4-14-12R	10139406	G3/4-14	26,441 *1.041*	*14.0*	9,16 *0.361*	20,0 *0.787*	77 *3.031*	130,84 *5.151*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	24,5 *0.965*	4	B
T34-PH21B09-7/8-14-12R	10139407	G7/8-14	30,201 *1.189*	*14.0*	9,03 *0.356*	22,0 *0.866*	85 *3.346*	140,97 *5.550*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,25 *1.112*	4	B
T34-PH21B09-1-11-12R	10139408	G1-11	33,249 *1.309*	*11.0*	11,49 *0.452*	24,0 *0.945*	93 *3.661*	148,51 *5.847*	160,0 *6.299*	25,0 *0.984*	25.00X20.00	30,75 *1.211*	4	B

T34-PHB

Fori passanti – Filettature EGM

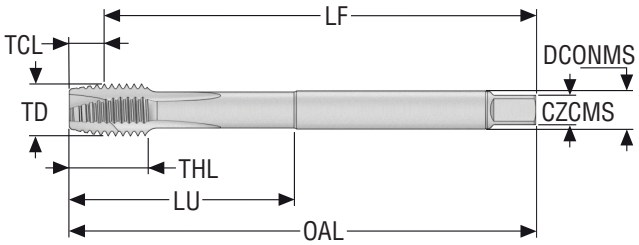


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H mod.
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH04B03-2X0.4-64R	10139382	EGM2	0,4	2,07 *0.081*	9,0 *0.354*	14 *0.551*	47,93 *1.887*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,1 *0.083*	2	B
T34-PH04B03-2.5X0.45-64R	10139383	EGM2.5	0,45	2,13 *0.084*	10,0 *0.394*	18 *0.709*	53,87 *2.121*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	B
T34-PH04B03-3X0.5-64R	10139384	EGM3	0,5	2,03 *0.080*	12,0 *0.472*	21 *0.827*	60,97 *2.400*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,15 *0.124*	3	B
T34-PH04B03-4X0.7-64R	10139385	EGM4	0,7	3,27 *0.129*	14,0 *0.551*	25 *0.984*	66,73 *2.627*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	B
T34-PH04B03-5X0.8-64R	10139386	EGM5	0,8	3,72 *0.146*	18,0 *0.709*	30 *1.181*	76,28 *3.003*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,25 *0.207*	3	B
T34-PH04B03-6X1-64R	10139387	EGM6	1,0	4,7 *0.185*	18,0 *0.709*	35 *1.378*	85,3 *3.358*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,3 *0.248*	3	B
T34-PH04B03-8X1.25-64R	10139388	EGM8	1,25	5,8 *0.228*	20,0 *0.787*	39 *1.535*	94,2 *3.709*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,4 *0.331*	3	B

T34-PHB

Fori passanti – Filettature EGM

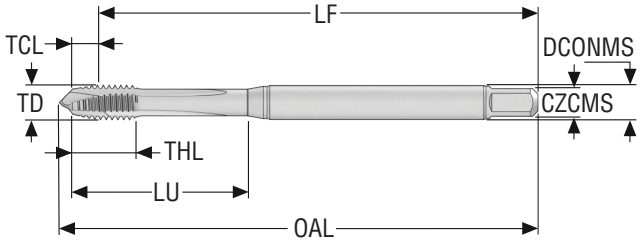


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H mod.
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH04B06-10X1.5-64R	10139409	EGM10	1,5	7,41 *0.292*	15,0 *0.591*	73 *2.874*	92,59 *3.645*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	B
T34-PH04B06-12X1.75-64R	10139410	EGM12	1,75	8,29 *0.326*	20,0 *0.787*	81 *3.189*	101,71 *4.004*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	B
T34-PH04B06-14X2-64R	10139411	EGM14	2,0	9,14 *0.360*	20,0 *0.787*	68 *2.677*	100,86 *3.971*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	B
T34-PH04B06-16X2-64R	10139412	EGM16	2,0	9,14 *0.360*	20,0 *0.787*	81 *3.189*	115,86 *4.561*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	B
T34-PH04B06-18X2.5-64R	10139413	EGM18	2,5	11,45 *0.451*	27,0 *1.063*	93 *3.661*	128,55 *5.061*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	18,75 *0.738*	4	B
T34-PH04B06-20X2.5-64R	10139414	EGM20	2,5	11,45 *0.451*	30,0 *1.181*	113 *4.449*	148,55 *5.848*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	20,75 *0.817*	4	B

T34-PHB

Fori passanti – Filettature EGUNC

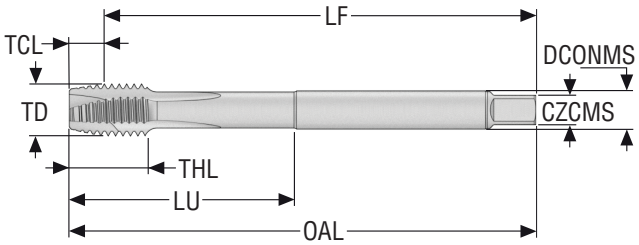


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH16B03-4-40-21R	10139389	EGUNC4-40	3,67 *0.144*	*40.0*	2,83 *0.111*	13,0 *0.512*	21 *0.827*	60,17 *2.369*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,1 *0.122*	3	B
T34-PH16B03-6-32-21R	10139390	EGUNC6-32	4,536 *0.179*	*32.0*	3,75 *0.148*	14,0 *0.551*	25 *0.984*	66,25 *2.608*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	B
T34-PH16B03-8-32-21R	10139391	EGUNC8-32	5,197 *0.205*	*32.0*	3,73 *0.147*	16,0 *0.630*	30 *1.181*	76,27 *3.003*	82,1 *3.232*	6,0 *0.236*	6.00X4.90	4,4 *0.173*	3	B
T34-PH16B03-10-24-21R	10139392	EGUNC10-24	6,2 *0.244*	*24.0*	3,5 *0.138*	17,0 *0.669*	30 *1.181*	76,5 *3.012*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,2 *0.205*	3	B
T34-PH16B03-1/4-20-21R	10139393	EGUNC1/4-20	8,001 *0.315*	*20.0*	5,71 *0.225*	20,0 *0.787*	35 *1.378*	84,29 *3.319*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	6,7 *0.264*	3	B
T34-PH16B03-5/16-18-21R	10139394	EGUNC5/16-18	9,771 *0.385*	*18.0*	6,61 *0.260*	22,0 *0.866*	39 *1.535*	93,39 *3.677*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,4 *0.331*	3	B

T34-PHB

Fori passanti – Filettature EGUNC

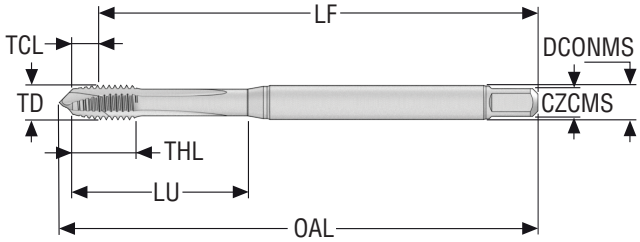


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH16B06-3/8-16-21R	10139415	EGUNC3/8-16	11,587 *0.456*	*16.0*	7,6 *0.299*	15,0 *0.591*	73 *2.874*	92,4 *3.638*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,0 *0.394*	3	B
T34-PH16B06-7/16-14-21R	10139416	EGUNC7/16-14	13,47 *0.530*	*14.0*	8,6 *0.339*	18,0 *0.709*	81 *3.189*	101,4 *3.992*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	11,6 *0.457*	3	B
T34-PH16B06-1/2-13-21R	10139417	EGUNC1/2-13	15,237 *0.600*	*13.0*	9,3 *0.366*	18,0 *0.709*	68 *2.677*	100,7 *3.965*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,3 *0.524*	3	B
T34-PH16B06-9/16-12-21R	10139418	EGUNC9/16-12	17,038 *0.671*	*12.0*	9,7 *0.382*	20,0 *0.787*	68 *2.677*	100,3 *3.949*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,9 *0.587*	4	B
T34-PH16B06-5/8-11-21R	10139419	EGUNC5/8-11	18,875 *0.743*	*11.0*	10,6 *0.417*	20,0 *0.787*	81 *3.189*	114,4 *4.504*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	B
T34-PH16B06-3/4-10-21R	10139420	EGUNC3/4-10	22,349 *0.880*	*10.0*	11,8 *0.465*	25,0 *0.984*	93 *3.661*	128,2 *5.047*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,75 *0.778*	4	B

T34-PHB

Fori passanti – Filettature EGUNF

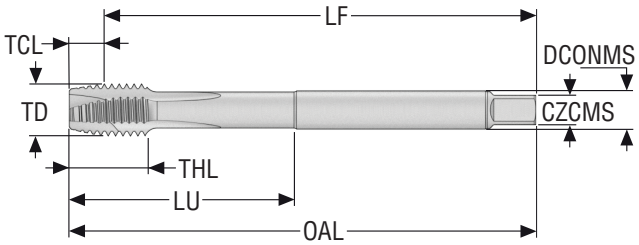


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH17B03-4-48-21R	10139395	EGUNF4-48	3,533 *0.139*	*48.0*	2,36 *0.093*	9,0 *0.354*	20 *0.787*	53,64 *2.112*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	3,0 *0.118*	3	B
T34-PH17B03-6-40-21R	10139396	EGUNF6-40	4,331 *0.171*	*40.0*	2,75 *0.108*	10,0 *0.394*	25 *0.984*	67,25 *2.648*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,7 *0.146*	3	B
T34-PH17B03-8-36-21R	10139397	EGUNF8-36	5,083 *0.200*	*36.0*	2,93 *0.115*	13,0 *0.512*	30 *1.181*	77,07 *3.034*	82,1 *3.232*	6,0 *0.236*	6.00X4.90	4,4 *0.173*	3	B
T34-PH17B03-10-32-21R	10139398	EGUNF10-32	5,857 *0.231*	*32.0*	3,5 *0.138*	13,0 *0.512*	30 *1.181*	76,5 *3.012*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,1 *0.201*	3	B
T34-PH17B03-1/4-28-21R	10139399	EGUNF1/4-28	7,529 *0.296*	*28.0*	4,09 *0.161*	17,0 *0.669*	35 *1.378*	85,91 *3.382*	93,2 *3.669*	8,0 *0.315*	8.00X6.20	6,6 *0.260*	3	B
T34-PH17B03-5/16-24-21R	10139400	EGUNF5/16-24	9,312 *0.367*	*24.0*	5,1 *0.201*	18,0 *0.709*	35 *1.378*	84,97 *3.345*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,25 *0.325*	3	B

T34-PHB

Fori passanti – Filettature EGUNF

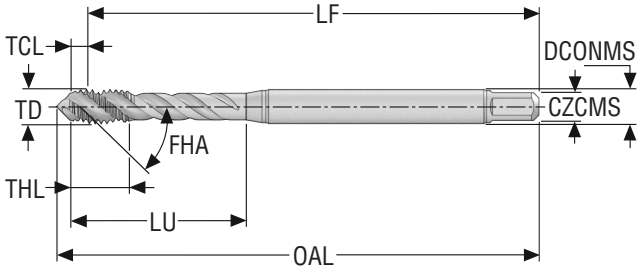


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-PH17B06-3/8-24-21R	10139421	EGUNF3/8-24	10,899 *0.429*	*24.0*	4,43 *0.174*	12,0 *0.472*	66 *2.598*	85,57 *3.369*	90,0 *3.543*	8,0 *0.315*	8.00X6.00	9,8 *0.386*	3	B
T34-PH17B06-7/16-20-21R	10139422	EGUNF7/16-20	12,763 *0.502*	*20.0*	6,2 *0.244*	15,0 *0.591*	73 *2.874*	93,8 *3.693*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	3	B
T34-PH17B06-1/2-20-21R	10139423	EGUNF1/2-20	14,351 *0.565*	*20.0*	6,2 *0.244*	15,0 *0.591*	71 *2.795*	93,8 *3.693*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,1 *0.516*	3	B
T34-PH17B06-9/16-18-21R	10139424	EGUNF9/16-18	16,121 *0.635*	*18.0*	6,9 *0.272*	15,0 *0.591*	58 *2.283*	93,1 *3.665*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,7 *0.579*	4	B
T34-PH17B06-5/8-18-21R	10139425	EGUNF5/8-18	17,709 *0.697*	*18.0*	6,9 *0.272*	15,0 *0.591*	66 *2.598*	103,1 *4.059*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,25 *0.640*	4	B
T34-PH17B06-3/4-16-21R	10139426	EGUNF3/4-16	21,112 *0.831*	*16.0*	7,9 *0.311*	17,0 *0.669*	80 *3.150*	117,1 *4.610*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,5 *0.768*	4	B

T34-R45HC-micro

Fori ciechi – Filettature metriche grosse

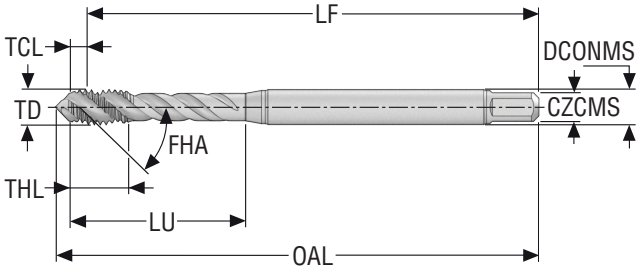


- Substrato: HSS-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 4H
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01C03-1X0.25-41R	10138952	M1	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	40,9 *1.610*	2,5 *0.098*	2.50X2.10	0,75 *0.030*	2	C
T34-R45H01C03-1.1X0.25-41R	10138953	M1.1	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	41,0 *1.614*	2,5 *0.098*	2.50X2.10	0,85 *0.033*	2	C
T34-R45H01C03-1.2X0.25-41R	10138954	M1.2	0,25	0,59 *0.023*	6,0 *0.236*	13 *0.512*	39,41 *1.552*	41,1 *1.618*	2,5 *0.098*	2.50X2.10	0,95 *0.037*	2	C
T34-R45H01C03-1.4X0.3-41R	10138955	M1.4	0,3	0,69 *0.027*	8,0 *0.315*	13 *0.512*	39,31 *1.548*	41,3 *1.626*	2,5 *0.098*	2.50X2.10	1,1 *0.043*	2	C

T34-R45HC-micro

Fori ciechi – Filettature metriche grosse

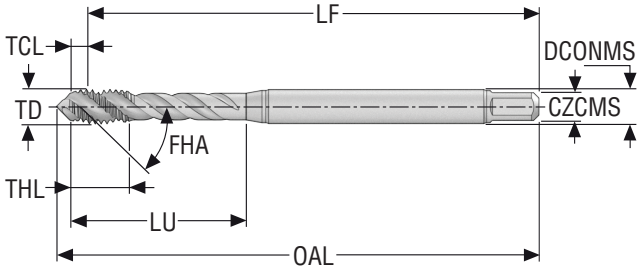


- Substrato: HSS-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01C03-1.6X0.35-63R	10138956	M1.6	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,4 *1.630*	2,5 *0.098*	2.50X2.10	1,25 *0.049*	2	C
T34-R45H01C03-1.7X0.35-63R	10138957	M1.7	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,5 *1.634*	2,5 *0.098*	2.50X2.10	1,35 *0.053*	2	C
T34-R45H01C03-1.8X0.35-63R	10138958	M1.8	0,35	0,8 *0.031*	8,0 *0.315*	13 *0.512*	39,2 *1.543*	41,6 *1.638*	2,5 *0.098*	2.50X2.10	1,45 *0.057*	2	C
T34-R45H01C03-2X0.4-63R	10138959	M2	0,4	1,05 *0.041*	10,0 *0.394*	13 *0.512*	43,95 *1.730*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,6 *0.063*	2	C
T34-R45H01C03-2.2X0.45-63R	10138960	M2.2	0,45	1,15 *0.045*	10,0 *0.394*	13 *0.512*	43,85 *1.726*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,75 *0.069*	2	C
T34-R45H01C03-2.3X0.4-63R	10138961	M2.3	0,4	1,05 *0.041*	10,0 *0.394*	13 *0.512*	43,95 *1.730*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,9 *0.075*	2	C
T34-R45H01C03-2.5X0.45-63R	10138962	M2.5	0,45	1,06 *0.042*	5,0 *0.197*	14 *0.551*	48,94 *1.927*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,05 *0.081*	2	C
T34-R45H01C03-2.6X0.45-63R	10138963	M2.6	0,45	1,15 *0.045*	5,0 *0.197*	14 *0.551*	48,85 *1.923*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,15 *0.085*	2	C

T34-R45HC

Fori ciechi – Filettature metriche grosse

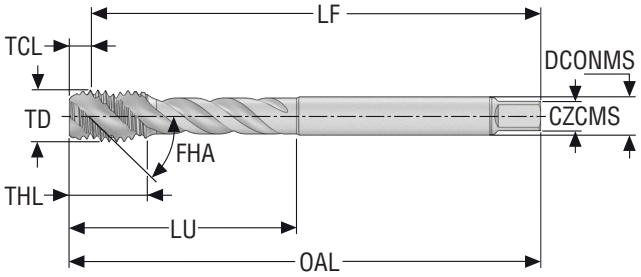


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01C03-3X0.5-65R	10138964	M3	0,5	1,2 *0.047*	5,0 *0.197*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	C
T34-R45H01C03-3.5X0.6-65R	10138966	M3.5	0,6	1,31 *0.052*	6,0 *0.236*	20 *0.787*	54,69 *2.153*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	C
T34-R45H01C03-4X0.7-65R	10138967	M4	0,7	1,82 *0.072*	7,0 *0.276*	21 *0.827*	61,18 *2.409*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	C
T34-R45H01C03-4.5X0.75-65R	10138968	M4.5	0,75	1,82 *0.072*	7,5 *0.295*	25 *0.984*	68,18 *2.684*	71,8 *2.827*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	C
T34-R45H01C03-5X0.8-65R	10138969	M5	0,8	2,01 *0.079*	8,0 *0.315*	25 *0.984*	67,99 *2.677*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T34-R45H01C03-6X1-65R	10138970	M6	1,0	2,32 *0.091*	10,0 *0.394*	30 *1.181*	77,68 *3.058*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T34-R45H01C03-8X1.25-65R	10138971	M8	1,25	3,16 *0.124*	13,0 *0.512*	35 *1.378*	86,84 *3.419*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T34-R45H01C03-10X1.5-65R	10138972	M10	1,5	3,81 *0.150*	15,0 *0.591*	39 *1.535*	96,19 *3.787*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T34-R45HC

Fori ciechi – Filettature metriche grosse

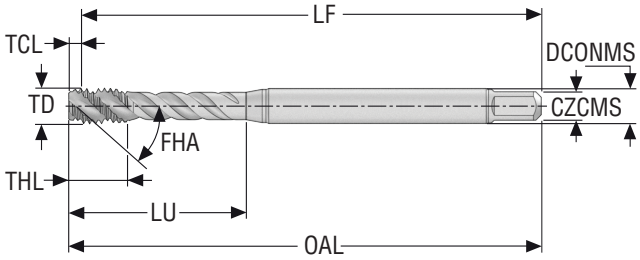


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01C06-12X1.75-65R	10138973	M12	1,75	4,47 *0.176*	18,0 *0.709*	83 *3.268*	105,53 *4.155*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T34-R45H01C06-14X2-65R	10138974	M14	2,0	5,11 *0.201*	20,0 *0.787*	81 *3.189*	104,89 *4.130*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	4	C
T34-R45H01C06-16X2-65R	10138975	M16	2,0	5,21 *0.205*	20,0 *0.787*	68 *2.677*	104,79 *4.126*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C
T34-R45H01C06-18X2.5-65R	10138976	M18	2,5	6,28 *0.247*	25,0 *0.984*	81 *3.189*	118,72 *4.674*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	15,5 *0.610*	4	C
T34-R45H01C06-20X2.5-65R	10138977	M20	2,5	6,28 *0.247*	25,0 *0.984*	95 *3.740*	133,72 *5.265*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	17,5 *0.689*	4	C
T34-R45H01C06-22X2.5-65R	10138978	M22	2,5	6,28 *0.247*	25,0 *0.984*	93 *3.661*	133,72 *5.265*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,5 *0.768*	4	C
T34-R45H01C06-24X3-65R	10138979	M24	3,0	7,48 *0.294*	30,0 *1.181*	113 *4.449*	152,52 *6.005*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T34-R45H01C06-27X3-65R	10138980	M27	3,0	7,68 *0.302*	30,0 *1.181*	97 *3.819*	152,32 *5.997*	160,0 *6.299*	20,0 *0.787*	20.00X16.00	24,0 *0.945*	4	C
T34-R45H01C06-30X3.5-65R	10138981	M30	3,5	8,75 *0.344*	35,0 *1.378*	115 *4.528*	171,25 *6.742*	180,0 *7.087*	22,0 *0.866*	22.00X18.00	26,5 *1.043*	4	C
T34-R45H01C06-33X3.5-65R	10138982	M33	3,5	8,75 *0.344*	35,0 *1.378*	113 *4.449*	171,25 *6.742*	180,0 *7.087*	25,0 *0.984*	25.00X20.00	29,5 *1.161*	4	C
T34-R45H01C06-36X4-65R	10138983	M36	4,0	10,02 *0.394*	40,0 *1.575*	131 *5.157*	189,98 *7.480*	200,0 *7.874*	28,0 *1.102*	28.00X22.00	32,0 *1.260*	4	C

T34-R45HE

Fori ciechi – Filettature metriche grosse

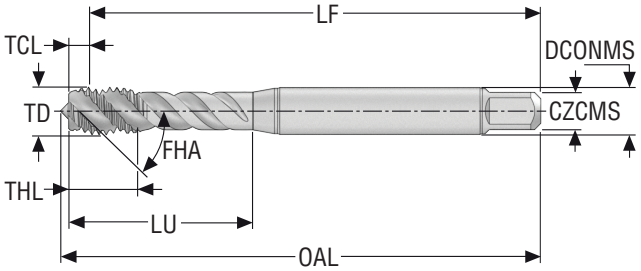


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01E03-3X0.5-65R	10138991	M3	0,5	0,81 *0.032*	5,0 *0.197*	18 *0.709*	55,19 *2.173*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,5 *0.098*	3	E
T34-R45H01E03-3.5X0.6-65R	10138992	M3.5	0,6	0,94 *0.037*	6,0 *0.236*	20 *0.787*	55,06 *2.168*	56,0 *2.205*	4,0 *0.157*	4.00X3.00	2,9 *0.114*	3	E
T34-R45H01E03-4X0.7-65R	10138993	M4	0,7	1,18 *0.046*	7,0 *0.276*	21 *0.827*	61,82 *2.434*	63,0 *2.480*	4,5 *0.177*	4.50X3.40	3,3 *0.130*	3	E
T34-R45H01E03-4.5X0.75-65R	10138994	M4.5	0,75	1,18 *0.046*	7,5 *0.295*	25 *0.984*	68,82 *2.709*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	E
T34-R45H01E03-5X0.8-65R	10138995	M5	0,8	1,31 *0.052*	8,0 *0.315*	25 *0.984*	68,69 *2.704*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	E
T34-R45H01E03-6X1-65R	10138996	M6	1,0	1,57 *0.062*	10,0 *0.394*	30 *1.181*	78,43 *3.088*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	E
T34-R45H01E03-8X1.25-65R	10138997	M8	1,25	2,23 *0.088*	13,0 *0.512*	35 *1.378*	87,77 *3.456*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	E
T34-R45H01E03-10X1.5-65R	10138998	M10	1,5	2,6 *0.102*	15,0 *0.591*	39 *1.535*	97,4 *3.835*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	E

T34-R45HE

Fori ciechi – Filettature metriche grosse

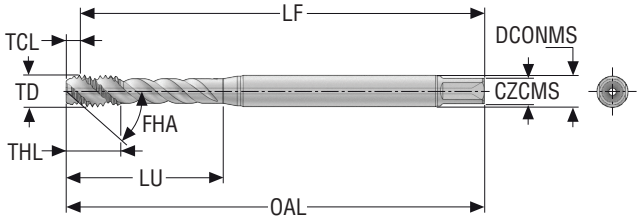


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H01E06-12X1.75-65R	10138999	M12	1,75	3,18 *0.125*	18,0 *0.709*	83 *3.268*	106,82 *4.206*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	E
T34-R45H01E06-14X2-65R	10139000	M14	2,0	3,65 *0.144*	20,0 *0.787*	81 *3.189*	106,35 *4.187*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	4	E
T34-R45H01E06-16X2-65R	10139001	M16	2,0	3,75 *0.148*	20,0 *0.787*	68 *2.677*	106,25 *4.183*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	E

T34A-R45HC

Fori ciechi – Filettature metriche grosse

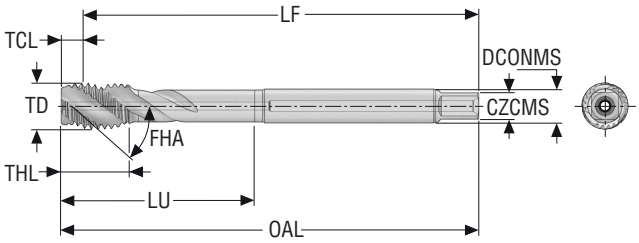


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34A-R45H01C03-5X0.8-65R	10138984	M5	0,8	1,94 *0.076*	8,0 *0.315*	25 *0.984*	68,06 *2.680*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	C
T34A-R45H01C03-6X1-65R	10138985	M6	1,0	2,32 *0.091*	10,0 *0.394*	30 *1.181*	77,68 *3.058*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	3	C
T34A-R45H01C03-8X1.25-65R	10138986	M8	1,25	3,16 *0.124*	13,0 *0.512*	35 *1.378*	86,84 *3.419*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,8 *0.268*	3	C
T34A-R45H01C05-10X1.5-65R	10138987	M10	1,5	3,81 *0.150*	17,0 *0.669*	39 *1.535*	96,19 *3.787*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T34A-R45HC

Fori ciechi – Filettature metriche grosse

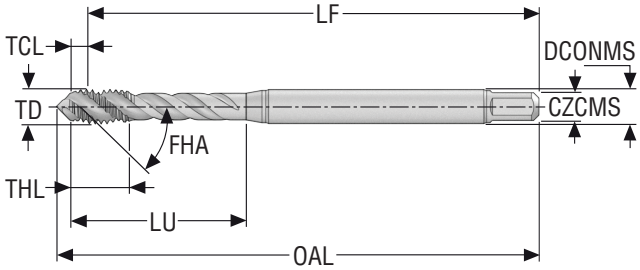


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34A-R45H01C06-12X1.75-65R	10138988	M12	1,75	4,47 *0.176*	18,0 *0.709*	83 *3.268*	105,53 *4.155*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,2 *0.402*	3	C
T34A-R45H01C06-14X2-65R	10138989	M14	2,0	5,11 *0.201*	20,0 *0.787*	81 *3.189*	104,89 *4.130*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,0 *0.472*	4	C
T34A-R45H01C06-16X2-65R	10138990	M16	2,0	5,21 *0.205*	20,0 *0.787*	68 *2.677*	104,79 *4.126*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,0 *0.551*	4	C

T34-R45HC

Fori ciechi – Filettature MF

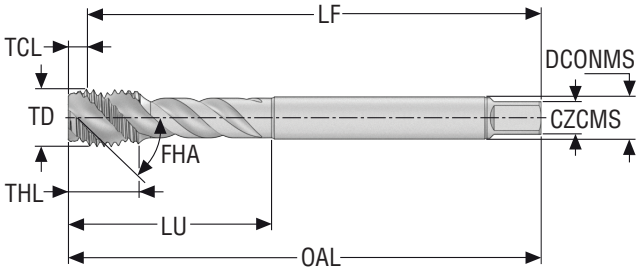


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H02C03-3X0.35-65R	10139002	MF3X0.35	0,35	0,7 *0.028*	5,0 *0.197*	18 *0.709*	55,3 *2.177*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	C
T34-R45H02C03-3.5X0.35-65R	10139003	MF3.5X0.35	0,35	0,69 *0.027*	5,0 *0.197*	20 *0.787*	55,31 *2.178*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	3,15 *0.124*	3	C
T34-R45H02C03-4X0.5-65R	10139004	MF4X0.5	0,5	1,31 *0.052*	7,0 *0.276*	21 *0.827*	61,69 *2.429*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	C
T34-R45H02C03-5X0.5-65R	10139005	MF5X0.5	0,5	1,2 *0.047*	8,0 *0.315*	25 *0.984*	68,8 *2.709*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,5 *0.177*	3	C
T34-R45H02C03-6X0.5-65R	10139006	MF6X0.5	0,5	1,22 *0.048*	10,0 *0.394*	30 *1.181*	78,78 *3.102*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,5 *0.217*	3	C
T34-R45H02C03-6X0.75-65R	10139007	MF6X0.75	0,75	1,77 *0.070*	10,0 *0.394*	30 *1.181*	78,23 *3.080*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,2 *0.205*	3	C
T34-R45H02C03-8X0.75-65R	10139008	MF8X0.75	0,75	2,07 *0.081*	10,0 *0.394*	30 *1.181*	77,93 *3.068*	81,7 *3.217*	8,0 *0.315*	8.00X6.20	7,2 *0.283*	3	C
T34-R45H02C03-8X1-65R	10139009	MF8X1.0	1,0	2,62 *0.103*	13,0 *0.512*	35 *1.378*	87,38 *3.440*	91,7 *3.610*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	C
T34-R45H02C03-10X0.75-65R	10139011	MF10X0.75	0,75	2,17 *0.085*	13,0 *0.512*	35 *1.378*	87,83 *3.458*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,2 *0.362*	3	C
T34-R45H02C03-10X1-65R	10139012	MF10X1.0	1,0	2,72 *0.107*	13,0 *0.512*	35 *1.378*	87,28 *3.436*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	C
T34-R45H02C03-10X1.25-65R	10139013	MF10X1.25	1,25	3,26 *0.128*	15,0 *0.591*	39 *1.535*	96,74 *3.809*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	8,8 *0.346*	3	C

T34-R45HC

Fori ciechi – Filettature MF

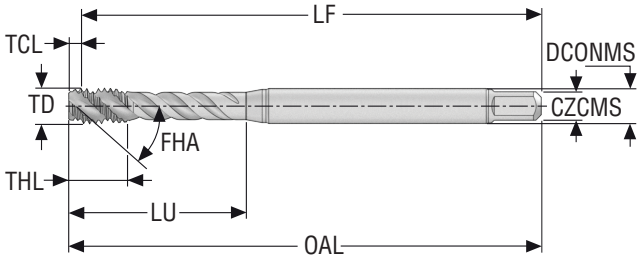


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H02C05-8X1-65R	10139014	MF8X1.0	1,0	2,62 *0.103*	10,0 *0.394*	35 *1.378*	87,38 *3.440*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	C
T34-R45H02C05-10X1-65R	10139015	MF10X1.0	1,0	2,62 *0.103*	10,0 *0.394*	35 *1.378*	87,38 *3.440*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	C
T34-R45H02C05-12X1-65R	10139016	MF12X1.0	1,0	2,83 *0.111*	10,0 *0.394*	73 *2.874*	97,17 *3.826*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,0 *0.433*	3	C
T34-R45H02C05-12X1.25-65R	10139017	MF12X1.25	1,25	3,38 *0.133*	15,0 *0.591*	73 *2.874*	96,62 *3.804*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,8 *0.425*	3	C
T34-R45H02C05-12X1.5-65R	10139018	MF12X1.5	1,5	3,93 *0.155*	15,0 *0.591*	73 *2.874*	96,07 *3.782*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	C
T34-R45H02C05-14X1.5-65R	10139019	MF14X1.5	1,5	4,03 *0.159*	15,0 *0.591*	71 *2.795*	95,97 *3.778*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	C
T34-R45H02C05-16X1.5-65R	10139020	MF16X1.5	1,5	4,13 *0.163*	15,0 *0.591*	58 *2.283*	95,87 *3.774*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C
T34-R45H02C05-18X1.5-65R	10139021	MF18X1.5	1,5	4,13 *0.163*	17,0 *0.669*	66 *2.598*	105,87 *4.168*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	C
T34-R45H02C05-20X1.5-65R	10139022	MF20X1.5	1,5	4,13 *0.163*	17,0 *0.669*	80 *3.150*	120,87 *4.759*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	18,5 *0.728*	4	C
T34-R45H02C05-22X1.5-65R	10139023	MF22X1.5	1,5	4,13 *0.163*	17,0 *0.669*	78 *3.071*	120,87 *4.759*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	20,5 *0.807*	4	C
T34-R45H02C05-24X1.5-65R	10139024	MF24X1.5	1,5	4,25 *0.167*	20,0 *0.787*	93 *3.661*	135,75 *5.344*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	22,5 *0.886*	4	C

T34-R45HE

Fori ciechi – Filettature MF

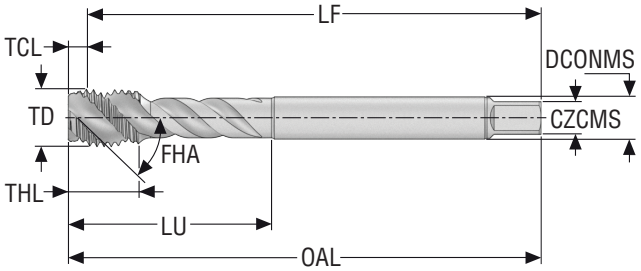


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H02E03-8X1-65R	10139032	MF8X1.0	1,0	1,87 *0.074*	13,0 *0.512*	35 *1.378*	88,13 *3.470*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	E
T34-R45H02E03-10X1-65R	10139033	MF10X1.0	1,0	1,97 *0.078*	13,0 *0.512*	35 *1.378*	88,03 *3.466*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	E

T34-R45HE

Fori ciechi – Filettature MF

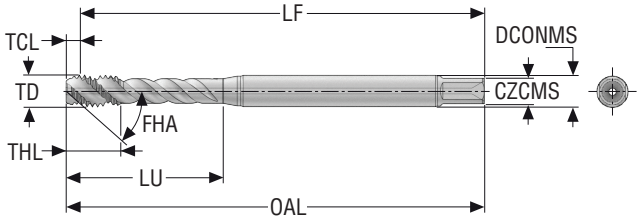


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H02E05-8X1-65R	10139034	MF8X1.0	1,0	1,87 *0.074*	10,0 *0.394*	35 *1.378*	88,13 *3.470*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	E
T34-R45H02E05-10X1-65R	10139035	MF10X1.0	1,0	1,87 *0.074*	10,0 *0.394*	35 *1.378*	88,13 *3.470*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	E
T34-R45H02E05-12X1.5-65R	10139036	MF12X1.5	1,5	2,81 *0.111*	15,0 *0.591*	73 *2.874*	97,19 *3.826*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	E
T34-R45H02E05-14X1.5-65R	10139037	MF14X1.5	1,5	3,01 *0.119*	15,0 *0.591*	71 *2.795*	96,99 *3.819*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	E
T34-R45H02E05-16X1.5-65R	10139038	MF16X1.5	1,5	3,01 *0.119*	15,0 *0.591*	58 *2.283*	96,99 *3.819*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	E

T34A-R45HC

Fori ciechi – Filettature MF

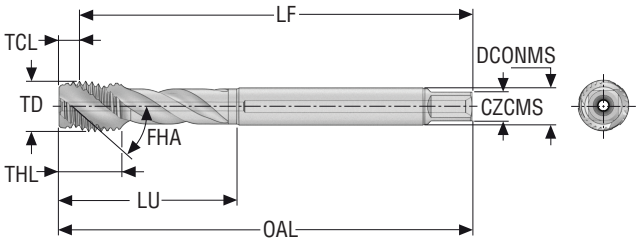


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34A-R45H02C03-8X1-65R	10139025	MF8X1.0	1,0	2,62 *0.103*	13,0 *0.512*	35 *1.378*	87,38 *3.440*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	C
T34A-R45H02C03-10X1-65R	10139026	MF10X1.0	1,0	2,72 *0.107*	13,0 *0.512*	35 *1.378*	87,28 *3.436*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	C

