

**uenme**  
TOOLS and EQUIPMENT

**25**  
ANNI  
DI SUCCESSI  
CON VOI



**PROMO  
STAMPI**

EDIZIONE 2026

# Guida sintetica

Individua **l'utensile più performante**  
per le tue applicazioni in fresatura.

[TTETEC.EU](http://TTETEC.EU)



CRESCERE IN EFFICIENZA CON NOI

MANUFACTURED  
  
100% ITALY



# Il nostro perché da oltre 25 anni

RAGGIUNGERE IL PIÙ ALTO LIVELLO  
QUALITATIVO IN PRODUZIONE



Foto: La nostra nuova sede.

TTE è azienda leader di mercato nella **progettazione, produzione e distribuzione** di frese e punte standard e speciali.

Più di 25 anni di esperienza nella fresatura e foratura, oggi ci permettono di offrire ai nostri clienti **soluzioni tecniche** di alta qualità.

Offriamo **prodotti specifici per ogni settore** e speciali geometrie per ogni esigenza di fresatura e foratura.

Tutti i prodotti beneficiano della nostra esperienza.

” **Il cliente non acquista solo un prodotto, ma soluzioni collaudate per migliorare la qualità e l'efficienza del proprio processo produttivo.**

ESPERIENZA  
E COMPETENZA

# Specializzati nella utensili

Qui alcune **caratteristiche tecniche** dei nostri utensili:



OROLOGI, GIOIELLI  
E MODA

Creiamo **geometrie complesse** con eliche Dx e Sx per eliminare vibrazioni e incrementare la qualità superficiale del pezzo lavorato.



AEROSPACE,  
ENERGIA

Creiamo specifiche onature sul filo tagliente per garantirvi **durata e una eccellente qualità superficiale**.  
Gli utensili vengono accompagnati da un certificato di forma.



PROTESI - APPLICAZIONI  
GENERALI

Tutti i ns. utensili hanno un codice identificativo e lotto di produzione per una rintracciabilità sicura  
Puoi richiedere sempre il **certificato di controllo**.

# produzione di a disegno



## AUTOMOTIVE, OLEODINAMICA

In funzione delle tolleranze dimensionali e geometriche del pezzo da lavorare costruiamo le **punte con doppia fase cilindrica o pattino di guida.**

Il processo di lucidatura post rivestimento garantisce un'**ottima evacuazione del truciolo e aumento della durata.**

Le punte sia cilindriche che a gradino possono essere realizzate con i **fori di lubrificazione.**



## DISTRIBUTORI PNEUMATICI

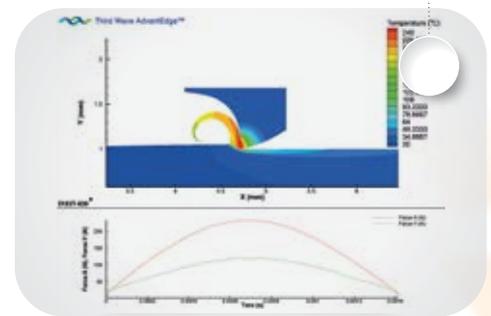
Da diametro 1 a 40 mm  
**realizziamo allargatori e alesatori a più diametri** con o senza fori di lubrificazione.

# Esperienza e tecnologia

## PROGETTAZIONE

DAL 2021 UTILIZZIAMO IL FEM PER LO STUDIO DEL FILO TAGLIANTE E IL CONTROLLO DEL TRUCIOLO.

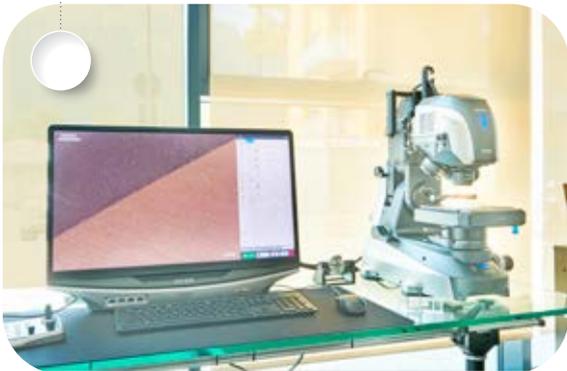
SIAMO IN GRADO DI DEFINIRE LA MIGLIORE GEOMETRIA PER LE TUE NECESSITÀ, RIDUCENDO I TEMPI NELLA MESSA A PUNTO DELL'UTENSILE GARANTENDOTI RISULTATI E PRESTAZIONI.



## ISPEZIONE

L'ULTIMA FASE È L'ISPEZIONE VISIVA PER VERIFICARE LA CORRETTA ADESIONE DELLA RICOPERTURA E SUA UNIFORMITÀ.

TUTTI GLI UTENSILI SONO LUCIDATI DOPO IL RIVESTIMENTO GARANTENDOTI UNA MAGGIOR SCORREVOLEZZA DEL TRUCIOLO DEL 30/40%.



## Your Tool Certificate



## CONTROLLO E VERIFICA

CONTROLLIAMO IL 100% DELLA GEOMETRIA DELL'UTENSILE. UN'ANALISI SPECIFICA PER GARANTIRTI SEMPRE LO STESSO UTENSILE.

CERTIFICHIAMO COSÌ LA PERFORMANCE DELL'UTENSILE OLTRE CHE LE DIMENSIONI.



DEVI RISPARMIARE TEMPO?  
HAI BISOGNO DI TTE

# per ottenere il **100%** IN PERFORMANCE

## PRODUZIONE

TUTTE MACCHINE DI ULTIMA GENERAZIONE CON MOTORI LINEARI A TEMPERATURA CONTROLLATA. DISPONIAMO DI MACCHINE SIA PER LA RETTIFICA CHE L'AFFILATURA. L'AMBIENTE DI LAVORO È TOTALMENTE CLIMATIZZATO A TEMPERATURA CONTROLLATA.



## CONTROLLO DIMENSIONALE E CERTIFICAZIONE

TUTTI GLI UTENSILI HANNO UN LOTTO DI PRODUZIONE E UN LORO CERTIFICATO DI CONTROLLO. QUESTO CI PERMETTE UNA RINTRACCIABILITÀ AL 100%.

PUOI RICHIEDERE IL CERTIFICATO DI CONTROLLO ALL'ATTO DELL'ORDINE.



## PROCESSO DI ONATURA

DAL 2017 STUDIAMO L'EFFETTO DELL'ONATURA SUL FILO DEL TAGLIANTE. OGGI A TUTTI GLI UTENSILI STANDARD E SPECIALI APPLICHIAMO QUESTO TRATTAMENTO.

I BENEFICI SONO MOLTEPLICI QUALI INCREMENTO DELLE PERFORMANCE, MAGGIOR DURATA DELL'UTENSILE, MIGLIOR QUALITÀ SUPERFICIALE SUL PEZZO E MINORI VIBRAZIONI DURANTE LA LAVORAZIONE. PROPONIAMO DIVERSI TIPI DI ONATURA A SECONDA DEI MATERIALI E LAVORAZIONI GARANTENDO UN INCREMENTO DI PERFORMANCE DI OLTRE IL 30%.



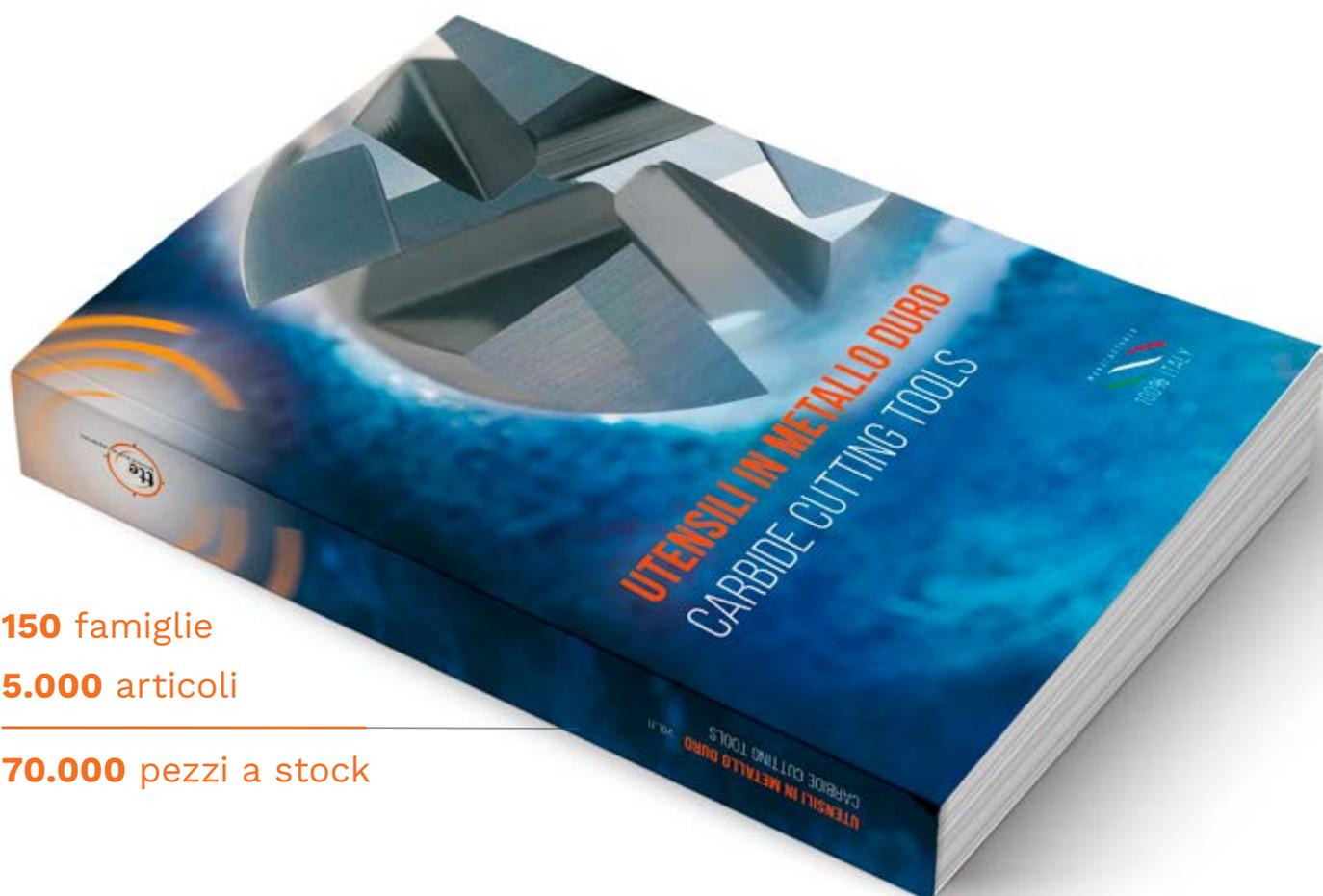
## CONTROLLO 100% ANALISI 3D

ABBIAMO INSERITO UNA MACCHINA DI MISURA CHE CI PERMETTE DI ESEGUIRE UN CONTROLLO DEL 100% SUI TUOI UTENSILI: **CONTROLLO DIMENSIONALE, GEOMETRICO E CONTROLLO DI FORMA**

**PRECISIONE SENZA COMPROMESSI:** UTENSILI DALLE PRESTAZIONI COSTANTI GRAZIE A CONTROLLI DIMENSIONALI E GEOMETRICI ACCURATI.