T34A-R45HC

Fori ciechi – Filettature MF

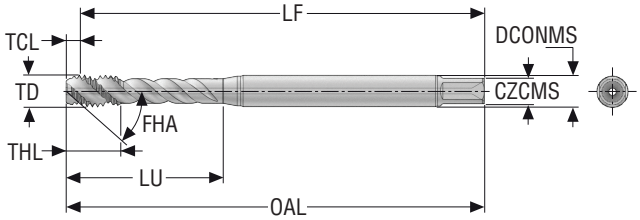


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34A-R45H02C05-8X1-65R	10139027	MF8X1.0	1,0	2,62 *0.103*	10,0 *0.394*	35 *1.378*	87,38 *3.440*	90,0 *3.543*	6,0 *0.236*	6.00X4.90	7,0 *0.276*	3	C
T34A-R45H02C05-10X1-65R	10139028	MF10X1.0	1,0	2,62 *0.103*	10,0 *0.394*	35 *1.378*	87,38 *3.440*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,0 *0.354*	3	C
T34A-R45H02C05-12X1.5-65R	10139029	MF12X1.5	1,5	3,93 *0.155*	15,0 *0.591*	73 *2.874*	96,07 *3.782*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	C
T34A-R45H02C05-14X1.5-65R	10139030	MF14X1.5	1,5	4,03 *0.159*	15,0 *0.591*	71 *2.795*	95,97 *3.778*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	C
T34A-R45H02C05-16X1.5-65R	10139031	MF16X1.5	1,5	4,13 *0.163*	15,0 *0.591*	58 *2.283*	95,87 *3.774*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C

T34A-R45HE

Fori ciechi – Filettature MF

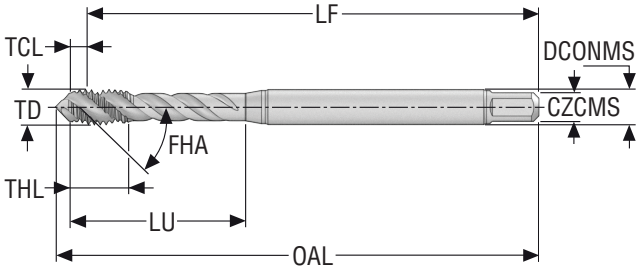


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34A-R45H02E03-8X1-65R	10139039	MF8X1.0	1,0	1,87 *0.074*	13,0 *0.512*	35 *1.378*	88,13 *3.470*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	7,0 *0.276*	3	E
T34A-R45H02E03-10X1-65R	10139040	MF10X1.0	1,0	1,97 *0.078*	13,0 *0.512*	35 *1.378*	88,03 *3.466*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,0 *0.354*	3	E

T34-R45HC

Fori ciechi – Filettature UNC

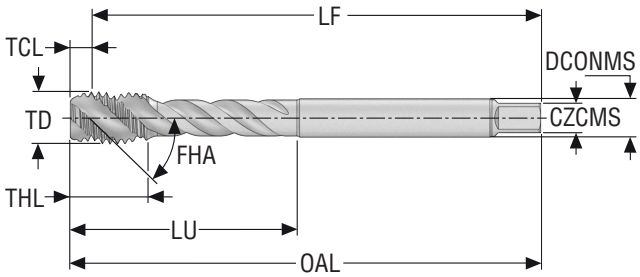


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H08C03-4-40-22R	10139054	UNC4-40	2,845 *0.112*	*40.0*	1,48 *0.058*	5,0 *0.197*	18 *0.709*	54,52 *2.146*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,35 *0.093*	3	C
T34-R45H08C03-5-40-22R	10139055	UNC5-40	3,175 *0.125*	*40.0*	1,53 *0.060*	7,0 *0.276*	18 *0.709*	54,47 *2.144*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	C
T34-R45H08C03-6-32-22R	10139056	UNC6-32	3,505 *0.138*	*32.0*	1,95 *0.077*	6,0 *0.236*	20 *0.787*	54,05 *2.128*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,85 *0.112*	3	C
T34-R45H08C03-8-32-22R	10139057	UNC8-32	4,166 *0.164*	*32.0*	1,89 *0.074*	7,0 *0.276*	21 *0.827*	61,11 *2.406*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	C
T34-R45H08C03-10-24-22R	10139058	UNC10-24	4,826 *0.190*	*24.0*	2,53 *0.100*	8,0 *0.315*	25 *0.984*	67,47 *2.656*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	3,9 *0.154*	3	C
T34-R45H08C03-12-24-22R	10139059	UNC12-24	5,486 *0.216*	*24.0*	2,47 *0.097*	10,0 *0.394*	30 *1.181*	77,53 *3.052*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4,5 *0.177*	3	C
T34-R45H08C03-1/4-20-22R	10139060	UNC1/4-20	6,35 *0.250*	*20.0*	2,94 *0.116*	13,0 *0.512*	32 *1.260*	77,06 *3.034*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,1 *0.201*	3	C
T34-R45H08C03-5/16-18-22R	10139061	UNC5/16-18	7,937 *0.312*	*18.0*	3,59 *0.141*	13,0 *0.512*	35 *1.378*	86,41 *3.402*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,6 *0.260*	3	C
T34-R45H08C03-3/8-16-22R	10139062	UNC3/8-16	9,525 *0.375*	*16.0*	4,03 *0.159*	15,0 *0.591*	39 *1.535*	95,97 *3.778*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,0 *0.315*	3	C

T34-R45HC

Fori ciechi – Filettature UNC

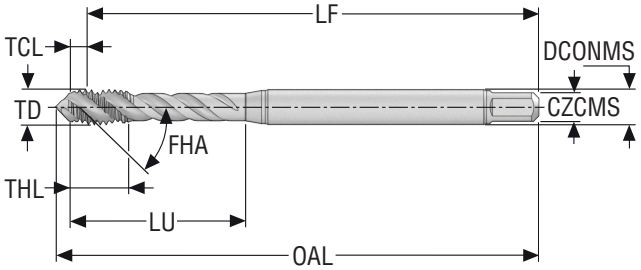


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2BX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H08C06-7/16-14-22R	10139063	UNC7/16-14	11,112 *0.437*	*14.0*	4,65 *0.183*	15,0 *0.591*	76 *2.992*	95,35 *3.754*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,3 *0.366*	3	C
T34-R45H08C06-1/2-13-22R	10139064	UNC1/2-13	12,7 *0.500*	*13.0*	4,99 *0.196*	18,0 *0.709*	83 *3.268*	105,01 *4.134*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	10,7 *0.421*	4	C
T34-R45H08C06-9/16-12-22R	10139065	UNC9/16-12	14,287 *0.562*	*12.0*	5,43 *0.214*	20,0 *0.787*	81 *3.189*	104,57 *4.117*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,3 *0.484*	4	C
T34-R45H08C06-5/8-11-22R	10139066	UNC5/8-11	15,875 *0.625*	*11.0*	5,87 *0.231*	22,0 *0.866*	68 *2.677*	104,13 *4.100*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,5 *0.531*	4	C

T34-R45HC

Fori ciechi – Filettature UNF

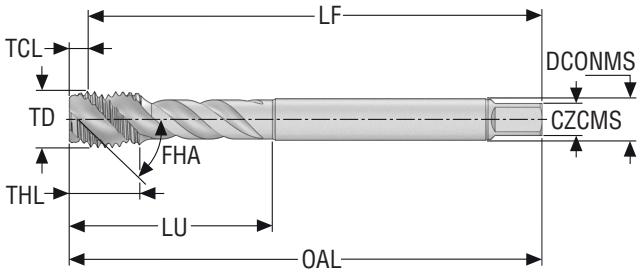


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H09C03-4-48-22R	10139067	UNF4-48	2,845 *0.112*	*48.0*	1,29 *0.051*	5,0 *0.197*	18 *0.709*	54,71 *2.154*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,4 *0.094*	3	C
T34-R45H09C03-5-44-22R	10139068	UNF5-44	3,175 *0.125*	*44.0*	1,35 *0.053*	7,0 *0.276*	18 *0.709*	54,65 *2.152*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,7 *0.106*	3	C
T34-R45H09C03-6-40-22R	10139073	UNF6-40	3,505 *0.138*	*40.0*	1,59 *0.063*	6,0 *0.236*	20 *0.787*	54,41 *2.142*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	2,95 *0.116*	3	C
T34-R45H09C03-8-36-22R	10139074	UNF8-36	4,166 *0.164*	*36.0*	1,71 *0.067*	7,0 *0.276*	21 *0.827*	61,29 *2.413*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,5 *0.138*	3	C
T34-R45H09C03-10-32-22R	10139075	UNF10-32	4,826 *0.190*	*32.0*	2,0 *0.079*	8,0 *0.315*	25 *0.984*	68,0 *2.677*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,1 *0.161*	3	C
T34-R45H09C03-12-28-22R	10139076	UNF12-28	5,486 *0.216*	*28.0*	2,11 *0.083*	10,0 *0.394*	30 *1.181*	77,89 *3.067*	82,2 *3.236*	6,0 *0.236*	6.00X4.90	4,6 *0.181*	3	C
T34-R45H09C03-1/4-28-22R	10139077	UNF1/4-28	6,35 *0.250*	*28.0*	2,23 *0.088*	10,0 *0.394*	30 *1.181*	77,77 *3.062*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,5 *0.217*	3	C
T34-R45H09C03-5/16-24-22R	10139078	UNF5/16-24	7,937 *0.312*	*24.0*	2,87 *0.113*	13,0 *0.512*	35 *1.378*	87,13 *3.430*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,9 *0.272*	3	C
T34-R45H09C03-3/8-24-22R	10139079	UNF3/8-24	9,525 *0.375*	*24.0*	2,96 *0.117*	15,0 *0.591*	35 *1.378*	87,04 *3.427*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,5 *0.335*	3	C

T34-R45HC

Fori ciechi – Filettature UNF

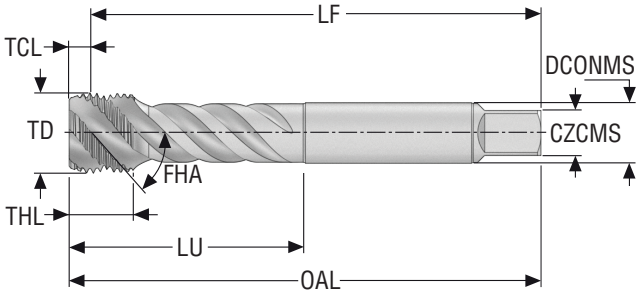


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN374
- Classe di tolleranza della filettatura: 2BX
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H09C05-7/16-20-22R	10139080	UNF7/16-20	11,112 *0.437*	*20.0*	3,39 *0.133*	15,0 *0.591*	76 *2.992*	96,61 *3.804*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	9,9 *0.390*	3	C
T34-R45H09C05-1/2-20-22R	10139081	UNF1/2-20	12,7 *0.500*	*20.0*	3,56 *0.140*	15,0 *0.591*	73 *2.874*	96,44 *3.797*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	4	C
T34-R45H09C05-9/16-18-22R	10139082	UNF9/16-18	14,287 *0.562*	*18.0*	3,86 *0.152*	15,0 *0.591*	71 *2.795*	96,14 *3.785*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,0 *0.512*	4	C
T34-R45H09C05-5/8-18-22R	10139083	UNF5/8-18	15,875 *0.625*	*18.0*	3,91 *0.154*	15,0 *0.591*	58 *2.283*	96,09 *3.783*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	C

T34-R45HC

Fori ciechi – Filettature G

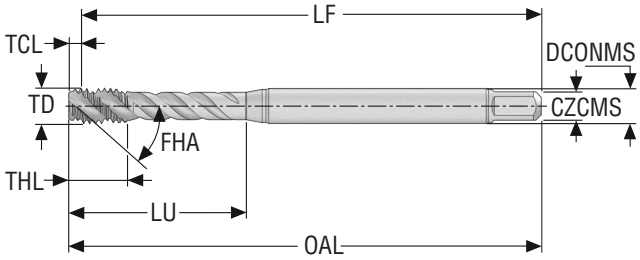


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL-X
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H21C09-1/8-28-12R	10139084	G1/8-28	9,728 *0.383*	*28.0*	2,43 *0.096*	10,0 *0.394*	36 *1.417*	87,57 *3.448*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	8,8 *0.346*	3	C
T34-R45H21C09-1/4-19-12R	10139085	G1/4-19	13,157 *0.518*	*19.0*	3,66 *0.144*	14,0 *0.551*	71 *2.795*	96,34 *3.793*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	11,8 *0.465*	3	C
T34-R45H21C09-3/8-19-12R	10139086	G3/8-19	16,662 *0.656*	*19.0*	3,67 *0.144*	15,0 *0.591*	58 *2.283*	96,33 *3.793*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	4	C
T34-R45H21C09-1/2-14-12R	10139087	G1/2-14	20,955 *0.825*	*14.0*	4,93 *0.194*	17,0 *0.669*	80 *3.150*	120,07 *4.727*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,0 *0.748*	4	C
T34-R45H21C09-5/8-14-12R	10139088	G5/8-14	22,911 *0.902*	*14.0*	5,06 *0.199*	20,0 *0.787*	78 *3.071*	119,94 *4.722*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	21,0 *0.827*	4	C
T34-R45H21C09-3/4-14-12R	10139089	G3/4-14	26,441 *1.041*	*14.0*	5,05 *0.199*	20,0 *0.787*	73 *2.874*	134,95 *5.313*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	24,5 *0.965*	4	C
T34-R45H21C09-7/8-14-12R	10139090	G7/8-14	30,201 *1.189*	*14.0*	4,98 *0.196*	22,0 *0.866*	85 *3.346*	145,02 *5.709*	150,0 *5.906*	22,0 *0.866*	22.00X18.00	28,25 *1.112*	4	C
T34-R45H21C09-1-11-12R	10139091	G1-11	33,249 *1.309*	*11.0*	6,56 *0.258*	24,0 *0.945*	93 *3.661*	153,44 *6.041*	160,0 *6.299*	25,0 *0.984*	25.00X20.00	30,75 *1.211*	4	C

T34-R45HE

Fori ciechi – Filettature EGM

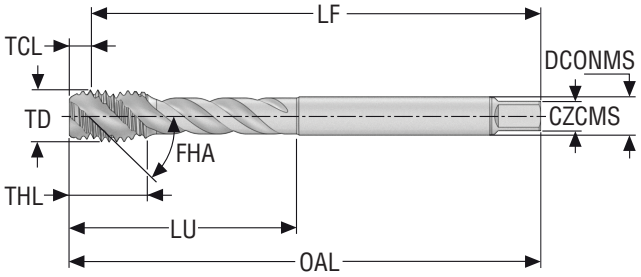


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN371
- Classe di tolleranza della filettatura: 6H mod.
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H04E03-2X0.4-64R	10139092	EGM2	0,4	0,73 *0.029*	5,0 *0.197*	14 *0.551*	49,27 *1.940*	50,0 *1.969*	2,8 *0.110*	2.80X2.10	2,1 *0.083*	2	E
T34-R45H04E03-2.5X0.45-64R	10139093	EGM2.5	0,45	0,75 *0.030*	5,0 *0.197*	18 *0.709*	55,25 *2.175*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,65 *0.104*	3	E
T34-R45H04E03-3X0.5-64R	10139094	EGM3	0,5	0,83 *0.033*	5,0 *0.197*	21 *0.827*	62,17 *2.448*	63,0 *2.480*	4,5 *0.177*	4.50X3.40	3,15 *0.124*	3	E
T34-R45H04E03-4X0.7-64R	10139095	EGM4	0,7	1,15 *0.045*	8,0 *0.315*	25 *0.984*	68,85 *2.711*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,2 *0.165*	3	E
T34-R45H04E03-5X0.8-64R	10139096	EGM5	0,8	1,19 *0.047*	10,0 *0.394*	30 *1.181*	78,81 *3.103*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,25 *0.207*	3	E
T34-R45H04E03-6X1-64R	10139097	EGM6	1,0	1,81 *0.071*	10,0 *0.394*	35 *1.378*	88,19 *3.472*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,3 *0.248*	3	E
T34-R45H04E03-8X1.25-64R	10139098	EGM8	1,25	2,2 *0.087*	13,0 *0.512*	39 *1.535*	97,8 *3.850*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,4 *0.331*	3	E

T34-R45HE

Fori ciechi – Filettature EGM

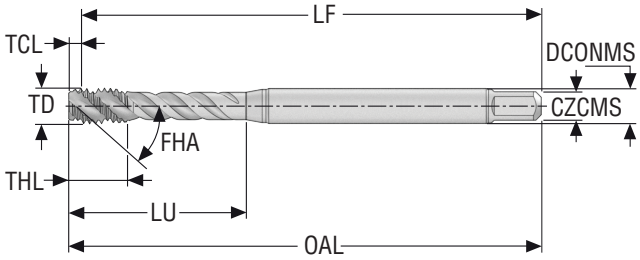


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 6H mod.
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H04E06-10X1.5-64R	10139111	EGM10	1,5	2,83 *0.111*	15,0 *0.591*	73 *2.874*	97,17 *3.826*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,5 *0.413*	3	E
T34-R45H04E06-12X1.75-64R	10139112	EGM12	1,75	3,21 *0.126*	20,0 *0.787*	81 *3.189*	106,79 *4.204*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	12,5 *0.492*	4	E
T34-R45H04E06-14X2-64R	10139113	EGM14	2,0	3,67 *0.144*	20,0 *0.787*	68 *2.677*	106,33 *4.186*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,5 *0.571*	4	E
T34-R45H04E06-16X2-64R	10139114	EGM16	2,0	3,67 *0.144*	20,0 *0.787*	81 *3.189*	121,33 *4.777*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	E
T34-R45H04E06-18X2.5-64R	10139115	EGM18	2,5	4,45 *0.175*	27,0 *1.063*	93 *3.661*	135,55 *5.337*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	18,75 *0.738*	4	E
T34-R45H04E06-20X2.5-64R	10139116	EGM20	2,5	4,55 *0.179*	30,0 *1.181*	113 *4.449*	155,45 *6.120*	160,0 *6.299*	18,0 *0.709*	18.00X14.50	20,75 *0.817*	4	E

T34-R45HE

Fori ciechi

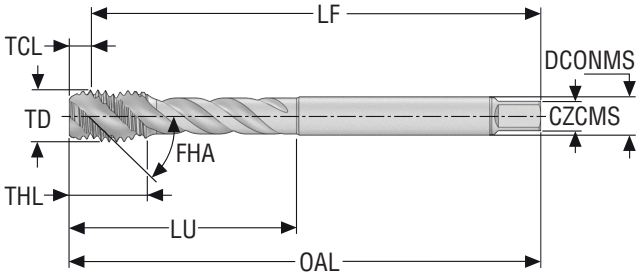


- Per i parametri di taglio, vedere le pagine 267
- Rivestimento: TiAlN
- Substrato: HSS-E-PM

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H16E03-4-40-21R	10139099	EGUNC4-40	3,67 *0.144*	*40.0*	1,0 *0.039*	7,0 *0.276*	21 *0.827*	62,0 *2.441*	63,0 *2.480*	4,5 *0.177*	4.50X3.40	3,1 *0.122*	3	E
T34-R45H16E03-6-32-21R	10139100	EGUNC6-32	4,536 *0.179*	*32.0*	1,32 *0.052*	8,0 *0.315*	25 *0.984*	68,68 *2.704*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	3,8 *0.150*	3	E
T34-R45H16E03-8-32-21R	10139101	EGUNC8-32	5,197 *0.205*	*32.0*	1,32 *0.052*	10,0 *0.394*	30 *1.181*	78,68 *3.098*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	4,4 *0.173*	3	E
T34-R45H16E03-10-24-21R	10139102	EGUNC10-24	6,2 *0.244*	*24.0*	1,64 *0.065*	12,0 *0.472*	30 *1.181*	78,36 *3.085*	80,0 *3.150*	7,0 *0.276*	7.00X5.50	5,2 *0.205*	3	E
T34-R45H16E03-1/4-20-21R	10139103	EGUNC1/4-20	8,001 *0.315*	*20.0*	2,29 *0.090*	15,0 *0.591*	35 *1.378*	87,71 *3.453*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,7 *0.264*	3	E
T34-R45H16E03-5/16-18-21R	10139104	EGUNC5/16-18	9,771 *0.385*	*18.0*	2,5 *0.098*	18,0 *0.709*	39 *1.535*	97,5 *3.839*	100,0 *3.937*	10,0 *0.394*	10.00X8	8,4 *0.331*	3	E

T34-R45HE

Fori ciechi – Filettature EGUNC

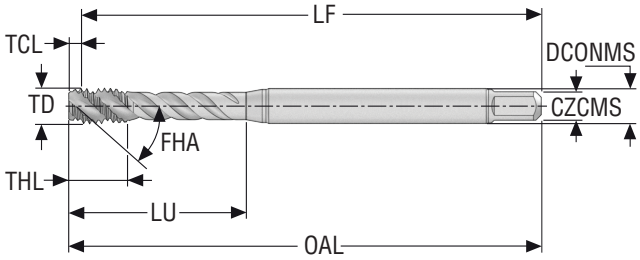


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H16E06-3/8-16-21R	10139117	EGUNC3/8-16	11,587 *0.456*	*16.0*	2,99 *0.118*	15,0 *0.591*	73 *2.874*	97,01 *3.819*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	10,0 *0.394*	3	E
T34-R45H16E06-7/16-14-21R	10139118	EGUNC7/16-14	13,47 *0.530*	*14.0*	3,3 *0.130*	18,0 *0.709*	81 *3.189*	106,7 *4.201*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	11,6 *0.457*	3	E
T34-R45H16E06-1/2-13-21R	10139119	EGUNC1/2-13	15,237 *0.600*	*13.0*	3,74 *0.147*	18,0 *0.709*	68 *2.677*	106,26 *4.183*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	13,3 *0.524*	3	E
T34-R45H16E06-9/16-12-21R	10139120	EGUNC9/16-12	17,038 *0.671*	*12.0*	3,6 *0.142*	20,0 *0.787*	68 *2.677*	106,4 *4.189*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	14,9 *0.587*	4	E
T34-R45H16E06-5/8-11-21R	10139121	EGUNC5/8-11	18,875 *0.743*	*11.0*	4,3 *0.169*	20,0 *0.787*	81 *3.189*	120,7 *4.752*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,5 *0.650*	4	E
T34-R45H16E06-3/4-10-21R	10139122	EGUNC3/4-10	22,349 *0.880*	*10.0*	4,8 *0.189*	25,0 *0.984*	93 *3.661*	135,2 *5.323*	140,0 *5.512*	18,0 *0.709*	18.00X14.50	19,75 *0.778*	4	E

T34-R45HE

Fori ciechi

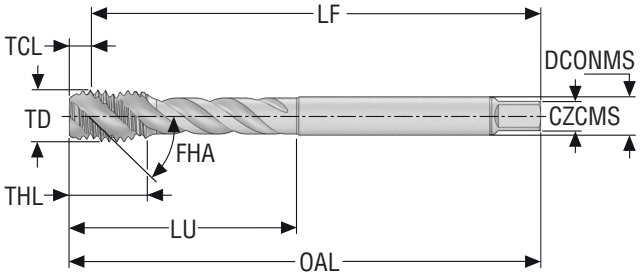


- Per i parametri di taglio, vedere le pagine 267
- Rivestimento: TiAlN
- Substrato: HSS-E-PM

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H17E03-4-48-21R	10139105	EGUNF4-48	3,533 *0.139*	*48.0*	0,83 *0.033*	6,0 *0.236*	20 *0.787*	55,17 *2.172*	56,0 *2.205*	4,0 *0.157*	4.00X3.00	3,0 *0.118*	3	E
T34-R45H17E03-6-40-21R	10139106	EGUNF6-40	4,331 *0.171*	*40.0*	1,12 *0.044*	7,0 *0.276*	25 *0.984*	68,88 *2.712*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	3,7 *0.146*	3	E
T34-R45H17E03-8-36-21R	10139107	EGUNF8-36	5,083 *0.200*	*36.0*	1,32 *0.052*	9,0 *0.354*	30 *1.181*	78,68 *3.098*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	4,4 *0.173*	3	E
T34-R45H17E03-10-32-21R	10139108	EGUNF10-32	5,857 *0.231*	*32.0*	1,23 *0.048*	9,0 *0.354*	30 *1.181*	78,77 *3.101*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,1 *0.201*	3	E
T34-R45H17E03-1/4-28-21R	10139109	EGUNF1/4-28	7,529 *0.296*	*28.0*	1,74 *0.069*	10,0 *0.394*	35 *1.378*	88,26 *3.475*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	6,6 *0.260*	3	E
T34-R45H17E03-5/16-24-21R	10139110	EGUNF5/16-24	9,312 *0.367*	*24.0*	2,52 *0.099*	12,0 *0.472*	35 *1.378*	87,48 *3.444*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	8,25 *0.325*	3	E

T34-R45HE

Fori ciechi – Filettature EGUNF

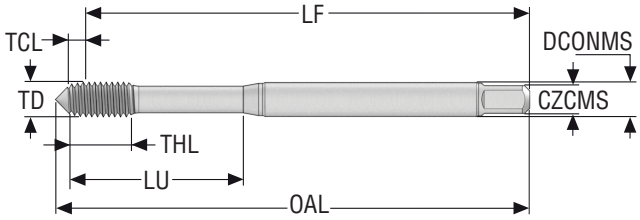


- Substrato: HSSE-PM
- Rivestimento: TiAlN + WC/C
- Standard: DIN376
- Classe di tolleranza della filettatura: 2B
- FHA = 45°
- Per i parametri di taglio, vedere le pagine 263

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T34-R45H17E06-3/8-24-21R	10139123	EGUNF3/8-24	10,899 *0.429*	*24.0*	2,0 *0.079*	12,0 *0.472*	66 *2.598*	88,0 *3.465*	90,0 *3.543*	8,0 *0.315*	8.00X6.00	9,8 *0.386*	3	E
T34-R45H17E06-7/16-20-21R	10139124	EGUNF7/16-20	12,763 *0.502*	*20.0*	2,5 *0.098*	15,0 *0.591*	73 *2.874*	97,5 *3.839*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,5 *0.453*	3	E
T34-R45H17E06-1/2-20-21R	10139125	EGUNF1/2-20	14,351 *0.565*	*20.0*	2,5 *0.098*	15,0 *0.591*	71 *2.795*	97,5 *3.839*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	13,1 *0.516*	3	E
T34-R45H17E06-9/16-18-21R	10139126	EGUNF9/16-18	16,121 *0.635*	*18.0*	2,58 *0.102*	15,0 *0.591*	58 *2.283*	97,42 *3.835*	100,0 *3.937*	12,0 *0.472*	12.00X9.00	14,7 *0.579*	4	E
T34-R45H17E06-5/8-18-21R	10139127	EGUNF5/8-18	17,709 *0.697*	*18.0*	2,7 *0.106*	15,0 *0.591*	66 *2.598*	107,3 *4.224*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	16,25 *0.640*	4	E
T34-R45H17E06-3/4-16-21R	10139128	EGUNF3/4-16	21,112 *0.831*	*16.0*	3,0 *0.118*	17,0 *0.669*	80 *3.150*	122,0 *4.803*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,5 *0.768*	4	E

T33-FNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

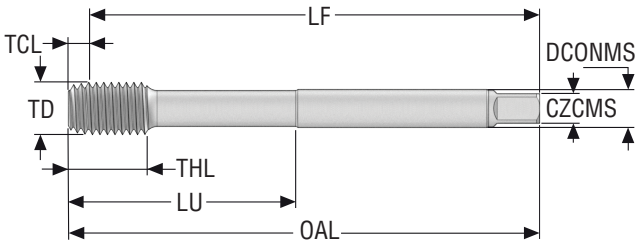


- Substrato: HSSE-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FN01C03-2X0.4-65R	10139189	M2	0,4	1,02 *0.040*	8,0 *0.315*	8 *0.315*	43,98 *1.731*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,85 *0.073*	0	C
T33-FN01C03-2.5X0.45-65R	10139190	M2.5	0,45	1,1 *0.043*	9,0 *0.354*	9 *0.354*	48,9 *1.925*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,33 *0.092*	0	C
T33-FN01C03-3X0.5-65R	10139191	M3	0,5	1,2 *0.047*	10,0 *0.394*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,8 *0.110*	0	C
T33-FN01C03-4X0.7-65R	10139192	M4	0,7	1,6 *0.063*	7,0 *0.276*	21 *0.827*	61,4 *2.417*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,7 *0.146*	0	C
T33-FN01C03-5X0.8-65R	10139193	M5	0,8	2,1 *0.083*	8,0 *0.315*	25 *0.984*	67,9 *2.673*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	0	C
T33-FN01C03-6X1-65R	10139195	M6	1,0	2,3 *0.091*	10,0 *0.394*	30 *1.181*	77,7 *3.059*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	0	C
T33-FN01C03-8X1.25-65R	10139196	M8	1,25	3,1 *0.122*	13,0 *0.512*	35 *1.378*	86,9 *3.421*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	0	C
T33-FN01C03-10X1.5-65R	10139197	M10	1,5	3,5 *0.138*	15,0 *0.591*	39 *1.535*	96,5 *3.799*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	0	C

T33-FNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

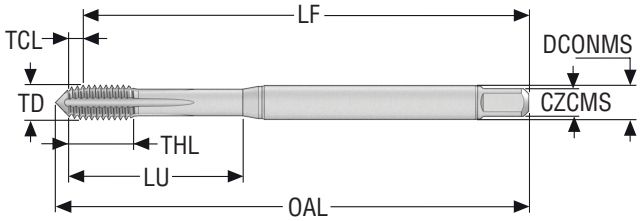


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FN01C06-12X1.75-65R	10139198	M12	1,75	3,7 *0.146*	18,0 *0.709*	83 *3.268*	106,3 *4.185*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	11,25 *0.443*	0	C
T33-FN01C06-14X2-65R	10139199	M14	2,0	4,6 *0.181*	20,0 *0.787*	81 *3.189*	105,4 *4.150*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	13,1 *0.516*	0	C
T33-FN01C06-16X2-65R	10139200	M16	2,0	4,6 *0.181*	20,0 *0.787*	81 *3.189*	105,4 *4.150*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	15,1 *0.594*	0	C
T33-FN01C06-18X2.5-65R	10139201	M18	2,5	5,76 *0.227*	25,0 *0.984*	81 *3.189*	119,24 *4.694*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,85 *0.663*	0	C
T33-FN01C06-20X2.5-65R	10139202	M20	2,5	5,8 *0.228*	25,0 *0.984*	95 *3.740*	134,2 *5.283*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,85 *0.742*	0	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

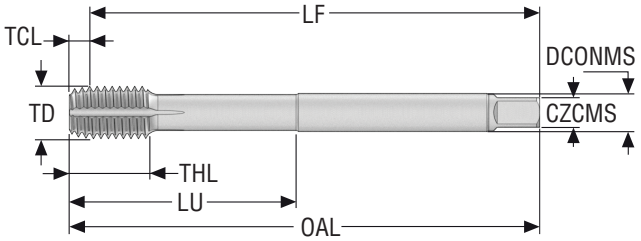


- Substrato: HSSE-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN01C03-2X0.4-65R	10139204	M2	0,4	1,02 *0.040*	8,0 *0.315*	8 *0.315*	43,98 *1.731*	46,3 *1.823*	2,8 *0.110*	2.80X2.10	1,85 *0.073*	3	C
T33-FSN01C03-2.5X0.45-65R	10139205	M2.5	0,45	1,1 *0.043*	9,0 *0.354*	9 *0.354*	48,9 *1.925*	51,7 *2.035*	2,8 *0.110*	2.80X2.10	2,33 *0.092*	3	C
T33-FSN01C03-3X0.5-65R	10139206	M3	0,5	1,2 *0.047*	10,0 *0.394*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,8 *0.110*	3	C
T33-FSN01C03-4X0.7-65R	10139207	M4	0,7	1,6 *0.063*	7,0 *0.276*	21 *0.827*	61,4 *2.417*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,7 *0.146*	5	C
T33-FSN01C03-5X0.8-65R	10139208	M5	0,8	2,1 *0.083*	8,0 *0.315*	25 *0.984*	67,9 *2.673*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	C
T33-FSN01C03-6X1-65R	10139209	M6	1,0	2,3 *0.091*	10,0 *0.394*	30 *1.181*	77,7 *3.059*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	5	C
T33-FSN01C03-8X1.25-65R	10139210	M8	1,25	3,1 *0.122*	13,0 *0.512*	35 *1.378*	86,9 *3.421*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	C
T33-FSN01C03-10X1.5-65R	10139211	M10	1,5	3,5 *0.138*	15,0 *0.591*	39 *1.535*	96,5 *3.799*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	5	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

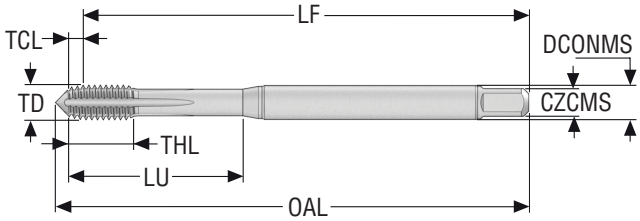


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN01C06-12X1.75-65R	10139212	M12	1,75	3,9 *0.154*	18,0 *0.709*	83 *3.268*	106,1 *4.177*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	11,25 *0.443*	5	C
T33-FSN01C06-14X2-65R	10139213	M14	2,0	4,77 *0.188*	20,0 *0.787*	81 *3.189*	105,23 *4.143*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	13,1 *0.516*	6	C
T33-FSN01C06-16X2-65R	10139214	M16	2,0	4,6 *0.181*	20,0 *0.787*	81 *3.189*	105,4 *4.150*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	15,1 *0.594*	6	C
T33-FSN01C06-18X2.5-65R	10139215	M18	2,5	5,76 *0.227*	25,0 *0.984*	81 *3.189*	119,24 *4.694*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,85 *0.663*	6	C
T33-FSN01C06-20X2.5-65R	10139216	M20	2,5	5,47 *0.215*	25,0 *0.984*	95 *3.740*	134,53 *5.296*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,85 *0.742*	6	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse, 6GX

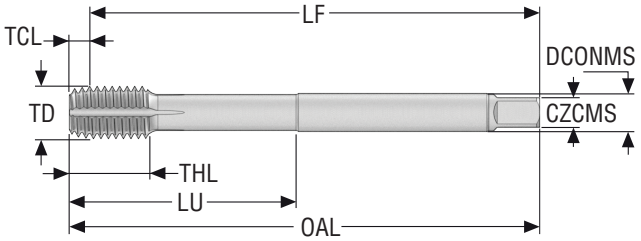


- Substrato: HSSE-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6GX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN01C03-3X0.5-62R	10139258	M3	0,5	1,2 *0.047*	10,0 *0.394*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,8 *0.110*	3	C
T33-FSN01C03-4X0.7-62R	10139259	M4	0,7	1,7 *0.067*	7,0 *0.276*	21 *0.827*	61,3 *2.413*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,7 *0.146*	5	C
T33-FSN01C03-5X0.8-62R	10139260	M5	0,8	2,2 *0.087*	8,0 *0.315*	25 *0.984*	67,8 *2.669*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	C
T33-FSN01C03-6X1-62R	10139261	M6	1,0	2,3 *0.091*	10,0 *0.394*	30 *1.181*	77,7 *3.059*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	5	C
T33-FSN01C03-8X1.25-62R	10139262	M8	1,25	3,2 *0.126*	13,0 *0.512*	35 *1.378*	86,8 *3.417*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	C
T33-FSN01C03-10X1.5-62R	10139263	M10	1,5	4,4 *0.173*	15,0 *0.591*	39 *1.535*	95,6 *3.764*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	5	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse, 6GX

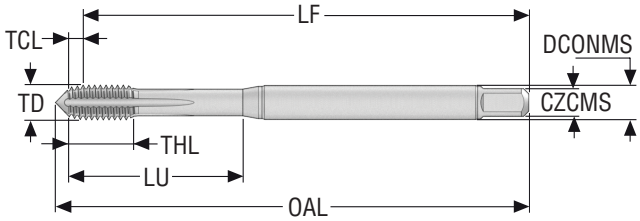


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 6GX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN01C06-12X1.75-62R	10139264	M12	1,75	3,9 *0.154*	18,0 *0.709*	83 *3.268*	106,1 *4.177*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	11,25 *0.443*	5	C
T33-FSN01C06-14X2-62R	10139265	M14	2,0	4,77 *0.188*	20,0 *0.787*	81 *3.189*	105,23 *4.143*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	13,1 *0.516*	6	C
T33-FSN01C06-16X2-62R	10139266	M16	2,0	5,88 *0.231*	20,0 *0.787*	81 *3.189*	104,12 *4.099*	110,0 *4.331*	11,0 *0.433*	11.00X9.00	15,1 *0.594*	6	C
T33-FSN01C06-18X2.5-62R	10139267	M18	2,5	5,47 *0.215*	25,0 *0.984*	81 *3.189*	119,53 *4.706*	125,0 *4.921*	14,0 *0.551*	14.00X11.00	16,85 *0.663*	6	C
T33-FSN01C06-20X2.5-62R	10139268	M20	2,5	6,68 *0.263*	25,0 *0.984*	95 *3.740*	133,32 *5.249*	140,0 *5.512*	16,0 *0.630*	16.00X12.00	18,85 *0.742*	6	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature MF