# Richiedi il catalogo v.11



**150** famiglie

**5.000** articoli

**70.000** pezzi a stock

Negli ultimi anni TTE ha sviluppato continuamente **utensili di alta qualità**, specifici per ogni settore applicativo e speciali geometrie per ogni necessità.



**Registrati** e rimani aggiornato

Richiedi il **catalogo aggiornato "Utensili in Metallo Duro"** con la gamma completa dei nostri prodotti e tutte le novità.

LA NOSTRA ESPERIENZA  
AL SERVIZIO DEL CLIENTE

# Linee di utensili



## PRODUZIONE TUTTA ITALIANA, DAL DISEGNO ALLA DISTRIBUZIONE

TTE è azienda leader di mercato nella **progettazione, produzione e distribuzione** di frese e punte standard e speciali.

L'ideazione e lo sviluppo di nuovi prodotti e servizi sono il risultato dell'**impegno costante dell'azienda nella ricerca e nello studio delle tecnologie più innovative**, per assicurare una maggiore produttività ed efficienza in tutte le fasi di lavorazione.



La tecnologia TTE alla base dello sviluppo di nuove frese e utensili da taglio si sta evolvendo rapidamente **per rispondere alle mutevoli esigenze e ai materiali di lavoro più impegnativi**.



## DAL GIAPPONE, UNA PRECISIONE DI TAGLIO SENZA EGUALI

Azienda nata negli anni '60, si è da subito **distinta per la qualità e l'innovazione**. Da sempre produce in Giappone micro punte e frese in metallo duro integrale, nella sede di Mitsuke a nord del Paese.

Dal 2000 **TTE è il distributore per tutto il territorio italiano e sloveno**. In questo ventennale TTE e Union Tool hanno stretto importanti accordi tecnici e commerciali. Il binomio tra le due aziende fa sì che il prodotto oggi sia conosciuto e apprezzato.



Union Tool dal 2018 ha deciso di utilizzare la piattaforma **DataMilling®** (sviluppata da TTE) per il calcolo dei parametri di taglio per il mercato europeo.

## MATERIALI



Metallo Duro  
> 0,5  $\mu$



Micro Grano  
0,4 - 0,5  $\mu$



Sub Micro Grano  
0,2 - 0,3  $\mu$



CBN

## RIVESTIMENTI



La nanostruttura del rivestimento offre elevata durezza a caldo ed un'elevatissima resistenza all'ossidazione che consente di lavorare a temperature superiori ai 1100°C.



Evoluzione del rivestimento HARD MAX: è aumentata la temperatura di ossidazione e la resistenza all'abrasione. È impiegata su utensili per la lavorazione fino a 70 Hrc. Può essere usata sia a secco sia a umido.



CrN è stato sviluppato per resistere alle alte temperature e alla forte abrasione che si sviluppa sul filo tagliente durante la lavorazione del rame.



È un multistrato TiAlN che conferisce un'ottima resistenza all'usura e una riduzione del coefficiente di attrito, favorendo così lo scorrimento del truciolo ed evitando fenomeni di craterizzazione.



Nuovo rivestimento multi layer resistente all'abrasione. Ideato per applicazioni di fresatura su materiali a 70 HRC.



Rivestimento PVD che incrementa la durezza superficiale dell'utensile e la temperatura di ossidazione. Questo rivestimento aumenta la scorrevolezza del truciolo e mantiene il filo tagliente vivo.



UT COAT è una ricopertura raccomandata per materiali fino a 55 Hrc e nelle operazioni di sgrossatura. Può essere impiegata sia a secco sia a umido.



DLC. Ha un deposito di 2  $\mu$  che non altera il filo tagliente e la geometria dell'utensile. Ottimo per la lavorazione di alluminio, ottone, oro, argento.



Alu speed è un rivestimento sviluppato per lavorare i materiali non ferrosi e materiali compositi abrasivi. Arriva ad una durezza di 5000Hv. Lo spessore minore di 1,5 microns garantisce un filo tagliente affilato.



Evoluzione dell'UT COAT. Rivestimento a basso spessore per lasciare inalterato il filo tagliente garantendo un'alta resistenza all'adesione.



Rivestimento al diamante. Ha un deposito di 7-10  $\mu$  con micro granulometria del diamante che non altera la geometria del tagliente, ma conferisce una durezza fino a 10.000 HV. Ottimo per lavorazioni di ceramiche, fibre, alluminio e materiali non ferrosi ma abrasivi.



Utensile senza ricopertura.



HARD MAX è una nuova tecnologia Union Tool che offre un'eccellente resistenza all'usura e una buona scorrevolezza del truciolo. È impiegata su utensili per la lavorazione fino a 65 Hrc. Può essere usata sia a secco sia a umido.



Rivestimento al diamante che utilizzando il metodo del filamento a caldo CVD conferisce maggiore resistenza e durezza e dà un'eccellente adesione all'utensile.

## LAVORAZIONI AGGIUNTIVE UTENSILI STANDARD



Pianetto wiper



Concentricità tra gambo e taglienti 4  $\mu$



Lubrificazione interna



Geometria variabile GV



Profilo frontale raggiato per migliorare la formazione del truciolo



Rapporto diametro/lunghezza



Preparazione filo tagliente per riduzione vibrazioni



Preparazione del filo tagliente con processo controllato di onatura



Profilo del vano gola studiato per garantire un'evacuazione migliore del truciolo



Romptruciolo piatto

## TOLLERANZE

Diametro



D 6 - 20

Raggio



R > 3

Raggio Torico



CR  $\leq$  0,02

Tolleranza Gambo



Sull'etichetta è segnalata la tolleranza reale dell'utensile

## INCLINAZIONI

Inclinazione elica



Angolo di punta



## SETTORI DI UTILIZZO

Medicale



Aerospaziale



Auto e Racing



Stampi



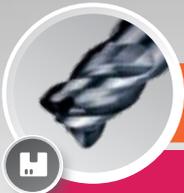
Accessori Moda



## UTENSILE SU MISURA



Il prodotto può essere realizzato su misura come utensile speciale



## STAMPI

### FRESE TORICHE CORNER RADIUS END MILLS

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
HLRS	2T		FRESA TORICA 2T PER NERVATURE / 2 FLUTES CORNER RADIUS END MILL, FOR RIBBING		D 0,2 - 6 15
HLRS	4T		FRESA TORICA 4T PER NERVATURE / 4 FLUTES CORNER RADIUS END MILL, FOR RIBBING		D 0,2 - 6 17
HGLRS			FRESA TORICA 4T PER NERVATURE / 4 FLUTES CORNER RADIUS END MILL, FOR RIBBING		D 0,2 - 6 19
CXERS			FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER RADIUS END MILL, SHORT SERIES - GV		D 1 - 12 22
7834			FRESA TORICA 4T A SOVRASARE SCARICATA - GV, HFRM / 4 FLUTES CORNER RADIUS ROUGHING END MILL, UNDERCUT - GV, HFRM		D 2 - 12 23
HRRS			FRESA TORICA 4T SCARICATA - GV / 4 FLUTES CORNER RADIUS END MILL, UNDERCUT - GV		D 2 - 12 23
5826		6T		FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER	
HMERS			FRESA TORICA MULTITAGLIANTE / MULTI FLUTES CORNER RADIUS END MILL		D 3 - 12 25
HRRS			FRESA TORICA MULTITAGLIANTE SCARICATA MULTI FLUTES CORNER RADIUS END MILL, UNDERCUT		D 6 - 12 25

### FRESE SFERICHE BALL NOSE END MILLS

Modello Model n°	Tagli Flutes	Riv. Coat	Descrizione Description	Fotografia Picture	Dim. Gap
CWLB	2T		FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK BALL NOSE END MILL, FOR RIBBING		R 0,05 - 3 26
HWLB			FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK BALL NOSE END MILL, FOR RIBBING		R 0,05 - 3 28
HGLB			FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK BALL NOSE END MILL, FOR RIBBING		R 0,05 - 3 30
HTNB			FRESA SFERICA 2T CON GAMBO TRONCO CONO 2 FLUTES TAPER NECK BALL NOSE END MILL		R 0,1 - 2 32
CSEB			FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES		R 0,05 - 6 34
HSB			FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES		R 0,03 - 6 35
HGB			FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES		R 0,05 - 3 36
CFLB		3T		FRESA SFERICA 3T PER NERVATURE / 3 FLUTES LONG NECK BALL NOSE END MILL, FOR RIBBING	
HFTNB			FRESA SFERICA 3T CON GAMBO TRONCO CONO 3 FLUTES TAPER NECK BALL NOSE END MILL		R 0,5 - 2 38
CFB			FRESA SFERICA 3T - GV / 3 FLUTES BALL NOSE END MILL - GV		R 0,3 - 6 39