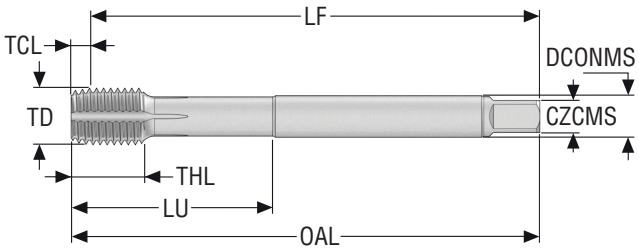


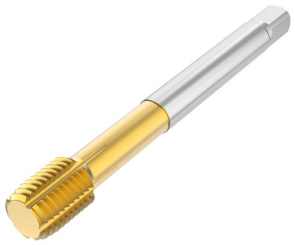
- Substrato: HSSE-PM
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN02C03-4X0.5-65R	10139217	MF4X0.5	0,5	1,4 *0.055*	7,0 *0.276*	21 *0.827*	61,6 *2.425*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,8 *0.150*	5	C
T33-FSN02C03-5X0.5-65R	10139218	MF5X0.5	0,5	1,2 *0.047*	8,0 *0.315*	25 *0.984*	68,8 *2.709*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,8 *0.189*	5	C
T33-FSN02C03-6X0.5-65R	10139219	MF6X0.5	0,5	1,35 *0.053*	10,0 *0.394*	30 *1.181*	78,65 *3.096*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,8 *0.228*	5	C
T33-FSN02C03-6X0.75-65R	10139220	MF6X0.75	0,75	1,8 *0.071*	10,0 *0.394*	30 *1.181*	78,2 *3.079*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,7 *0.224*	5	C
T33-FSN02C03-8X1-65R	10139221	MF8X1.0	1,0	2,25 *0.089*	13,0 *0.512*	35 *1.378*	87,75 *3.455*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,6 *0.299*	5	C
T33-FSN02C03-10X1-65R	10139222	MF10X1.0	1,0	2,9 *0.114*	13,0 *0.512*	35 *1.378*	87,1 *3.429*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,6 *0.378*	5	C
T33-FSN02C03-10X1.25-65R	10139223	MF10X1.25	1,25	3,1 *0.122*	15,0 *0.591*	39 *1.535*	96,9 *3.815*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,45 *0.372*	5	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature MF



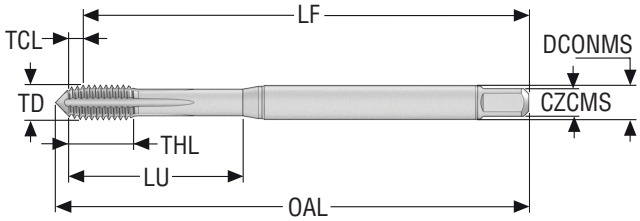


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN02C05-12X1-65R	10139224	MF12X1.0	1,0	3,27 *0.129*	10,0 *0.394*	73 *2.874*	96,73 *3.808*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,6 *0.457*	5	C
T33-FSN02C05-12X1.25-65R	10139225	MF12X1.25	1,25	3,96 *0.156*	15,0 *0.591*	73 *2.874*	96,04 *3.781*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,45 *0.451*	5	C
T33-FSN02C05-12X1.5-65R	10139226	MF12X1.5	1,5	4,15 *0.163*	15,0 *0.591*	73 *2.874*	95,85 *3.774*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,35 *0.447*	5	C
T33-FSN02C05-16X1.5-65R	10139227	MF16X1.5	1,5	4,33 *0.170*	15,0 *0.591*	71 *2.795*	95,67 *3.767*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	15,35 *0.604*	6	C
T33-FSN02C05-18X1.5-65R	10139228	MF18X1.5	1,5	4,4 *0.173*	17,0 *0.669*	66 *2.598*	105,6 *4.157*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	17,35 *0.683*	6	C
T33-FSN02C05-20X1.5-65R	10139229	MF20X1.5	1,5	4,6 *0.181*	17,0 *0.669*	80 *3.150*	120,4 *4.740*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,35 *0.762*	6	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature UNC

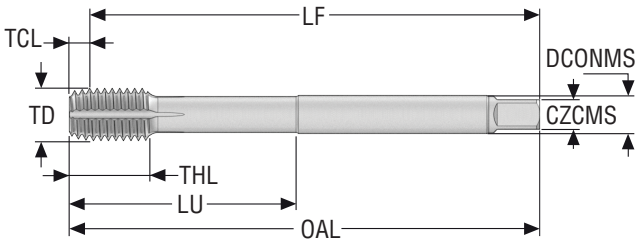


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN08C03-5-40-22R	10139230	UNC5-40	3,175 *0.125*	*40.0*	1,6 *0.063*	7,0 *0.276*	18 *0.709*	54,4 *2.142*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,9 *0.114*	3	C
T33-FSN08C03-6-32-22R	10139231	UNC6-32	3,505 *0.138*	*32.0*	1,8 *0.071*	6,0 *0.236*	20 *0.787*	54,2 *2.134*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	3,15 *0.124*	3	C
T33-FSN08C03-8-32-22R	10139232	UNC8-32	4,166 *0.164*	*32.0*	2,0 *0.079*	7,0 *0.276*	21 *0.827*	61,0 *2.402*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,8 *0.150*	5	C
T33-FSN08C03-10-24-22R	10139233	UNC10-24	4,826 *0.190*	*24.0*	2,7 *0.106*	8,0 *0.315*	25 *0.984*	67,3 *2.650*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,35 *0.171*	5	C
T33-FSN08C03-12-24-22R	10139234	UNC12-24	5,486 *0.216*	*24.0*	2,7 *0.106*	10,0 *0.394*	30 *1.181*	77,3 *3.043*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,0 *0.197*	5	C
T33-FSN08C03-1/4-20-22R	10139235	UNC1/4-20	6,35 *0.250*	*20.0*	3,9 *0.154*	13,0 *0.512*	30 *1.181*	76,1 *2.996*	80,0 *3.150*	7,0 *0.276*	7.00X5.50	5,75 *0.226*	5	C
T33-FSN08C03-5/16-18-22R	10139236	UNC5/16-18	7,937 *0.312*	*18.0*	3,6 *0.142*	13,0 *0.512*	35 *1.378*	86,4 *3.402*	93,3 *3.673*	8,2 *0.323*	8.20X6.20	7,3 *0.287*	5	C
T33-FSN08C03-3/8-16-22R	10139237	UNC3/8-16	9,525 *0.375*	*16.0*	4,74 *0.187*	15,0 *0.591*	39 *1.535*	95,26 *3.750*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	8,8 *0.346*	5	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature UNC

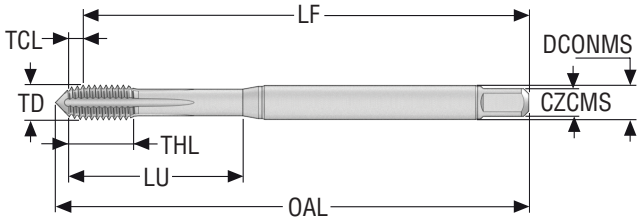


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN376
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN08C06-7/16-14-22R	10139238	UNC7/16-14	11,112 *0.437*	*14.0*	5,4 *0.213*	15,0 *0.591*	76 *2.992*	94,6 *3.724*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	10,25 *0.404*	5	C
T33-FSN08C06-1/2-13-22R	10139239	UNC1/2-13	12,7 *0.500*	*13.0*	5,8 *0.228*	18,0 *0.709*	83 *3.268*	104,2 *4.102*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	11,8 *0.465*	5	C
T33-FSN08C06-5/8-11-22R	10139240	UNC5/8-11	15,875 *0.625*	*11.0*	6,8 *0.268*	20,0 *0.787*	81 *3.189*	103,2 *4.063*	110,0 *4.331*	12,0 *0.472*	12.00x9.00	14,8 *0.583*	6	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature UNF

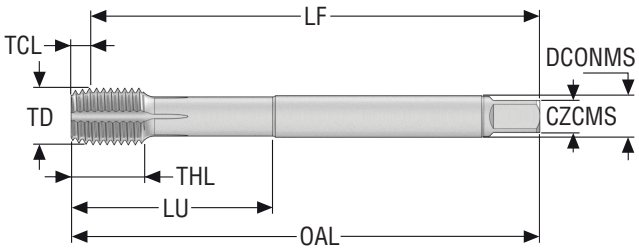


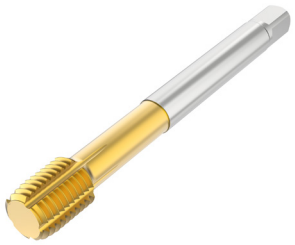
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN371
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN09C03-5-44-22R	10139241	UNF5-44	3,175 *0.125*	*44.0*	1,4 *0.055*	7,0 *0.276*	18 *0.709*	54,6 *2.150*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,92 *0.115*	3	C
T33-FSN09C03-6-40-22R	10139242	UNF6-40	3,505 *0.138*	*40.0*	1,6 *0.063*	6,0 *0.236*	20 *0.787*	54,4 *2.142*	57,4 *2.260*	4,0 *0.157*	4.00X3.00	3,22 *0.127*	3	C
T33-FSN09C03-8-36-22R	10139243	UNF8-36	4,166 *0.164*	*36.0*	1,8 *0.071*	7,0 *0.276*	21 *0.827*	61,2 *2.409*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,85 *0.152*	5	C
T33-FSN09C03-10-32-22R	10139244	UNF10-32	4,826 *0.190*	*32.0*	1,9 *0.075*	8,0 *0.315*	25 *0.984*	68,1 *2.681*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,45 *0.175*	5	C
T33-FSN09C03-12-28-22R	10139245	UNF12-28	5,486 *0.216*	*28.0*	1,9 *0.075*	10,0 *0.394*	30 *1.181*	78,1 *3.075*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,1 *0.201*	5	C
T33-FSN09C03-1/4-28-22R	10139246	UNF1/4-28	6,35 *0.250*	*28.0*	2,23 *0.088*	10,0 *0.394*	30 *1.181*	77,77 *3.062*	82,4 *3.244*	7,0 *0.276*	7.00X5.50	5,95 *0.234*	5	C
T33-FSN09C03-5/16-24-22R	10139247	UNF5/16-24	7,937 *0.312*	*24.0*	2,6 *0.102*	13,0 *0.512*	35 *1.378*	87,4 *3.441*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	C
T33-FSN09C03-3/8-24-22R	10139248	UNF3/8-24	9,525 *0.375*	*24.0*	3,5 *0.138*	15,0 *0.591*	35 *1.378*	86,5 *3.406*	90,0 *3.543*	10,0 *0.394*	10.00X8.00	9,05 *0.356*	5	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature UNF



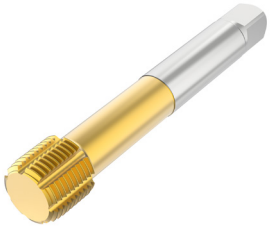


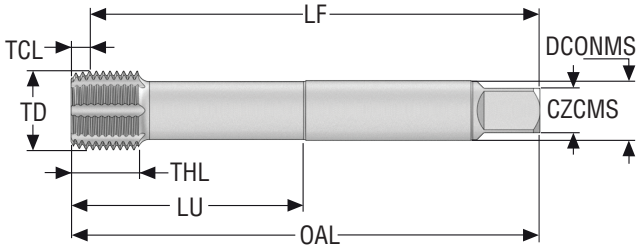
- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN374
- Classe di tolleranza della filettatura: 2BX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN09C05-7/16-20-22R	10139249	UNF7/16-20	11,112 *0.437*	*20.0*	3,8 *0.150*	15,0 *0.591*	76 *2.992*	96,2 *3.787*	100,0 *3.937*	8,0 *0.315*	8.00X6.20	10,55 *0.415*	5	C
T33-FSN09C05-1/2-20-22R	10139250	UNF1/2-20	12,7 *0.500*	*20.0*	3,8 *0.150*	15,0 *0.591*	83 *3.268*	106,2 *4.181*	110,0 *4.331*	9,0 *0.354*	9.00X7.00	12,15 *0.478*	5	C
T33-FSN09C05-5/8-18-22R	10139251	UNF5/8-18	15,875 *0.625*	*18.0*	4,7 *0.185*	15,0 *0.591*	68 *2.677*	105,3 *4.146*	110,0 *4.331*	12,0 *0.472*	12.00X9.00	15,25 *0.600*	6	C

T33-FSNC

Maschi a rullare – Fori ciechi e fori passanti – Filettature G



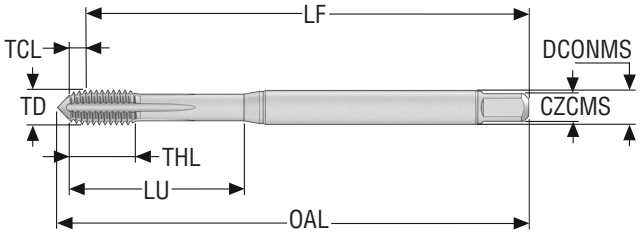


- Substrato: HSSE
- Rivestimento: TiAlN + TiN
- Standard: DIN5156
- Classe di tolleranza della filettatura: NORMAL-X
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	TD	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm *Inch*	*TPI*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSN21C09-1/8-28-12R	10139252	G1/8-28	9,728 *0.383*	*28.0*	2,6 *0.102*	10,0 *0.394*	67 *2.638*	87,4 *3.441*	90,0 *3.543*	7,0 *0.276*	7.00X5.50	9,25 *0.364*	5	C
T33-FSN21C09-1/4-19-12R	10139253	G1/4-19	13,157 *0.518*	*19.0*	3,7 *0.146*	14,0 *0.551*	71 *2.795*	96,3 *3.791*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	12,55 *0.494*	6	C
T33-FSN21C09-3/8-19-12R	10139254	G3/8-19	16,662 *0.656*	*19.0*	3,85 *0.152*	15,0 *0.591*	71 *2.795*	96,15 *3.785*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	16,05 *0.632*	7	C
T33-FSN21C09-1/2-14-12R	10139255	G1/2-14	20,955 *0.825*	*14.0*	5,1 *0.201*	17,0 *0.669*	80 *3.150*	119,9 *4.720*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	20,1 *0.791*	7	C
T33-FSN21C09-5/8-14-12R	10139256	G5/8-14	22,911 *0.902*	*14.0*	5,1 *0.201*	20,0 *0.787*	78 *3.071*	119,9 *4.720*	125,0 *4.921*	18,0 *0.709*	18.00X14.50	22,05 *0.868*	7	C
T33-FSN21C09-3/4-14-12R	10139257	G3/4-14	26,441 *1.041*	*14.0*	5,1 *0.201*	22,0 *0.866*	73 *2.874*	134,9 *5.311*	140,0 *5.512*	20,0 *0.787*	20.00X16.00	25,6 *1.008*	7	C

T33-FSCC

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

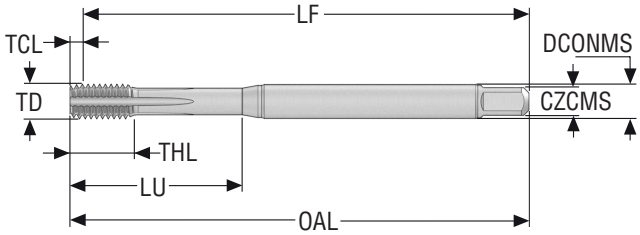


- Substrato: HSSE-PM
- Rivestimento: TiN + TiCN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSC01C03-3X0.5-65R	10139282	M3	0,5	1,2 *0.047*	10,0 *0.394*	18 *0.709*	54,8 *2.157*	57,2 *2.252*	3,5 *0.138*	3.50X2.70	2,8 *0.110*	3	C
T33-FSC01C03-4X0.7-65R	10139283	M4	0,7	1,6 *0.063*	7,0 *0.276*	21 *0.827*	61,4 *2.417*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,7 *0.146*	5	C
T33-FSC01C03-5X0.8-65R	10139284	M5	0,8	2,1 *0.083*	8,0 *0.315*	25 *0.984*	67,9 *2.673*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	C
T33-FSC01C03-6X1-65R	10139285	M6	1,0	2,3 *0.091*	10,0 *0.394*	30 *1.181*	77,7 *3.059*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	5	C
T33-FSC01C03-8X1.25-65R	10139286	M8	1,25	3,1 *0.122*	13,0 *0.512*	35 *1.378*	86,9 *3.421*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	C
T33-FSC01C03-10X1.5-65R	10139287	M10	1,5	3,5 *0.138*	15,0 *0.591*	39 *1.535*	96,5 *3.799*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	5	C

T33-FSCE

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

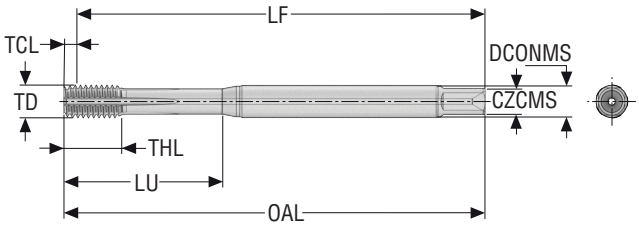


- Substrato: HSSE-PM
- Rivestimento: TiN + TiCN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSC01E03-3X0.5-65R	10139288	M3	0,5	1,2 *0.047*	10,0 *0.394*	18 *0.709*	54,8 *2.157*	56,0 *2.205*	3,5 *0.138*	3.50X2.70	2,8 *0.110*	3	E
T33-FSC01E03-4X0.7-65R	10139289	M4	0,7	1,6 *0.063*	7,0 *0.276*	21 *0.827*	61,4 *2.417*	63,0 *2.480*	4,5 *0.177*	4.50X3.40	3,7 *0.146*	5	E
T33-FSC01E03-5X0.8-65R	10139290	M5	0,8	1,5 *0.059*	8,0 *0.315*	25 *0.984*	68,5 *2.697*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	E

T33A-FSCE

Maschi a rullare – Fori ciechi – Filettature metriche grosse

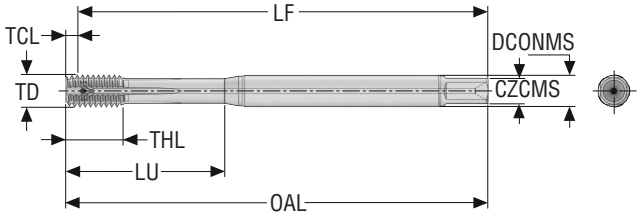


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiN + TiCN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33A-FSC01E03-5X0.8-65R	10139294	M5	0,8	1,7 *0.067*	8,0 *0.315*	25 *0.984*	68,3 *2.689*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	E
T33A-FSC01E03-6X1-65R	10139295	M6	1,0	1,95 *0.077*	10,0 *0.394*	30 *1.181*	78,05 *3.073*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	5	E
T33A-FSC01E03-8X1.25-65R	10139296	M8	1,25	2,55 *0.100*	13,0 *0.512*	35 *1.378*	87,45 *3.443*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	E
T33A-FSC01E03-10X1.5-65R	10139297	M10	1,5	2,84 *0.112*	15,0 *0.591*	39 *1.535*	97,16 *3.825*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	5	E

T33B-FSCE

Maschi a rullare – Fori ciechi e fori passanti – Filettature metriche grosse

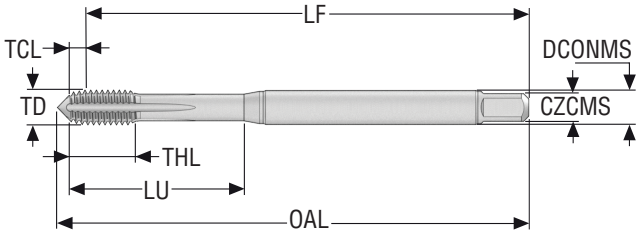


- Adduzione refrigerante interna
- Substrato: HSSE-PM
- Rivestimento: TiN + TiCN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33B-FSC01E03-5X0.8-65R	10139298	M5	0,8	1,57 *0.062*	8,0 *0.315*	25 *0.984*	68,43 *2.694*	70,0 *2.756*	6,0 *0.236*	6.00X4.90	4,65 *0.183*	5	E
T33B-FSC01E03-6X1-65R	10139299	M6	1,0	1,95 *0.077*	10,0 *0.394*	30 *1.181*	78,05 *3.073*	80,0 *3.150*	6,0 *0.236*	6.00X4.90	5,6 *0.220*	5	E
T33B-FSC01E03-8X1.25-65R	10139300	M8	1,25	2,42 *0.095*	13,0 *0.512*	35 *1.378*	87,58 *3.448*	90,0 *3.543*	8,0 *0.315*	8.00X6.20	7,45 *0.293*	5	E
T33B-FSC01E03-10X1.5-65R	10139301	M10	1,5	2,84 *0.112*	15,0 *0.591*	39 *1.535*	97,16 *3.825*	100,0 *3.937*	10,0 *0.394*	10.00X8.00	9,35 *0.368*	5	E

T33-FSCC

Maschi a rullare – Fori ciechi e fori passanti – Filettature MF

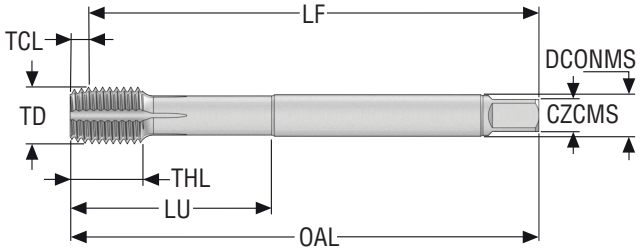


- Substrato: HSSE-PM
- Rivestimento: TiN + TiCN
- Standard: DIN371
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSC02C03-4X0.5-65R	10139269	MF4X0.5	0,5	1,4 *0.055*	7,0 *0.276*	21 *0.827*	61,6 *2.425*	64,6 *2.543*	4,5 *0.177*	4.50X3.40	3,8 *0.150*	5	C
T33-FSC02C03-5X0.5-65R	10139270	MF5X0.5	0,5	1,2 *0.047*	8,0 *0.315*	25 *0.984*	68,8 *2.709*	72,0 *2.835*	6,0 *0.236*	6.00X4.90	4,8 *0.189*	5	C
T33-FSC02C03-6X0.5-65R	10139271	MF6X0.5	0,5	1,35 *0.053*	10,0 *0.394*	30 *1.181*	78,65 *3.096*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,8 *0.228*	5	C
T33-FSC02C03-6X0.75-65R	10139272	MF6X0.75	0,75	1,8 *0.071*	10,0 *0.394*	30 *1.181*	78,2 *3.079*	82,4 *3.244*	6,0 *0.236*	6.00X4.90	5,7 *0.224*	5	C
T33-FSC02C03-8X1-65R	10139273	MF8X1.0	1,0	2,25 *0.089*	13,0 *0.512*	35 *1.378*	87,75 *3.455*	93,3 *3.673*	8,0 *0.315*	8.00X6.20	7,6 *0.299*	5	C
T33-FSC02C03-10X1-65R	10139274	MF10X1.0	1,0	2,9 *0.114*	13,0 *0.512*	35 *1.378*	87,1 *3.429*	91,8 *3.614*	10,0 *0.394*	10.00X8.00	9,6 *0.378*	5	C
T33-FSC02C03-10X1.25-65R	10139275	MF10X1.25	1,25	4,0 *0.157*	15,0 *0.591*	39 *1.535*	96,0 *3.780*	101,8 *4.008*	10,0 *0.394*	10.00X8.00	9,45 *0.372*	5	C

T33-FSCC

Maschi a rullare – Fori ciechi e fori passanti – Filettature MF

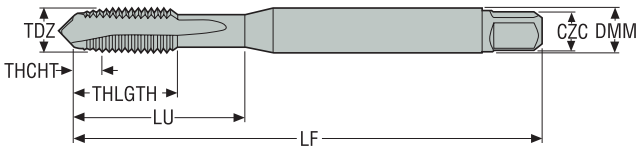


- Substrato: HSSE
- Rivestimento: TiN + TiCN
- Standard: DIN374
- Classe di tolleranza della filettatura: 6HX
- Per i parametri di taglio, vedere le pagine 265

Codice di ordinazione	Codice prodotto	TDZ	Passo	TCL	THL	LU	LF	OAL	DCONMS	CZCMS	PCD	NOF	THCHT
			mm	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*		mm *Inch*		
T33-FSC02C05-12X1-65R	10139276	MF12X1.0	1,0	3,27 *0.129*	10,0 *0.394*	73 *2.874*	96,73 *3.808*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,6 *0.457*	5	C
T33-FSC02C05-12X1.25-65R	10139277	MF12X1.25	1,25	3,96 *0.156*	15,0 *0.591*	73 *2.874*	96,04 *3.781*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,45 *0.451*	5	C
T33-FSC02C05-12X1.5-65R	10139278	MF12X1.5	1,5	4,2 *0.165*	15,0 *0.591*	73 *2.874*	95,8 *3.772*	100,0 *3.937*	9,0 *0.354*	9.00X7.00	11,35 *0.447*	5	C
T33-FSC02C05-16X1.5-65R	10139279	MF16X1.5	1,5	4,33 *0.170*	15,0 *0.591*	71 *2.795*	95,67 *3.767*	100,0 *3.937*	11,0 *0.433*	11.00X9.00	15,35 *0.604*	5	C
T33-FSC02C05-18X1.5-65R	10139280	MF18X1.5	1,5	4,4 *0.173*	17,0 *0.669*	66 *2.598*	105,6 *4.157*	110,0 *4.331*	14,0 *0.551*	14.00X11.00	17,35 *0.683*	5	C
T33-FSC02C05-20X1.5-65R	10139281	MF20X1.5	1,5	4,6 *0.181*	17,0 *0.669*	80 *3.150*	120,4 *4.740*	125,0 *4.921*	16,0 *0.630*	16.00X12.00	19,35 *0.762*	5	C

MTP-P001

Fori passanti – Filettature metriche grosse

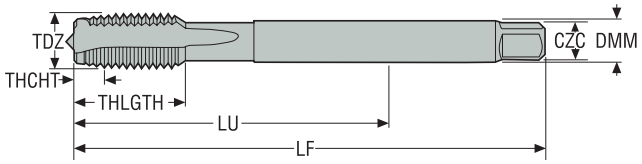


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M3X0.50ISO6H-TB-P001	02999886	M3	0,5	–	4,5 *0.177*	12,0 *0.472*	12,0 *0.472*	61,625 *2.426*	2,5 *0.098*	4.50X3.40	3	SECO-DIN	6H	B
MTP-M4X0.70ISO6H-TB-P001	02999887	M4	0,7	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	68,075 *2.680*	3,4 *0.134*	6.00X4.90	3	SECO-DIN	6H	B
MTP-M5X0.80ISO6H-TB-P001	02999888	M5	0,8	–	6,0 *0.236*	15,0 *0.591*	15,0 *0.591*	76,3 *3.004*	4,3 *0.169*	6.00X4.90	3	SECO-DIN	6H	B
MTP-M6X1.00ISO6H-TB-P001	02999889	M6	1,0	–	8,0 *0.315*	18,0 *0.709*	18,0 *0.709*	85,375 *3.361*	5,1 *0.201*	8.00X6.20	3	SECO-DIN	6H	B
MTP-M8X1.25ISO6H-TB-P001	02999890	M8	1,25	–	10,0 *0.394*	20,0 *0.787*	20,0 *0.787*	94,21875 *3.709*	6,8 *0.268*	10.00X8.00	3	SECO-DIN	6H	B
MTP-M10X1.50ISO6H-TB-P001	02999891	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	SECO-DIN	6H	B

MTP-P002

Fori passanti – Filettature metriche grosse

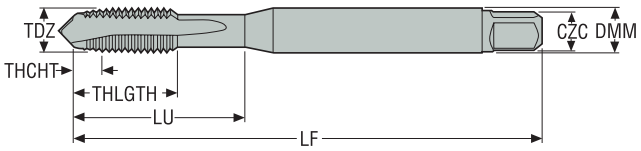


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6H-TB-P002	02999892	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,1875 *4.141*	10,4 *0.409*	9.00X7.00	4	DIN376	6H	B
MTP-M14X2.00ISO6H-TB-P002	02999893	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,5 *4.114*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	B
MTP-M16X2.00ISO6H-TB-P002	02999894	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	B
MTP-M18X2.50ISO6H-TB-P002	02999895	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	112,63 *4.434*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	B
MTP-M20X2.50ISO6H-TB-P002	02999896	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,125 *5.241*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	B

MTP-P003

Fori passanti – Filettature metriche grosse

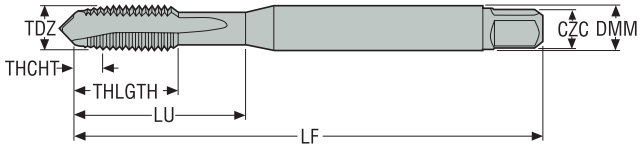


- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M1X0.25ISO5HX-TB-P003	02999897	M1	0,25	–	2,5 *0.098*	20,0 *0.787*	5,0 *0.197*	38,87 *1.530*	0,75 *0.030*	2.50X2.10	2	DIN371	5HX	B
MTP-M1.2X0.25ISO5HX-TB-P003	02999898	M1.2	0,25	–	2,5 *0.098*	20,0 *0.787*	5,0 *0.197*	38,87 *1.530*	0,95 *0.037*	2.50X2.10	2	DIN371	5HX	B
MTP-M1.4X0.30ISO5HX-TB-P003	02999899	M1.4	0,3	–	2,5 *0.098*	20,0 *0.787*	6,5 *0.256*	38,65 *1.522*	1,1 *0.043*	2.50X2.10	2	DIN371	5HX	B
MTP-M1.6X0.35ISO6HX-TB-P003	02999900	M1.6	0,35	–	2,5 *0.098*	12,5 *0.492*	7,0 *0.276*	38,42 *1.513*	1,3 *0.051*	2.50X2.10	2	DIN371	6HX	B
MTP-M1.8X0.35ISO6HX-TB-P003	02999901	M1.8	0,35	–	2,5 *0.098*	20,0 *0.787*	7,0 *0.276*	38,42 *1.513*	1,5 *0.059*	2.50X2.10	2	DIN371	6HX	B
MTP-M2X0.40ISO6HX-TB-P003	02999902	M2	0,4	–	2,8 *0.110*	9,0 *0.354*	6,0 *0.236*	43,2 *1.701*	1,6 *0.063*	2.80X2.10	2	DIN371	6HX	B
MTP-M2.2X0.45ISO6HX-TB-P003	02999903	M2.2	0,45	–	2,8 *0.110*	12,0 *0.472*	7,0 *0.276*	42,97 *1.692*	1,8 *0.071*	2.80X2.10	2	DIN371	6HX	B
MTP-M2.3X0.40ISO6HX-TB-P003	02999904	M2.3	0,4	–	2,8 *0.110*	12,0 *0.472*	7,0 *0.276*	43,2 *1.701*	1,9 *0.075*	2.80X2.10	2	DIN371	6HX	B
MTP-M2.5X0.45ISO6HX-TB-P003	02999905	M2.5	0,45	–	2,8 *0.110*	12,5 *0.492*	8,0 *0.315*	47,97 *1.889*	2,1 *0.083*	2.80X2.10	2	DIN371	6HX	B
MTP-M2.6X0.45ISO6HX-TB-P003	02999906	M2.6	0,45	–	2,8 *0.110*	12,5 *0.492*	8,0 *0.315*	47,97 *1.889*	2,15 *0.085*	2.80X2.10	2	DIN371	6HX	B
MTP-M3X0.50ISO6HX-TB-P003	02999907	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	8,9 *0.350*	53,6875 *2.114*	2,5 *0.098*	3.50X2.70	3	DIN371	6HX	B
MTP-M3.5X0.60ISO6HX-TB-P003	02999908	M3.5	0,6	–	4,0 *0.157*	20,0 *0.787*	10,8 *0.425*	53,225 *2.095*	2,9 *0.114*	4.00X3.00	3	DIN371	6HX	B
MTP-M4X0.70ISO6HX-TB-P003	02999909	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	11,7 *0.461*	59,7625 *2.353*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	B
MTP-M5X0.80ISO6HX-TB-P003	02999910	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	12,6 *0.496*	66,3 *2.610*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	B
MTP-M6X1.00ISO6HX-TB-P003	02999911	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	14,5 *0.571*	75,375 *2.968*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	B
MTP-M7X1.00ISO6HX-TB-P003	02999912	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	14,5 *0.571*	78,275 *3.082*	6,1 *0.240*	7.00X5.50	3	DIN371	6HX	B
MTP-M8X1.25ISO6HX-TB-P003	02999913	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	17,4 *0.685*	84,21875 *3.316*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	B
MTP-M10X1.50ISO6HX-TB-P003	02999914	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	19,2 *0.756*	93,0625 *3.664*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	B

MTP-P003

Fori passanti – Filettature metriche grosse

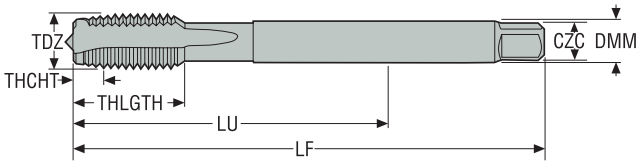


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M4X0.70ISO6HX-TB-P003-A	02999929	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	11,7 *0.461*	59,73 *2.352*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	B
MTP-M5X0.80ISO6HX-TB-P003-A	02999930	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	12,6 *0.496*	66,35 *2.612*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	B
MTP-M6X1.00ISO6HX-TB-P003-A	02999931	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	14,5 *0.571*	75,51 *2.973*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	B
MTP-M7X1.00ISO6HX-TB-P003-A	02999932	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	14,5 *0.571*	75,51 *2.973*	6,1 *0.240*	7.00X5.50	3	DIN371	6HX	B
MTP-M8X1.25ISO6HX-TB-P003-A	02999933	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	17,4 *0.685*	84,48 *3.326*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	B
MTP-M10X1.50ISO6HX-TB-P003-A	02999934	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	19,2 *0.756*	93,46 *3.680*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	B

MTP-P004

Fori passanti – Filettature metriche grosse

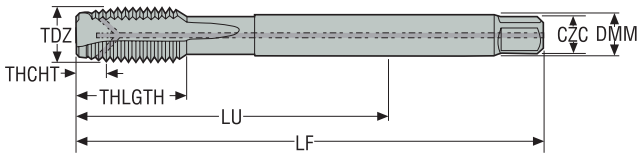


- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M4X0.70ISO6HX-TB-P004	02999915	M4	0,7	–	2,8 *0.110*	43,0 *1.693*	12,0 *0.472*	59,7625 *2.353*	3,4 *0.134*	2.80X2.10	3	DIN376	6HX	B
MTP-M5X0.80ISO6HX-TB-P004	02999916	M5	0,8	–	3,5 *0.138*	49,0 *1.929*	13,2 *0.520*	66,3 *2.610*	4,3 *0.169*	3.50X2.70	3	DIN376	6HX	B
MTP-M6X1.00ISO6HX-TB-P004	02999917	M6	1,0	–	4,5 *0.177*	59,0 *2.323*	15,1 *0.594*	75,375 *2.968*	5,1 *0.201*	4.50X3.40	3	DIN376	6HX	B
MTP-M8X1.25ISO6HX-TB-P004	02999918	M8	1,25	–	6,0 *0.236*	67,0 *2.638*	18,0 *0.709*	84,21875 *3.316*	6,8 *0.268*	6.00X4.90	3	DIN376	6HX	B
MTP-M10X1.50ISO6HX-TB-P004	02999919	M10	1,5	–	7,0 *0.276*	77,0 *3.031*	19,8 *0.780*	93,0625 *3.664*	8,6 *0.339*	7.00X5.50	3	DIN376	6HX	B
MTP-M12X1.75ISO6HX-TB-P004	02999920	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	101,90625 *4.012*	10,4 *0.409*	9.00X7.00	4	DIN376	6HX	B
MTP-M14X2.00ISO6HX-TB-P004	02999921	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	100,75 *3.967*	12,1 *0.476*	11.00X9.00	4	DIN376	6HX	B
MTP-M16X2.00ISO6HX-TB-P004	02999922	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	100,75 *3.967*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	B
MTP-M18X2.50ISO6HX-TB-P004	02999923	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	114,46 *4.506*	15,7 *0.618*	14.00X11.00	4	DIN376	6HX	B
MTP-M20X2.50ISO6HX-TB-P004	02999924	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	128,4375 *5.057*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	B
MTP-M22X2.50ISO6HX-TB-P004	02999925	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	129,36 *5.093*	19,7 *0.776*	18.00X14.50	4	DIN376	6HX	B
MTP-M24X3.00ISO6HX-TB-P004	02999926	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	146,125 *5.753*	21,0 *0.827*	18.00X14.50	4	DIN376	6HX	B
MTP-M27X3.00ISO6HX-TB-P004	02999927	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	38,0 *1.496*	147,37 *5.802*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	B
MTP-M30X3.50ISO6HX-TB-P004	02999928	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	45,0 *1.772*	165,42 *6.513*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	B