# Promo Stampi

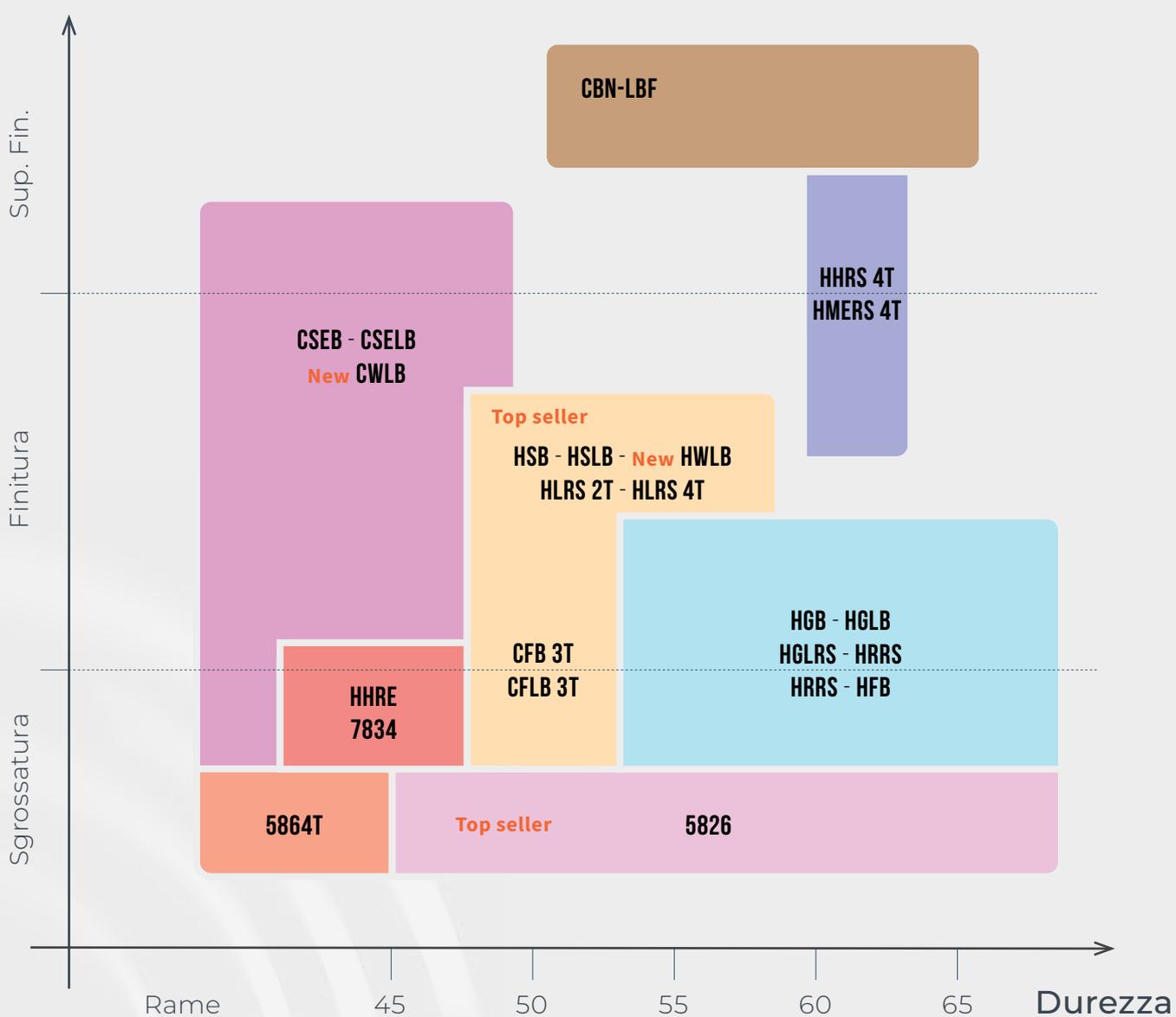




## OPERAZIONE / DUREZZA MATERIALE

Il grafico mette in relazione il tipo di operazione e la durezza del materiale per illustrare l'assortimento di **frese TTE per il settore della lavorazione di stampi**, con evidenziate le famiglie di utensili top seller e le novità.

### Operazione



# FRESE TORICHE CORNER RADIUS END MILLS



## HLRS Die Mould line - High speed machining

### FRESA TORICA 2T PER NERVATURE / 2 FLUTES CORNER

RADIUS END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES D 0,2 - 6



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 2002-005-005E	0.2	0.05	0.2	0.5	0.17	16°	50	4	124.64	99.71
HLRS 2002-005-010E	0.2	0.05	0.2	1	0.17	16°	50	4	124.64	99.71
HLRS 2002-005-015E	0.2	0.05	0.2	1.5	0.17	16°	50	4	124.64	99.71
HLRS 2002-005-020E	0.2	0.05	0.2	2	0.17	16°	50	4	124.64	99.71
HLRS 2003-005-010E	0.3	0.05	0.3	1	0.27	16°	50	4	120.00	96.00
HLRS 2003-005-015E	0.3	0.05	0.3	1.5	0.27	16°	50	4	120.00	96.00
HLRS 2003-005-020E	0.3	0.05	0.3	2	0.27	16°	50	4	120.00	96.00
HLRS 2003-005-025E	0.3	0.05	0.3	2.5	0.27	16°	50	4	132.38	105.90
HLRS 2003-005-030E	0.3	0.05	0.3	3	0.27	16°	50	4	132.38	105.90
HLRS 2004-005-010E	0.4	0.05	0.4	1	0.38	16°	50	4	79.84	63.87
HLRS 2004-005-015E	0.4	0.05	0.4	1.5	0.38	16°	50	4	79.84	63.87
HLRS 2004-005-020E	0.4	0.05	0.4	2	0.38	16°	50	4	79.84	63.87
HLRS 2004-005-030E	0.4	0.05	0.4	3	0.38	16°	50	4	79.84	63.87
HLRS 2004-005-040E	0.4	0.05	0.4	4	0.38	16°	50	4	79.84	63.87
HLRS 2004-01-010	0.4	0.1	0.4	1	0.38	16°	50	4	75.84	60.67
HLRS 2004-01-015	0.4	0.1	0.4	1.5	0.38	16°	50	4	75.84	60.67
HLRS 2004-01-020	0.4	0.1	0.4	2	0.38	16°	50	4	75.84	60.67
HLRS 2004-01-030	0.4	0.1	0.4	3	0.38	16°	50	4	75.84	60.67
HLRS 2004-01-040	0.4	0.1	0.4	4	0.38	16°	50	4	75.84	60.67
HLRS 2005-005-010	0.5	0.05	0.5	1	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-020	0.5	0.05	0.5	2	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-030	0.5	0.05	0.5	3	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-040	0.5	0.05	0.5	4	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-050	0.5	0.05	0.5	5	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-060	0.5	0.05	0.5	6	0.48	16°	50	4	62.11	49.69
HLRS 2005-005-060	0.5	0.05	0.7	6	0.48	16°	45	4	66.75	53.40
HLRS 2005-005-080	0.5	0.05	0.7	8	0.48	16°	45	4	74.30	59.44
HLRS 2005-005-100	0.5	0.05	0.7	10	0.48	16°	45	4	74.30	59.44
HLRS 2005-01-010	0.5	0.1	0.5	1	0.48	16°	50	4	62.11	49.69
HLRS 2005-01-020	0.5	0.1	0.5	2	0.48	16°	50	4	62.11	49.69
HLRS 2005-01-030	0.5	0.1	0.5	3	0.48	16°	50	4	62.11	49.69
HLRS 2005-01-040	0.5	0.1	0.5	4	0.48	16°	50	4	62.11	49.69
HLRS 2005-01-050	0.5	0.1	0.5	5	0.48	16°	50	4	62.11	49.69
HLRS 2005-01-060	0.5	0.1	0.5	6	0.48	16°	50	4	62.11	49.69
HLRS 2006-005-020	0.6	0.05	0.6	2	0.58	16°	50	4	62.11	49.69
HLRS 2006-005-030	0.6	0.05	0.6	3	0.58	16°	50	4	62.11	49.69
HLRS 2006-005-040	0.6	0.05	0.6	4	0.58	16°	50	4	62.11	49.69
HLRS 2006-005-060	0.6	0.05	0.6	6	0.58	16°	50	4	62.11	49.69
HLRS 2006-005-080	0.6	0.05	0.6	8	0.58	16°	50	4	62.11	49.69