MTP-P004-A

Fori passanti – Filettature metriche grosse

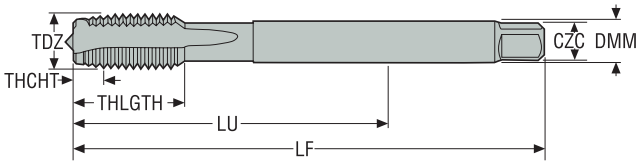


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6HX-TB-P004-A	02999935	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	101,90625 *4.012*	10,4 *0.409*	9.00X7.00	4	DIN376	6HX	B
MTP-M14X2.00ISO6HX-TB-P004-A	02999936	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	101,41 *3.993*	12,1 *0.476*	11.00X9.00	4	DIN376	6HX	B
MTP-M16X2.00ISO6HX-TB-P004-A	02999937	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	100,75 *3.967*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	B
MTP-M18X2.50ISO6HX-TB-P004-A	02999938	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	114,46 *4.506*	15,7 *0.618*	14.00X11.00	4	DIN376	6HX	B
MTP-M20X2.50ISO6HX-TB-P004-A	02999939	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	129,46 *5.097*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	B
MTP-M22X2.50ISO6HX-TB-P004-A	02999940	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	129,36 *5.093*	19,7 *0.776*	18.00X14.50	4	DIN376	6HX	B
MTP-M24X3.00ISO6HX-TB-P004-A	02999941	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	146,125 *5.753*	21,0 *0.827*	18.00X14.50	4	DIN376	6HX	B
MTP-M27X3.00ISO6HX-TB-P004-A	02999942	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	38,0 *1.496*	147,37 *5.802*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	B
MTP-M30X3.50ISO6HX-TB-P004-A	02999943	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	45,0 *1.772*	165,42 *6.513*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	B

MTP-P011

Fori passanti – Filettature MF



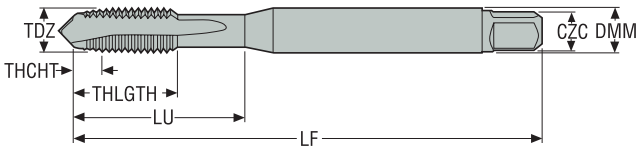
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 269

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M4X0.50ISO6HX-TB-P011	02999944	MF4X0.5	0,5	–	2,8 *0.110*	43,0 *1.693*	12,0 *0.472*	60,6875 *2.389*	3,5 *0.138*	2.80X2.10	3	DIN374	6HX	B
MTP-M5X0.50ISO6HX-TB-P011	02999945	MF5X0.5	0,5	–	3,5 *0.138*	49,0 *1.929*	13,0 *0.512*	67,57 *2.660*	4,5 *0.177*	3.50X2.70	3	DIN374	6HX	B
MTP-M6X0.75ISO6HX-TB-P011	02999946	MF6X0.75	0,75	–	4,5 *0.177*	59,0 *2.323*	15,0 *0.591*	76,5 *3.012*	5,3 *0.209*	4.50X3.40	3	DIN374	6HX	B
MTP-M8X0.75ISO6HX-TB-P011	02999947	MF8X0.75	0,75	–	6,0 *0.236*	57,0 *2.244*	15,0 *0.591*	76,43 *3.009*	7,3 *0.287*	6.00X4.90	3	DIN374	6HX	B
MTP-M8X1.00ISO6HX-TB-P011	02999948	MF8X1.0	1,0	–	6,0 *0.236*	67,0 *2.638*	18,0 *0.709*	85,375 *3.361*	7,1 *0.280*	6.00X4.90	3	DIN374	6HX	B
MTP-M10X0.75ISO6HX-TB-P011	02999949	MF10X0.75	0,75	–	7,0 *0.276*	67,0 *2.638*	17,6 *0.693*	86,42 *3.402*	9,3 *0.366*	7.00X5.50	3	DIN374	6HX	B
MTP-M10X1.00ISO6HX-TB-P011	02999950	MF10X1.0	1,0	–	7,0 *0.276*	67,0 *2.638*	17,6 *0.693*	85,375 *3.361*	9,1 *0.358*	7.00X5.50	3	DIN374	6HX	B
MTP-M10X1.25ISO6HX-TB-P011	02999951	MF10X1.25	1,25	–	7,0 *0.276*	77,0 *3.031*	19,8 *0.780*	98,51875 *3.879*	8,8 *0.346*	7.00X5.50	3	DIN374	6HX	B
MTP-M12X1.00ISO6HX-TB-P011	02999952	MF12X1.0	1,0	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	95,36 *3.754*	11,1 *0.437*	9.00X7.00	4	DIN374	6HX	B
MTP-M12X1.25ISO6HX-TB-P011	02999953	MF12X1.25	1,25	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	94,21875 *3.709*	10,8 *0.425*	9.00X7.00	4	DIN374	6HX	B
MTP-M12X1.50ISO6HX-TB-P011	02999954	MF12X1.5	1,5	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	93,37 *3.676*	10,6 *0.417*	9.00X7.00	4	DIN374	6HX	B
MTP-M14X1.00ISO6HX-TB-P011	02999955	MF14X1.0	1,0	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	95,35 *3.754*	13,1 *0.516*	11.00X9.00	4	DIN374	6HX	B
MTP-M14X1.25ISO6HX-TB-P011	02999956	MF14X1.25	1,25	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	94,33 *3.714*	12,8 *0.504*	11.00X9.00	4	DIN374	6HX	B
MTP-M14X1.50ISO6HX-TB-P011	02999957	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	93,0625 *3.664*	12,6 *0.496*	11.00X9.00	4	DIN374	6HX	B
MTP-M16X1.00ISO6HX-TB-P011	02999958	MF16X1.0	1,0	–	12,0 *0.472*	58,0 *2.283*	21,0 *0.827*	95,35 *3.754*	15,1 *0.594*	12.00X9.00	4	DIN374	6HX	B
MTP-M16X1.50ISO6HX-TB-P011	02999959	MF16X1.5	1,5	–	12,0 *0.472*	58,0 *2.283*	21,0 *0.827*	93,0625 *3.664*	14,6 *0.575*	12.00X9.00	4	DIN374	6HX	B
MTP-M18X1.00ISO6HX-TB-P011	02999960	MF18X1.0	1,0	–	14,0 *0.551*	66,0 *2.598*	24,0 *0.945*	105,35 *4.148*	17,1 *0.673*	14.00X11.00	4	DIN374	6HX	B
MTP-M18X1.50ISO6HX-TB-P011	02999961	MF18X1.5	1,5	–	14,0 *0.551*	66,0 *2.598*	24,0 *0.945*	103,35 *4.069*	16,6 *0.654*	14.00X11.00	4	DIN374	6HX	B
MTP-M20X1.00ISO6HX-TB-P011	02999962	MF20X1.0	1,0	–	16,0 *0.630*	80,0 *3.150*	24,0 *0.945*	120,24 *4.734*	19,1 *0.752*	16.00X12.00	4	DIN374	6HX	B
MTP-M20X1.50ISO6HX-TB-P011	02999963	MF20X1.5	1,5	–	16,0 *0.630*	80,0 *3.150*	24,0 *0.945*	118,25 *4.656*	18,6 *0.732*	16.00X12.00	4	DIN374	6HX	B
MTP-M22X1.50ISO6HX-TB-P011	02999964	MF22X1.5	1,5	–	18,0 *0.709*	78,0 *3.071*	25,0 *0.984*	118,25 *4.656*	20,5 *0.807*	18.00X14.50	4	DIN374	6HX	B
MTP-M24X1.50ISO6HX-TB-P011	02999965	MF24X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	28,0 *1.102*	133,23 *5.245*	22,5 *0.886*	18.00X14.50	4	DIN374	6HX	B

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M24X2.00ISO6HX-TB-P011	02999966	MF24X2.0	2,0	–	18,0 *0.709*	93,0 *3.661*	28,0 *1.102*	131,28 *5.169*	22,0 *0.866*	18.00X14.50	4	DIN374	6HX	B
MTP-M25X1.50ISO6HX-TB-P011	02999967	MF25X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	28,0 *1.102*	133,23 *5.245*	23,5 *0.925*	18.00X14.50	4	DIN374	6HX	B
MTP-M26X1.50ISO6HX-TB-P011	02999968	MF26X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	28,0 *1.102*	133,23 *5.245*	24,5 *0.965*	18.00X14.50	4	DIN374	6HX	B
MTP-M27X1.50ISO6HX-TB-P011	02999969	MF27X1.5	1,5	–	20,0 *0.787*	77,0 *3.031*	28,0 *1.102*	133,22 *5.245*	25,5 *1.004*	20.00X16.00	4	DIN374	6HX	B
MTP-M27X2.00ISO6HX-TB-P011	02999970	MF27X2.0	2,0	–	20,0 *0.787*	77,0 *3.031*	28,0 *1.102*	131,28 *5.169*	25,0 *0.984*	20.00X16.00	4	DIN374	6HX	B
MTP-M28X1.50ISO6HX-TB-P011	02999971	MF28X1.5	1,5	–	20,0 *0.787*	77,0 *3.031*	28,0 *1.102*	133,22 *5.245*	26,5 *1.043*	20.00X16.00	4	DIN374	6HX	B
MTP-M30X1.50ISO6HX-TB-P011	02999972	MF30X1.5	1,5	–	22,0 *0.866*	85,0 *3.346*	28,0 *1.102*	143,22 *5.639*	28,5 *1.122*	22.00X18.00	4	DIN374	6HX	B
MTP-M30X2.00ISO6HX-TB-P011	02999973	MF30X2.0	2,0	–	22,0 *0.866*	85,0 *3.346*	28,0 *1.102*	141,27 *5.562*	28,0 *1.102*	22.00X18.00	4	DIN374	6HX	B

MTP-M003

Fori passanti – Filettature metriche grosse

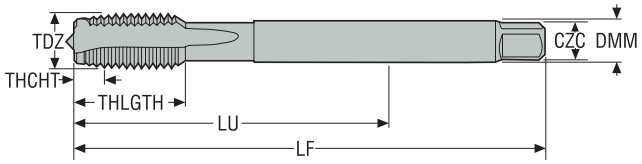


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M4X0.70ISO6H-TB-M003-A	03000094	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	11,7 *0.461*	59,82 *2.355*	3,4 *0.134*	4.50X3.40	3	DIN371	6H	B
MTP-M5X0.80ISO6H-TB-M003-A	03000095	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	12,6 *0.496*	66,4 *2.614*	4,3 *0.169*	6.00X4.90	3	DIN371	6H	B
MTP-M6X1.00ISO6H-TB-M003-A	03000096	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	14,5 *0.571*	75,375 *2.968*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	B
MTP-M8X1.25ISO6H-TB-M003-A	03000097	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	17,4 *0.685*	84,21875 *3.316*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	B
MTP-M10X1.50ISO6H-TB-M003-A	03000098	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	19,2 *0.756*	93,0625 *3.664*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	B

MTP-M004

Fori passanti – Filettature metriche grosse

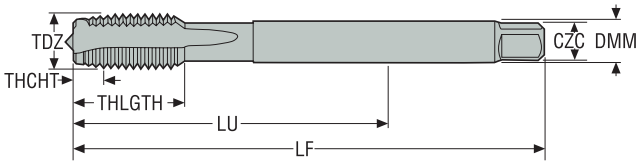


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6H-TB-M004	03000087	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	101,90625 *4.012*	10,4 *0.409*	9.00X7.00	4	DIN376	6H	B
MTP-M14X2.00ISO6H-TB-M004	03000088	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	100,75 *3.967*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	B
MTP-M16X2.00ISO6H-TB-M004	03000090	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	100,75 *3.967*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	B
MTP-M18X2.50ISO6H-TB-M004	03000091	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	113,4375 *4.466*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	B
MTP-M20X2.50ISO6H-TB-M004	03000092	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	128,4375 *5.057*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	B

MTP-M004

Fori passanti – Filettature metriche grosse

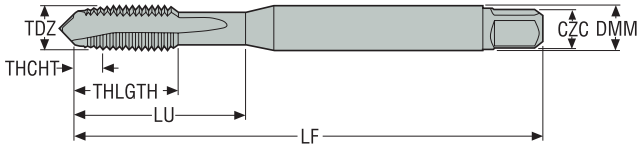


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6H-TB-M004-A	03000099	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	101,90625 *4.012*	10,4 *0.409*	9.00X7.00	4	DIN376	6H	B
MTP-M14X2.00ISO6H-TB-M004-A	03000100	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	101,14 *3.982*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	B
MTP-M16X2.00ISO6H-TB-M004-A	03000101	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	101,05 *3.978*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	B
MTP-M18X2.50ISO6H-TB-M004-A	03000102	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	114,15 *4.494*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	B
MTP-M20X2.50ISO6H-TB-M004-A	03000103	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	129,15 *5.085*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	B
MTP-M22X2.50ISO6H-TB-M004-A	03000104	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	129,53 *5.100*	19,7 *0.776*	18.00X14.50	4	DIN376	6H	B
MTP-M24X3.00ISO6H-TB-M004-A	03000105	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	147,58 *5.810*	21,0 *0.827*	18.00X14.50	4	DIN376	6H	B

MTP-N001

Fori passanti – Filettature metriche grosse

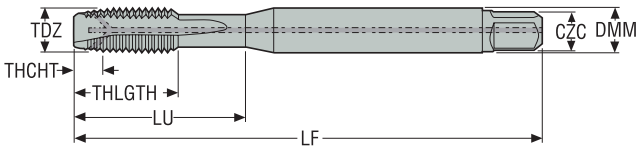


- Substrato: HSS-E
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M3X0.50ISO6H-TB-N001	03000136	M3	0,5	–	3,5 *0.138*	16,0 *0.630*	9,0 *0.354*	54,625 *2.151*	2,5 *0.098*	3.50X2.70	2	DIN371	6H	B
MTP-M4X0.70ISO6H-TB-N001	03000137	M4	0,7	–	4,5 *0.177*	19,0 *0.748*	12,0 *0.472*	59,85 *2.356*	3,4 *0.134*	4.50X3.40	2	DIN371	6H	B
MTP-M5X0.80ISO6H-TB-N001	03000138	M5	0,8	–	6,0 *0.236*	23,0 *0.906*	13,0 *0.512*	66,4 *2.614*	4,3 *0.169*	6.00X4.90	2	DIN371	6H	B
MTP-M6X1.00ISO6H-TB-N001	03000139	M6	1,0	–	6,0 *0.236*	27,0 *1.063*	15,0 *0.591*	75,375 *2.968*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	B
MTP-M8X1.25ISO6H-TB-N001	03000140	M8	1,25	–	8,0 *0.315*	28,0 *1.102*	18,0 *0.709*	84,21875 *3.316*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	B
MTP-M10X1.50ISO6H-TB-N001	03000141	M10	1,5	–	10,0 *0.394*	30,0 *1.181*	20,0 *0.787*	93,25 *3.671*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	B

MTP-N001-A

Fori passanti – Filettature metriche grosse

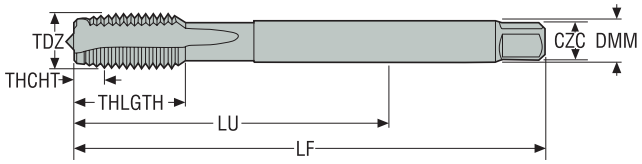


- Adduzione refrigerante interna
- Substrato: HSS-PM
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M4X0.70ISO6H-TB-N001-A	03000145	M4	0,7	–	4,5 *0.177*	19,0 *0.748*	12,0 *0.472*	59,85 *2.356*	3,4 *0.134*	4.50X3.40	2	DIN371	6H	B
MTP-M5X0.80ISO6H-TB-N001-A	03000146	M5	0,8	–	6,0 *0.236*	23,0 *0.906*	13,0 *0.512*	66,4 *2.614*	4,3 *0.169*	6.00X4.90	2	DIN371	6H	B
MTP-M6X1.00ISO6H-TB-N001-A	03000147	M6	1,0	–	6,0 *0.236*	27,0 *1.063*	15,0 *0.591*	75,5 *2.972*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	B
MTP-M8X1.25ISO6H-TB-N001-A	03000148	M8	1,25	–	8,0 *0.315*	28,0 *1.102*	18,0 *0.709*	84,37 *3.322*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	B
MTP-M10X1.50ISO6H-TB-N001-A	03000149	M10	1,5	–	10,0 *0.394*	30,0 *1.181*	20,0 *0.787*	93,25 *3.671*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	B

MTP-N002

Fori passanti – Filettature metriche grosse

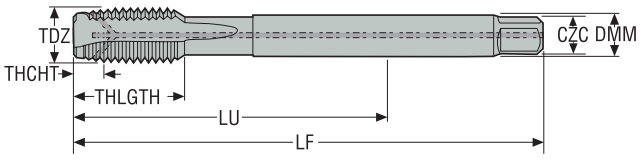


- Substrato: HSS-E
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6H-TB-N002	03000142	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	102,1 *4.020*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	B
MTP-M14X2.00ISO6H-TB-N002	03000143	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	101,0 *3.976*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	B
MTP-M16X2.00ISO6H-TB-N002	03000144	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	101,0 *3.976*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	B

MTP-N002-A

Fori passanti – Filettature metriche grosse

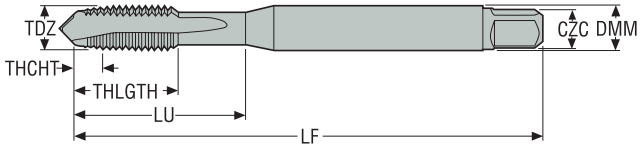


- Adduzione refrigerante interna
- Substrato: HSS-PM
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6H-TB-N002-A	03000150	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	102,1 *4.020*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	B
MTP-M14X2.00ISO6H-TB-N002-A	03000151	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	101,0 *3.976*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	B
MTP-M16X2.00ISO6H-TB-N002-A	03000152	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	101,0 *3.976*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	B

MTP-S001

Fori passanti – Filettature metriche grosse

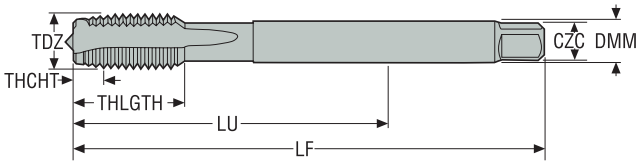


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M2X0.40ISO6HX-TB-S001	10001159	M2	0,4	–	2,8 *0.110*	8,0 *0.315*	8,0 *0.315*	43,2 *1.701*	1,6 *0.063*	2.80X2.10	2	DIN371	6HX	B
MTP-M2.5X0.45ISO6HX-TB-S001	10001161	M2.5	0,45	–	2,8 *0.110*	9,0 *0.354*	9,0 *0.354*	47,97 *1.889*	2,1 *0.083*	2.80X2.10	2	DIN371	6HX	B
MTP-M3X0.50ISO6HX-TB-S001	10001162	M3	0,5	–	3,5 *0.138*	10,0 *0.394*	10,0 *0.394*	53,75 *2.116*	2,5 *0.098*	3.50X2.70	2	DIN371	6HX	B
MTP-M3.5X0.60ISO6HX-TB-S001	10001163	M3.5	0,6	–	4,0 *0.157*	12,0 *0.472*	12,0 *0.472*	53,3 *2.098*	2,9 *0.114*	4.00X3.00	3	DIN371	6HX	B
MTP-M4X0.70ISO6HX-TB-S001	10001164	M4	0,7	–	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	59,85 *2.356*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	B
MTP-M5X0.80ISO6HX-TB-S001	10001165	M5	0,8	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	66,4 *2.614*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	B
MTP-M6X1.00ISO6HX-TB-S001	10001166	M6	1,0	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	75,5 *2.972*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	B
MTP-M8X1.25ISO6HX-TB-S001	10001167	M8	1,25	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	84,37 *3.322*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	B
MTP-M10X1.50ISO6HX-TB-S001	10001168	M10	1,5	–	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	93,25 *3.671*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	B

MTP-S002

Fori passanti – Filettature metriche grosse

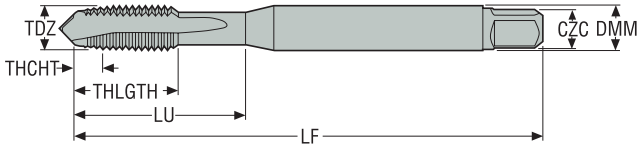


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M12X1.75ISO6HX-TB-S002	10001169	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	102,12 *4.020*	10,4 *0.409*	9.00X7.00	4	DIN376	6HX	B
MTP-M16X2.00ISO6HX-TB-S002	10001170	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	101,0 *3.976*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	B
MTP-M20X2.50ISO6HX-TB-S002	10001171	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	128,75 *5.069*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	B

MTP-S011

Fori passanti – Filettature MF

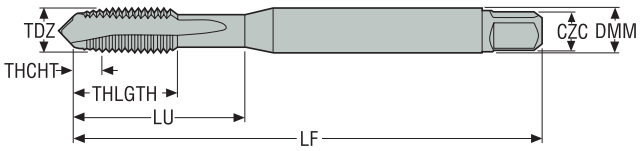


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-M6X0.75ISO6HX-TB-S011	10001176	MF6X0.75	0,75	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	76,62 *3.017*	5,25 *0.207*	6.00X4.90	3	DIN371	6HX	B
MTP-M8X0.750ISO6HX-TB-S011	10001177	MF8X0.75	0,75	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	86,62 *3.410*	7,25 *0.285*	8.00X6.20	3	DIN371	6HX	B
MTP-M8X1.00ISO6HX-TB-S011	10001178	MF8X1.0	1,0	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	85,5 *3.366*	7,0 *0.276*	8.00X6.20	3	DIN371	6HX	B
MTP-M10X1.00ISO6HX-TB-S011	10001179	MF10X1.0	1,0	–	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	95,5 *3.760*	9,0 *0.354*	10.00X8.00	3	DIN371	6HX	B
MTP-M12X1.00ISO6HX-TB-S011	10001180	MF12X1.0	1,0	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	95,5 *3.760*	11,0 *0.433*	9.00X7.00	4	DIN374	6HX	B
MTP-M12X1.50ISO6HX-TB-S011	10001181	MF12X1.5	1,5	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	93,25 *3.671*	10,5 *0.413*	9.00X7.00	4	DIN374	6HX	B
MTP-M14X1.50ISO6HX-TB-S011	10001182	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	93,25 *3.671*	12,5 *0.492*	11.00X9.00	4	DIN374	6HX	B

MTP-S012

Fori passanti – MJ threads

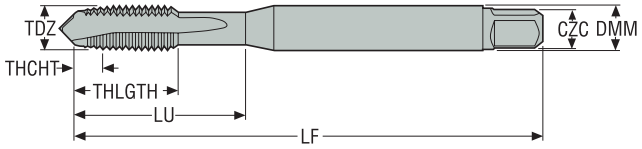


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-MJ4X0.70ISO4H-TB-S012	10001172	MJ4X0.7	0,7	–	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	59,85 *2.356*	3,4 *0.134*	4.50X3.40	3	DIN371	4H	B
MTP-MJ5X0.80ISO4H-TB-S012	10001173	MJ5X0.8	0,8	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	66,4 *2.614*	4,3 *0.169*	6.00X4.90	3	DIN371	4H	B
MTP-MJ6X1.00ISO4H-TB-S012	10001174	MJ6X1	1,0	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	75,5 *2.972*	5,1 *0.201*	6.00X4.90	3	DIN371	4H	B
MTP-MJ8X1.25ISO4H-TB-S012	10001175	MJ8X1.25	1,25	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	84,37 *3.322*	6,9 *0.272*	8.00X6.20	3	DIN371	4H	B

MTP-S013

Fori passanti – Filettature EGM

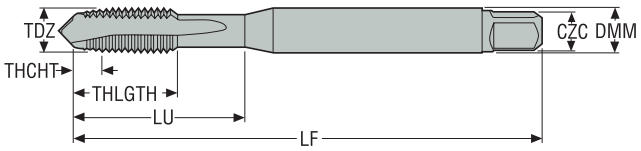


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*					
MTP-EGM4X0.7ISO4H-TB-S013 *MTP-STIM4X0.7ISO4H-TB-S013*	10001218	EGM4	0,7	–	6,0 *0.236*	16 *0.630*	16,0 *0.630*	66,9 *2.632*	4,2 *0.165*	6.00X4.90	3	DIN40435	4H	B
MTP-EGM5X0.8ISO4H-TB-S013 *MTP-STIM5X0.8ISO4H-TB-S013*	10001219	EGM5	0,8	–	6,0 *0.236*	23 *0.906*	15,0 *0.591*	76,4 *3.008*	5,3 *0.207*	6.00X4.90	3	DIN40435	4H	B
MTP-EGM6X1.0ISO4H-TB-S013 *MTP-STIM6X1.0ISO4H-TB-S013*	10001220	EGM6	1,0	–	8,0 *0.315*	35 *1.378*	18,0 *0.709*	85,5 *3.366*	6,3 *0.248*	8.00X6.20	3	DIN40435	4H	B
MTP-EGM8X1.25ISO4H-TB-S013 *MTP-STIM8X1.25ISO4H-TB-S013*	10001221	EGM8	1,25	–	10,0 *0.394*	34 *1.319*	20,0 *0.787*	94,4 *3.715*	8,4 *0.331*	10.00X8.00	3	DIN40435	4H	B

MTP-S042

Fori passanti – UNJF threads

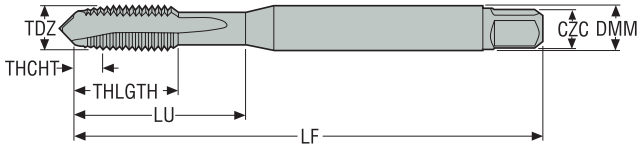


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-10-32UNJF3B-TB-S042	10001183	UNJF10-32	–	32.0	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	66,43 *2.615*	4,15 *0.163*	6.00X4.90	3	DIN2184-1	3B	B
MTP-1/4-28UNJF3B-TB-S042	10001184	UNJF1/4-28	–	28.0	7,0 *0.276*	25,0 *0.984*	15,0 *0.591*	75,92 *2.989*	5,6 *0.220*	7.00X5.50	3	DIN2184-1	3B	B
MTP-5/16-24UNJF3B-TB-S042	10001186	UNJF5/16-24	–	24.0	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	85,24 *3.356*	7,0 *0.276*	8.00X6.20	3	DIN2184-1	3B	B
MTP-3/8-24UNJF3B-TB-S042	10001185	UNJF3/8-24	–	24.0	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	95,24 *3.750*	8,6 *0.339*	10.00X8.00	3	DIN2184-1	3B	B

MTP-S043

Fori passanti – Filettature EGUNF

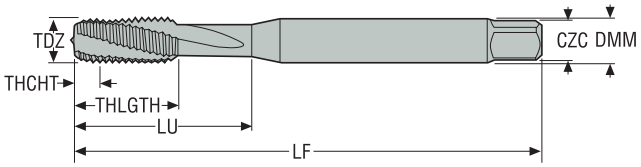


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 279

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTP-10-32EGUNF3B-TB-S043	10001214	EGUN10-32	–	32.0	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	76,43 *3.009*	5,1 *0.201*	6.00X4.90	3	DIN2184-1	3B	B
MTP-1/4-28EGUNF3B-TB-S043	10001215	EGUNF1/4-28	–	28.0	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	85,92 *3.383*	6,6 *0.260*	8.00X6.20	3	DIN2184-1	3B	B
MTP-5/16-24EGUNF3B-TB-S043	10001216	EGUNF5/16-24	–	24.0	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	95,24 *3.750*	8,2 *0.323*	10.00X8.00	3	DIN2184-1	3B	B
MTP-3/8-24EGUNF3B-TB-S043	10001217	EGUNF3/8-24	–	24.0	8,0 *0.315*	76,0 *2.992*	20,0 *0.787*	95,24 *3.750*	9,8 *0.386*	8.00X6.20	3	DIN2184-1	3B	B

MTH-P001

Fori ciechi – Filettature metriche grosse

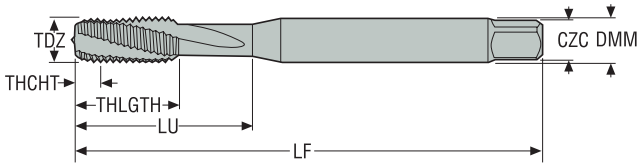


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M3X0.50ISO6H-BC-P001	02999974	M3	0,5	–	4,5 *0.177*	12,0 *0.472*	12,0 *0.472*	61,625 *2.426*	2,5 *0.098*	4.50X3.40	3	SECO-DIN	6H	C
MTH-M4X0.70ISO6H-BC-P001	02999975	M4	0,7	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	67,97 *2.676*	3,4 *0.134*	6.00X4.90	3	SECO-DIN	6H	C
MTH-M5X0.80ISO6H-BC-P001	02999976	M5	0,8	–	6,0 *0.236*	15,0 *0.591*	15,0 *0.591*	77,67 *3.058*	4,3 *0.169*	6.00X4.90	3	SECO-DIN	6H	C
MTH-M6X1.00ISO6H-BC-P001	02999977	M6	1,0	–	8,0 *0.315*	18,0 *0.709*	18,0 *0.709*	87,25 *3.435*	5,1 *0.201*	8.00X6.20	3	SECO-DIN	6H	C
MTH-M8X1.25ISO6H-BC-P001	02999978	M8	1,25	–	10,0 *0.394*	20,0 *0.787*	20,0 *0.787*	96,5625 *3.802*	6,8 *0.268*	10.00X8.00	3	SECO-DIN	6H	C
MTH-M10X1.50ISO6H-BC-P001	02999979	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	SECO-DIN	6H	C

MTH-P001-A

Fori ciechi – Filettature metriche grosse

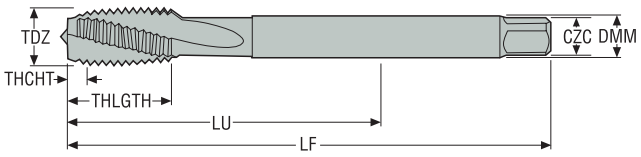


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M4X0.70ISO6H-BC-P001-A	02999985	M4	0,7	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	67,97 *2.676*	3,4 *0.134*	6.00X4.90	3	SECO-DIN	6H	C
MTH-M5X0.80ISO6H-BC-P001-A	02999986	M5	0,8	–	6,0 *0.236*	15,0 *0.591*	15,0 *0.591*	77,67 *3.058*	4,3 *0.169*	6.00X4.90	3	SECO-DIN	6H	C
MTH-M6X1.00ISO6H-BC-P001-A	02999987	M6	1,0	–	8,0 *0.315*	18,0 *0.709*	18,0 *0.709*	87,07 *3.428*	5,1 *0.201*	8.00X6.20	3	SECO-DIN	6H	C
MTH-M8X1.25ISO6H-BC-P001-A	02999988	M8	1,25	–	10,0 *0.394*	20,0 *0.787*	20,0 *0.787*	96,32 *3.792*	6,8 *0.268*	10.00X8.00	3	SECO-DIN	6H	C
MTH-M10X1.50ISO6H-BC-P001-A	02999989	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,57 *3.763*	8,6 *0.339*	10.00X8.00	3	SECO-DIN	6H	C

MTH-P002

Fori ciechi – Filettature metriche grosse

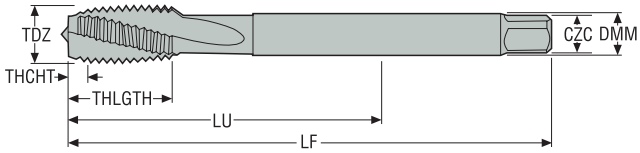


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-P002	02999980	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,1875 *4.141*	10,4 *0.409*	9.00X7.00	4	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-P002	02999981	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,5 *4.114*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-P002	02999982	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	C
MTH-M18X2.50ISO6H-BC-P002	02999983	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	118,125 *4.651*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	C
MTH-M20X2.50ISO6H-BC-P002	02999984	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,125 *5.241*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	C

MTH-P002-A

Fori ciechi – Filettature metriche grosse

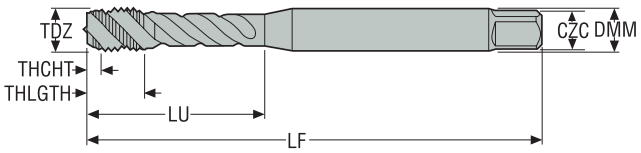


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-P002-A	02999990	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	104,38 *4.109*	10,4 *0.409*	9.00X7.00	4	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-P002-A	02999991	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	103,74 *4.084*	12,1 *0.476*	11.00X9.00	4	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-P002-A	02999992	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	103,74 *4.084*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	C
MTH-M18X2.50ISO6H-BC-P002-A	02999993	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	117,05 *4.608*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	C
MTH-M20X2.50ISO6H-BC-P002-A	02999994	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	132,05 *5.199*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	C

MTH-P003

Fori ciechi – Filettature metriche grosse

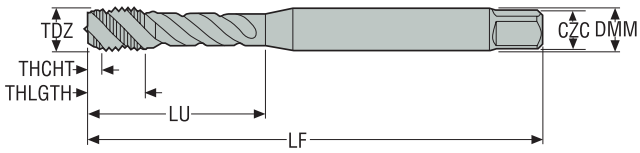


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M1.6X0.35ISO6HX-BC-P003	02999995	M1.6	0,35	–	2,5 *0.098*	6,0 *0.236*	4,0 *0.157*	39,3 *1.547*	1,3 *0.051*	2.50X2.10	2	DIN371	6HX	C
MTH-M2X0.40ISO6HX-BC-P003	02999996	M2	0,4	–	2,8 *0.110*	9,0 *0.354*	4,0 *0.157*	44,2 *1.740*	1,6 *0.063*	2.80X2.10	2	DIN371	6HX	C
MTH-M2.2X0.45ISO6HX-BC-P003	02999997	M2.2	0,45	–	2,8 *0.110*	12,0 *0.472*	4,0 *0.157*	44,1 *1.736*	1,8 *0.071*	2.80X2.10	2	DIN371	6HX	C
MTH-M2.3X0.40ISO6HX-BC-P003	02999998	M2.3	0,4	–	2,8 *0.110*	12,0 *0.472*	4,0 *0.157*	44,2 *1.740*	1,9 *0.075*	2.80X2.10	2	DIN371	6HX	C
MTH-M2.5X0.45ISO6HX-BC-P003	02999999	M2.5	0,45	–	2,8 *0.110*	12,5 *0.492*	4,0 *0.157*	49,1 *1.933*	2,1 *0.083*	2.80X2.10	2	DIN371	6HX	C
MTH-M2.6X0.45ISO6HX-BC-P003	03000000	M2.6	0,45	–	2,8 *0.110*	12,5 *0.492*	4,0 *0.157*	49,1 *1.933*	2,15 *0.085*	2.80X2.10	2	DIN371	6HX	C
MTH-M3X0.50ISO6HX-BC-P003	03000001	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	5,9 *0.232*	54,625 *2.151*	2,5 *0.098*	3.50X2.70	3	DIN371	6HX	C
MTH-M3.5X0.60ISO6HX-BC-P003	03000002	M3.5	0,6	–	4,0 *0.157*	20,0 *0.787*	7,0 *0.276*	54,35 *2.140*	2,9 *0.114*	4.00X3.00	3	DIN371	6HX	C
MTH-M4X0.70ISO6HX-BC-P003	03000003	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	6,7 *0.264*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	C
MTH-M5X0.80ISO6HX-BC-P003	03000004	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	7,7 *0.303*	67,8 *2.669*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	C
MTH-M6X1.00ISO6HX-BC-P003	03000006	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	C
MTH-M7X1.00ISO6HX-BC-P003	03000007	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	6,1 *0.240*	7.00X5.50	3	DIN371	6HX	C
MTH-M8X1.25ISO6HX-BC-P003	03000008	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	11,6 *0.457*	86,5625 *3.408*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.50ISO6HX-BC-P003	03000009	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	15,1 *0.594*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	C