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 2006-005-100	0.6	0.05	0.9	10	0.58	16°	45	4	74.30	59.44
HLRS 2006-01-020	0.6	0.1	0.6	2	0.58	16°	50	4	62.11	49.69
HLRS 2006-01-030	0.6	0.1	0.6	3	0.58	16°	50	4	62.11	49.69
HLRS 2006-01-040	0.6	0.1	0.6	4	0.58	16°	50	4	62.11	49.69
HLRS 2006-01-060	0.6	0.1	0.6	6	0.58	16°	50	4	62.11	49.69
HLRS 2006-01-080	0.6	0.1	0.6	8	0.58	16°	50	4	62.11	49.69
HLRS 2006-02-020	0.6	0.2	0.6	2	0.58	16°	50	4	62.11	49.69
HLRS 2006-02-030	0.6	0.2	0.6	3	0.58	16°	50	4	62.11	49.69
HLRS 2006-02-040	0.6	0.2	0.6	4	0.58	16°	50	4	62.11	49.69
HLRS 2006-02-060	0.6	0.2	0.6	6	0.58	16°	50	4	62.11	49.69
HLRS 2006-02-080	0.6	0.2	0.6	8	0.58	16°	50	4	62.11	49.69
HLRS 2007-01-040	0.7	0.1	0.7	4	0.68	16°	50	4	65.18	52.14
HLRS 2007-01-060	0.7	0.1	0.7	6	0.68	16°	50	4	65.18	52.14
HLRS 2007-02-040	0.7	0.2	0.7	4	0.68	16°	50	4	65.18	52.14
HLRS 2007-02-060	0.7	0.2	0.7	6	0.68	16°	50	4	65.18	52.14
HLRS 2008-005-040	0.8	0.05	0.8	4	0.78	16°	50	4	70.53	56.42
HLRS 2008-005-060	0.8	0.05	0.8	6	0.78	16°	50	4	70.53	56.42
HLRS 2008-005-080	0.8	0.05	0.8	8	0.78	16°	50	4	70.53	56.42
HLRS 2008-01-040	0.8	0.1	0.8	4	0.78	16°	50	4	70.53	56.42
HLRS 2008-01-060	0.8	0.1	0.8	6	0.78	16°	50	4	70.53	56.42
HLRS 2008-01-080	0.8	0.1	0.8	8	0.78	16°	50	4	70.53	56.42
HLRS 2008-01-100	0.8	0.1	1.2	10	0.78	16°	50	4	74.30	59.44
HLRS 2008-02-040	0.8	0.2	0.8	4	0.78	16°	50	4	70.53	56.42
HLRS 2008-02-060	0.8	0.2	0.8	6	0.78	16°	50	4	70.53	56.42
HLRS 2008-02-080	0.8	0.2	0.8	8	0.78	16°	50	4	70.53	56.42
HLRS 2010-005-020	1	0.05	1	2	0.95	16°	50	4	59.87	47.90
HLRS 2010-005-030	1	0.05	1	3	0.95	16°	50	4	59.87	47.90
HLRS 2010-005-040	1	0.05	1	4	0.95	16°	50	4	59.87	47.90
HLRS 2010-005-050	1	0.05	1	5	0.95	16°	50	4	59.87	47.90
HLRS 2010-005-060	1	0.05	1	6	0.95	16°	50	4	65.18	52.14
HLRS 2010-005-080	1	0.05	1	8	0.95	16°	50	4	65.18	52.14
HLRS 2010-005-100	1	0.05	1	10	0.95	16°	50	4	65.18	52.14
HLRS 2010-005-120	1	0.05	1	12	0.95	16°	55	4	65.18	52.14
HLRS 2010-005-160	1	0.05	1	16	0.95	16°	60	4	86.50	69.20
HLRS 2010-005-200	1	0.05	1	20	0.95	16°	60	4	95.81	76.65
HLRS 2010-01-020	1	0.1	1	2	0.95	16°	50	4	59.87	47.90
HLRS 2010-01-030	1	0.1	1	3	0.95	16°	50	4	59.87	47.90
HLRS 2010-01-040	1	0.1	1	4	0.95	16°	50	4	59.87	47.90
HLRS 2010-01-050	1	0.1	1	5	0.95	16°	50	4	59.87	47.90
HLRS 2010-01-060	1	0.1	1	6	0.95	16°	50	4	65.18	52.14
HLRS 2010-01-080	1	0.1	1	8	0.95	16°	50	4	65.18	52.14
HLRS 2010-01-100	1	0.1	1	10	0.95	16°	50	4	65.18	52.14
HLRS 2010-01-120	1	0.1	1	12	0.95	16°	55	4	65.18	52.14
HLRS 2010-01-160	1	0.1	1	16	0.95	16°	60	4	86.50	69.20
HLRS 2010-01-200	1	0.1	1	20	0.95	16°	60	4	95.81	76.65
HLRS 2010-02-020	1	0.2	1	2	0.95	16°	50	4	59.87	47.90
HLRS 2010-02-030	1	0.2	1	3	0.95	16°	50	4	59.87	47.90
HLRS 2010-02-040	1	0.2	1	4	0.95	16°	50	4	59.87	47.90
HLRS 2010-02-050	1	0.2	1	5	0.95	16°	50	4	59.87	47.90
HLRS 2010-02-060	1	0.2	1	6	0.95	16°	50	4	65.18	52.14
HLRS 2010-02-080	1	0.2	1	8	0.95	16°	50	4	65.18	52.14
HLRS 2010-02-100	1	0.2	1	10	0.95	16°	50	4	65.18	52.14
HLRS 2010-02-120	1	0.2	1	12	0.95	16°	55	4	65.18	52.14
HLRS 2010-02-160	1	0.2	1	16	0.95	16°	60	4	86.50	69.20
HLRS 2010-02-200	1	0.2	1	20	0.95	16°	60	4	95.81	76.65

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 2010-025-040	1	0.25	1.5	4	0.95	16"	45	4	59,87	<b>47,90</b>
HLRS 2010-025-060	1	0.25	1.5	6	0.95	16"	45	4	65,18	<b>52,14</b>
HLRS 2010-025-080	1	0.25	1.5	8	0.95	16"	45	4	65,18	<b>52,14</b>
HLRS 2010-025-100	1	0.25	1.5	10	0.95	16"	45	4	65,18	<b>52,14</b>
HLRS 2010-025-120	1	0.25	1.5	12	0.95	16"	45	4	65,18	<b>52,14</b>
HLRS 2010-025-160	1	0.25	1.5	16	0.95	16"	50	4	86,50	<b>69,20</b>
HLRS 2010-025-200	1	0.25	1.5	20	0.95	16"	55	4	95,81	<b>76,65</b>
HLRS 2010-03-020	1	0.3	1	2	0.95	16"	50	4	59,87	<b>47,90</b>
HLRS 2010-03-030	1	0.3	1	3	0.95	16"	50	4	59,87	<b>47,90</b>
HLRS 2010-03-040	1	0.3	1	4	0.95	16"	50	4	59,87	<b>47,90</b>
HLRS 2010-03-050	1	0.3	1	5	0.95	16"	50	4	65,18	<b>52,14</b>
HLRS 2010-03-060	1	0.3	1	6	0.95	16"	50	4	65,18	<b>52,14</b>
HLRS 2010-03-080	1	0.3	1	8	0.95	16"	50	4	65,18	<b>52,14</b>
HLRS 2010-03-100	1	0.3	1	10	0.95	16"	50	4	65,18	<b>52,14</b>
HLRS 2010-03-120	1	0.3	1	12	0.95	16"	55	4	65,18	<b>52,14</b>
HLRS 2010-03-160	1	0.3	1	16	0.95	16"	60	4	86,50	<b>69,20</b>
HLRS 2010-03-200	1	0.3	1	20	0.95	16"	60	4	95,81	<b>76,65</b>
HLRS 2012-01-060	1.2	0.1	1.8	6	1.14	16"	45	4	65,18	<b>52,14</b>
HLRS 2012-01-100	1.2	0.1	1.8	10	1.14	16"	45	4	65,18	<b>52,14</b>
HLRS 2012-01-160	1.2	0.1	1.8	16	1.14	16"	50	4	86,50	<b>69,20</b>
HLRS 2012-02-060	1.2	0.2	1.2	6	1.14	16"	50	4	67,42	<b>53,94</b>
HLRS 2012-02-120	1.2	0.2	1.2	12	1.14	16"	55	4	67,42	<b>53,94</b>
HLRS 2012-02-200	1.2	0.2	1.2	20	1.14	16"	60	4	98,88	<b>79,10</b>
HLRS 2012-025-060	1.2	0.25	1.8	6	1.14	16"	45	4	65,18	<b>52,14</b>
HLRS 2012-025-100	1.2	0.25	1.8	10	1.14	16"	45	4	65,18	<b>52,14</b>
HLRS 2012-025-160	1.2	0.25	1.8	16	1.14	16"	50	4	86,50	<b>69,20</b>
HLRS 2012-03-060	1.2	0.3	1.2	6	1.14	16"	50	4	67,42	<b>53,94</b>
HLRS 2012-03-120	1.2	0.3	1.2	12	1.14	16"	55	4	67,42	<b>53,94</b>
HLRS 2012-03-200	1.2	0.3	1.2	20	1.14	16"	60	4	98,88	<b>79,10</b>
HLRS 2014-015-060	1.4	0.15	2.1	6	1.34	16"	45	4	65,18	<b>52,14</b>
HLRS 2014-015-120	1.4	0.15	2.1	12	1.34	16"	45	4	65,18	<b>52,14</b>
HLRS 2014-015-160	1.4	0.15	2.1	16	1.34	16"	50	4	83,39	<b>66,71</b>
HLRS 2015-005-040	1.5	0.05	1.5	4	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-005-060	1.5	0.05	1.5	6	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-005-080	1.5	0.05	1.5	8	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-005-100	1.5	0.05	1.5	10	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-01-040	1.5	0.1	1.5	4	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-01-060	1.5	0.1	1.5	6	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-01-080	1.5	0.1	1.5	8	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-01-100	1.5	0.1	1.5	10	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-01-120	1.5	0.1	1.5	12	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-01-160	1.5	0.1	1.5	16	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-01-200	1.5	0.1	1.5	20	1.45	16"	60	4	67,42	<b>53,94</b>
HLRS 2015-015-060	1.5	0.15	2.3	6	1.45	16"	45	4	65,18	<b>52,14</b>
HLRS 2015-015-080	1.5	0.15	2.3	8	1.45	16"	45	4	65,18	<b>52,14</b>
HLRS 2015-015-100	1.5	0.15	2.3	10	1.45	16"	45	4	65,18	<b>52,14</b>
HLRS 2015-015-120	1.5	0.15	2.3	12	1.45	16"	45	4	65,18	<b>52,14</b>
HLRS 2015-015-160	1.5	0.15	2.3	16	1.45	16"	50	4	72,10	<b>57,68</b>
HLRS 2015-015-200	1.5	0.15	2.3	20	1.45	16"	55	4	72,10	<b>57,68</b>
HLRS 2015-015-300	1.5	0.15	2.3	30	1.45	16"	70	4	101,12	<b>80,90</b>
HLRS 2015-02-040	1.5	0.2	1.5	4	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-02-060	1.5	0.2	1.5	6	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-02-080	1.5	0.2	1.5	8	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-02-100	1.5	0.2	1.5	10	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-02-120	1.5	0.2	1.5	12	1.45	16"	55	4	67,42	<b>53,94</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 2015-02-160	1.5	0.2	1.5	16	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-02-200	1.5	0.2	1.5	20	1.45	16"	60	4	67,42	<b>53,94</b>
HLRS 2015-03-040	1.5	0.3	1.5	4	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-03-060	1.5	0.3	1.5	6	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-03-080	1.5	0.3	1.5	8	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-03-100	1.5	0.3	1.5	10	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-03-120	1.5	0.3	1.5	12	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-03-160	1.5	0.3	1.5	16	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-03-200	1.5	0.3	1.5	20	1.45	16"	60	4	67,42	<b>53,94</b>
HLRS 2015-05-040	1.5	0.5	1.5	4	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-05-060	1.5	0.5	1.5	6	1.45	16"	50	4	63,90	<b>51,12</b>
HLRS 2015-05-080	1.5	0.5	1.5	8	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-05-100	1.5	0.5	1.5	10	1.45	16"	50	4	67,42	<b>53,94</b>
HLRS 2015-05-120	1.5	0.5	1.5	12	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-05-160	1.5	0.5	1.5	16	1.45	16"	55	4	67,42	<b>53,94</b>
HLRS 2015-05-200	1.5	0.5	1.5	20	1.45	16"	60	4	67,42	<b>53,94</b>
HLRS 2015-05-300	1.5	0.5	2.3	30	1.45	16"	70	4	101,12	<b>80,90</b>
HLRS 2018-02-080	1.8	0.2	2.7	8	1.71	16"	45	4	67,42	<b>53,94</b>
HLRS 2018-02-120	1.8	0.2	2.7	12	1.71	16"	45	4	67,42	<b>53,94</b>
HLRS 2018-02-160	1.8	0.2	2.7	16	1.71	16"	50	4	67,42	<b>53,94</b>
HLRS 2018-02-200	1.8	0.2	2.7	20	1.71	16"	55	4	67,42	<b>53,94</b>
HLRS 2020-005-040	2	0.05	2	4	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-005-060	2	0.05	2	6	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-005-080	2	0.05	2	8	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-005-100	2	0.05	2	10	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-01-040	2	0.1	2	4	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-01-060	2	0.1	2	6	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-01-080	2	0.1	2	8	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-01-100	2	0.1	2	10	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-01-120	2	0.1	2	12	1.92	16"	55	4	67,42	<b>53,94</b>
HLRS 2020-01-160	2	0.1	2	16	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-01-200	2	0.1	2	20	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-01-260	2	0.1	2	26	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-01-300	2	0.1	2	30	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-02-040	2	0.2	2	4	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-02-060	2	0.2	2	6	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-02-080	2	0.2	2	8	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-02-100	2	0.2	2	10	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-02-120	2	0.2	2	12	1.92	16"	55	4	67,42	<b>53,94</b>
HLRS 2020-02-160	2	0.2	2	16	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-02-200	2	0.2	2	20	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-02-260	2	0.2	2	26	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-02-300	2	0.2	2	30	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-03-040	2	0.3	2	4	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-03-060	2	0.3	2	6	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-03-080	2	0.3	2	8	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-03-100	2	0.3	2	10	1.92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-03-120	2	0.3	2	12	1.92	16"	55	4	67,42	<b>53,94</b>
HLRS 2020-03-160	2	0.3	2	16	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-03-200	2	0.3	2	20	1.92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-03-260	2	0.3	2	26	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-03-300	2	0.3	2	30	1.92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-05-040	2	0.5	2	4	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-05-060	2	0.5	2	6	1.92	16"	50	4	63,90	<b>51,12</b>
HLRS 2020-05-080	2	0.5	2	8	1.92	16"	50	4	67,42	<b>53,94</b>

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 2020-05-100	2	0,5	2	10	1,92	16"	50	4	67,42	<b>53,94</b>
HLRS 2020-05-120	2	0,5	2	12	1,92	16"	55	4	67,42	<b>53,94</b>
HLRS 2020-05-160	2	0,5	2	16	1,92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-05-200	2	0,5	2	20	1,92	16"	60	4	67,42	<b>53,94</b>
HLRS 2020-05-260	2	0,5	2	26	1,92	16"	70	4	67,42	<b>53,94</b>
HLRS 2020-05-300	2	0,5	2	30	1,92	16"	70	4	67,42	<b>53,94</b>

Alternative / Alternatives

HLRS 4T - 5822 2T



LA PROMOZIONE PROPONE UN ESTRATTO DI QUESTA LINEA. PER VEDERE LA GAMMA COMPLETA UTILIZZA IL CODICE QR.

## HLRS

Die Mould line - High speed machining



### FRESA TORICA 4T PER NERVATURE / 4 FLUTES CORNER

RADIUS END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES D 0,2 - 6



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 4020-002-040	2	0,02	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-002-060	2	0,02	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-002-080	2	0,02	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-002-100	2	0,02	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-002-120	2	0,02	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-002-160	2	0,02	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-002-200	2	0,02	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-005-040	2	0,05	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-005-060	2	0,05	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-005-080	2	0,05	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-005-100	2	0,05	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-005-120	2	0,05	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-005-160	2	0,05	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-005-200	2	0,05	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-01-040	2	0,1	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-01-060	2	0,1	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-01-080	2	0,1	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-01-100	2	0,1	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-01-120	2	0,1	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-01-160	2	0,1	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-01-200	2	0,1	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-01-240	2	0,1	1,6	24	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4020-02-040	2	0,2	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 4020-02-060	2	0,2	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-02-080	2	0,2	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-02-100	2	0,2	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-02-120	2	0,2	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-02-160	2	0,2	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-02-200	2	0,2	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-02-240	2	0,2	1,6	24	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4020-03-040	2	0,3	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-03-060	2	0,3	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-03-080	2	0,3	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-03-100	2	0,3	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-03-120	2	0,3	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-03-160	2	0,3	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-03-200	2	0,3	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-03-240	2	0,3	1,6	24	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4020-05-040	2	0,5	1,6	4	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-05-060	2	0,5	1,6	6	1,92	16"	50	4	72,60	<b>58,08</b>
HLRS 4020-05-080	2	0,5	1,6	8	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-05-100	2	0,5	1,6	10	1,92	16"	50	4	75,45	<b>60,36</b>
HLRS 4020-05-120	2	0,5	1,6	12	1,92	16"	55	4	75,45	<b>60,36</b>
HLRS 4020-05-160	2	0,5	1,6	16	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-05-200	2	0,5	1,6	20	1,92	16"	60	4	75,45	<b>60,36</b>
HLRS 4020-05-240	2	0,5	1,6	24	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4020-05-260	2	0,5	1,6	26	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4020-05-300	2	0,5	1,6	30	1,92	16"	70	4	75,45	<b>60,36</b>
HLRS 4025-01-060	2,5	0,1	2	6	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-01-080	2,5	0,1	2	8	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-01-100	2,5	0,1	2	10	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-01-160	2,5	0,1	2	16	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-01-200	2,5	0,1	2	20	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-01-300	2,5	0,1	2	30	2,42	16"	70	4	84,94	<b>67,95</b>
HLRS 4025-02-060	2,5	0,2	2	6	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-02-080	2,5	0,2	2	8	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-02-100	2,5	0,2	2	10	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-02-160	2,5	0,2	2	16	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-02-200	2,5	0,2	2	20	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-02-300	2,5	0,2	2	30	2,42	16"	70	4	84,94	<b>67,95</b>
HLRS 4025-03-060	2,5	0,3	2	6	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-03-080	2,5	0,3	2	8	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-03-100	2,5	0,3	2	10	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-03-160	2,5	0,3	2	16	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-03-200	2,5	0,3	2	20	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-03-300	2,5	0,3	2	30	2,42	16"	70	4	84,94	<b>67,95</b>
HLRS 4025-05-060	2,5	0,5	2	6	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-05-080	2,5	0,5	2	8	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-05-100	2,5	0,5	2	10	2,42	16"	50	4	79,24	<b>63,39</b>
HLRS 4025-05-160	2,5	0,5	2	16	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-05-200	2,5	0,5	2	20	2,42	16"	60	4	82,06	<b>65,65</b>
HLRS 4025-05-300	2,5	0,5	2	30	2,42	16"	70	4	84,94	<b>67,95</b>
HLRS 4030-005-040	3	0,05	2,4	4	2,92	16"	55	6	65,45	<b>52,36</b>
HLRS 4030-005-060	3	0,05	2,4	6	2,92	16"	55	6	65,45	<b>52,36</b>
HLRS 4030-005-080	3	0,05	2,4	8	2,92	16"	55	6	65,45	<b>52,36</b>
HLRS 4030-005-100	3	0,05	2,4	10	2,92	16"	55	6	65,45	<b>52,36</b>
HLRS 4030-005-120	3	0,05	2,4	12	2,92	16"	55	6	79,24	<b>63,39</b>
HLRS 4030-005-160	3	0,05	2,4	16	2,92	16"	60	6	97,72	<b>78,18</b>