MTH-P003-A

Fori ciechi – Filettature metriche grosse

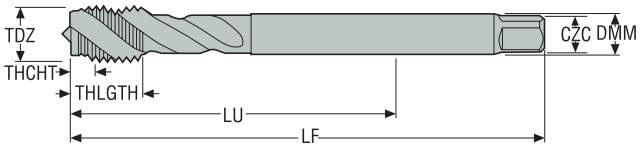


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M4X0.70ISO6HX-BC-P003-A	03000024	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	6,7 *0.264*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	C
MTH-M5X0.80ISO6HX-BC-P003-A	03000025	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	7,7 *0.303*	68,1 *2.681*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	C
MTH-M6X1.00ISO6HX-BC-P003-A	03000026	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	10,0 *0.394*	77,39 *3.047*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	C
MTH-M7X1.00ISO6HX-BC-P003-A	03000027	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	6,1 *0.240*	7.00X5.50	3	DIN371	6HX	C
MTH-M8X1.25ISO6HX-BC-P003-A	03000028	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	11,6 *0.457*	86,5625 *3.408*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.50ISO6HX-BC-P003-A	03000029	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	15,1 *0.594*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	C

MTH-P004

Fori ciechi – Filettature metriche grosse

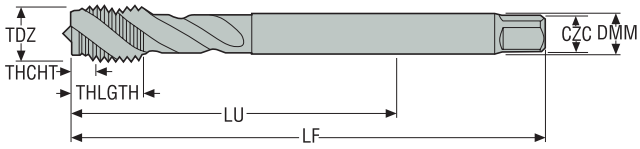


- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M5X0.80ISO6HX-BC-P004	03000010	M5	0,8	–	3,5 *0.138*	49,0 *1.929*	8,0 *0.315*	67,8 *2.669*	4,3 *0.169*	3.50X2.70	3	DIN376	6HX	C
MTH-M6X1.00ISO6HX-BC-P004	03000011	M6	1,0	–	4,5 *0.177*	59,0 *2.323*	10,0 *0.394*	77,25 *3.041*	5,1 *0.201*	4.50X3.40	3	DIN376	6HX	C
MTH-M7X1.00ISO6HX-BC-P004	03000012	M7	1,0	–	5,5 *0.217*	59,0 *2.323*	10,0 *0.394*	77,25 *3.041*	6,1 *0.240*	5.50X4.30	3	DIN376	6HX	C
MTH-M8X1.25ISO6HX-BC-P004	03000013	M8	1,25	–	6,0 *0.236*	67,0 *2.638*	13,0 *0.512*	86,5625 *3.408*	6,8 *0.268*	6.00X4.90	3	DIN376	6HX	C
MTH-M10X1.50ISO6HX-BC-P004	03000014	M10	1,5	–	7,0 *0.276*	77,0 *3.031*	20,0 *0.787*	95,875 *3.775*	8,6 *0.339*	7.00X5.50	3	DIN376	6HX	C
MTH-M12X1.75ISO6HX-BC-P004	03000015	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	16,0 *0.630*	105,59 *4.157*	10,4 *0.409*	9.00X7.00	3	DIN376	6HX	C
MTH-M14X2.00ISO6HX-BC-P004	03000016	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,5 *4.114*	12,1 *0.476*	11.00X9.00	3	DIN376	6HX	C
MTH-M16X2.00ISO6HX-BC-P004	03000017	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	20,0 *0.787*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	C
MTH-M18X2.50ISO6HX-BC-P004	03000018	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	25,0 *0.984*	118,75 *4.675*	15,7 *0.618*	14.00X11.00	4	DIN376	6HX	C
MTH-M20X2.50ISO6HX-BC-P004	03000019	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	25,0 *0.984*	133,75 *5.266*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	C
MTH-M22X2.50ISO6HX-BC-P004	03000020	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	25,0 *0.984*	133,73 *5.265*	19,7 *0.776*	18.00X14.50	4	DIN376	6HX	C
MTH-M24X3.00ISO6HX-BC-P004	03000021	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	30,0 *1.181*	152,72 *6.013*	21,0 *0.827*	18.00X14.50	4	DIN376	6HX	C
MTH-M27X3.00ISO6HX-BC-P004	03000022	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	30,0 *1.181*	152,76 *6.014*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	C
MTH-M30X3.50ISO6HX-BC-P004	03000023	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	36,0 *1.417*	171,78 *6.763*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	C

MTH-P004-A

Fori ciechi – Filettature metriche grosse

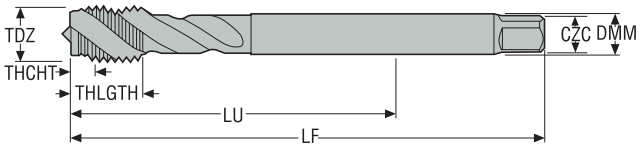


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6HX-BC-P004-A	03000030	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	16,0 *0.630*	105,59 *4.157*	10,4 *0.409*	9.00X7.00	3	DIN376	6HX	C
MTH-M14X2.00ISO6HX-BC-P004-A	03000031	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	105,08 *4.137*	12,1 *0.476*	11.00X9.00	3	DIN376	6HX	C
MTH-M16X2.00ISO6HX-BC-P004-A	03000032	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	20,0 *0.787*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	C
MTH-M18X2.50ISO6HX-BC-P004-A	03000033	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	25,0 *0.984*	118,75 *4.675*	15,7 *0.618*	14.00X11.00	4	DIN376	6HX	C
MTH-M20X2.50ISO6HX-BC-P004-A	03000034	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	25,0 *0.984*	133,75 *5.266*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	C
MTH-M22X2.50ISO6HX-BC-P004-A	03000036	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	25,0 *0.984*	133,73 *5.265*	19,7 *0.776*	18.00X14.50	4	DIN376	6HX	C
MTH-M24X3.00ISO6HX-BC-P004-A	03000037	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	30,0 *1.181*	152,72 *6.013*	21,0 *0.827*	18.00X14.50	4	DIN376	6HX	C
MTH-M27X3.00ISO6HX-BC-P004-A	03000038	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	30,0 *1.181*	151,75 *5.974*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	C
MTH-M30X3.50ISO6HX-BC-P004-A	03000039	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	36,0 *1.417*	171,78 *6.763*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	C

MTH-P011

Fori ciechi – Filettature MF



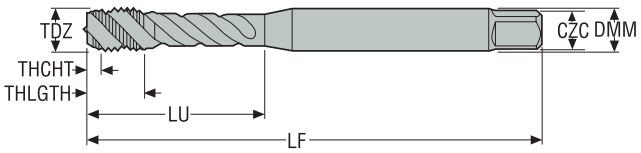
- Substrato: HSS-E-PM
- Rivestimento: Base AlTiN
- Per i parametri di taglio, vedere le pagine 267

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M4X0.50ISO6HX-BC-P011	03000040	MF4X0.5	0,5	–	2,8 *0.110*	43,0 *1.693*	7,0 *0.276*	61,625 *2.426*	3,5 *0.138*	2.80X2.10	3	DIN374	6HX	C
MTH-M5X0.50ISO6HX-BC-P011	03000041	MF5X0.5	0,5	–	3,5 *0.138*	49,0 *1.929*	8,0 *0.315*	68,75 *2.707*	4,5 *0.177*	3.50X2.70	3	DIN374	6HX	C
MTH-M6X0.75ISO6HX-BC-P011	03000042	MF6X0.75	0,75	–	4,5 *0.177*	59,0 *2.323*	10,0 *0.394*	77,7 *3.059*	5,3 *0.209*	4.50X3.40	3	DIN374	6HX	C
MTH-M8X0.75ISO6HX-BC-P011	03000043	MF8X0.75	0,75	–	6,0 *0.236*	57,0 *2.244*	13,0 *0.512*	77,72 *3.060*	7,3 *0.287*	6.00X4.90	3	DIN374	6HX	C
MTH-M8X1.00ISO6HX-BC-P011	03000044	MF8X1.0	1,0	–	6,0 *0.236*	67,0 *2.638*	13,0 *0.512*	87,2 *3.433*	7,1 *0.280*	6.00X4.90	3	DIN374	6HX	C
MTH-M10X0.75ISO6HX-BC-P011	03000045	MF10X0.75	0,75	–	7,0 *0.276*	67,0 *2.638*	13,0 *0.512*	87,73 *3.454*	9,3 *0.366*	7.00X5.50	3	DIN374	6HX	C
MTH-M10X1.00ISO6HX-BC-P011	03000046	MF10X1.0	1,0	–	7,0 *0.276*	67,0 *2.638*	13,0 *0.512*	87,25 *3.435*	9,1 *0.358*	7.00X5.50	3	DIN374	6HX	C
MTH-M10X1.25ISO6HX-BC-P011	03000047	MF10X1.25	1,25	–	7,0 *0.276*	77,0 *3.031*	15,0 *0.591*	96,5625 *3.802*	8,8 *0.346*	7.00X5.50	3	DIN374	6HX	C
MTH-M12X1.00ISO6HX-BC-P011	03000048	MF12X1.0	1,0	–	9,0 *0.354*	73,0 *2.874*	15,0 *0.591*	97,25 *3.829*	11,1 *0.437*	9.00X7.00	3	DIN374	6HX	C
MTH-M12X1.25ISO6HX-BC-P011	03000049	MF12X1.25	1,25	–	9,0 *0.354*	73,0 *2.874*	15,0 *0.591*	96,5625 *3.802*	10,8 *0.425*	9.00X7.00	3	DIN374	6HX	C
MTH-M12X1.50ISO6HX-BC-P011	03000050	MF12X1.5	1,5	–	9,0 *0.354*	73,0 *2.874*	15,0 *0.591*	96,07 *3.782*	10,6 *0.417*	9.00X7.00	3	DIN374	6HX	C
MTH-M14X1.00ISO6HX-BC-P011	03000051	MF14X1.0	1,0	–	11,0 *0.433*	71,0 *2.795*	15,0 *0.591*	97,11 *3.823*	13,1 *0.516*	11.00X9.00	3	DIN374	6HX	C
MTH-M14X1.25ISO6HX-BC-P011	03000052	MF14X1.25	1,25	–	11,0 *0.433*	71,0 *2.795*	15,0 *0.591*	96,5625 *3.802*	12,8 *0.504*	11.00X9.00	3	DIN374	6HX	C
MTH-M14X1.50ISO6HX-BC-P011	03000053	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	15,0 *0.591*	95,875 *3.775*	12,6 *0.496*	11.00X9.00	3	DIN374	6HX	C
MTH-M16X1.00ISO6HX-BC-P011	03000054	MF16X1.0	1,0	–	12,0 *0.472*	58,0 *2.283*	15,0 *0.591*	97,25 *3.829*	15,1 *0.594*	12.00X9.00	4	DIN374	6HX	C
MTH-M16X1.50ISO6HX-BC-P011	03000055	MF16X1.5	1,5	–	12,0 *0.472*	58,0 *2.283*	15,0 *0.591*	95,875 *3.775*	14,6 *0.575*	12.00X9.00	4	DIN374	6HX	C
MTH-M18X1.00ISO6HX-BC-P011	03000056	MF18X1.0	1,0	–	14,0 *0.551*	66,0 *2.598*	17,0 *0.669*	105,875 *4.168*	17,1 *0.673*	14.00X11.00	4	DIN374	6HX	C
MTH-M18X1.50ISO6HX-BC-P011	03000057	MF18X1.5	1,5	–	14,0 *0.551*	66,0 *2.598*	17,0 *0.669*	105,71 *4.162*	16,6 *0.654*	14.00X11.00	4	DIN374	6HX	C
MTH-M20X1.00ISO6HX-BC-P011	03000058	MF20X1.0	1,0	–	16,0 *0.630*	80,0 *3.150*	17,0 *0.669*	122,25 *4.813*	19,1 *0.752*	16.00X12.00	4	DIN374	6HX	C
MTH-M20X1.50ISO6HX-BC-P011	03000059	MF20X1.5	1,5	–	16,0 *0.630*	80,0 *3.150*	17,0 *0.669*	120,875 *4.759*	18,6 *0.732*	16.00X12.00	4	DIN374	6HX	C
MTH-M22X1.50ISO6HX-BC-P011	03000060	MF22X1.5	1,5	–	18,0 *0.709*	78,0 *3.071*	17,0 *0.669*	120,875 *4.759*	20,5 *0.807*	18.00X14.50	4	DIN374	6HX	C
MTH-M24X1.50ISO6HX-BC-P011	03000061	MF24X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	20,0 *0.787*	135,875 *5.349*	22,5 *0.886*	18.00X14.50	4	DIN374	6HX	C

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M24X2.00ISO6HX-BC-P011	03000062	MF24X2.0	2,0	–	18,0 *0.709*	93,0 *3.661*	20,0 *0.787*	134,7 *5.303*	22,0 *0.866*	18.00X14.50	4	DIN374	6HX	C
MTH-M25X1.50ISO6HX-BC-P011	03000063	MF25X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	20,0 *0.787*	135,7 *5.343*	23,5 *0.925*	18.00X14.50	4	DIN374	6HX	C
MTH-M26X1.50ISO6HX-BC-P011	03000064	MF26X1.5	1,5	–	18,0 *0.709*	93,0 *3.661*	20,0 *0.787*	135,7 *5.343*	24,5 *0.965*	18.00X14.50	4	DIN374	6HX	C
MTH-M27X1.50ISO6HX-BC-P011	03000065	MF27X1.5	1,5	–	20,0 *0.787*	77,0 *3.031*	20,0 *0.787*	135,875 *5.349*	25,5 *1.004*	20.00X16.00	4	DIN374	6HX	C
MTH-M27X2.00ISO6HX-BC-P011	03000066	MF27X2.0	2,0	–	20,0 *0.787*	77,0 *3.031*	20,0 *0.787*	134,73 *5.304*	25,0 *0.984*	20.00X16.00	4	DIN374	6HX	C
MTH-M28X1.50ISO6HX-BC-P011	03000067	MF28X1.5	1,5	–	20,0 *0.787*	77,0 *3.031*	20,0 *0.787*	135,72 *5.343*	26,5 *1.043*	20.00X16.00	4	DIN374	6HX	C
MTH-M30X1.50ISO6HX-BC-P011	03000068	MF30X1.5	1,5	–	22,0 *0.866*	85,0 *3.346*	20,0 *0.787*	150,0 *5.906*	28,5 *1.122*	22.00X18.00	4	DIN374	6HX	C
MTH-M30X2.00ISO6HX-BC-P011	03000069	MF30X2.0	2,0	–	22,0 *0.866*	85,0 *3.346*	20,0 *0.787*	144,73 *5.698*	28,0 *1.102*	22.00X18.00	4	DIN374	6HX	C

MTH-M003

Fori ciechi – Filettature metriche grosse

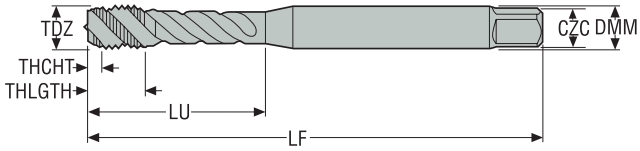


- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M1.6X0.35ISO6H-BC-M003	03000106	M1.6	0,35	–	2,5 *0.098*	6,0 *0.236*	4,0 *0.157*	39,21 *1.544*	1,3 *0.051*	2.50X2.10	2	DIN371	6H	C
MTH-M2X0.40ISO6H-BC-M003	03000107	M2	0,4	–	2,8 *0.110*	9,0 *0.354*	4,0 *0.157*	44,2 *1.740*	1,6 *0.063*	2.80X2.10	3	DIN371	6H	C
MTH-M2.2X0.45ISO6H-BC-M003	03000108	M2.2	0,45	–	2,8 *0.110*	12,0 *0.472*	4,0 *0.157*	44,41 *1.748*	1,8 *0.071*	2.80X2.10	3	DIN371	6H	C
MTH-M2.3X0.40ISO6H-BC-M003	03000109	M2.3	0,4	–	2,8 *0.110*	12,0 *0.472*	4,0 *0.157*	44,4 *1.748*	1,9 *0.075*	2.80X2.10	3	DIN371	6H	C
MTH-M2.5X0.45ISO6H-BC-M003	03000110	M2.5	0,45	–	2,8 *0.110*	12,5 *0.492*	4,0 *0.157*	49,32 *1.942*	2,1 *0.083*	2.80X2.10	3	DIN371	6H	C
MTH-M2.6X0.45ISO6H-BC-M003	03000111	M2.6	0,45	–	2,8 *0.110*	12,5 *0.492*	4,0 *0.157*	49,32 *1.942*	2,15 *0.085*	2.80X2.10	3	DIN371	6H	C
MTH-M3X0.50ISO6H-BC-M003	03000112	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	5,9 *0.232*	54,625 *2.151*	2,5 *0.098*	3.50X2.70	3	DIN371	6H	C
MTH-M3.5X0.60ISO6H-BC-M003	03000113	M3.5	0,6	–	4,0 *0.157*	20,0 *0.787*	7,0 *0.276*	54,35 *2.140*	2,9 *0.114*	4.00X3.00	3	DIN371	6H	C
MTH-M4X0.70ISO6H-BC-M003	03000114	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	6,7 *0.264*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6H	C
MTH-M5X0.80ISO6H-BC-M003	03000115	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	7,7 *0.303*	67,8 *2.669*	4,3 *0.169*	6.00X4.90	3	DIN371	6H	C
MTH-M6X1.00ISO6H-BC-M003	03000116	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	C
MTH-M7X1.00ISO6H-BC-M003	03000117	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	6,1 *0.240*	7.00X5.50	3	DIN371	6H	C
MTH-M8X1.25ISO6H-BC-M003	03000118	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	11,6 *0.457*	86,5625 *3.408*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	C
MTH-M10X1.50ISO6H-BC-M003	03000119	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	15,1 *0.594*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	C

MTH-M003-A

Fori ciechi – Filettature metriche grosse

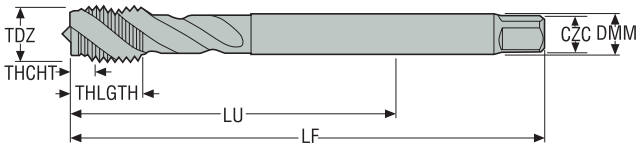


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M4X0.70ISO6H-BC-M003-A	03000125	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	6,7 *0.264*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6H	C
MTH-M5X0.80ISO6H-BC-M003-A	03000126	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	7,7 *0.303*	67,8 *2.669*	4,3 *0.169*	6.00X4.90	3	DIN371	6H	C
MTH-M6X1.00ISO6H-BC-M003-A	03000127	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	10,0 *0.394*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	C
MTH-M7X1.00ISO6H-BC-M003-A	03000128	M7	1,0	–	7,0 *0.276*	30,0 *1.181*	10,0 *0.394*	77,57 *3.054*	6,1 *0.240*	7.00X5.50	3	DIN371	6H	C
MTH-M8X1.25ISO6H-BC-M003-A	03000129	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	11,6 *0.457*	86,5625 *3.408*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	C
MTH-M10X1.50ISO6H-BC-M003-A	03000130	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	15,1 *0.594*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	C

MTH-M004

Fori ciechi – Filettature metriche grosse

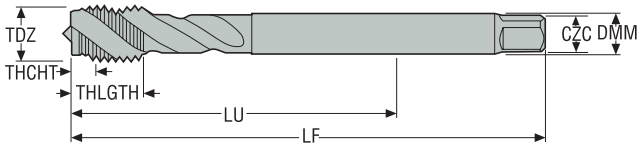


- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-M004	03000120	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,1875 *4.141*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-M004	03000121	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,5 *4.114*	12,1 *0.476*	11.00X9.00	3	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-M004	03000122	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	20,0 *0.787*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	C
MTH-M18X2.50ISO6H-BC-M004	03000123	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	25,0 *0.984*	118,125 *4.651*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	C
MTH-M20X2.50ISO6H-BC-M004	03000124	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	25,0 *0.984*	133,125 *5.241*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	C

MTH-M004-A

Fori ciechi – Filettature metriche grosse

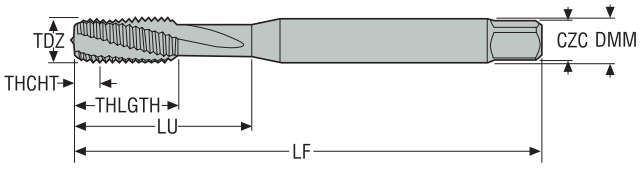


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiCN
- Per i parametri di taglio, vedere le pagine 271

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-M004-A	03000131	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,1875 *4.141*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-M004-A	03000132	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	105,63 *4.159*	12,1 *0.476*	11.00X9.00	3	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-M004-A	03000133	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	20,0 *0.787*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	4	DIN376	6H	C
MTH-M18X2.50ISO6H-BC-M004-A	03000134	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	25,0 *0.984*	119,42 *4.702*	15,7 *0.618*	14.00X11.00	4	DIN376	6H	C
MTH-M20X2.50ISO6H-BC-M004-A	03000135	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	25,0 *0.984*	134,43 *5.293*	17,7 *0.697*	16.00X12.00	4	DIN376	6H	C

MTH-N001

Fori ciechi – Filettature metriche grosse

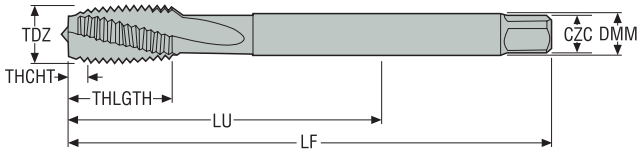


- Substrato: HSS-E-PM
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M3X0.50ISO6H-BC-N001	03000153	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	9,0 *0.354*	54,625 *2.151*	2,5 *0.098*	3.50X2.70	3	DIN371	6H	C
MTH-M4X0.70ISO6H-BC-N001	03000154	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	12,0 *0.472*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6H	C
MTH-M5X0.80ISO6H-BC-N001	03000155	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	13,0 *0.512*	68,2 *2.685*	4,3 *0.169*	6.00X4.90	3	DIN371	6H	C
MTH-M6X1.00ISO6H-BC-N001	03000156	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	15,0 *0.591*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	C
MTH-M8X1.25ISO6H-BC-N001	03000157	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	18,0 *0.709*	87,0 *3.425*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	C
MTH-M10X1.50ISO6H-BC-N001	03000158	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	96,3 *3.791*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	C

MTH-N002

Fori ciechi – Filettature metriche grosse

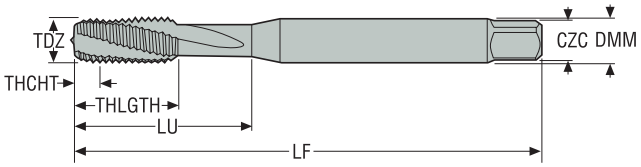


- Substrato: HSS-E-PM
- Rivestimento: LUMINOSO
- Per i parametri di taglio, vedere le pagine 273

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-N002	03000159	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,25 *4.144*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-N002	03000160	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,6 *4.118*	12,1 *0.476*	11.00X9.00	3	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-N002	03000161	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	3	DIN376	6H	C

MTH-S001

Fori ciechi – Filettature metriche grosse

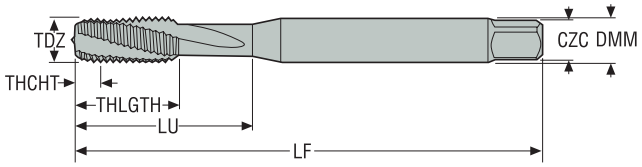


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M3X0.50ISO6HX-BC-S001	10001105	M3	0,5	–	3,5 *0.138*	8,0 *0.315*	8,0 *0.315*	54,75 *2.156*	2,5 *0.098*	3.50X2.70	3	DIN371	6HX	C
MTH-M4X0.70ISO6HX-BC-S001	10001106	M4	0,7	–	4,5 *0.177*	10,5 *0.413*	10,5 *0.413*	61,25 *2.411*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	C
MTH-M5X0.80ISO6HX-BC-S001	10001107	M5	0,8	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	68,0 *2.677*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	C
MTH-M6X1.00ISO6HX-BC-S001	10001108	M6	1,0	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	77,5 *3.051*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	C
MTH-M8X1.25ISO6HX-BC-S001	10001109	M8	1,25	–	8,0 *0.315*	20,5 *0.807*	20,5 *0.807*	86,87 *3.420*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.50ISO6HX-BC-S001	10001110	M10	1,5	–	10,0 *0.394*	25,5 *1.004*	25,5 *1.004*	96,25 *3.789*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	C

MTH-S002

Fori ciechi – Filettature metriche grosse

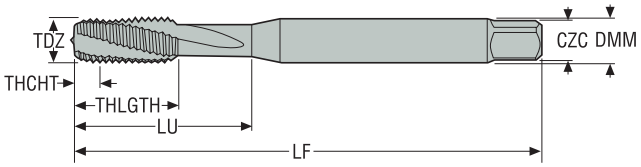


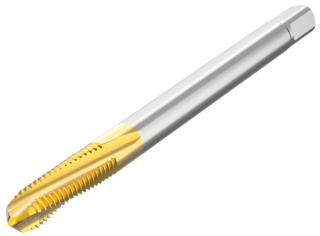
- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6HX-BC-S002	10001111	M12	1,75	–	12,0 *0.472*	30,5 *1.201*	30,5 *1.201*	105,09 *4.137*	10,4 *0.409*	12.00X9.00	4	DIN371	6HX	C
MTH-M16X2.00ISO6HX-BC-S002	10001112	M16	2,0	–	16,0 *0.630*	39,5 *1.555*	39,5 *1.555*	104,4 *4.110*	14,1 *0.555*	16.00X12.00	4	DIN371	6HX	C

MTH-S003

Fori ciechi – Filettature metriche grosse



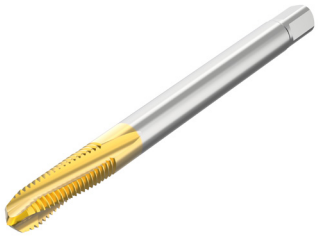


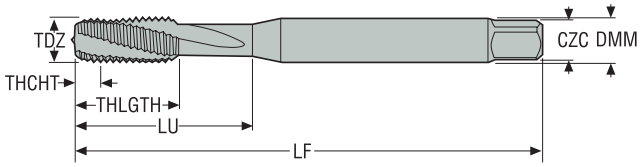
- Substrato: HSS-E-PM
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M3X0.50ISO6HX-BC-S003	10001073	M3	0,5	–	3,5 *0.138*	8,0 *0.315*	8,0 *0.315*	54,75 *2.156*	2,5 *0.098*	3.50X2.70	3	DIN371	6HX	C
MTH-M4X0.70ISO6HX-BC-S003	10001074	M4	0,7	–	4,5 *0.177*	10,5 *0.413*	10,5 *0.413*	61,25 *2.411*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	C
MTH-M5X0.80ISO6HX-BC-S003	10001075	M5	0,8	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	68,0 *2.677*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	C
MTH-M6X1.00ISO6HX-BC-S003	10001076	M6	1,0	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	77,5 *3.051*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	C
MTH-M8X1.25ISO6HX-BC-S003	10001077	M8	1,25	–	8,0 *0.315*	20,5 *0.807*	20,5 *0.807*	86,87 *3.420*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.50ISO6HX-BC-S003	10001078	M10	1,5	–	10,0 *0.394*	25,5 *1.004*	25,5 *1.004*	96,25 *3.789*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	C

MTH-S004

Fori ciechi – Filettature metriche grosse



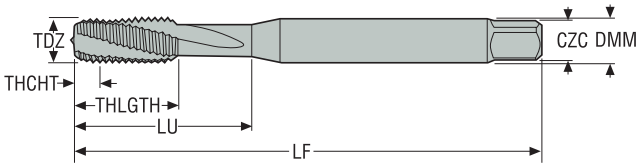


- Substrato: HSS-E-PM
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6HX-BC-S004	10001079	M12	1,75	–	12,0 *0.472*	30,5 *1.201*	30,5 *1.201*	105,09 *4.137*	10,4 *0.409*	12.00X9.00	4	DIN371	6HX	C
MTH-M16X2.00ISO6HX-BC-S004	10001080	M16	2,0	–	16,0 *0.630*	39,5 *1.555*	39,5 *1.555*	104,4 *4.110*	14,1 *0.555*	16.00X12.00	4	DIN371	6HX	C

MTH-S011

Fori ciechi – Filettature MF

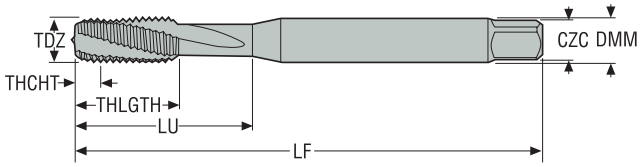


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M8X1.00ISO6HX-BC-S011	10001082	MF8X1.0	1,0	–	8,0 *0.315*	20,0 *0.787*	20,0 *0.787*	87,5 *3.445*	7,0 *0.276*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.00ISO6HX-BC-S011	10001083	MF10X1.0	1,0	–	10,0 *0.394*	24,0 *0.945*	24,0 *0.945*	87,5 *3.445*	9,0 *0.354*	10.00X8.00	3	DIN371	6HX	C
MTH-M10X1.25ISO6HX-BC-S011	10001084	MF10X1.25	1,25	–	10,0 *0.394*	24,5 *0.965*	24,5 *0.965*	96,87 *3.814*	8,75 *0.344*	10.00X8.00	3	DIN371	6HX	C
MTH-M12X1.25ISO6HX-BC-S011	10001085	MF12X1.25	1,25	–	12,0 *0.472*	28,5 *1.122*	28,5 *1.122*	96,49 *3.799*	10,75 *0.423*	12.00X9.00	4	DIN371	6HX	C
MTH-M12X1.50ISO6HX-BC-S011	10001086	MF12X1.5	1,5	–	12,0 *0.472*	29,5 *1.161*	29,5 *1.161*	95,8 *3.772*	10,5 *0.413*	12.00X9.00	4	DIN371	6HX	C

MTH-S012

Fori ciechi – MJ threads

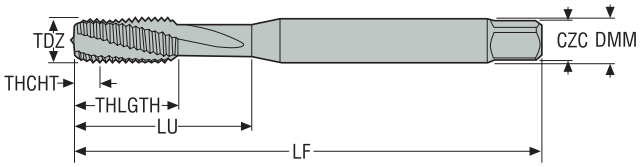


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-MJ3X0.50ISO4H-BC-S012	10001069	MJ3X0.5	0,5	–	3,5 *0.138*	8,0 *0.315*	8,0 *0.315*	54,75 *2.156*	2,6 *0.102*	3.50X2.70	3	DIN371	4H	C
MTH-MJ4X0.70ISO4H-BC-S012	10001070	MJ4X0.7	0,7	–	4,5 *0.177*	10,5 *0.413*	10,5 *0.413*	61,25 *2.411*	3,4 *0.134*	4.50X3.40	3	DIN371	4H	C
MTH-MJ5X0.80ISO4H-BC-S012	10001071	MJ5X0.8	0,8	–	6,0 *0.236*	13,0 *0.512*	13,0 *0.512*	68,0 *2.677*	4,3 *0.169*	6.00X4.90	3	DIN371	4H	C
MTH-MJ6X1.00ISO4H-BC-S012	10001072	MJ6X1	1,0	–	6,0 *0.236*	15,5 *0.610*	15,5 *0.610*	77,5 *3.051*	5,1 *0.201*	6.00X4.90	3	DIN371	4H	C

MTH-S031

Fori ciechi – Filettature UNC

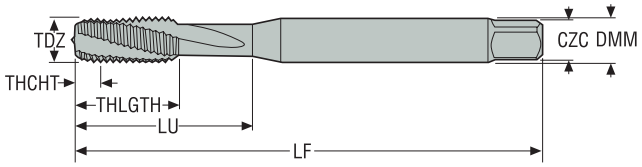


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-2-56UNC2B-BC-S031	10001113	UNC2-56	–	56.0	2,8 *0.110*	9,0 *0.354*	9,0 *0.354*	43,87 *1.727*	1,85 *0.073*	2.80X2.10	3	DIN2184-1	2B	C
MTH-3-48UNC2B-BC-S031	10001114	UNC3-48	–	48.0	2,8 *0.110*	9,0 *0.354*	9,0 *0.354*	48,68 *1.917*	2,1 *0.083*	2.80X2.10	3	DIN2184-1	2B	C
MTH-4-40UNC2B-BC-S031	10001115	UNC4-40	–	40.0	3,5 *0.138*	10,0 *0.394*	10,0 *0.394*	54,41 *2.142*	2,35 *0.093*	3.50X2.70	3	DIN2184-1	2B	C
MTH-6-32UNC2B-BC-S031	10001116	UNC6-32	–	32.0	4,0 *0.157*	12,0 *0.472*	12,0 *0.472*	54,02 *2.127*	2,85 *0.112*	4.00X3.00	3	DIN2184-1	2B	C
MTH-8-32UNC2B-BC-S031	10001117	UNC8-32	–	32.0	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	61,02 *2.402*	3,5 *0.138*	4.50X3.40	3	DIN2184-1	2B	C
MTH-10-24UNC2B-BC-S031	10001119	UNC10-24	–	24.0	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	67,35 *2.652*	3,9 *0.154*	6.00X4.90	3	DIN2184-1	2B	C
MTH-1/4-20UNC2B-BC-S031	10001120	UNC1/4-20	–	20.0	7,0 *0.276*	15,0 *0.591*	15,0 *0.591*	76,44 *3.009*	5,1 *0.201*	7.00X5.50	3	DIN2184-1	2B	C
MTH-5/16-18UNC2B-BC-S031	10001122	UNC5/16-18	–	18.0	8,0 *0.315*	18,0 *0.709*	18,0 *0.709*	86,05 *3.388*	6,6 *0.260*	8.00X6.20	3	DIN2184-1	2B	C
MTH-3/8-16UNC2B-BC-S031	10001121	UNC3/8-16	–	16.0	10,0 *0.394*	20,0 *0.787*	20,0 *0.787*	95,55 *3.762*	8,0 *0.315*	10.00X8.00	4	DIN2184-1	2B	C

MTH-S032

Fori ciechi – UNJC threads

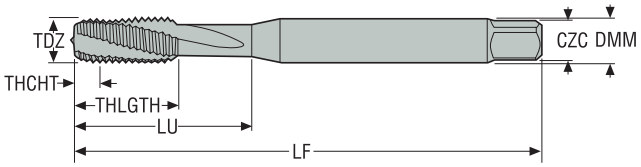


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 275

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-4-40UNJC3B-BC-S032	10001087	UNJC4-40	–	40.0	3,5 *0.138*	8,0 *0.315*	8,0 *0.315*	54,41 *2.142*	2,3 *0.091*	3.50X2.70	3	DIN2184-1	3B	C
MTH-6-32UNJC3B-BC-S032	10001088	UNJC6-32	–	32.0	4,0 *0.157*	10,0 *0.394*	10,0 *0.394*	54,02 *2.127*	2,8 *0.110*	4.00X3.00	3	DIN2184-1	3B	C
MTH-8-32UNJC3B-BC-S032	10001089	UNJC8-32	–	32.0	4,5 *0.177*	11,0 *0.433*	11,0 *0.433*	61,02 *2.402*	3,5 *0.138*	4.50X3.40	3	DIN2184-1	3B	C
MTH-10-24UNJC3B-BC-S032	10001090	UNJC10-24	–	24.0	6,0 *0.236*	13,5 *0.531*	13,5 *0.531*	67,35 *2.652*	3,9 *0.154*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-20UNJC3B-BC-S032	10001091	UNJC1/4-20	–	20.0	7,0 *0.276*	17,5 *0.689*	17,5 *0.689*	76,82 *3.024*	5,2 *0.205*	7.00X5.50	3	DIN2184-1	3B	C
MTH-5/16-18UNJC3B-BC-S032	10001093	UNJC5/16-18	–	18.0	8,0 *0.315*	21,0 *0.827*	21,0 *0.827*	86,47 *3.404*	6,7 *0.264*	8.00X6.20	3	DIN2184-1	3B	C
MTH-3/8-16UNJC3B-BC-S032	10001092	UNJC3/8-16	–	16.0	10,0 *0.394*	25,0 *0.984*	25,0 *0.984*	96,03 *3.781*	8,1 *0.319*	10.00X8.00	3	DIN2184-1	3B	C

MTH-S041

Fori ciechi – Filettature UNF

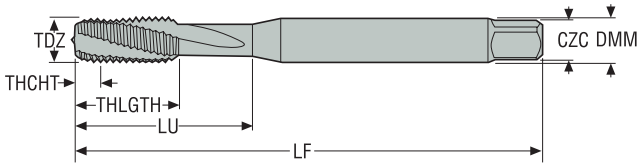


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-6-40UNF3B-BC-S041	10001123	UNF6-40	–	40.0	4,0 *0.157*	12,0 *0.472*	12,0 *0.472*	54,41 *2.142*	2,95 *0.116*	4.00X3.00	3	DIN2184-1	3B	C
MTH-8-36UNF3B-BC-S041	10001126	UNF8-36	–	36.0	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	61,24 *2.411*	3,5 *0.138*	4.50X3.40	3	DIN2184-1	3B	C
MTH-10-32UNF3B-BC-S041	10001127	UNF10-32	–	32.0	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	68,02 *2.678*	4,1 *0.161*	6.00X4.90	3	DIN2184-1	3B	C
MTH-12-28UNF3B-BC-S041	10001129	UNF12-28	–	28.0	6,0 *0.236*	15,0 *0.591*	15,0 *0.591*	77,46 *3.050*	4,6 *0.181*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-28UNF3B-BC-S041	10001130	UNF1/4-28	–	28.0	7,0 *0.276*	25,0 *0.984*	15,0 *0.591*	77,46 *3.050*	5,5 *0.217*	7.00X5.50	3	DIN2184-1	3B	C
MTH-5/16-24UNF3B-BC-S041	10001133	UNF5/16-24	–	24.0	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	87,03 *3.426*	6,9 *0.272*	8.00X6.20	3	DIN2184-1	3B	C
MTH-3/8-24UNF3B-BC-S041	10001131	UNF3/8-24	–	24.0	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	97,03 *3.820*	8,5 *0.335*	10.00X8.00	4	DIN2184-1	3B	C

MTH-S042

Fori ciechi – UNJF threads

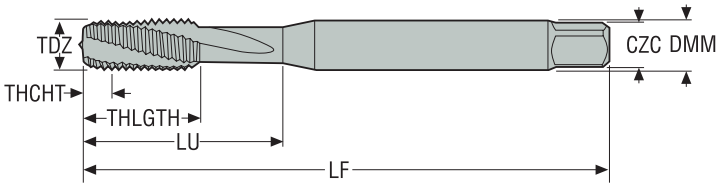


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-6-40UNJF3B-BC-S042	10001094	UNJF6-40	–	40.0	4,0 *0.157*	9,5 *0.374*	9,5 *0.374*	54,41 *2.142*	2,95 *0.116*	4.00X3.00	3	DIN2184-1	3B	C
MTH-8-36UNJF3B-BC-S042	10001095	UNJF8-36	–	36.0	4,5 *0.177*	11,0 *0.433*	11,0 *0.433*	61,24 *2.411*	3,6 *0.142*	4.50X3.40	3	DIN2184-1	3B	C
MTH-10-32UNJF3B-BC-S042	10001097	UNJF10-32	–	32.0	6,0 *0.236*	12,5 *0.492*	12,5 *0.492*	68,02 *2.678*	4,15 *0.163*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-28UNJF3B-BC-S042	10001098	UNJF1/4-28	–	28.0	7,0 *0.276*	16,0 *0.630*	16,0 *0.630*	77,73 *3.060*	5,6 *0.220*	7.00X5.50	3	DIN2184-1	3B	C
MTH-5/16-24UNJF3B-BC-S042	10001100	UNJF5/16-24	–	24.0	8,0 *0.315*	20,0 *0.787*	20,0 *0.787*	87,35 *3.439*	7,0 *0.276*	8.00X6.20	3	DIN2184-1	3B	C
MTH-3/8-24UNJF3B-BC-S042	10001099	UNJF3/8-24	–	24.0	10,0 *0.394*	23,0 *0.906*	23,0 *0.906*	97,35 *3.833*	8,6 *0.339*	10.00X8.00	3	DIN2184-1	3B	C

MTH-S043

Fori ciechi – Filettature EGUNF

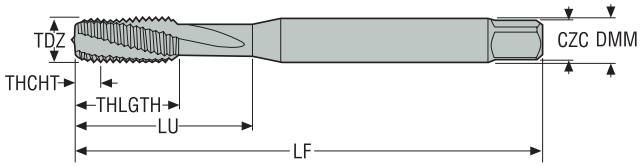


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*					
MTH-10-32EGUNF3B-BC-S043 *MTH-10-32STIUNF3B-BC-S043*	10001199	EGUN10-32	–	32.0	6,0 *0.236*	23 *0.906*	15,0 *0.591*	77,8 *3.062*	5,1 *0.201*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-28EGUNF3B-BC-S043 *MTH-1/4-28STIUNF3B-BC-S043*	10001200	EGUNF1/4-28	–	28.0	8,0 *0.315*	30 *1.161*	18,0 *0.709*	87,5 *3.443*	6,6 *0.260*	8.00X6.20	3	DIN2184-1	3B	C
MTH-5/16-24EGUNF3B-BC-S043 *MTH-5/16-24STIUNF3B-BC-S043*	10001201	EGUNF5/16-24	–	24.0	10,0 *0.394*	34 *1.319*	20,0 *0.787*	97,0 *3.820*	8,2 *0.323*	10.00X8.00	3	DIN2184-1	3B	C
MTH-3/8-24EGUNF3B-BC-S043 *MTH-3/8-24STIUNF3B-BC-S043*	10001202	EGUNF3/8-24	–	24.0	8,0 *0.315*	76 *2.992*	20,0 *0.787*	97,0 *3.820*	9,8 *0.386*	8.00X6.20	4	DIN2184-1	3B	C

MTH-S044

Fori ciechi – Filettature EGUNF

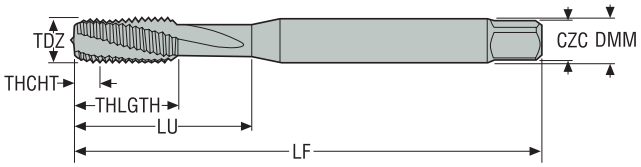


- Substrato: HSS-E-PM
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*					
MTH-10-32EGUNF3B-BC-S044 *MTH-10-32STIUNF3B-BC-S044*	10001101	EGUNF10-32	–	32.0	6,0 *0.236*	15 *0.591*	15,0 *0.591*	78,0 *3.072*	5,1 *0.201*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-28EGUNF3B-BC-S044 *MTH-1/4-28STIUNF3B-BC-S044*	10001102	EGUNF1/4-28	–	28.0	8,0 *0.315*	18 *0.709*	18,0 *0.709*	87,7 *3.454*	6,6 *0.260*	8.00X6.20	3	DIN2184-1	3B	C
MTH-3/8-24EGUNF3B-BC-S044 *MTH-3/8-24STIUNF3B-BC-S044*	10001103	EGUNF3/8-24	–	24.0	11,0 *0.433*	20 *0.787*	20,0 *0.787*	87,0 *3.426*	9,8 *0.386*	11.00X9.00	4	DIN2184-1	3B	C
MTH-5/16-24EGUNF3B-BC-S044 *MTH-5/16-24STIUNF3B-BC-S044*	10001104	EGUNF5/16-24	–	24.0	10,0 *0.394*	20 *0.787*	20,0 *0.787*	87,4 *3.439*	8,2 *0.323*	10.00X8.00	3	DIN2184-1	3B	C

MTH-S101

Fori ciechi – Filettature metriche grosse

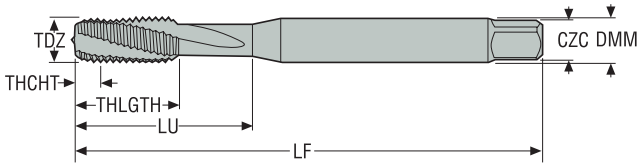


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M2X0.40ISO6HX-BC-S101	10001134	M2	0,4	–	2,8 *0.110*	8,0 *0.315*	8,0 *0.315*	44,0 *1.732*	1,6 *0.063*	2.80X2.10	3	DIN371	6HX	C
MTH-M2.5X0.45ISO6HX-BC-S101	10001135	M2.5	0,45	–	2,8 *0.110*	9,0 *0.354*	9,0 *0.354*	48,87 *1.924*	2,1 *0.083*	2.80X2.10	3	DIN371	6HX	C
MTH-M3X0.50ISO6HX-BC-S101	10001136	M3	0,5	–	3,5 *0.138*	10,0 *0.394*	10,0 *0.394*	54,75 *2.156*	2,5 *0.098*	3.50X2.70	3	DIN371	6HX	C
MTH-M3.5X0.60ISO6HX-BC-S101	10001137	M3.5	0,6	–	4,0 *0.157*	12,0 *0.472*	12,0 *0.472*	54,5 *2.146*	2,9 *0.114*	4.00X3.00	3	DIN371	6HX	C
MTH-M4X0.70ISO6HX-BC-S101	10001138	M4	0,7	–	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	61,25 *2.411*	3,4 *0.134*	4.50X3.40	3	DIN371	6HX	C
MTH-M5X0.80ISO6HX-BC-S101	10001139	M5	0,8	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	68,0 *2.677*	4,3 *0.169*	6.00X4.90	3	DIN371	6HX	C
MTH-M6X1.00ISO6HX-BC-S101	10001140	M6	1,0	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	77,2 *3.039*	5,1 *0.201*	6.00X4.90	3	DIN371	6HX	C
MTH-M8X1.25ISO6HX-BC-S101	10001141	M8	1,25	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	86,49 *3.405*	6,8 *0.268*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.50ISO6HX-BC-S101	10001142	M10	1,5	–	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	95,8 *3.772*	8,6 *0.339*	10.00X8.00	3	DIN371	6HX	C

MTH-S102

Fori ciechi – Filettature metriche grosse

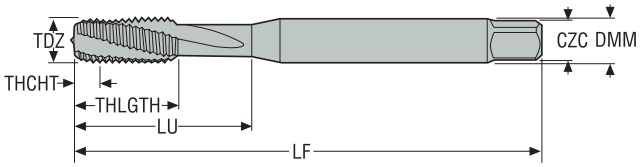


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6HX-BC-S102	10001143	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,09 *4.137*	10,4 *0.409*	9.00X7.00	4	DIN376	6HX	C
MTH-M16X2.00ISO6HX-BC-S102	10001145	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,4 *4.110*	14,1 *0.555*	12.00X9.00	4	DIN376	6HX	C
MTH-M20X2.50ISO6HX-BC-S102	10001146	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,0 *5.236*	17,7 *0.697*	16.00X12.00	4	DIN376	6HX	C

MTH-S111

Fori ciechi – Filettature MF

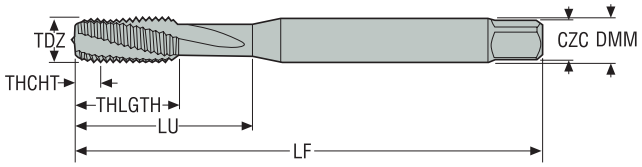


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M6X0.75ISO6HX-BC-S111	10001147	MF6X0.75	0,75	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	77,89 *3.067*	5,25 *0.207*	6.00X4.90	3	DIN371	6HX	C
MTH-M8X0.75ISO6HX-BC-S111	10001148	MF8X0.75	0,75	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	87,89 *3.460*	7,25 *0.285*	8.00X6.20	3	DIN371	6HX	C
MTH-M8X1.00ISO6HX-BC-S111	10001149	MF8X1.0	1,0	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	87,2 *3.433*	7,0 *0.276*	8.00X6.20	3	DIN371	6HX	C
MTH-M10X1.00ISO6HX-BC-S111	10001150	MF10X1.0	1,0	–	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	97,2 *3.827*	9,0 *0.354*	10.00X8.00	3	DIN371	6HX	C
MTH-M12X1.50ISO6HX-BC-S111	10001151	MF12X1.5	1,5	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	95,8 *3.772*	10,5 *0.413*	9.00X7.00	4	DIN374	6HX	C
MTH-M14X1.50ISO6HX-BC-S111	10001152	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	95,8 *3.772*	12,5 *0.492*	11.00X9.00	4	DIN374	6HX	C

MTH-S112

Fori ciechi – MJ threads

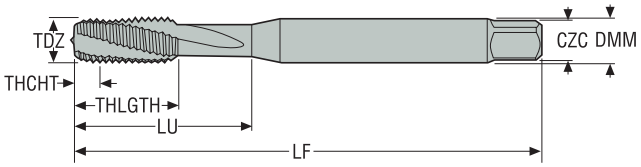


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-MJ3X0.50ISO4H-BC-S112	10001203	MJ3X0.5	0,5	–	3,5 *0.138*	10,0 *0.394*	10,0 *0.394*	54,75 *2.156*	2,6 *0.102*	3.50X2.70	3	DIN371	4H	C
MTH-MJ4X0.70ISO4H-BC-S112	10001204	MJ4X0.7	0,7	–	4,5 *0.177*	13,0 *0.512*	13,0 *0.512*	61,25 *2.411*	3,4 *0.134*	4.50X3.40	3	DIN371	4H	C
MTH-MJ5X0.80ISO4H-BC-S112	10001205	MJ5X0.8	0,8	–	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	68,0 *2.677*	4,3 *0.169*	6.00X4.90	3	DIN371	4H	C
MTH-MJ6X1.00ISO4H-BC-S112	10001206	MJ6X1	1,0	–	6,0 *0.236*	23,0 *0.906*	15,0 *0.591*	77,2 *3.039*	5,1 *0.201*	6.00X4.90	3	DIN371	4H	C
MTH-MJ8X1.25ISO4H-BC-S112	10001207	MJ8X1.25	1,25	–	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	86,49 *3.405*	6,9 *0.272*	8.00X6.20	3	DIN371	4H	C
MTH-MJ10X1.5ISO4H-BC-S112	10001208	MJ10X1.5	1,5	–	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	95,8 *3.772*	8,7 *0.343*	10.00X8.00	3	DIN371	4H	C

MTH-S142

Fori ciechi – UNJF threads

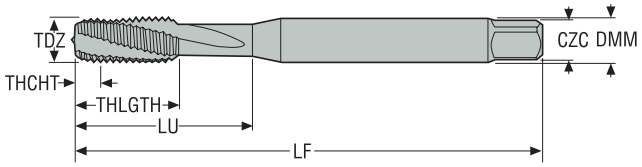


- Substrato: HSS-E-PM
- Rivestimento: AlCrN
- Per i parametri di taglio, vedere le pagine 277

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-10-32UNJF3B-BC-S142	10001153	UNJF10-32	–	32.0	6,0 *0.236*	16,0 *0.630*	16,0 *0.630*	68,02 *2.678*	4,15 *0.163*	6.00X4.90	3	DIN2184-1	3B	C
MTH-1/4-28UNJF3B-BC-S142	10001154	UNJF1/4-28	–	28.0	7,0 *0.276*	25,0 *0.984*	15,0 *0.591*	77,73 *3.060*	5,6 *0.220*	7.00X5.50	3	DIN2184-1	3B	C
MTH-5/16-24UNJF3B-BC-S142	10001155	UNJF5/16-24	–	24.0	8,0 *0.315*	29,5 *1.161*	18,0 *0.709*	87,03 *3.426*	7,0 *0.276*	8.00X6.20	3	DIN2184-1	3B	C
MTH-3/8-24UNJF3B-BC-S142	10001156	UNJF3/8-24	–	24.0	10,0 *0.394*	33,5 *1.319*	20,0 *0.787*	97,03 *3.820*	8,6 *0.339*	10.00X8.00	3	DIN2184-1	3B	C

MTH-V015

Fori ciechi – Filettature metriche grosse

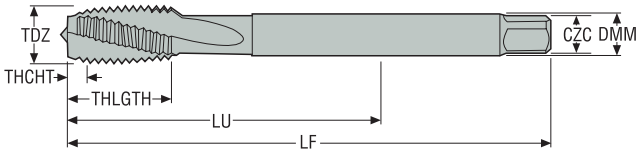


- Substrato: HSS-E
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 283

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M3X0.50ISO6H-BC-V015	03019188	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	9,0 *0.354*	54,625 *2.151*	2,5 *0.098*	3.50X2.70	3	DIN371	6H	C
MTH-M4X0.70ISO6H-BC-V015	03019189	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	11,0 *0.433*	61,075 *2.405*	3,4 *0.134*	4.50X3.40	3	DIN371	6H	C
MTH-M5X0.80ISO6H-BC-V015	03019190	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	13,0 *0.512*	67,8 *2.669*	4,3 *0.169*	6.00X4.90	3	DIN371	6H	C
MTH-M6X1.00ISO6H-BC-V015	03019191	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	15,0 *0.591*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	3	DIN371	6H	C
MTH-M8X1.25ISO6H-BC-V015	03019193	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	18,0 *0.709*	86,5625 *3.408*	6,8 *0.268*	8.00X6.20	3	DIN371	6H	C
MTH-M10X1.50ISO6H-BC-V015	03019194	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,875 *3.775*	8,6 *0.339*	10.00X8.00	3	DIN371	6H	C

MTH-V016

Fori ciechi – Filettature metriche grosse

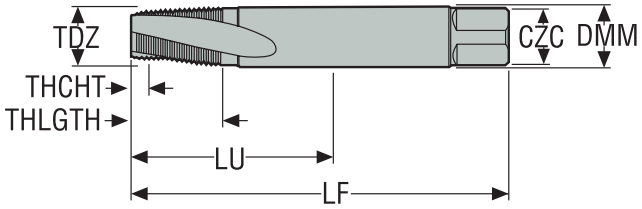


- Substrato: HSS-E
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 283

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-M12X1.75ISO6H-BC-V016	03019195	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,1875 *4.141*	10,4 *0.409*	9.00X7.00	3	DIN376	6H	C
MTH-M14X2.00ISO6H-BC-V016	03019196	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,5 *4.114*	12,1 *0.476*	11.00X9.00	3	DIN376	6H	C
MTH-M16X2.00ISO6H-BC-V016	03019197	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,5 *4.114*	14,1 *0.555*	12.00X9.00	3	DIN376	6H	C
MTH-M18X2.50ISO6H-BC-V016	03019198	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	118,125 *4.651*	15,7 *0.618*	14.00X11.00	3	DIN376	6H	C
MTH-M20X2.50ISO6H-BC-V016	03019199	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,125 *5.241*	17,7 *0.697*	16.00X12.00	3	DIN376	6H	C
MTH-M22X2.50ISO6H-BC-V016	03019200	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	133,125 *5.241*	19,7 *0.776*	18.00X14.50	4	DIN376	6H	C
MTH-M24X3.00ISO6H-BC-V016	03019201	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	151,75 *5.974*	21,0 *0.827*	18.00X14.50	4	DIN376	6H	C
MTH-M27X3.00ISO6H-BC-V016	03019202	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	38,0 *1.496*	151,75 *5.974*	24,0 *0.945*	20.00X16.00	4	DIN376	6H	C
MTH-M30X3.50ISO6H-BC-V016	03019203	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	45,0 *1.772*	171,79 *6.763*	26,5 *1.043*	22.00X18.00	4	DIN376	6H	C
MTH-M33X3.50ISO6H-BC-V016	03019204	M33	3,5	–	25,0 *0.984*	113,0 *4.449*	50,0 *1.969*	171,79 *6.763*	29,5 *1.161*	25.00X20.00	4	DIN376	6H	C
MTH-M36X4.00ISO6H-BC-V016	03019205	M36	4,0	–	28,0 *1.102*	131,0 *5.157*	55,0 *2.165*	190,7 *7.508*	32,0 *1.260*	28.00X22.00	4	DIN376	6H	C

MTH-V048

Fori ciechi – NPT threads

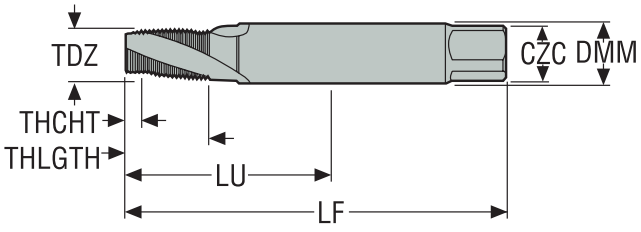


- Substrato: HSS-E
- Con trattamento di vaporizzazione
- Per i parametri di taglio, vedere le pagine 285

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-1/16-27NPT-XC-V048	02880750	NPT1/16-27	–	27.0	7,95 *0.313*	56,0 *2.205*	14,0 *0.551*	80,0 *3.150*	6,15 *0.242*	7.95X5.94	3	DIN/ANSI	NORMAL	C
MTH-1/8-27NPT-XC-V048	02880751	NPT1/8-27	–	27.0	11,1 *0.437*	64,0 *2.520*	14,0 *0.551*	90,0 *3.543*	8,4 *0.331*	11.10X8.33	4	DIN/ANSI	NORMAL	C
MTH-1/4-18NPT-XC-V048	02880752	NPT1/4-18	–	18.0	14,27 *0.562*	59,0 *2.323*	20,0 *0.787*	100,0 *3.937*	11,1 *0.437*	14.27X10.69	4	DIN/ANSI	NORMAL	C
MTH-3/8-18NPT-XC-V048	02880753	NPT3/8-18	–	18.0	17,78 *0.700*	67,0 *2.638*	20,0 *0.787*	110,0 *4.331*	14,3 *0.563*	17.78X13.49	5	DIN/ANSI	NORMAL	C
MTH-1/2-14NPT-XC-V048	02880754	NPT1/2-14	–	14.0	17,45 *0.687*	79,0 *3.110*	26,0 *1.024*	125,0 *4.921*	17,9 *0.705*	17.45X13.08	5	DIN/ANSI	NORMAL	C
MTH-3/4-14NPT-XC-V048	02880755	NPT3/4-14	–	14.0	23,01 *0.906*	78,0 *3.071*	26,0 *1.024*	140,0 *5.512*	23,2 *0.913*	23.01X17.25	5	DIN/ANSI	NORMAL	C
MTH-1-11.5NPT-XC-V048	02880756	NPT1-11.5	–	11.5	28,58 *1.125*	58,0 *2.283*	31,0 *1.220*	150,0 *5.906*	29,0 *1.142*	28.58X21.41	5	DIN/ANSI	NORMAL	C

MTH-V050

Fori ciechi – NPTF threads

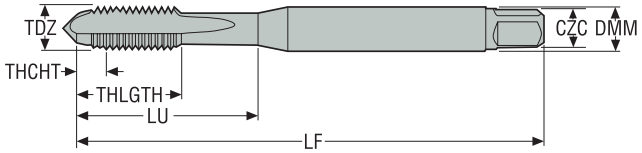


- Substrato: HSS-E
- Con trattamento di vaporizzazione
- Per i parametri di taglio, vedere le pagine 285

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTH-1/16-27NPTF-XC-V050	02880757	NPTF1/16-27	–	27.0	7,95 *0.313*	56,0 *2.205*	14,0 *0.551*	80,0 *3.150*	6,1 *0.240*	7.95X5.94	3	DIN/ANSI	NORMAL	C
MTH-1/8-27NPTF-XC-V050	02880758	NPTF1/8-27	–	27.0	11,1 *0.437*	64,0 *2.520*	14,0 *0.551*	90,0 *3.543*	8,4 *0.331*	11.10X8.33	4	DIN/ANSI	NORMAL	C
MTH-1/4-18NPTF-XC-V050	02880759	NPTF1/4-18	–	18.0	14,27 *0.562*	59,0 *2.323*	20,0 *0.787*	100,0 *3.937*	11,0 *0.433*	14.27X10.69	4	DIN/ANSI	NORMAL	C
MTH-3/8-18NPTF-XC-V050	02880760	NPTF3/8-18	–	18.0	17,78 *0.700*	67,0 *2.638*	20,0 *0.787*	110,0 *4.331*	14,3 *0.563*	17.78X13.49	5	DIN/ANSI	NORMAL	C
MTH-1/2-14NPTF-XC-V050	02880761	NPTF1/2-14	–	14.0	17,45 *0.687*	79,0 *3.110*	26,0 *1.024*	125,0 *4.921*	17,6 *0.693*	17.45X13.08	5	DIN/ANSI	NORMAL	C
MTH-3/4-14NPTF-XC-V050	02880762	NPTF3/4-14	–	14.0	23,01 *0.906*	78,0 *3.071*	26,0 *1.024*	140,0 *5.512*	23,0 *0.906*	23X17.25	5	DIN/ANSI	NORMAL	C

MTS-K101

Fori ciechi e fori passanti – Filettature metriche grosse

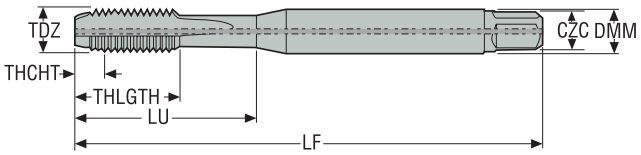


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M3X0.50ISO6HX-XC-K101	03305497	M3	0,5	–	3,5 *0.138*	18,0 *0.709*	9,0 *0.354*	54,63 *2.151*	2,5 *0.098*	3.50X2.70	4	DIN371	6HX	C
MTS-M4X0.70ISO6HX-XC-K101	03305498	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	12,0 *0.472*	61,08 *2.405*	3,4 *0.134*	4.50X3.40	4	DIN371	6HX	C
MTS-M5X0.80ISO6HX-XC-K101	03305499	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	13,0 *0.512*	67,80 *2.669*	4,3 *0.169*	6.00X4.90	5	DIN371	6HX	C
MTS-M6X1.00ISO6HX-XC-K101	03305500	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	15,0 *0.591*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	5	DIN371	6HX	C
MTS-M8X1.25ISO6HX-XC-K101	03305501	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	18,0 *0.709*	86,56 *3.408*	6,8 *0.268*	8.00X6.20	5	DIN371	6HX	C
MTS-M10X1.50ISO6HX-XC-K101	03305502	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,88 *3.775*	8,6 *0.339*	10.00X8.00	5	DIN371	6HX	C

MTS-K101-A

Fori ciechi e fori passanti – Filettature metriche grosse

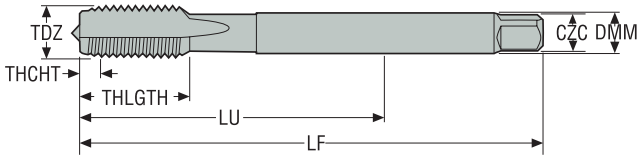


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M4X0.70ISO6HX-XC-K101-A	03305448	M4	0,7	–	4,5 *0.177*	21,0 *0.827*	12,0 *0.472*	61,07 *2.404*	3,4 *0.134*	4.50X3.40	4	DIN371	6HX	C
MTS-M5X0.80ISO6HX-XC-K101-A	03305450	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	13,0 *0.512*	67,80 *2.669*	4,3 *0.169*	6.00X4.90	5	DIN371	6HX	C
MTS-M5X0.80ISO6HX-XE-K101-A	03305460	M5	0,8	–	6,0 *0.236*	25,0 *0.984*	13,0 *0.512*	67,80 *2.669*	4,3 *0.169*	6.00X4.90	5	DIN371	6HX	E
MTS-M6X1.00ISO6HX-XC-K101-A	03305451	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	15,0 *0.591*	77,25 *3.041*	5,1 *0.201*	6.00X4.90	5	DIN371	6HX	C
MTS-M6X1.00ISO6HX-XE-K101-A	03305461	M6	1,0	–	6,0 *0.236*	30,0 *1.181*	15,0 *0.591*	78,25 *3.081*	5,1 *0.201*	6.00X4.90	5	DIN371	6HX	E
MTS-M8X1.25ISO6HX-XC-K101-A	03305452	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	18,0 *0.709*	86,56 *3.408*	6,8 *0.268*	8.00X6.20	5	DIN371	6HX	C
MTS-M8X1.25ISO6HX-XE-K101-A	03305462	M8	1,25	–	8,0 *0.315*	35,0 *1.378*	18,0 *0.709*	87,81 *3.457*	6,8 *0.268*	8.00X6.20	5	DIN371	6HX	E
MTS-M10X1.50ISO6HX-XC-K101-A	03305453	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	95,88 *3.775*	8,6 *0.339*	10.00X8.00	5	DIN371	6HX	C
MTS-M10X1.50ISO6HX-XE-K101-A	03305463	M10	1,5	–	10,0 *0.394*	39,0 *1.535*	20,0 *0.787*	97,38 *3.834*	8,6 *0.339*	10.00X8.00	5	DIN371	6HX	E

MTS-K002

Fori ciechi e fori passanti – Filettature metriche grosse

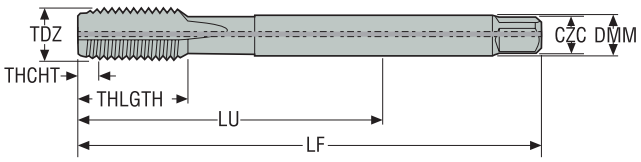


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M27X3.00ISO6HX-XC-K002	02999880	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	38,0 *1.496*	151,6 *5.969*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	C
MTS-M30X3.50ISO6HX-XC-K002	02999881	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	45,0 *1.772*	170,2 *6.701*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	C
MTS-M33X3.50ISO6HX-XC-K002	02999882	M33	3,5	–	25,0 *0.984*	113,0 *4.449*	50,0 *1.969*	170,2 *6.701*	29,5 *1.161*	25.00X20.00	4	DIN376	6HX	C
MTS-M36X4.00ISO6HX-XC-K002	02999883	M36	4,0	–	28,0 *1.102*	131,0 *5.157*	55,0 *2.165*	188,8 *7.433*	32,0 *1.260*	28.00X22.00	4	DIN376	6HX	C
MTS-M39X4.00ISO6HX-XC-K002	02999884	M39	4,0	–	32,0 *1.260*	102,0 *4.016*	60,0 *2.362*	188,8 *7.433*	35,0 *1.378*	32.00X24.00	4	DIN376	6HX	C
MTS-M42X4.50ISO6HX-XC-K002	02999885	M42	4,5	–	32,0 *1.260*	102,0 *4.016*	60,0 *2.362*	187,4 *7.378*	37,5 *1.476*	32.00X24.00	4	DIN376	6HX	C

MTS-K002-A

Fori ciechi e fori passanti – Filettature metriche grosse

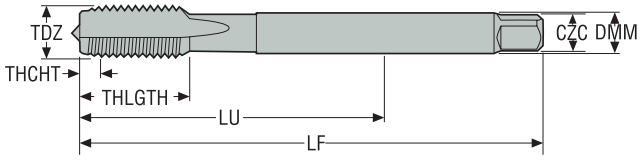


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M27X3.00ISO6HX-XC-K002-A	02999838	M27	3,0	–	20,0 *0.787*	97,0 *3.819*	38,0 *1.496*	152,5 *6.004*	24,0 *0.945*	20.00X16.00	4	DIN376	6HX	C
MTS-M30X3.50ISO6HX-XC-K002-A	02999839	M30	3,5	–	22,0 *0.866*	115,0 *4.528*	45,0 *1.772*	171,25 *6.742*	26,5 *1.043*	22.00X18.00	4	DIN376	6HX	C
MTS-M33X3.50ISO6HX-XC-K002-A	02999840	M33	3,5	–	25,0 *0.984*	113,0 *4.449*	50,0 *1.969*	170,2 *6.701*	29,5 *1.161*	25.00X20.00	4	DIN376	6HX	C
MTS-M36X4.00ISO6HX-XC-K002-A	02999841	M36	4,0	–	28,0 *1.102*	131,0 *5.157*	55,0 *2.165*	188,8 *7.433*	32,0 *1.260*	28.00X22.00	4	DIN376	6HX	C
MTS-M39X4.00ISO6HX-XC-K002-A	02999842	M39	4,0	–	32,0 *1.260*	102,0 *4.016*	60,0 *2.362*	188,8 *7.433*	35,0 *1.378*	32.00X24.00	4	DIN376	6HX	C
MTS-M42X4.50ISO6HX-XC-K002-A	02999843	M42	4,5	–	32,0 *1.260*	102,0 *4.016*	60,0 *2.362*	187,4 *7.378*	37,5 *1.476*	32.00X24.00	4	DIN376	6HX	C

MTS-K102

Fori ciechi e fori passanti – Filettature metriche grosse

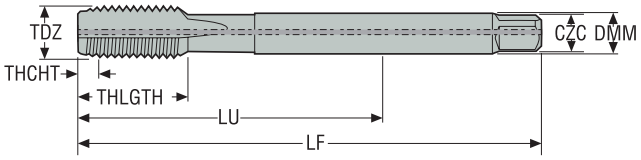


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M8X1.25ISO6HX-XC-K102	03305503	M8	1,25	–	6,0 *0.236*	67,0 *2.638*	20,0 *0.787*	86,56 *3.408*	6,8 *0.268*	6.00X4.90	5	DIN376	6HX	C
MTS-M10X1.50ISO6HX-XC-K102	03305504	M10	1,5	–	7,0 *0.276*	77,0 *3.031*	23,5 *0.925*	95,88 *3.775*	8,6 *0.339*	7.00X5.50	5	DIN376	6HX	C
MTS-M12X1.75ISO6HX-XC-K102	03305505	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,19 *4.141*	10,4 *0.409*	9.00X7.00	5	DIN376	6HX	C
MTS-M14X2.00ISO6HX-XC-K102	03305506	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,50 *4.114*	12,1 *0.476*	11.00X9.00	5	DIN376	6HX	C
MTS-M16X2.00ISO6HX-XC-K102	03305507	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,50 *4.114*	14,1 *0.555*	12.00X9.00	5	DIN376	6HX	C
MTS-M18X2.50ISO6HX-XC-K102	03305508	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	118,13 *4.651*	15,7 *0.618*	14.00X11.00	5	DIN376	6HX	C
MTS-M20X2.50ISO6HX-XC-K102	03305509	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,13 *5.241*	17,7 *0.697*	16.00X12.00	5	DIN376	6HX	C
MTS-M22X2.50ISO6HX-XC-K102	03305510	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	133,13 *5.241*	19,7 *0.776*	18.00X14.50	5	DIN376	6HX	C
MTS-M24X3.00ISO6HX-XC-K102	03305511	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	151,75 *5.974*	21,0 *0.827*	18.00X14.50	5	DIN376	6HX	C

MTS-K102-A

Fori ciechi e fori passanti – Filettature metriche grosse

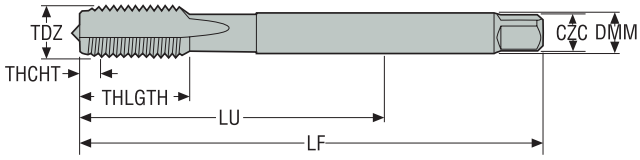


- Adduzione refrigerante interna
- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M12X1.75ISO6HX-XC-K102-A	03305454	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	105,19 *4.141*	10,4 *0.409*	9.00X7.00	5	DIN376	6HX	C
MTS-M12X1.75ISO6HX-XE-K102-A	03305464	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	106,94 *4.210*	10,4 *0.409*	9.00X7.00	5	DIN376	6HX	E
MTS-M14X2.00ISO6HX-XC-K102-A	03305455	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	104,50 *4.114*	12,1 *0.476*	11.00X9.00	5	DIN376	6HX	C
MTS-M16X2.00ISO6HX-XC-K102-A	03305456	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,50 *4.114*	14,1 *0.555*	12.00X9.00	5	DIN376	6HX	C
MTS-M16X2.00ISO6HX-XE-K102-A	03305465	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	106,50 *4.193*	14,1 *0.555*	12.00X9.00	5	DIN376	6HX	E
MTS-M20X2.50ISO6HX-XC-K102-A	03305457	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	133,13 *5.241*	17,7 *0.697*	16.00X12.00	5	DIN376	6HX	C
MTS-M22X2.50ISO6HX-XC-K102-A	03305458	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	133,13 *5.241*	19,7 *0.776*	18.00X14.50	5	DIN376	6HX	C
MTS-M24X3.00ISO6HX-XC-K102-A	03305459	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	151,75 *5.974*	21,0 *0.827*	18.00X14.50	5	DIN376	6HX	C