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 4030-005-200	3	0.05	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-01-040	3	0.1	2.4	4	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-01-060	3	0.1	2.4	6	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-01-080	3	0.1	2.4	8	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-01-100	3	0.1	2.4	10	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-01-120	3	0.1	2.4	12	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-01-160	3	0.1	2.4	16	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-01-180	3	0.1	2.4	18	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-01-200	3	0.1	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-01-240	3	0.1	2.4	24	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-01-260	3	0.1	2.4	26	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-01-300	3	0.1	2.4	30	2.92	16°	70	6	110,54	<b>88,43</b>
HLRS 4030-02-040	3	0.2	2.4	4	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-02-060	3	0.2	2.4	6	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-02-080	3	0.2	2.4	8	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-02-100	3	0.2	2.4	10	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-02-120	3	0.2	2.4	12	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-02-160	3	0.2	2.4	16	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-02-180	3	0.2	2.4	18	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-02-200	3	0.2	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-02-240	3	0.2	2.4	24	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-02-260	3	0.2	2.4	26	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-02-300	3	0.2	2.4	30	2.92	16°	70	6	110,54	<b>88,43</b>
HLRS 4030-02-360	3	0.2	2.4	36	2.92	16°	80	6	110,54	<b>88,43</b>
HLRS 4030-03-040	3	0.3	2.4	4	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-03-060	3	0.3	2.4	6	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-03-080	3	0.3	2.4	8	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-03-100	3	0.3	2.4	10	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-03-120	3	0.3	2.4	12	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-03-140	3	0.3	2.4	14	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-03-160	3	0.3	2.4	16	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-03-200	3	0.3	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-03-240	3	0.3	2.4	24	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-03-260	3	0.3	2.4	26	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-03-300	3	0.3	2.4	30	2.92	16°	70	6	110,54	<b>88,43</b>
HLRS 4030-03-360	3	0.3	2.4	36	2.92	16°	80	6	110,54	<b>88,43</b>
HLRS 4030-05-040	3	0.5	2.4	4	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-05-060	3	0.5	2.4	6	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-05-080	3	0.5	2.4	8	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-05-100	3	0.5	2.4	10	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-05-120	3	0.5	2.4	12	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-05-160	3	0.5	2.4	16	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-05-200	3	0.5	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-05-240	3	0.5	2.4	24	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-05-260	3	0.5	2.4	26	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-05-300	3	0.5	2.4	30	2.92	16°	70	6	110,54	<b>88,43</b>
HLRS 4030-05-360	3	0.5	2.4	36	2.92	16°	80	6	110,54	<b>88,43</b>
HLRS 4030-10-060	3	1	2.4	6	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-10-080	3	1	2.4	8	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-10-100	3	1	2.4	10	2.92	16°	55	6	65,45	<b>52,36</b>
HLRS 4030-10-120	3	1	2.4	12	2.92	16°	55	6	79,24	<b>63,39</b>
HLRS 4030-10-160	3	1	2.4	16	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-10-200	3	1	2.4	20	2.92	16°	60	6	97,72	<b>78,18</b>
HLRS 4030-10-240	3	1	2.4	24	2.92	16°	70	6	97,72	<b>78,18</b>
HLRS 4030-10-260	3	1	2.4	26	2.92	16°	70	6	97,72	<b>78,18</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 4030-10-300	3	1	2.4	30	2.92	16°	70	6	110,54	<b>88,43</b>
HLRS 4030-10-360	3	1	2.4	36	2.92	16°	80	6	110,54	<b>88,43</b>
HLRS 4040-005-080	4	0.05	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-005-120	4	0.05	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-005-160	4	0.05	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-005-200	4	0.05	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-005-240	4	0.05	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-005-320	4	0.05	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-01-080	4	0.1	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-01-120	4	0.1	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-01-160	4	0.1	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-01-200	4	0.1	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-01-240	4	0.1	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-01-320	4	0.1	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-01-480	4	0.1	3.2	48	3.82	16°	100	6	173,10	<b>138,48</b>
HLRS 4040-02-080	4	0.2	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-02-120	4	0.2	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-02-160	4	0.2	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-02-200	4	0.2	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-02-240	4	0.2	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-02-320	4	0.2	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-02-480	4	0.2	3.2	48	3.82	16°	100	6	173,10	<b>138,48</b>
HLRS 4040-03-080	4	0.3	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-03-120	4	0.3	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-03-140	4	0.3	3.2	14	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-03-160	4	0.3	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-03-200	4	0.3	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-03-240	4	0.3	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-03-320	4	0.3	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-03-480	4	0.3	3.2	48	3.82	16°	100	6	173,10	<b>138,48</b>
HLRS 4040-05-080	4	0.5	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-05-120	4	0.5	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-05-160	4	0.5	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-05-200	4	0.5	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-05-240	4	0.5	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-05-320	4	0.5	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-05-400	4	0.5	3.2	40	3.82	16°	100	6	161,11	<b>128,89</b>
HLRS 4040-05-480	4	0.5	3.2	48	3.82	16°	100	6	173,10	<b>138,48</b>
HLRS 4040-10-080	4	1	3.2	8	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-10-120	4	1	3.2	12	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-10-160	4	1	3.2	16	3.82	16°	65	6	97,72	<b>78,18</b>
HLRS 4040-10-200	4	1	3.2	20	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-10-240	4	1	3.2	24	3.82	16°	70	6	108,66	<b>86,93</b>
HLRS 4040-10-320	4	1	3.2	32	3.82	16°	80	6	108,66	<b>86,93</b>
HLRS 4040-10-480	4	1	3.2	48	3.82	16°	100	6	173,10	<b>138,48</b>
HLRS 4050-005-160	5	0.05	4	16	4.82	16°	65	6	131,66	<b>105,33</b>
HLRS 4050-005-200	5	0.05	4	20	4.82	16°	70	6	128,91	<b>103,13</b>
HLRS 4050-005-400	5	0.05	4	40	4.82	16°	100	6	161,11	<b>128,89</b>
HLRS 4050-01-160	5	0.1	4	16	4.82	16°	65	6	131,66	<b>105,33</b>
HLRS 4050-01-200	5	0.1	4	20	4.82	16°	70	6	128,91	<b>103,13</b>
HLRS 4050-01-400	5	0.1	4	40	4.82	16°	100	6	161,11	<b>128,89</b>
HLRS 4050-02-160	5	0.2	4	16	4.82	16°	65	6	131,66	<b>105,33</b>
HLRS 4050-02-200	5	0.2	4	20	4.82	16°	70	6	131,66	<b>105,33</b>
HLRS 4050-02-400	5	0.2	4	40	4.82	16°	100	6	161,11	<b>128,89</b>
HLRS 4050-03-160	5	0.3	4	16	4.82	16°	65	6	131,66	<b>105,33</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HLRS 4050-03-200	5	0.3	4	20	4.82	16°	70	6	131,66	105,33
HLRS 4050-03-400	5	0.3	4	40	4.82	16°	100	6	161,11	128,89
HLRS 4050-05-160	5	0.5	4	16	4.82	16°	65	6	131,66	105,33
HLRS 4050-05-200	5	0.5	4	20	4.82	16°	70	6	131,66	105,33
HLRS 4050-05-400	5	0.5	4	40	4.82	16°	100	6	161,11	128,89
HLRS 4050-10-160	5	1	4	16	4.82	16°	65	6	131,66	105,33
HLRS 4050-10-200	5	1	4	20	4.82	16°	70	6	131,66	105,33
HLRS 4050-10-400	5	1	4	40	4.82	16°	100	6	161,11	128,89
HLRS 4060-005-120	6	0.05	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-005-160	6	0.05	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-005-200	6	0.05	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-005-240	6	0.05	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-005-300	6	0.05	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-005-480	6	0.05	4.8	48	5.82	-	120	6	221,07	176,86
HLRS 4060-01-120	6	0.1	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-01-160	6	0.1	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-01-180	6	0.1	4.8	18	5.82	-	70	6	141,87	113,50
HLRS 4060-01-200	6	0.1	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-01-240	6	0.1	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-01-300	6	0.1	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-01-480	6	0.1	4.8	48	5.82	-	120	6	221,07	176,86
HLRS 4060-02-120	6	0.2	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-02-160	6	0.2	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-02-180	6	0.2	4.8	18	5.82	-	70	6	141,87	113,50
HLRS 4060-02-200	6	0.2	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-02-240	6	0.2	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-02-300	6	0.2	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-02-480	6	0.2	4.8	48	5.82	-	120	6	221,07	176,86
HLRS 4060-03-120	6	0.3	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-03-160	6	0.3	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-03-180	6	0.3	4.8	18	5.82	-	70	6	141,87	113,50
HLRS 4060-03-200	6	0.3	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-03-240	6	0.3	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-03-300	6	0.3	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-03-480	6	0.3	4.8	48	5.82	-	120	6	221,07	176,86
HLRS 4060-05-120	6	0.5	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-05-160	6	0.5	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-05-180	6	0.5	4.8	18	5.82	-	70	6	141,87	113,50
HLRS 4060-05-200	6	0.5	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-05-240	6	0.5	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-05-300	6	0.5	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-05-400	6	0.5	4.8	40	5.82	-	100	6	166,06	132,85
HLRS 4060-05-480	6	0.5	4.8	48	5.82	-	120	6	221,07	176,86
HLRS 4060-10-120	6	1	4.8	12	5.82	-	65	6	141,87	113,50
HLRS 4060-10-160	6	1	4.8	16	5.82	-	65	6	141,87	113,50
HLRS 4060-10-180	6	1	4.8	18	5.82	-	70	6	141,87	113,50
HLRS 4060-10-200	6	1	4.8	20	5.82	-	70	6	141,87	113,50
HLRS 4060-10-240	6	1	4.8	24	5.82	-	70	6	141,87	113,50
HLRS 4060-10-300	6	1	4.8	30	5.82	-	100	6	166,06	132,85
HLRS 4060-10-400	6	1	4.8	40	5.82	-	100	6	166,06	132,85
HLRS 4060-10-480	6	1	4.8	48	5.82	-	120	6	221,07	176,86

## HGLRS

Die Mould line - High speed machining

### FRESA TORICA 4T PER NERVATURE / 4 FLUTES CORNER RADIUS END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES **D 0,2 - 6**