MTS-K111

Fori ciechi e fori passanti – Filettature MF

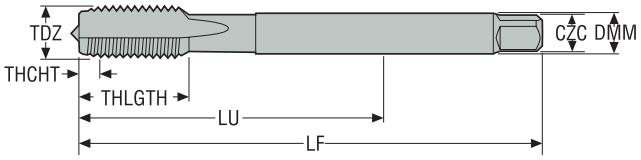


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-M10X1.00ISO6HX-XC-K111	03305466	MF10X1.0	1,0	–	7,0 *0.276*	67,0 *2.638*	18,0 *0.709*	87,25 *3.435*	9,0 *0.354*	7.00X5.50	5	DIN374	6HX	C
MTS-M10X1.25ISO6HX-XC-K111	03305467	MF10X1.25	1,25	–	7,0 *0.276*	77,0 *3.031*	20,0 *0.787*	96,56 *3.802*	8,8 *0.346*	7.00X5.50	5	DIN374	6HX	C
MTS-M12X1.25ISO6HX-XC-K111	03305468	MF12X1.25	1,25	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	96,56 *3.802*	10,75 *0.423*	9.00X7.00	5	DIN374	6HX	C
MTS-M12X1.50ISO6HX-XC-K111	03305469	MF12X1.5	1,5	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	95,88 *3.775*	10,5 *0.413*	9.00X7.00	5	DIN374	6HX	C
MTS-M14X1.50ISO6HX-XC-K111	03305470	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	95,88 *3.775*	12,5 *0.492*	11.00X9.00	5	DIN374	6HX	C
MTS-M16X1.50ISO6HX-XC-K111	03305471	MF16X1.5	1,5	–	12,0 *0.472*	58,0 *2.283*	21,0 *0.827*	95,88 *3.775*	14,5 *0.571*	12.00X9.00	5	DIN374	6HX	C
MTS-M18X1.50ISO6HX-XC-K111	03305472	MF18X1.5	1,5	–	14,0 *0.551*	66,0 *2.598*	24,0 *0.945*	105,88 *4.168*	16,5 *0.650*	14.00X11.00	5	DIN374	6HX	C
MTS-M20X1.50ISO6HX-XC-K111	03305473	MF20X1.5	1,5	–	16,0 *0.630*	80,0 *3.150*	24,0 *0.945*	120,88 *4.759*	18,5 *0.728*	16.00X12.00	5	DIN374	6HX	C

MTS-K121

Fori ciechi e fori passanti – Filettature G

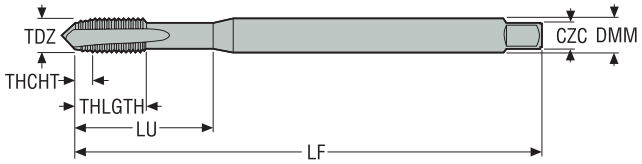


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-1/8-28G-XC-K121	03305474	G1/8-28	–	28,0	7,0 *0.276*	67,0 *2.638*	13,0 *0.512*	87,51 *3.445*	8,8 *0.346*	7.00X5.50	4	DIN5156	NORMAL-X	C
MTS-1/4-19G-XC-K121	03305475	G1/4-19	–	19,0	11,0 *0.433*	71,0 *2.795*	15,0 *0.591*	96,32 *3.792*	11,8 *0.465*	11.00X9.00	4	DIN5156	NORMAL-X	C
MTS-3/8-19G-XC-K121	03305476	G3/8-19	–	19,0	12,0 *0.472*	58,0 *2.283*	21,0 *0.827*	96,32 *3.792*	15,25 *0.600*	12.00X9.00	5	DIN5156	NORMAL-X	C
MTS-1/2-14G-XC-K121	03305477	G1/2-14	–	14,0	16,0 *0.630*	80,0 *3.150*	21,0 *0.827*	120,01 *4.725*	19,0 *0.748*	16.00X12.00	5	DIN5156	NORMAL-X	C
MTS-3/4-14G-XC-K121	03305478	G3/4-14	–	14,0	20,0 *0.787*	77,0 *3.031*	21,0 *0.827*	135,01 *5.315*	24,5 *0.965*	20.00X16.00	6	DIN5156	NORMAL-X	C
MTS-1-11G-XC-K121	03305479	G1-11	–	11,0	25,0 *0.984*	93,0 *3.661*	27,0 *1.063*	153,65 *6.049*	30,75 *1.211*	25.00X20.00	6	DIN5156	NORMAL-X	C

MTS-K131

Fori ciechi e fori passanti – Filettature UNC

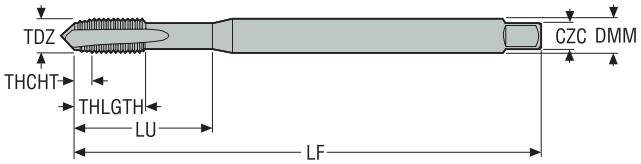


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-1/4-20UNC-XC-K131	03305480	UNC1/4-20	–	20.0	7,0 *0.276*	25,0 *0.984*	15,6 *0.614*	76,50 *3.012*	5,1 *0.201*	8.25X5.5	5	DIN2184-1	2BX	C
MTS-5/16-18UNC-XC-K131	03305481	UNC5/16-18	–	18.0	8,0 *0.315*	33,5 *1.319*	18,7 *0.736*	86,12 *3.391*	6,6 *0.260*	9.25X6.20	5	DIN2184-1	2BX	C
MTS-3/8-16UNC-XC-K131	03305482	UNC3/8-16	–	16.0	10,0 *0.394*	38,0 *1.496*	20,6 *0.811*	95,63 *3.765*	8,0 *0.315*	11.25X8.00	5	DIN2184-1	2BX	C
MTS-7/16-14UNC-XC-K131	03305483	UNC7/16-14	–	14.0	8,0 *0.315*	72,7 *2.862*	20,0 *0.787*	95,01 *3.741*	9,4 *0.370*	9.25X6.20	5	DIN2184-1	2BX	C
MTS-1/2-13UNC-XC-K131	03305484	UNC1/2-13	–	13.0	9,0 *0.354*	81,9 *3.224*	23,0 *0.906*	104,63 *4.119*	10,8 *0.425*	10.25X7.00	5	DIN2184-1	2BX	C
MTS-5/8-11UNC-XC-K131	03305485	UNC5/8-11	–	11.0	12,0 *0.472*	65,7 *2.587*	23,0 *0.906*	103,65 *4.081*	13,5 *0.531*	12.25X9.00	5	DIN2184-1	2BX	C
MTS-3/4-10UNC-XC-K131	03305486	UNC3/4-10	–	10.0	14,0 *0.551*	77,5 *3.051*	30,0 *1.181*	118,02 *4.646*	16,5 *0.650*	14.25X11.00	5	DIN2184-1	2BX	C
MTS-7/8-9UNC-XC-K131	03305487	UNC7/8-9	–	9.0	18,0 *0.709*	90,95 *3.581*	34,0 *1.339*	132,24 *5.206*	19,5 *0.768*	17.25X14.5	5	DIN2184-1	2BX	C

MTS-K141

Fori ciechi e fori passanti – Filettature UNF

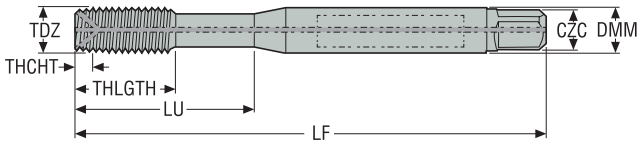


- Substrato: HSS-E-PM
- Rivestimento: TiAlN
- Per i parametri di taglio, vedere le pagine 281

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MTS-1/4-28UNF-XC-K141	03305488	UNF1/4-28	–	28.0	7,0 *0.276*	25,0 *0.984*	15,6 *0.614*	77,50 *3.051*	5,5 *0.217*	8.25X5.5	5	DIN2184-1	2BX	C
MTS-5/16-24UNF-XC-K141	03305489	UNF5/16-24	–	24.0	8,0 *0.315*	33,5 *1.319*	18,7 *0.736*	87,09 *3.429*	6,9 *0.272*	9.25X6.20	5	DIN2184-1	2BX	C
MTS-3/8-24UNF-XC-K141	03305491	UNF3/8-24	–	24.0	10,0 *0.394*	38,0 *1.496*	20,6 *0.811*	97,09 *3.822*	8,5 *0.335*	11.25X8.00	5	DIN2184-1	2BX	C
MTS-7/16-20UNF-XC-K141	03305492	UNF7/16-20	–	20.0	8,0 *0.315*	72,7 *2.862*	20,0 *0.787*	96,51 *3.800*	9,9 *0.390*	9.25X6.20	5	DIN2184-1	2BX	C
MTS-1/2-20UNF-XC-K141	03305493	UNF1/2-20	–	20.0	9,0 *0.354*	71,9 *2.831*	23,0 *0.906*	106,51 *4.193*	11,5 *0.453*	10.25X7.00	5	DIN2184-1	2BX	C
MTS-5/8-18UNF-XC-K141	03305494	UNF5/8-18	–	18.0	12,0 *0.472*	55,7 *2.193*	23,0 *0.906*	106,12 *4.178*	14,5 *0.571*	12.25X9.00	5	DIN2184-1	2BX	C
MTS-3/4-16UNF-XC-K141	03305495	UNF3/4-16	–	16.0	14,0 *0.551*	62,5 *2.461*	25,0 *0.984*	120,63 *4.749*	17,5 *0.689*	14.25X11.00	5	DIN2184-1	2BX	C
MTS-7/8-14UNF-XC-K141	03305496	UNF7/8-14	–	14.0	18,0 *0.709*	75,95 *2.990*	25,0 *0.984*	135,01 *5.315*	20,4 *0.803*	17.25X14.5	5	DIN2184-1	2BX	C

MF-V060-A

Fori rullati – Filettature metriche grosse

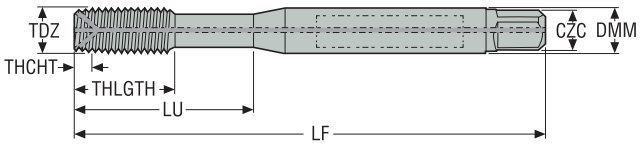


- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 287

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MF-M12X1.75ISO6HX-XC-V060-A	02880487	M12	1,75	–	9,0 *0.354*	83,0 *3.268*	23,0 *0.906*	104,75 *4.124*	11,2 *0.441*	9.00X7.00	5	DIN2174	6HX	C
MF-M14X2.00ISO6HX-XC-V060-A	03000329	M14	2,0	–	11,0 *0.433*	81,0 *3.189*	25,0 *0.984*	103,0 *4.055*	13,1 *0.516*	11.00X9.00	6	DIN2174	6HX	C
MF-M16X2.00ISO6HX-XC-V060-A	03000330	M16	2,0	–	12,0 *0.472*	68,0 *2.677*	25,0 *0.984*	104,0 *4.094*	15,1 *0.594*	12.00X9.00	6	DIN2174	6HX	C
MF-M18X2.50ISO6HX-XC-V060-A	03000331	M18	2,5	–	14,0 *0.551*	81,0 *3.189*	30,0 *1.181*	116,25 *4.577*	16,9 *0.665*	14.00X11.00	7	DIN2174	6HX	C
MF-M20X2.50ISO6HX-XC-V060-A	03000332	M20	2,5	–	16,0 *0.630*	95,0 *3.740*	30,0 *1.181*	132,5 *5.217*	18,9 *0.744*	16.00X12.00	7	DIN2174	6HX	C
MF-M22X2.50ISO6HX-XC-V060-A	03000333	M22	2,5	–	18,0 *0.709*	93,0 *3.661*	34,0 *1.339*	131,25 *5.167*	20,9 *0.823*	18.00X14.50	7	DIN2174	6HX	C
MF-M24X3.00ISO6HX-XC-V060-A	03000334	M24	3,0	–	18,0 *0.709*	113,0 *4.449*	38,0 *1.496*	149,5 *5.886*	22,65 *0.892*	18.00X14.50	8	DIN2174	6HX	C

MF-V063-A

Fori rullati – Filettature MF



- Adduzione refrigerante interna
- Substrato: HSS-E
- Rivestimento: TiN
- Per i parametri di taglio, vedere le pagine 287

Codice di ordinazione	Codice prodotto	TDZ	Passo		DMM	LU	THLGTH	LF	PHDR	CZC	NOF	BSG	TCTR	THCHT
			mm	TPI	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*	mm *Inch*					
MF-M12X1.25ISO6HX-XC-V063-A	03000351	MF12X1.25	1,25	–	9,0 *0.354*	73,0 *2.874*	21,0 *0.827*	95,62 *3.765*	11,45 *0.451*	9.00X7.00	5	DIN2174	6HX	C
MF-M14X1.50ISO6HX-XC-V063-A	03000355	MF14X1.5	1,5	–	11,0 *0.433*	71,0 *2.795*	21,0 *0.827*	95,5 *3.760*	13,35 *0.526*	11.00X9.00	6	DIN2174	6HX	C
MF-M16X1.50ISO6HX-XC-V063-A	03000357	MF16X1.5	1,5	–	12,0 *0.472*	58,0 *2.283*	21,0 *0.827*	95,5 *3.760*	15,35 *0.604*	12.00X9.00	6	DIN2174	6HX	C

Acciai, acciai inossidabili ferritici e martensitici

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
P1	Acciai automatici	360 < R_m < 880	11 SMn30 R_m = 385 N/mm^2	1500	0,14
P2	Acciai basso legati, C < 0,25% Acciai da costruzione saldabili basso legati	320 < R_m < 600	S235JRG2 R_m = 420 N/mm^2	1600	0,23
P3	Acciai ferritici e ferritico-perlitici, C < 0,25% Acciai da costruzione saldabili Acciai da cementazione	430 < R_m < 610	16 MnCr 5 R_m = 550 N/mm^2	1800	0,14
P4	Acciai da costruzione basso legati, 0,25% < C < 0,67% Acciai da bonifica basso legati	520 < R_m < 1200	C 45E R_m = 660 N/mm^2	2000	0,15
P5	Acciai da costruzione, 0,25% < C < 0,67% Acciai da bonifica	550 < R_m < 1200	42 CrMo 4 R_m = 700 N/mm^2	2020	0,18
P6	Acciai basso legati per tempra a cuore, C > 0,67% Acciai basso legati per molle e cuscinetti	520 < R_m < 1200	C 100S R_m = 600 N/mm^2	2100	0,17
P7	Acciai per tempra a cuore, C > 0,67% Acciai per molle e cuscinetti	600 < R_m < 1200	100 Cr 6 R_m = 650 N/mm^2	2160	0,17
P8	Acciai da utensili Acciai super-rapidi (HSS)	600 < R_m < 1200	X 40 CrMoV 5 1 R_m = 700 N/mm^2	2400	0,20
P11	Acciai inossidabili ferritici e martensitici	415 < R_m < 1200	X 20 Cr 13 R_m = 675 N/mm^2	2000	0,15
P12	Acciai inossidabili maraging e per indurimento per precipitazione	500 < R_m < 1200	X 5 CrNiCuNb 16 4 R_m = 1100 N/mm^2	2100	0,17

Acciai inossidabili automatici, austenitici e duplex

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
M1	Acciai inossidabili austenitici automatici		X 10 CrNiS 18 9	1700	0,14
M2	Acciai inossidabili austenitici con contenuto di elementi in lega basso		X 5 CrNi 18 10	1920	0,18
M3	Acciai inossidabili austenitici con contenuto di elementi in lega medio		X 2 CrNiMo 18 14 3	2070	0,17
M4	Acciai inossidabili austenitici con contenuto di elementi in lega alto ed acciai inossidabili duplex		X 2 CrNiMoN 22 5 3	2230	0,16
M5	Acciai inossidabili austenitici con contenuto di elementi in lega alto ed acciai inossidabili duplex, di difficile lavorabilità		X 2 CrNiMoN 25 7 4	2510	0,13

Ghise

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
K1	Ghise grigie		EN-GJL-250	930	0,32
K2	Ghise a grafite compatta		EN-GJV-400	1000	0,35
K3	Ghise malleabili		EN-GJMB-550-4	1050	0,37
K4	Ghise sferoidali (nodulari)		EN-GJS-500-7	1160	0,37
K5	Ghise austemperate		EN-GJS-1000-5		
K6	Ghise austenitiche lamellari		EN-GJLA-XNiCuCr15-6-2		
K7	Ghise austenitiche sferoidali (nodulari)		EN-GJSA-XNiMn23-4		

Materiali non ferrosi

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
N1	Leghe di alluminio, Si < 9%		AW-7075		
N2	Leghe di alluminio, 9% < Si < 16%		AC-44200 Si = 12%		
N3	Leghe di alluminio, Si >16%		AlSi17Cu5		
N11	Leghe di rame		CW614N	740	0,26

Superleghe e titanio

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
S1	Superleghe a base ferro		Discalloy		
S2	Superleghe a base cobalto		Stellite 21		
S3	Superleghe a base nichel		Inconel 718	2530	0,21
S11	Titanio, basso legato, (α)		Ti		
S12	Titanio, medio legato, (α+β)		TiAl6V4	1500	0,24
S13	Titanio, alto legato, (“quasi β” e β)		Ti10V2Fe3Al		

Materiali ad elevata durezza

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
H3	Acciai induriti superficialmente	58 < HRC < 62	16 MnCr 5 60 HRC	2070	0,14
H5	Acciai bonificati	38 < HRC < 56	42 CrMo 4 50 HRC	2320	0,18
H7	Acciai bonificati Acciai per cuscinetti	56 < HRC < 64	100 Cr 6 60 HRC	2480	0,17
H8	Acciai da utensili Acciai super-rapidi (HSS)	38 < HRC < 64	X 40 CrMoV 5 1 50 HRC	2750	0,20
H11	Acciai inossidabili martensitici	38 < HRC < 50	X 20 Cr 13 45 HRC	2300	0,15
H12	Acciai inossidabili maraged ed induriti per precipitazione	1200 < R_m < 1650	X 5 CrNiCuNb 16 4 R_m = 1450 N/mm^2	2410	0,17
H21	Acciai al manganese	23 < HRC < 64	X 120 Mn 12 50 HRC		
H31	Ghise bianche	50 < HRC < 64	EN-GJN-HV600(XCr11) 55 HRC		

Altri materiali di difficile lavorabilità

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
PM1	Materiali da metallurgia delle polveri con contenuto di elementi in lega basso		F-0008 Fe-0.7C		
PM2	Materiali da metallurgia delle polveri con contenuto di elementi in lega medio		FLC-4608 Fe2Cu1.8Ni 0.5Mo0.2Mn0.8C		
PM3	Materiali da metallurgia delle polveri con contenuto di elementi in lega alto Materiali per sedi valvole di scarico				
HF1	Leghe per riporti duri Riporto di leghe a base ferro mediante saldatura o plasma				
HF2	Leghe per riporti duri Riporto di leghe a base cobalto o nichel mediante saldatura o plasma				
CC1	Metallo duro		G50		

Plastiche e materiali compositi

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
TS1	Polimeri termoindurenti		Urea formaldeide (UF)		
TS2	Compositi di resina termoindurente rinforzata con fibra di carbonio		T300 T700 T800 HTA-S IMA - Resina epossidica (M21)...		
TS3	Compositi di resina termoindurente rinforzata con fibra di vetro		Resina epossidica - HX..(42..)/ vetro E (7781...)...		
TS4	Compositi di resina termoindurente rinforzata con fibra aramidica		Kevlar 49		
TP1	Polimeri termoplastici		Policarbonato (PC)		
TP2	Compositi di resina termoplastica rinforzata con fibra di carbonio		PPS/PEEK - T300..		
TP3	Compositi di resina termoplastica rinforzata con fibra di vetro		PPS/PEEK - vetro E o A...		
TP4	Compositi di resina termoplastica rinforzata con fibra aramidica				

Grafite

SMG	Descrizione	Proprietà	Riferimento	$k_{c1.1}$	m_c
GR1	Grafite		R 8500		

SMG

Gruppo materiale Seco	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS
	11 SMn 30	1.0715	1.0715	9 SMn 28	S 250	230 M 07	CF 9 SMn 28	SUM 22	1912	G12130
	11 SMnPb 30	1.0718	1.0718	9 SMnPb 28	S 250 Pb		CF 9 SMnPb 28	SUM 22 L	1914	G12134
	10 S 20	1.0721	1.0721	10 S 20	10 F 1	210 M 15	CF 10 S 20			
			1.0722	10 SPb 20	10 PbF 2		CF 10 SPb 20			
P1	15 SMn 13	1.0725	1.0723	15 S 20		210 A 15		SUM 32	1922	
	35 S20	1.0726	1.0726	35 S 20	35 MF 4	212 M 36			1957	G11400
	46 S20	1.0727	1.0727	46 S 20	45 MF 4	212 M 44			1973	G11460
	11 SMn 37	1.0736	1.0736	9 SMn 36	S 300	240 M 07	CF 9 SMn 36			G12150
	11 SMn 37	1.0736	1.0736	9 SMn 36	S 300	240 M 07	CF 9 SMn 36			G12150
	S235JR	1.0037	1.0037	St 37-2	E 24-2		Fe 360 B	STKM 12 C	1311	
	S235JRG2	1.0038	1.0116	St 37-3	E 24-3, E 24-4	4360-40 C	Fe 360 D FF		1312, 1313	
	S275J2G3	1.0144	1.0144	St 44-3 N	E 28-3, E 28-4	4360-43 C	Fe 430 D FF	SM 41 C	1412, 1414	
	C 10	1.0301	1.0301	C 10	34 C 10, XC 10	045 M 10	C 10	S 10 C		G10100
P2			1.0401	C 15	37 C 12, XC 18	080 M 15	C 15, C 16		1350	G10170
	C22	1.0402	1.0402	C 22	C 20	050 A 20	C 20, C 21		1450	G10200
	S355JR	1.0570	1.0570	St 52-3	E 36-3, E 36-4	4360-50 C	Fe 510 B	SM 50 YA	2172, 2132	
	C 15R	1.1141	1.1141	Ck 15	XC 15, XC 18	080 M 15	C 15, C 16	S 15 C, S 15 CK	1370	G10170
			1.1158	Ck 25	XC 25	060 A 25	C 25	S 25 C		G10250
			1.2162	21 MnCr 5	20 NC 5			SCR 420 H		
	16 Mo 3	1.5415	1.5415	15 Mo 3	15 D 3	1501-240	16 Mo 3		2912	
			1.5423	16 Mo 5		1503-245-420	16 Mo 5	SB 450 M		G45200
	14 NiCr 14	1.5752	1.5752	14 NiCr 14	12 NC 15	655 M 13		SNC 815 (H)		G33106
			1.5919	15 CrNi 6	16 NC 6	S 107	16 CrNi 4			
	18 NiCrMo 7 6	1.6587	1.6587	18 CrNiMo 7 6	18 NCD 6	820 A 16	18 NiCrMo 7			
P3	16 MnCr 5	1.7131	1.7131	16 MnCr 5	16 MC 5	527 M 17	16 MnCr 5	SCR 415	2511	G51170
	16 MnCrS 5	1.7139	1.7139	16 MnCrS 5						
	20 MnCr 5	1.7147	1.7147	20 MnCr 5	20 MC 5		20 MnCr 5	SMnC 420 (H)		G51200
	20 MnCrS 5	1.7149	1.7149	20 MnCrS 5	20 MnCrS 5			SMnC 21 H		
	13 CrMo 4 5	1.7335	1.7335	13 CrMo 4 4	15 CD 3.5	1501-620 Gr. 27	14 CrMo 4 5		2216	
			1.7337	16 CrMo 4 4	15 CD 4.5	1501-620 Gr. 27	14 CrMo 4 5		2216	
	10 CrMo 9 10	1.7380	1.7380	10 CrMo 9 10	10 CD 9.10	1501-622 Gr. 31	12 CrMo 9 10		2218	J21890
	C35		1.0501	C 35	55 C 35	060 A 35	C 35		1550	G10350
	E 335	1.0503	1.0503	C 45	65 C 45	80 M 46	C 45	S 45 C	1650	G10430
	C40		1.0511	C 40	60 C 40	080 M 40	C 40	S 40 C		
	E 360	1.0070	1.0535	St 70-2	A 70-2		Fe 690		1655	
	C60	1.0601	1.0601	C 60	CC 55	080 A 62	C 60			G10600
P4			1.1157	40 Mn 4	35 M 5	150 M 36				G10390
	G 28 Mn6	1.1165	1.1165	30 Mn 5		120 M 36		SMn 1 H, SCMn 2		G13300
	C 35E	1.1181	1.1181	Ck 35	XC 38 H1	080 M 36	C 35	S 35 C	1572	G10340
	C 45E	1.1191	1.1191	Ck 45	XC 42	080 M 46	C 45	S 45 C	1672	G10420
	C 60E	1.1221	1.1221	Ck 60	XC 60	080 A 62	C 60	S 58 C	1665, 1678	G10640
			1.1740	C 60 W	Y3 55			SK 7		
	55 SiCr7	1.7100	1.0904	55 Si 7	55 S 7	250 A 53	55 Si 8		2085, 2090	
			1.2330	35 CrMo 4	34 CD 4	708 A 37	35 CrMo 4		2234	T51620
			1.2542	45 WCrV 7		BS 1	45 WCrV 8 KU		2710	T41901
		1.2714	1.2714	56 NiCrMoV 7		BH 224-5	56 NiCrMoV7-KU	SKT 4		T61206
			1.5121	46 MnSi 4						
			1.5710	36 NiCr 6	35 NC 6	640 A 35		SNC 236		
			1.5736	36 NiCr 10	35 NC 11		35 NiCr 9	SNC 631 (H)		
	36 CrNiMo 4		1.6511	36 CrNiMo 4	40 NCD 3	816 M 40	38 NiCrMo 4 (KB)			G98400
P5	34 CrNiMo 6	1.6582	1.6582	34 CrNiMo 6	35 NCD 6	817 M 40	35 NiCrMo 6 (KW)	SNCM 447	2541	G43400
	34 Cr 4	1.7033	1.7033	34 Cr 4	32 C 4	530 A 32	34 Cr 4 (KB)	SCR 430 (H)		G51320
	41 Cr 4	1.7035	1.7035	41 Cr 4	42 C 4	530 M 40	41 Cr 4	SCR 440 (H)		G51400
	25 CrMo 4	1.7218	1.7218	25 CrMo 4	25 CD 4 S	708 M 25	25 CrMo 4 (KB)	SCM 425	2225	G41300
	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244	G41400
	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244	G41400
			1.7361	32 CrMo 12	30 CD 12	722 M 24	32 CrMo 12		2240	
	50 CrV 4	1.8159	1.8159	50 CrV 4	50 CV 4	735 A 50	51 CrV 4	SUP 10	2230	H61500
	41 CrAlMo 7 10	1.8509	1.8509	41 CrAlMo 7	40 CAD 6.12	905 M 39	41 CrAlMo 7	SACM 645	2940	K24065
	C 67S	1.1231	1.1231	Ck 67	XC 68	060 A 67	C 70		1770	G10700
	C 100S	1.1274	1.1274	Ck 101		060 A 96		SUP 4	1870	G10950
P6	C 105U	1.1545	1.1545	C 105 W1	Y1 105		C 100 KU		1880	
			1.1645	C 105 W2	Y1 105		C 100 KU	SK 3		
			1.1663	C 125 W	Y2 120		C 120 KU	SK 2		

SMG

U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Marchi misti	Condizione	Struttura
	1213				Ricotto	
	12 L 13				Ricotto	
	1108				Ricotto	
	11 L 08				Ricotto	
					Ricotto	
	1140	40			Ricotto	
	1146				Ricotto	
	1215				Ricotto	
	12 L 14				Ricotto	
		16D			Ricotto	
	A573 Grade 58	18kp	11 378		Ricotto	
	A573 Grade 70	St14kP	11 448		Ricotto	
	1010	10			Ricotto	
F.1110	1015	15			Ricotto	
	1020, 1023	20	12 024		Ricotto	
		17G1S	11 523		Ricotto	
F.1511	1015	15			Ricotto	
F.1120	1025	25			Ricotto	
					Ricotto	
	A204 Grade A		15 020		Ricotto	
	4520				Ricotto	
	3310, 9314	20X2H4A	16 420		Ricotto	
	4320		16 220		Ricotto	
					Ricotto	
F.1516	5115	12KHN2	14 220		Ricotto	
		18HG			Ricotto	
	5120	20KH	14 221		Ricotto	
	5120 H	20KH			Ricotto	
	A182-F11, A182-F12	12KHM	15 121		Ricotto	
	A387 Grade 12 Cl. 2				Ricotto	
F.155	A182-F22	12KH8	15 313		Ricotto	
F.1130	1035	35	12 040		Ricotto	
F.5110	1045	45	12 050		Ricotto	
	1040	40	12 041		Ricotto	
F.1150	1055	55			Ricotto	
	1060	60	12 061		Ricotto	
	1039	40G			Ricotto	
	1330	30G2			Ricotto	
F.1135	1035	35			Ricotto	
F.1140	1045	45	12 050		Ricotto	
F.1150	1064	60			Ricotto	
	1060	60			Ricotto	
F.144	9255	55S2			Ricotto	
F.1250	4135	35KHM			Ricotto	
F.5241	S1	5KHV2S			Ricotto	
	L6	5KHNV			Ricotto	
	5045				Ricotto	
	3135				Bonificato	
	3435				Ricotto	
	9840				Bonificato	
F.1280	4340	38H2N2MA	16 343		Ricotto	
	5132	35KH			Bonificato	
	5140	40H	14 140		Bonificato	
F.1251	4130	20KHM	15 130		Bonificato	
F.1252	4142, 4140	38HM	15 142		Ricotto	
F.1252	4142, 4140	38HM	15 142		Bonificato	
					Bonificato	
F.143	6150	50KHFA	15 260		Bonificato	
F.1740	A355 Cl. A				Ricotto	
F.5103	1070	70			Ricotto	
F.5117	1095				Ricotto	
F.5118	W1	U10A			Ricotto	
		U10			Ricotto	
	W1	U13			Ricotto	

SMG

SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS
P7	107 CrV 3	1.2210	1.2210	115 CrV 3	100 C 3		107 CrV 3 KU			T61202
			1.2510	100 MnCrW 4	90 MWCV 5	BO 1	95 MnWCr 5 KU	SKS 3	2140	T31501
	90 MnCrV 8	1.2842	1.2842	90 MnCrV 8	90 MV 8	BO 2	90 MnVCr 8 KU			T31502
	100 Cr 6	1.3505	1.3505	100 Cr 6	100 C 6	534 A 99	100 Cr 6	SUJ 2	2258	G51986
P8	X 210 Cr 12	1.2080	1.2080	X 210 Cr 12	Z 200 C 12	BD 3	X 210 Cr 13 KU	SKD 1		T30403
			1.2343	X 38 CrMoV 5 1	Z 38 CDV 5	BH 11	X 37 CrMoV 5 1 KU	SKD 6		T20811
	X 40 CrMoV 5 1	1.2344	1.2344	X 40 CrMoV 5 1	Z 40 CDV 5	BH 13	X 40 CrMo 5 1 1 KU	SKD 61	2242	T20813
	X 100 CrMoV 5	1.2363	1.2363	X 100 CrMoV 5 1	Z 100 CDV 5	BA 2	X 100 CrMoV 5 1 KU	SKD 12	2260	T30102
			1.2365	X 32 CrMoV 3 3	32 DCV 28	BH 10	30 CrMoV 12 27 KU	SKD 7		T20810
			1.2436	X 210 CrW 12			X 215 CrW 12 1 KU	SKD 2	2312	
			1.2601	X 165 CrMoV 12			X 165 CrMoW 12 KU		2310	
			1.2713	55 NiCrMoV 6	55 NCDV 7			SKT 4		T61206
	HS 6-5-2-5	1.3243	1.3243	S 6-5-2-5	Z 85 WDKCV 06-05-05-04-02		HS 6-5-2-5	SKH 55	2723	
	HS 2-10-1-8	1.3247	1.3247	S 2-10-1-8	Z 110 DKCWV 09-08-04	BM 42	HS 2-9-1-8	SKH 51		T11342
	HS 18-1-2-5	1.3255	1.3255	S 18-1-2-5	Z 80 WKCV 18-05-04-01	BT 4	HS 18-1-1-5	SKH 3		T12004
	HS 6-5-2	1.3343	1.3343	S 6-5-2	Z 85 WDCV 06-05-04-02	BM 2	HS 6-5-2	SKH 9, SKH 51	2722	T11302
	HS 2-9-2	1.3348	1.3348	S 2-9-2	Z 100 DCWV 09-04-02-02		HS 2-9-2	SKH 58	2782	T11307
	HS 18-0-1	1.3355	1.3355	S 18-0-1	Z 80 WCV 18-04-01	BT 1	HS 18-0-1	SKH 2		T12001
P11	X 6 Cr 13	1.4000	1.4000	X 6 Cr 13	Z 6 C 12	403 S 17	X 6 Cr 13	SUS 403	2301	S41008
	X 12 Cr 13	1.4006	1.4006	X 10 Cr 13	Z 10 C 13	410 S 21	X 12 Cr 13	SUS 410	2302	S41000
	X 6 Cr 17	1.4016	1.4016	X 6 Cr 17	Z 8 C 17	430 S 15	X 8 Cr 17	SUS 430	2320	S43000
	X 20 Cr 13	1.4021	1.4021	X 20 Cr 13	Z 20 C 13	420 S 37	X 20 Cr 13	SUS 420 J 1	2303	S42000
	X 39 Cr 13	1.4031	1.4031	X 40 Cr 13	Z 40 C 14	420 S 45	X 40 Cr 14	SUS 420	2304	S40280
	X 70 CrMo 15	1.4109	1.4109	X 65 CrMo 14	Z 70 D 14			SUS 440 A		S44002
	X 90 CrMoV 18	1.4112	1.4112	X 90 CrMoV 18	Z 2 CND 18 05	409 S 19	X CrTi 12	SUS 440 B	2327	S44003
	X 105 CrMo 17	1.4125	1.4125	X 105 CrMo 17	Z 100 CD 17		X 105 CrMo 17	SUS 440 C		S44004
	X 3 CrNIMo 13 3	1.4313	1.4313	X 5 CrNi 13 4	Z 5 CN 13.4	425 C 11	X 6 CrNi 13 04	SCS 5	2385	S41500
	X 18 CrN 28	1.4749	1.4749	X 18 CrN 28	Z 18 C 25				2322	S44600
P12	X 6 NiCrTiMoV 25 15	1.4534	1.4534	X 3 CrNiMoAl 13 8 2						S13800
	X 4 CrNiCuNb 16 4	1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500
		1.4540	1.4540	X 4 CrNiCuNb 16 4	Z 4 CNUNb 16.4 M					S15500
	X 4 CrNiCuNb 16 4	1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500
	X 5 CrNiCuNb 16 4	1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400
	X 5 CrNiCuNb 17 4	1.4548	1.4542	X 5 CrNiCuNb 17 4	Z 6 CNU 17.4			SCS 24, SUS 630		S17400
	X 7 CrNiAl 17 7	1.4564	1.4564	X 7 CrNiAl 17 7	Z 9 CAN 17.7	301 S 81	X 7 CrNiAl 17 7	SUS 631	2388	S17700
	X 2 NiCoMoTi 18 12 4	1.6356	1.6356	X 2 NiCoMoTi 18 12 4						K93160
	X 2 NiCoMoTi 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMo 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMo 18 8 5	1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890
	X 2 NiCoMo 18 8 5	1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890
M1	X 10 CrNiS 18 9	1.4305	1.4305	X 10 CrNiS 18 9	Z 10 CNF 18.09	303 S 31	X 10 CrNi 18 09	SUS 303	2346	S30300
M2	X 2 CrNi 19 11	1.4306	1.4306	X 2 CrNi 19 11	Z 2 CN 18.10	304 S 12	X 3 Cr Ni 18 11	SUS 304 L	2352	S30403
	X 5 CrNi 18 10	1.4301	1.4301	X 5 CrNi 18 10	Z 6 CN 18.09	304 S 31	X 5 CrNi 18 11	SUS 304	2333	S30400
	X 5 CrNiMo 17 12 2	1.4401	1.4401	X 5 CrNiMo 17 12 2	Z 3 CND 17.11.1	316 S 31	X 5 CrNiMo 17 12	SUS 316	2347	S31600
	X 6 CrNiNb 18 10	1.4550	1.4550	X 6 CrNiNb 18 10	Z 6 CNNb 18.10	347 S 31	X 6 CrNiNb 18 11	SUS 347	2338	S34700
	X 9 CrNi 18 8	1.4310	1.4310	X 12 CrNi 17 7	Z 12 CN 17.07	301 S 21	X 12 CrNi 17 07	SUS 301	(2331)	S30100
	X 12 CrNi 18 8	1.4300	1.4300	X 12 CrNi 18 8	Z 12 CN 18	302 S 25		SUS 302	2331	S30200
M3	X 2 CrNiMo 18 14 3	1.4435	1.4435	X 2 CrNiMo 18 14 3	Z 2 CND 17.13	316 S 12	X 2 CrNiMo 17 13 2	SCS 16, SUS 316 L	2353	S31603
	X 2 CrNiMoN 17 13 3	1.4429	1.4429	X 2 CrNiMoN 17 13 3	Z 2 CND 17.13 Az	316 S 62	X 2 CrNiMoN 17 13 3	SUS 316 LN	2375	S31653
	X 2 CrNiN 18 10	1.4311	1.4311	X 2 CrNiN 19 11	Z 2 CN 18 .10 Az	304 S 62	X 2 CrNiN 18 11	SUS 304 LN	2371	S30453
	X 3 CrNiMo 18 12 3	1.4466	1.4466	X 5 CrNi 18 15		317 S 16	X 5 CrNi 18 15	SUS 317	2366	S31700
	X 9 CrNiSiNCe 21 11 2	1.4835	1.4893	X 9 CrNiSiNCe 21 11 2		310 S 31			2368	S30815
	X 12 CrNi 25 21	1.4335	1.4335	X 12 CrNi 25 21	Z 12 CN 25.20	310 S 24	X 6 CrNi 26 20	SUH 310, SUS 310 S	2361	S31008
M4	X 2 CrNiMoN 22 5 3	1.4462	1.4462	X 2 CrNiMoN 22 5	Z 2 CND 22.05 Az	332 S 15	X 2 CrNiMoN 22 5		2377	S31803
	X 2 CrNiMoSi 19 5	1.4424	1.4417	X 2 CrNiMoSi 19 5	Z 2 CND 18.05.03				2376	S31500
	X 2 NiCrMoCu 25 20 5	1.4539	1.4539	X 2 NiCrMoCu 25 20 5	Z 2 NCDU 25 20	904 S 13			2562	N08904
	X 3 CrNiMo 27 5 2	1.4460	1.4460	X 4 CrNiMo 27 5 2	Z 3 CND 25.7 Az		X 3 CrNiMo 27 5 2	SUS 329 J 1	2324	S32900
	X 5 CrNiCuNb 16 4	1.4980	1.4943	X 4 NiCrTi 25 15	Z 6 NCTDV 25.15	HR 51		SUH 660	2570	S66286
M5	X 1 CrNiMoN 20 18 7	1.4547	1.4529	X 1 CrNiMoN 20 18 7	Z 1 CNDU 20.18.05 Az		X 1 CrNiMoN 20 18 7		2778	S31254
	X 1 CrNiMoN 25 22 8	1.4652	1.4652	X 2 CrNiMoN 25 22 7						S32654
	X 10 NiCrAlTi 32 20	1.4876	1.4876	X 10 NiCrAlTi 32 20	Z 10 NC 32.21			NCF 800		N08800
	X 2 CrNiMoN 25 7 4	1.4410	1.4410	X 2 CrNiMoN 25 7 4	Z 3 CND 25.07 Az		X 2 CrNiMoN 25 7 4		2328	S32750