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLRS 4002-002-005	0.2	0.02	0.12	0.5	0.185	16°	50	4	148,24	118,59
HGLRS 4002-002-010	0.2	0.02	0.12	1	0.185	16°	50	4	148,24	118,59
HGLRS 4002-002-020	0.2	0.02	0.12	2	0.185	16°	50	4	148,24	118,59
HGLRS 4002-005-005	0.2	0.05	0.12	0.5	0.185	16°	50	4	148,24	118,59
HGLRS 4002-005-010	0.2	0.05	0.12	1	0.185	16°	50	4	148,24	118,59
HGLRS 4002-005-020	0.2	0.05	0.12	2	0.185	16°	50	4	148,24	118,59
HGLRS 4003-002-005	0.3	0.02	0.18	0.5	0.285	16°	50	4	148,24	118,59
HGLRS 4003-002-010	0.3	0.02	0.18	1	0.285	16°	50	4	148,24	118,59
HGLRS 4003-002-015	0.3	0.02	0.18	1.5	0.285	16°	50	4	148,24	118,59
HGLRS 4003-002-020	0.3	0.02	0.18	2	0.285	16°	50	4	148,24	118,59
HGLRS 4003-005-005	0.3	0.05	0.18	0.5	0.285	16°	50	4	148,24	118,59
HGLRS 4003-005-010	0.3	0.05	0.18	1	0.285	16°	50	4	148,24	118,59
HGLRS 4003-005-020	0.3	0.05	0.18	2	0.285	16°	50	4	148,24	118,59
HGLRS 4004-002-010	0.4	0.02	0.24	1	0.385	16°	50	4	95,38	76,30
HGLRS 4004-002-020	0.4	0.02	0.24	2	0.385	16°	50	4	95,38	76,30
HGLRS 4004-005-010	0.4	0.05	0.24	1	0.385	16°	50	4	95,38	76,30
HGLRS 4004-005-020	0.4	0.05	0.24	2	0.385	16°	50	4	95,38	76,30
HGLRS 4004-01-010	0.4	0.1	0.24	1	0.385	16°	50	4	95,38	76,30
HGLRS 4004-01-020	0.4	0.1	0.24	2	0.385	16°	50	4	95,38	76,30
HGLRS 4005-002-010	0.5	0.02	0.3	1	0.485	16°	50	4	77,37	61,90
HGLRS 4005-002-020	0.5	0.02	0.3	2	0.485	16°	50	4	77,37	61,90
HGLRS 4005-002-030	0.5	0.02	0.3	3	0.485	16°	50	4	77,37	61,90
HGLRS 4005-005-010	0.5	0.05	0.3	1	0.485	16°	50	4	77,37	61,90
HGLRS 4005-005-020	0.5	0.05	0.3	2	0.485	16°	50	4	77,37	61,90
HGLRS 4005-005-030	0.5	0.05	0.3	3	0.485	16°	50	4	77,37	61,90
HGLRS 4005-01-010	0.5	0.1	0.3	1	0.485	16°	50	4	77,37	61,90
HGLRS 4005-01-020	0.5	0.1	0.3	2	0.485	16°	50	4	77,37	61,90
HGLRS 4005-01-030	0.5	0.1	0.3	3	0.485	16°	50	4	77,37	61,90
HGLRS 4006-005-020	0.6	0.05	0.36	2	0.585	16°	50	4	77,37	61,90
HGLRS 4006-005-040	0.6	0.05	0.36	4	0.585	16°	50	4	77,37	61,90
HGLRS 4006-01-020	0.6	0.1	0.36	2	0.585	16°	50	4	77,37	61,90
HGLRS 4006-01-040	0.6	0.1	0.36	4	0.585	16°	50	4	77,37	61,90
HGLRS 4008-005-020	0.8	0.05	0.48	2	0.78	16°	50	4	85,04	68,03
HGLRS 4008-005-040	0.8	0.05	0.48	4	0.78	16°	50	4	88,29	70,63
HGLRS 4008-005-060	0.8	0.05	0.48	6	0.78	16°	50	4	88,29	70,63
HGLRS 4008-01-020	0.8	0.1	0.48	2	0.78	16°	50	4	85,04	68,03
HGLRS 4008-01-040	0.8	0.1	0.48	4	0.78	16°	50	4	88,29	70,63
HGLRS 4008-01-060	0.8	0.1	0.48	6	0.78	16°	50	4	88,29	70,63

LA PROMOZIONE PROPONE UN ESTRATTO DI QUESTA LINEA. PER VEDERE LA GAMMA COMPLETA UTILIZZA IL CODICE QR.

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLRS 4008-02-020	0.8	0.2	0.48	2	0.78	16"	50	4	85.04	<b>68,03</b>
HGLRS 4008-02-040	0.8	0.2	0.48	4	0.78	16"	50	4	88.29	<b>70,63</b>
HGLRS 4008-02-060	0.8	0.2	0.48	6	0.78	16"	50	4	88.29	<b>70,63</b>
HGLRS 4010-002-020	1	0.02	0.8	2	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-002-030	1	0.02	0.8	3	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-002-040	1	0.02	0.8	4	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-002-050	1	0.02	0.8	5	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-005-020	1	0.05	0.8	2	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-005-030	1	0.05	0.8	3	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-005-040	1	0.05	0.8	4	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-005-050	1	0.05	0.8	5	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-005-060	1	0.05	0.8	6	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-005-080	1	0.05	0.8	8	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-005-100	1	0.05	0.8	10	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-01-020	1	0.1	0.8	2	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-01-030	1	0.1	0.8	3	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-01-040	1	0.1	0.8	4	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-01-050	1	0.1	0.8	5	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-01-060	1	0.1	0.8	6	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-01-080	1	0.1	0.8	8	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-01-100	1	0.1	0.8	10	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-02-020	1	0.2	0.8	2	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-02-030	1	0.2	0.8	3	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-02-040	1	0.2	0.8	4	0.98	16"	50	4	77.95	<b>62,36</b>
HGLRS 4010-02-050	1	0.2	0.8	5	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-02-060	1	0.2	0.8	6	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-02-080	1	0.2	0.8	8	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4010-02-100	1	0.2	0.8	10	0.98	16"	50	4	85.04	<b>68,03</b>
HGLRS 4015-005-030	1.5	0.05	1.2	3	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-005-040	1.5	0.05	1.2	4	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-005-060	1.5	0.05	1.2	6	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-005-080	1.5	0.05	1.2	8	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-005-100	1.5	0.05	1.2	10	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-01-030	1.5	0.1	1.2	3	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-01-040	1.5	0.1	1.2	4	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-01-060	1.5	0.1	1.2	6	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-01-080	1.5	0.1	1.2	8	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-01-100	1.5	0.1	1.2	10	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-01-120	1.5	0.1	1.2	12	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-02-030	1.5	0.2	1.2	3	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-02-040	1.5	0.2	1.2	4	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-02-060	1.5	0.2	1.2	6	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-02-080	1.5	0.2	1.2	8	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-02-100	1.5	0.2	1.2	10	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-02-120	1.5	0.2	1.2	12	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-03-030	1.5	0.3	1.2	3	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-03-040	1.5	0.3	1.2	4	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-03-060	1.5	0.3	1.2	6	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-03-080	1.5	0.3	1.2	8	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-03-100	1.5	0.3	1.2	10	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-03-120	1.5	0.3	1.2	12	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-05-040	1.5	0.5	1.2	4	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-05-060	1.5	0.5	1.2	6	1.48	16"	50	4	83.39	<b>66,71</b>
HGLRS 4015-05-080	1.5	0.5	1.2	8	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4015-05-100	1.5	0.5	1.2	10	1.48	16"	50	4	86.11	<b>68,89</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLRS 4015-05-120	1.5	0.5	1.2	12	1.48	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-002-040	2	0.02	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-002-060	2	0.02	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-002-080	2	0.02	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-002-100	2	0.02	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-005-040	2	0.05	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-005-060	2	0.05	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-005-080	2	0.05	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-005-100	2	0.05	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-01-040	2	0.1	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-01-060	2	0.1	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-01-080	2	0.1	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-01-100	2	0.1	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-01-120	2	0.1	1.6	12	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-01-160	2	0.1	1.6	16	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-01-200	2	0.1	1.6	20	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-02-040	2	0.2	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-02-060	2	0.2	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-02-080	2	0.2	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-02-100	2	0.2	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-02-120	2	0.2	1.6	12	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-02-160	2	0.2	1.6	16	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-02-200	2	0.2	1.6	20	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-03-040	2	0.3	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-03-060	2	0.3	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-03-080	2	0.3	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-03-100	2	0.3	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-03-120	2	0.3	1.6	12	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-03-160	2	0.3	1.6	16	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-03-200	2	0.3	1.6	20	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-05-040	2	0.5	1.6	4	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-05-060	2	0.5	1.6	6	1.96	16"	50	4	83.39	<b>66,71</b>
HGLRS 4020-05-080	2	0.5	1.6	8	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-05-100	2	0.5	1.6	10	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-05-120	2	0.5	1.6	12	1.96	16"	50	4	86.11	<b>68,89</b>
HGLRS 4020-05-160	2	0.5	1.6	16	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4020-05-200	2	0.5	1.6	20	1.96	16"	60	4	86.11	<b>68,89</b>
HGLRS 4030-005-040	3	0.05	2.4	4	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-005-060	3	0.05	2.4	6	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-005-080	3	0.05	2.4	8	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-005-100	3	0.05	2.4	10	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-005-120	3	0.05	2.4	12	2.87	16"	50	6	90.48	<b>72,38</b>
HGLRS 4030-005-160	3	0.05	2.4	16	2.87	16"	60	6	111.73	<b>89,38</b>
HGLRS 4030-005-200	3	0.05	2.4	20	2.87	16"	60	6	111.73	<b>89,38</b>
HGLRS 4030-01-040	3	0.1	2.4	4	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-01-060	3	0.1	2.4	6	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-01-080	3	0.1	2.4	8	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-01-100	3	0.1	2.4	10	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-01-120	3	0.1	2.4	12	2.87	16"	50	6	90.48	<b>72,38</b>
HGLRS 4030-01-160	3	0.1	2.4	16	2.87	16"	60	6	111.73	<b>89,38</b>
HGLRS 4030-01-200	3	0.1	2.4	20	2.87	16"	60	6	111.73	<b>89,38</b>
HGLRS 4030-02-040	3	0.2	2.4	4	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-02-060	3	0.2	2.4	6	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-02-080	3	0.2	2.4	8	2.87	16"	50	6	74.65	<b>59,72</b>
HGLRS 4030-02-100	3	0.2	2.4	10	2.87	16"	50	6	74.65	<b>59,72</b>