SMG

U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Marchi misti	Condizione	Struttura
F.520L	L2	11KHF			Ricotto	
F.5220	O1	9KHVG			Ricotto	
	O2	9G2F			Ricotto	
F.5230	52100	SHKH15	14 109		Ricotto	
F.5212	D3	KH12			Ricotto	
	H11	4KH5MFS			Ricotto	
F.5318	H13	4KH5MF1S			Ricotto	
F.5227	A2	9KH5VF			Ricotto	
	H10	3KH3M3F			Ricotto	
F.5213		KH12			Ricotto	
		KH12MF			Ricotto	
F.520.S	L6	5KHNM			Ricotto	
F.5613	M35	R6M5K5			Ricotto	
	M42	R2AM9K5			Ricotto	
	T4	R18K5F2			Ricotto	
F.5603	M2	R6M5			Ricotto	
	M7				Ricotto	
	T1	R18			Ricotto	
	403	08KH13			Ricotto	Ferritico
F.3401	410, CA-15	12KH13, 08KH13			Ricotto	Martensitico
F.3113	430	12KH17			Ricotto	Ferritico
F.5261	420	20KH13	17 022		Ricotto	Martensitico
F.3404	420	40KH13			Ricotto	Martensitico
	440 A				Ricotto	Martensitico
	440 B	95KH18			Ricotto	Martensitico
	440 C	95KH18			Ricotto	Martensitico
	A182 F6NM			F6NM	Ricotto	Martensitico
	446	15KH28			Ricotto	Ferritico
	XM-13			PH 13-8 Mo	Ricotto solubilizzato	Austenitico
	XM-12			15-5 PH	H1150	Martensitico
	XM-12			15-5 PH	Ricotto solubilizzato	Martensitico
	XM-12			15-5 PH	H1025	Martensitico
	SAE 630			17-4 PH	H1150	Martensitico
	630			17-4 PH	Ricotto solubilizzato	Martensitico
	631	09KH17N7YU1		17-7 PH	Ricotto solubilizzato	Austenitico/Ferritico
	AMS 6515			Marage 350	Ricotto solubilizzato	Martensitico
	AMS 6521			Marage 300	Ricotto solubilizzato	Martensitico
	AMS 6514			Marage 300, Vascomax C300	Ricotto solubilizzato	Martensitico
	AMS 6512			Marage 250	Ricotto solubilizzato	Martensitico
	AMS 6512			Marage 250, Vascomax C250	Ricotto solubilizzato	Martensitico
F.3508	303	12KH19N9			Ricotto	Austenitico
F.3504	304 L	03KH18N11			Ricotto	Austenitico
F.3504	304	08KH18N10	17 240		Ricotto	Austenitico
F.3534	316	08KH17H13M2T	17 346		Ricotto	Austenitico
F.3524	347	08KH18N12B			Ricotto	Austenitico
F.3517	301	07KH16N6			Ricotto	Austenitico
	302	12KH18N9			Ricotto	Austenitico
F.3533	(316 L)	03KH17N14M3	17 349		Ricotto	Austenitico
	316 LN	03KH16N15M3			Ricotto	Austenitico
F.3541	304 LN	03KH18N11			Ricotto	Austenitico
	317	08KH17H15M3T			Ricotto	Austenitico
				253 MA	Ricotto	Austenitico
	310 S	12KH25N20			Ricotto	Austenitico
	329 LN			SAF 2205	Ricotto	Duplex
				3RE60	Ricotto	Duplex
	904L				Ricotto	Super austenitico
	329				Ricotto	Duplex
	660			A286	Ricotto solubilizzato	Austenitico
				254 SMO	Ricotto	Super austenitico
				654 SMO	Ricotto	Super austenitico
				Alloy 800	Ricotto	Austenitico
	F 53			SAF 2507	Ricotto	Super duplex

SMG

SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS
	EN-GJL-150	0.6150	0.6150	GG-15	Ft 15 D	Grade 150	G15	FC 150	01 15-00	F11601
	EN-GJL-200	0.6200	0.6200	GG-20	Ft 20 D	Grade 220	G20	FC 200	01 20-00	F12101
K1	EN-GJL-250	0.6250	0.6250	GG-25	Ft 25 D	Grade 260	G25	FC 250	01 25-00	F12401
	EN-GJL-350	0.6350	0.6350	GG-35	Ft 35 D	Grade 350	G35	FC 350	01 35-00	F13502
	EN-GJL-215			GG-220 HB					02 19	
	EN-GJV-300			GJV-300						
	EN-GJV-350			GJV-350						
K2	EN-GJV-400			GJV-400						
	EN-GJV-450			GJV-450						
	EN-GJV-500			GJV-500						
K3	EN-GJMB-550-4	0.8155		GTS-55-04	P 540/5	P 540/5	P 55-04	PCMP55-04	08 54-00	F24130
	EN-GJS-350-22	0.7033	0.7033	GGG-35.3	FGS 370-17	Grade 350/22		FCD 350-22L	07 17-15	
	EN-GJS-400-15	0.7040	0.7040	GGG-40	FGS 400-12	Grade 420/12	GS 400-12	FCD 400-18L	07 17-02	F32800
K4	EN-GJS-400-18	0.7043	0.7043	GGG-40.3	FGS 370-17	Grade 370/17	GSO 42/17		07 17-12	F32800
	EN-GJS-500-7	0.7050	0.7050	GGG-50	FGS 500-7	Grade 500/7	GS 500-7	FCD 500-7	07 27-02	F33800
	EN-GJS-600-3	0.7060	0.7060	GGG-60	FGS 600-3	Grade 600/3	GS 600-3	FCD 600-3	07 32-03	F34100
	EN-GJS-700-2	0.7070	0.7070	GGG-70	FGS 700-2	Grade 700/2	GS 700-2	FCD 700-2	07 37-01	F34800
										ADI grade 5
	EN-GJS-1000-5			GJS-1000-5						ADI grade 2
K5	EN-GJS-1200-2			GJS-1200-2						ADI grade 3
	EN-GJS-1400-1			GJS-1400-1						ADI grade 4
	EN-GJS-800-8			GJS-800-8						ADI grade 1
	EN-GJLA-XNiCr 20-2	0.6660	0.6660	GGL-NiCr 20 2	FGL Ni20 Cr2	Grade F2			05 23-00	F41002
K6	EN-GJLA-XNiCr 30-3	0.6676	0.6676	GGL-NiCr 30 3	FGL Ni30 Cr3	Grade F3				F41004
	EN-GJLA-XNiCuCr 15-6-2	0.6655	0.6655	GGL-NiCuCr 15 6 2	FGL Ni15 Cu6 Cr2	Grade F1				F41000
	EN-GJSA-XNiMn 13-7	0.7652	0.7652	GGG-NiMn 13 7	FGS Ni13 Mn7	Grade S6			07 72-00	
	EN-GJSA-XNiCr 20-2	0.7660	0.7660	GGG-NiCr 20 2	FGS Ni20 Cr2	Grade S2				F43000
K7	EN-GJSA-XNiMn 23-4	0.7673	0.7673	GGG-NiMn 23 4	FGS Ni23 Mn4	Grade S2M				F43010
	EN-GJSA-XNiCr 30-3	0.7676	0.7676	GGG-NiCr 30 3	FGS Ni30 Cr3	Grade S3				F43003
	EN-GJSA-XNi 35	0.7683	0.7683	GGG-Ni 35	FGS Ni35					F43006
	AW-1050A	Al99.5	3.0255	Al99.5	A-5/1050A	1B		(A1050)	4007	AA1050A
	AW-2011	AlCuBiPb	3.1655	AlCuBiPb	A-U5PbBi/2011	FC1		A2011	4355	AA2011
	AW-2014	AlCuSiMn	3.1255	AlCuSiMn	A-U4SG/2014	H15			4338	AA2014
	AW-5005	AlMg1	3.3315	AlMg1	A-G0.6	N41			4106	AA5005
	AW-6060	AlMgSi0.5	3.3206	AlMgSi0.5	A-GS/6060	(H9)			4103	AA6060
	AW-6063	AlMgSi0.7	3.3210	AlMgSi0.7	A-GSUC/6061	(H10)		(A6063)	4104, 4107	AA6005
	AW-3103	AlMn1	3.0515	AlMn1		N3			4054	AA3103
N1	AW-3003	AlMn1Cu	3.0517	AlMn1Cu	A-M1/3003			A3003		AA3003
	AW-7020	AlZn4.5Mg1	3.4335	AlZn4.5Mg1	A-Z5G/7020	H17			4425	AA7020
	AW-7075		3.4365	AlZnMgCu1.5	A-Z5GU/7075	2L95/2L96		A7075		AA7075
	AC-42000		3.2341	G-AlSi5Mg	A-S7G	LM25	3599	AC 4C	4244	
	AC-46200	AlSi8Cu3(Si)	3.2161	G-AlSi8Cu3					4251	A13800
	MG-P-63	MgAl6Zn	3.5612	G-MgAl6Zn	G-A6-Z1	MAG-E-121				M11600
	MG-P-61	MgAl8Zn	3.5812	G-MgAl8Zn	(G-A7-Z1)					
	MN65120	MgSe3Zn2Zr1	3.5103	G-MgSe3Zn2Zr1	ZRE1	MAG6-TE				M12330
	AC-43400	AlSi10Mg(Fe)	3.2381	G-AlSi10Mg	A-S10G	LM9			4253	A13600
N2	AC-44200	AlSi12	3.2382	GD-AlSi12						
	AW-6082	AlMgSi1	3.2315	AlMgSi1	A-SGM0.7/6082	H30			4212	AA6082
N3		AlSi17Cu5						ADC14		
	CC331G		2.0940.01	CuAl10Fe	CuAl10Fe	AB1			5710	C95200
	CC333G		2.0975.01	CuAl10Ni	CuAl10Ni5Fe5	AB2			5716	C95500
		CuNi10Fe1Mn	2.0872	CuNi10Fe1Mn	CuNi10Fe1Mn	CN102			5667	C70600
				CuNi10Zn45						
		CW408J	2.0790	CuNi18Zn19Pb	CuNi18Zn19Pb1					C76300
	CW352H		2.1176	CuPb10Sn	CuSn10Pb10	LB2			5640	C93700
	CC480K		2.1050.01	CuSn10	CuSn10	CT1			5443	C90700
N11			2.1087	CuSn10Zn					5458	C90500
	CW452K	CuSn6	2.1020	CuSn6	CuSn6	PB103		C5191	5428	C51900
	CW502L	CuZn15	2.0240	CuZn15	CuZn15	CZ102		C2300	5112	C23000
	CW706R	CuZn28Sn1	2.0470	CuZn28Sn1	CuZn29Sn1				5220	C44300
	CW508L	CuZn37	2.0321	CuZn37	CuZn37	CZ108			5150	C27200
	CW717R	CuZn38Sn1	2.0530	CuZn38Sn1						C46400
	CW614N	CuZn39Pb3	2.0401	CuZn39Pb3	CuZn39Pb3	CZ121			5170	C38500
	CW612N	CuZn40Pb2	2.0402	CuZn40Pb2	CuZn39Pb2	CZ120			5168	C37800
	CW622N	CuZn44Pb2	2.0410	CuZn44Pb2		CZ104			5272	C68700

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U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Marchi misti	Condizione	Struttura
	A48 25 B	Sc 15	422 415			Ghisa grigia
	A48 30 B	Sc 20	422 420			Ghisa grigia
	A48 35 B	Sc 25	422 425			Ghisa grigia
	A48 50 B	Sc 35				Ghisa grigia
	G 3500					Ghisa grigia
	Grade 350					Ghisa a grafite compatta
	Grade 400					Ghisa a grafite compatta
	Grade 400-15					Ghisa a grafite compatta
	Grade 450					Ghisa a grafite compatta
	Grade 500					Ghisa a grafite compatta
	A220 60004				Rinvenuto	Ghisa malleabile
						Ghisa sferoidale (nodulare)
FGE 38-17	60-40-18	Vc 42-12	422 304			Ghisa sferoidale (nodulare)
	60-40-18	Vc 42-12				Ghisa sferoidale (nodulare)
FGE 50-7	A536, 80-55-06	Vc 50-2	422 305			Ghisa sferoidale (nodulare)
FGE 60-2	A476, 80-60-03	Vc 60-2	422 306			Ghisa sferoidale (nodulare)
FGE 70-2	A536, 100-70-03	Vc 70-2				Ghisa sferoidale (nodulare)
	1600/1300/-					Ghisa austemperata
	1050/700/7					Ghisa austemperata
	1200/850/4					Ghisa austemperata
	1400/1100/1					Ghisa austemperata
	850/550/10					Ghisa austemperata
	A436 Type 2			Ni-Resist 2		Ghisa austenitica lamellare
	A436 Type 3			Ni-Resist 3		Ghisa austenitica lamellare
	A436 Type 1			Ni-Resist 1		Ghisa austenitica lamellare
				Nodumag		Ghisa austenitica sferoidale (nodulare)
	A436 Type D-2			Ni-Resist D-2		Ghisa austenitica sferoidale (nodulare)
	A439 Type D-2M			Ni-Resist D-2M		Ghisa austenitica sferoidale (nodulare)
	A436 Type D-3			Ni-Resist D-3		Ghisa austenitica sferoidale (nodulare)
	A439 Type D-5			Ni-Resist D-5		Ghisa austenitica sferoidale (nodulare)
	B26					
	A380					
	AZ61A					
	AZ80A					
	AMS 4442					
	B85					
	A413.2					
	B390.0					
	CA952	BrA9ZH3L				
	CA955	BrA10ZH4N4L				
	CA937					
		BrOF6.5-0.15				
		L90				
		LOMsh70-1-0.05				
		LO60-1				
		LAMsh77-2-0.05				

SMG

SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS
S1										
S2										
S3	NiMo30		2.4810							N10002
	NiMo16Cr15W		2.4819							N10276
	NiCr19Fe19Nb5Mo3		2.4668							N07718
			2.4669							N07750
	NiCr20TiAl		2.4631							N07080
	NiCr19Co18Mo4Ti3Al3									N07500
	NiCr20Co13Mo4Ti3Al		2.4654							N07001
S11			3.7024							
										R54620
S12										R56320
	TiAl6V4		3.7164							R56400
S13				TiV10Fe2Al3						
H3	16 MnCr 5	1.7131	1.7131	16 MnCr 5	16 MC 5	527 M 17	16 MnCr 5	SCR 415	2511	G51170
H5	C 67S	1.1231	1.1231	Ck 67	XC 68	060 A 67	C 70		1770	G10700
	C 75S	1.1248	1.1248	Ck 75	XC 75	060 A 78	C 75		1774, 1778	G10780
	C 100S	1.1274	1.1274	Ck 101		060 A 96		SUP 4	1870	G10950
	C 105U	1.1545	1.1545	C 105 W1	Y1 105		C 100 KU		1880	
			1.2550	60 WCrV 7	55 WC 20		55 WCrV 8 KU			
	55 Cr 3	1.7176	1.7176	55 Cr 3	55 C 3	527 A 60	55 Cr 3	SUP 9 (A)	2253	G51550
	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244	G41400
H7	107 CrV 3	1.2210	1.2210	115 CrV 3	100 C 3		107 CrV 3 KU			T61202
			1.2510	100 MnCrW 4	90 MWCV 5	BO 1	95 MnWCr 5 KU	SKS 3	2140	T31501
	90 MnCrV 8	1.2842	1.2842	90 MnCrV 8	90 MV 8	BO 2	90 MnVCr 8 KU			T31502
	100 Cr 6	1.3505	1.3505	100 Cr 6	100 C 6	534 A 99	100 Cr 6	SUJ 2	2258	G51986
H8	X 40 CrMoV 5 1	1.2344	1.2344	X 40 CrMoV 5 1	Z 40 CDV 5	BH 13	X 40 CrMo 5 1 1 KU	SKD 61	2242	T20813
	X 100 CrMoV 5	1.2363	1.2363	X 100 CrMoV 5 1	Z 100 CDV 5	BA 2	X 100 CrMoV 5 1 KU	SKD 12	2260	T30102
	X 155 CrVMo 12 1		1.2379	X 155 CrVMo 12 1	Z 160 CDV 12	BD 2	X 155 CrVMo 12 1 KU	SKD 11		T30402
			1.2436	X 210 CrW 12			X 215 CrW 12 1 KU	SKD 2	2312	
			1.2601	X 165 CrMoV 12			X 165 CrMoW 12 KU		2310	
			1.2713	55 NiCrMoV 6	55 NCDV 7			SKT 4		T61206
	HS 6-5-2-5	1.3243	1.3243	S 6-5-2-5	Z 85 WDKCV 06-05-05-04-02		HS 6-5-2-5	SKH 55	2723	
	HS 2-10-1-8	1.3247	1.3247	S 2-10-1-8	Z 110 DKCWV 09-08-	BM 42	HS 2-9-1-8	SKH 51		T11342
	HS 18-0-1	1.3355	1.3355	S 18-0-1	Z 80 WCV 18-04-01	BT 1	HS 18-0-1	SKH 2		T12001
H11	X 20 Cr 13	1.4021	1.4021	X 20 Cr 13	Z 20 C 13	420 S 37	X 20 Cr 13	SUS 420 J 1	2303	S42000
	X 70 CrMo 15	1.4109	1.4109	X 65 CrMo 14	Z 70 D 14			SUS 440 A		S44002
	X 90 CrMoV 18	1.4112	1.4112	X 90 CrMoV 18	Z 2 CND 18 05	409 S 19	X CrTi 12	SUS 440 B	2327	S44003
	X 105 CrMo 17	1.4125	1.4125	X 105 CrMo 17	Z 100 CD 17		X 105 CrMo 17	SUS 440 C		S44004
H12	X 4 CrNiCuNb 16 4	1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500
	X 5 CrNiCuNb 16 4	1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400
	X 5 CrNiCuNb 16 4	1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400
	X 7 CrNiAl 17 7	1.4568	1.4568	X 7 CrNiAl 17 7	Z 9 CAN 17.7	301 S 81	X 7 CrNiAl 17 7	SUS 631	2388	S17700
	X 8 CrNiMoAl 15 7 5	1.4574	1.4574	X 8 CrNiMoAl 15 7 5						S15700
	X 6 NiCrTiMoV 25 15	1.4980	1.4943	X 4 NiCrTi 25 15	Z 6 NCTDV 25.15	HR 51		SUH 660	2570	S66286
	X 2 NiCoMo 18 8 5	1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890
	X 2 NiCoMoTi 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMoTi 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMoTi 18 12 4	1.6356	1.6356	X 2 NiCoMoTi 18 12 4						K93160
H21	X 120 Mn 12	1.3401	1.3401	X 120 Mn 12	Z 120 M 12	BW 10		SC MnH 1	2183	
H31	EN-GJN-HV520	0.9620	0.9620	G-X330 NiCr 4 2	FB Ni4 Cr2 BC	Grade 2 A			05 12-00	F45001
	EN-GJN-HV550	0.9625	0.9625	G-X260 NiCr 4 2	FB Ni4 Cr2 HC	Grade 2 B			05 13-00	F45000
	EN-GJN-HV600(XCr11)	0.9630	0.9630	G-X300 CrNiSi 9 5 2	FB Cr9 Ni5	Grade 2 C, D, E			04 57-00	F45003

SMG

U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Marchi misti	Condizione	Struttura
				Discalloy	Indurito per precipitazione	
				Haynes 25		
				Stellite 21		
				Hastelloy C		
		KHN65MV		Hastelloy C-276		
				IN 100		
				Inconel 718		
				Inconel X-750	Ricotto solubilizzato	
				Nimonic 80A		
				René 41		
				Udimet 500		
				Waspalloy		
				Ti	Commercialmente puro	Ti (α)
	AMS 4919			Ti 6-2-4-2	Ricotto	Ti (α)
	AMS 4943			Ti 3Al-2.5V (grd 9)	Ricotto	Ti (α+β)
	AMS 4920, Grade 5	VT6		Ti 6Al-4V	Ricotto	Ti (α+β)
	AMS 4986			Ti 10V-2Fe-3Al	Ricotto	Ti (β)
F.1516	5115	12KHN2	14 220		Indurito superficialmente	
F.5103	1070	70			Bonificato	
F.5107	1078, 1080	75			Bonificato	
F.5117	1095				Bonificato	
F.5118	W1	U10A			Bonificato	
	S1	5KHV2SF			Bonificato	
	5155				Bonificato	
F.1252	4142, 4140	38HM	15 142		Bonificato	
F.520L	L2	11KHF			Bonificato	
F.5220	O1	9KHVG			Bonificato	
	O2	9G2F			Bonificato	
F.5230	52100	SHKH15	14 109		Bonificato	
F.5318	H13	4KH5MF1S			Bonificato	
F.5227	A2	9KH5VF			Bonificato	
F.5211	D2	KH12MF			Bonificato	
F.5213		KH12			Bonificato	
		KH12MF			Bonificato	
F.520.S	L6	5KHNM			Bonificato	
F.5613	M35	R6M5K5			Bonificato	
	M42	R2AM9K5			Bonificato	
	T1	R18			Bonificato	
F.5261	420	20KH13	17 022		Bonificato	Martensitico
	440 A				Bonificato	Martensitico
	440 B	95KH18			Bonificato	Martensitico
	440 C	95KH18			Bonificato	Martensitico
	XM-12			15-5 PH	H900	Martensitico
	SAE 630			17-4 PH	H1025	Martensitico
	SAE 630			17-4 PH	H900	Martensitico
	AMS 5528	09KH17N7YU1		17-7 PH	TH1050	Martensitico
	632			PH 15-7 Mo	TH1050	Martensitico
	660			A286	Indurito per precipitazione	Austenitico
	AMS 6512			Marage 250	Indurito per precipitazione	Martensitico
	AMS 6521			Marage 300	Indurito per precipitazione	Martensitico
	AMS 6521			Marage 300	Indurito per precipitazione	Martensitico
	AMS 6515			Marage 350	Indurito per precipitazione	Martensitico
	A128 Grade A			Hadfield		
	A532 IB (NiCr-LC)			Ni-Hard 2		Ghisa bianca
	A532 IA (NiCr-HC)			Ni-Hard 1		Ghisa bianca
	A532 ID (Ni-HiCr)			Ni-Hard 4		Ghisa bianca

Inserti in metallo duro ed utensili ad inserti

Gli inserti in metallo duro ed i relativi corpi utensile Seco Tools non rientrano nelle categorie prodotto sottocitate. Seco Tools rilascia pertanto la seguente dichiarazione.
Questi prodotti soddisfano tutti i requisiti delle normative RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment), WEEE (Waste Electrical & Electronic Equipment) ed ELV (End of Life Vehicles).
All'interno del prodotto non sono presenti mercurio, piombo, cromo esavalente, cadmio, CFC, HCFC, ritardanti di fiamma o solventi in concentrazioni maggiori dei livelli di specifica.

Riaffilatura:
Operazioni di rettifica a secco o ad umido possono generare polveri o vapori potenzialmente tossici che possono irritare pelle, occhi, naso, gola e in caso di esposizione prolungata provocare gravi danni alla salute. Per evitare intossicazioni utilizzare appropriate precauzioni ed avvalersi dei dispositivi di protezione individuale.

Smaltimento:
Seco Tools offre la possibilità di acquistare inserti ed utensili in metallo duro usurati da destinare a riciclo. Gli inserti e gli utensili in metallo duro integrale dovranno essere separati dal comune rifiuto metallico (acciaio, alluminio, rame, ecc.).
Il materiale di confezionamento è interamente riciclabile.

Inserti in CBN e PCD

Gli inserti Seco Tools non rientrano nelle categorie prodotto sottocitate. Seco Tools rilascia pertanto la seguente dichiarazione.
Questo prodotto soddisfa tutti i requisiti delle normative RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment), WEEE (Waste Electrical & Electronic Equipment) ed ELV (End of Life Vehicles).
All'interno del prodotto non sono presenti mercurio, piombo, cromo esavalente, cadmio, CFC, HCFC, ritardanti di fiamma o solventi in concentrazioni maggiori dei livelli di specifica.

Riaffilatura:
Operazioni di rettifica a secco o ad umido possono generare polveri o vapori potenzialmente tossici che possono irritare pelle, occhi, naso, gola e in caso di esposizione prolungata provocare gravi danni alla salute. Per evitare intossicazioni utilizzare appropriate precauzioni ed avvalersi dei dispositivi di protezione individuale.

Smaltimento:
Seco Tools offre la possibilità di acquistare inserti con riporto in CBN o PCD da destinare a riciclo. Gli inserti dovranno essere separati dal comune rifiuto metallico (acciaio, alluminio, rame, ecc.). Inserti in CBN integrale possono essere smaltiti presso una discarica.
Il materiale di confezionamento è interamente riciclabile.

Corpi utensile bruniti

I corpi utensile Seco Tools non rientrano nelle categorie prodotto sottocitate. Seco Tools rilascia pertanto la seguente dichiarazione.
Questo prodotto soddisfa tutti i requisiti delle normative RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment), WEEE (Waste Electrical & Electronic Equipment) ed ELV (End of Life Vehicles).
All'interno del prodotto non sono presenti mercurio, piombo, cromo esavalente, cadmio, CFC, HCFC, ritardanti di fiamma o solventi in concentrazioni maggiori dei livelli di specifica.

Disposal:
I corpi utensile possono essere destinati a riciclo come ordinario rifiuto metallico (sfridi e trucioli metallici).
Il materiale di confezionamento è interamente riciclabile.

Inserti in cermet

Gli inserti Seco Tools non rientrano nelle categorie prodotto sottocitate. Seco Tools rilascia pertanto la seguente dichiarazione.
Questo prodotto soddisfa tutti i requisiti delle normative RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment), WEEE (Waste Electrical & Electronic Equipment) ed ELV (End of Life Vehicles).
Gli inserti in cermet qualità C15M contengono nichel e potrebbe verificarsi trasmissione di nichel per contatto con la pelle. La quantità di nichel risulta più elevata rispetto le specifiche del test di riferimento della norma SS-EN 1811, che si riferisce al rilascio di nichel per prodotti che vengono a contatto diretto e prolungato con la pelle. Queste norme sono intese per prodotti che hanno un contatto diretto e prolungato con la pelle, pertanto non sono applicabili in modo diretto ad inserti in cermet. Persone che presentano note reazioni allergiche al nichel sono invitate ad indossare guanti protettivi durante la manipolazione di inserti in cermet.

Riaffilatura:
Operazioni di rettifica a secco o ad umido possono generare polveri o vapori potenzialmente tossici che possono irritare pelle, occhi, naso, gola e in caso di esposizione prolungata provocare gravi danni alla salute. Per evitare intossicazioni utilizzare appropriate precauzioni ed avvalersi dei dispositivi di protezione individuale.

Smaltimento:
Gli inserti usati possono essere riciclati. Gli inserti dovranno essere separati dal comune rifiuto metallico (acciaio, alluminio, rame, ecc.), compresi inserti in metallo duro.
Il materiale di confezionamento è interamente riciclabile.

Corpi utensile con rivestimento al nichel

I corpi utensile Seco Tools non rientrano nelle categorie prodotto sottocitate. Seco Tools rilascia pertanto la seguente dichiarazione.
Questo prodotto soddisfa tutti i requisiti delle normative RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment), WEEE (Waste Electrical & Electronic Equipment) ed ELV (End of Life Vehicles).
All'interno del prodotto non sono presenti mercurio, piombo, cromo esavalente, cadmio, CFC, HCFC, ritardanti di fiamma o solventi in concentrazioni maggiori dei livelli di specifica.
I corpi utensile contengono nichel e ci potrebbe essere trasmissione di nichel per contatto con la pelle. La quantità di nichel non è più elevata rispetto alle specifiche del test di riferimento della norma SS-EN 1811 che si riferisce al rilascio di nichel per prodotti che vengono a contatto diretto e prolungato con la pelle.
Queste norme sono intese per prodotti che hanno un contatto diretto e prolungato con la pelle e pertanto non sono applicabili in modo diretto ai corpi utensile. Persone che presentano note reazioni allergiche al nichel sono invitate ad indossare guanti protettivi durante la manipolazione dei corpi utensile.

Smaltimento
I corpi utensile possono essere destinati a riciclo come ordinario rifiuto metallico (sfridi e trucioli metallici).
Il materiale di confezionamento è interamente riciclabile.

Elementi leganti aggiunti intenzionalmente

Qualità	Metallo duro											Rivestimento						
	W	Ti	Ta	Nb	Co	Cr	Ni	Mo	C	N	Ru	Ti	Al	C	N	O	Si	Nb
CP20	■				■				■			■			■			
CP200	■				■	■			■			■	■		■			
CP300	■	■	■	■	■				■			■	■		■			
CP500	■				■	■			■			■	■		■			
CP600	■				■	■			■			■	■		■			
C15M	■	■	■	■	■		■	■	■	■								
CF	■		■		■		■	■	■									
CM	■		■		■		■	■	■									
DP2000	■		■	■	■				■			■	■	■	■	■		
DP3000	■	■	■	■	■				■	■		■	■	■	■	■		
DS2050	■				■	■			■			■	■		■			■
DS4050	■				■	■			■			■	■		■			■
F15M	■				■	■			■			■	■		■			
F25M	■	■	■	■	■				■			■	■		■			
F30M	■				■	■			■			■	■		■			
F40M	■				■	■			■			■	■		■			
HX	■		■		■				■									
H02	■		■		■	■			■									
H15	■				■	■			■									
H25	■				■	■			■									
KX	■				■	■			■									
MH1000	■				■	■			■			■	■		■			
MK1500	■		■		■				■			■	■	■	■	■		
MK2050	■		■		■	■			■			■	■		■		■	
MM4500	■				■	■			■			■	■	■	■	■		
MP1501	■		■	■	■				■			■	■	■	■	■		
MP2050	■				■						■	■	■		■		■	
MP2501	■		■	■	■				■			■	■	■	■	■		
MP3000	■				■	■			■			■	■		■			
MS2500	■		■	■	■				■			■	■	■	■	■		
MS2050	■				■	■			■			■	■		■			■
RX1500	■		■		■		■	■	■			■	■		■			
RX2000	■		■		■	■			■			■	■		■			
RM2020	■				■				■			■						
RM2090	■				■	■			■			■	■				■	
RN2010	■				■	■			■									
RS2090	■				■	■			■			■	■				■	
T350M	■		■	■	■				■			■	■	■	■	■		
T25M	■		■	■	■				■			■		■	■			
TGH1050	■				■	■			■			■	■		■		■	
TGK1500	■		■		■				■			■	■	■	■	■		
TGP25	■	■	■	■	■				■			■	■	■	■	■		
TGP35	■		■	■	■				■			■	■	■	■	■		
TGP45	■		■	■	■				■			■	■	■	■	■		
TGS2050	■				■	■			■			■	■		■		■	
TH1000	■				■	■			■			■	■		■		■	
TH1500	■				■	■			■			■	■	■	■	■		
TK0501	■				■	■			■			■	■	■	■	■		
TK1501	■		■		■	■			■			■	■	■	■	■		
TM1501	■	■	■	■	■	■			■	■		■	■	■	■	■		
TM2000	■	■	■	■	■				■	■		■	■	■	■	■		
TM2501	■	■	■	■	■				■	■		■	■	■	■	■		
TM3501	■				■				■			■	■	■	■	■		
TM4000	■	■	■	■	■				■	■		■	■	■	■	■		
TP0501	■	■	■	■	■	■			■			■	■	■	■	■		
TP1020	■	■	■	■	■				■	■								
TP1030	■	■	■	■	■				■	■		■	■		■		■	
TP1501	■	■	■	■	■				■	■		■	■	■	■	■		
TP25	■	■	■	■	■	■			■	■		■	■	■	■	■		
TP200	■	■	■	■	■				■	■		■	■	■	■	■		
TP2501	■	■	■	■	■	■			■	■		■	■	■	■	■		
TP3501	■	■	■	■	■				■	■		■	■	■	■	■		
TP40	■		■	■	■				■			■		■	■			
TS2000	■				■	■			■			■	■		■			
TS2050	■				■	■			■			■	■		■		■	
TS2500	■		■		■				■			■	■		■			
TTP2050	■				■	■			■			■	■		■		■	
T250D	■				■	■			■			■	■		■			
T400D	■				■	■			■			■	■		■			
T100R	■		■		■	■			■			■	■		■			
T60M	■	■	■	■	■				■			■	■		■			
883	■		■		■				■									
890	■				■	■			■									

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