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLRS 4030-02-120	3	0.2	2.4	12	2.87	16"	50	6	90,48	<b>72,38</b>
HGLRS 4030-02-160	3	0.2	2.4	16	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-02-200	3	0.2	2.4	20	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-03-040	3	0.3	2.4	4	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-03-060	3	0.3	2.4	6	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-03-080	3	0.3	2.4	8	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-03-100	3	0.3	2.4	10	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-03-120	3	0.3	2.4	12	2.87	16"	50	6	90,48	<b>72,38</b>
HGLRS 4030-03-160	3	0.3	2.4	16	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-03-200	3	0.3	2.4	20	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-05-040	3	0.5	2.4	4	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-05-060	3	0.5	2.4	6	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-05-080	3	0.5	2.4	8	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-05-100	3	0.5	2.4	10	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-05-120	3	0.5	2.4	12	2.87	16"	50	6	90,48	<b>72,38</b>
HGLRS 4030-05-160	3	0.5	2.4	16	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-05-200	3	0.5	2.4	20	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-10-060	3	1	2.4	6	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-10-080	3	1	2.4	8	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-10-100	3	1	2.4	10	2.87	16"	50	6	74,65	<b>59,72</b>
HGLRS 4030-10-120	3	1	2.4	12	2.87	16"	50	6	90,48	<b>72,38</b>
HGLRS 4030-10-160	3	1	2.4	16	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4030-10-200	3	1	2.4	20	2.87	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-005-080	4	0.05	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-005-120	4	0.05	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-005-160	4	0.05	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-005-200	4	0.05	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-01-080	4	0.1	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-01-120	4	0.1	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-01-160	4	0.1	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-01-200	4	0.1	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-01-240	4	0.1	3.2	24	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-01-300	4	0.1	3.2	30	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-02-080	4	0.2	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-02-120	4	0.2	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-02-160	4	0.2	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-02-200	4	0.2	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-02-240	4	0.2	3.2	24	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-02-300	4	0.2	3.2	30	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-03-080	4	0.3	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-03-120	4	0.3	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-03-160	4	0.3	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-03-200	4	0.3	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-03-240	4	0.3	3.2	24	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-03-300	4	0.3	3.2	30	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-05-080	4	0.5	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-05-120	4	0.5	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-05-160	4	0.5	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-05-200	4	0.5	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-05-240	4	0.5	3.2	24	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-05-300	4	0.5	3.2	30	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-10-080	4	1	3.2	8	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-10-120	4	1	3.2	12	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-10-160	4	1	3.2	16	3.77	16"	60	6	111,73	<b>89,38</b>
HGLRS 4040-10-200	4	1	3.2	20	3.77	16"	70	6	124,26	<b>99,41</b>

Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLRS 4040-10-240	4	1	3.2	24	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4040-10-300	4	1	3.2	30	3.77	16"	70	6	124,26	<b>99,41</b>
HGLRS 4060-01-120	6	0.1	4.8	12	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-01-160	6	0.1	4.8	16	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-01-200	6	0.1	4.8	20	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-01-240	6	0.1	4.8	24	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-01-300	6	0.1	4.8	30	5.77	-	100	6	189,68	<b>151,74</b>
HGLRS 4060-02-120	6	0.2	4.8	12	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-02-160	6	0.2	4.8	16	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-02-200	6	0.2	4.8	20	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-02-240	6	0.2	4.8	24	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-02-300	6	0.2	4.8	30	5.77	-	100	6	189,68	<b>151,74</b>
HGLRS 4060-03-120	6	0.3	4.8	12	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-03-160	6	0.3	4.8	16	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-03-200	6	0.3	4.8	20	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-03-240	6	0.3	4.8	24	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-03-300	6	0.3	4.8	30	5.77	-	100	6	189,68	<b>151,74</b>
HGLRS 4060-05-120	6	0.5	4.8	12	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-05-160	6	0.5	4.8	16	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-05-200	6	0.5	4.8	20	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-05-240	6	0.5	4.8	24	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-05-300	6	0.5	4.8	30	5.77	-	100	6	189,11	<b>151,29</b>
HGLRS 4060-10-120	6	1	4.8	12	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-10-160	6	1	4.8	16	5.77	-	60	6	161,87	<b>129,50</b>
HGLRS 4060-10-200	6	1	4.8	20	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-10-240	6	1	4.8	24	5.77	-	70	6	161,87	<b>129,50</b>
HGLRS 4060-10-300	6	1	4.8	30	5.77	-	100	6	189,11	<b>151,29</b>

## CXERS Super Alloy line



**FRESA TORICA 4T SERIE CORTA - GV / 4 FLUTES CORNER**  
**RADIUS END MILL, SHORT SERIES - GV**  
**MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12**



Cod.	øD	CR	l	Bta	L	ød	Listino	Promo
CXERS 4010-01-025	1	0.1	2.5	16°	50	4	69,88	<b>55,90</b>
CXERS 4010-02-025	1	0.2	2.5	16°	50	4	69,88	<b>55,90</b>
CXERS 4010-03-025	1	0.3	2.5	16°	50	4	74,50	<b>59,60</b>
CXERS 4015-01-0375	1.5	0.1	3.75	16°	50	4	69,88	<b>55,90</b>
CXERS 4015-02-0375	1.5	0.2	3.75	16°	50	4	69,88	<b>55,90</b>
CXERS 4015-03-0375	1.5	0.3	3.75	16°	50	4	74,50	<b>59,60</b>
CXERS 4020-01-050	2	0.1	5	16°	50	4	65,49	<b>52,39</b>
CXERS 4020-02-050	2	0.2	5	16°	50	4	65,49	<b>52,39</b>
CXERS 4020-03-050	2	0.3	5	16°	50	4	69,88	<b>55,90</b>
CXERS 4020-05-050	2	0.5	5	16°	50	4	69,88	<b>55,90</b>
CXERS 4025-03-0625	2.5	0.3	6.25	16°	50	4	69,88	<b>55,90</b>
CXERS 4025-05-0625	2.5	0.5	6.25	16°	50	4	69,88	<b>55,90</b>
CXERS 4030-02-075	3	0.2	7.5	16°	60	6	75,08	<b>60,06</b>
CXERS 4030-03-075	3	0.3	7.5	16°	60	6	80,20	<b>64,16</b>
CXERS 4030-05-075	3	0.5	7.5	16°	60	6	80,20	<b>64,16</b>
CXERS 4040-02-100	4	0.2	10	16°	60	6	78,87	<b>63,10</b>
CXERS 4040-03-100	4	0.3	10	16°	60	6	84,16	<b>67,33</b>
CXERS 4040-04-100	4	0.4	10	16°	60	6	84,16	<b>67,33</b>
CXERS 4040-05-100	4	0.5	10	16°	60	6	84,16	<b>67,33</b>
CXERS 4040-10-100	4	1	10	16°	60	6	84,16	<b>67,33</b>
CXERS 4050-02-125	5	0.2	12.5	16°	60	6	84,71	<b>67,77</b>
CXERS 4050-03-125	5	0.3	12.5	16°	60	6	90,51	<b>72,41</b>
CXERS 4050-04-125	5	0.4	12.5	16°	60	6	90,51	<b>72,41</b>
CXERS 4050-05-125	5	0.5	12.5	16°	60	6	90,51	<b>72,41</b>
CXERS 4050-10-125	5	1	12.5	16°	60	6	90,51	<b>72,41</b>
CXERS 4060-02-150	6	0.2	15	-	60	6	88,41	<b>70,73</b>
CXERS 4060-03-150	6	0.3	15	-	60	6	88,41	<b>70,73</b>
CXERS 4060-04-150	6	0.4	15	-	60	6	96,87	<b>77,50</b>
CXERS 4060-05-150	6	0.5	15	-	60	6	96,87	<b>77,50</b>
CXERS 4060-10-150	6	1	15	-	60	6	96,87	<b>77,50</b>
CXERS 4060-12-150	6	1.2	15	-	60	6	96,87	<b>77,50</b>
CXERS 4080-02-200	8	0.2	20	-	70	8	112,22	<b>89,78</b>
CXERS 4080-03-200	8	0.3	20	-	70	8	112,22	<b>89,78</b>
CXERS 4080-04-200	8	0.4	20	-	70	8	120,69	<b>96,55</b>
CXERS 4080-05-200	8	0.5	20	-	70	8	120,69	<b>96,55</b>
CXERS 4080-10-200	8	1	20	-	70	8	120,69	<b>96,55</b>

Cod.	øD	CR	l	Bta	L	ød	Listino	Promo
CXERS 4080-12-200	8	1.2	20	-	70	8	120,69	<b>96,55</b>
CXERS 4080-15-200	8	1.5	20	-	70	8	120,69	<b>96,55</b>
CXERS 4080-20-200	8	2	20	-	70	8	120,69	<b>96,55</b>
CXERS 4100-02-250	10	0.2	25	-	80	10	133,92	<b>107,14</b>
CXERS 4100-03-250	10	0.3	25	-	80	10	133,92	<b>107,14</b>
CXERS 4100-04-250	10	0.4	25	-	80	10	142,94	<b>114,35</b>
CXERS 4100-05-250	10	0.5	25	-	80	10	142,94	<b>114,35</b>
CXERS 4100-10-250	10	1	25	-	80	10	142,94	<b>114,35</b>
CXERS 4100-12-250	10	1.2	25	-	80	10	142,94	<b>114,35</b>
CXERS 4100-15-250	10	1.5	25	-	80	10	142,94	<b>114,35</b>
CXERS 4100-20-250	10	2	25	-	80	10	142,94	<b>114,35</b>
CXERS 4120-02-300	12	0.2	30	-	100	12	191,64	<b>153,31</b>
CXERS 4120-03-300	12	0.3	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-04-300	12	0.4	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-05-300	12	0.5	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-10-300	12	1	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-12-300	12	1.2	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-15-300	12	1.5	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-20-300	12	2	30	-	100	12	204,32	<b>163,46</b>
CXERS 4120-30-300	12	3	30	-	100	12	204,32	<b>163,46</b>

## 7834 Performance line

**FRESA TORICA 4T A SGROSSARE SCARICATA - GV, HFRM**  
4 FLUTES CORNER RADIUS ROUGHING END MILL, UNDERCUT - GV, HFRM

MISURE DISPONIBILI / AVAILABLE SIZES **D 2 - 12**



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
7834-020-050-060	2	0.5	2	6	1.90	15°	45	4	59,07	<b>47,26</b>
7834-030-050-120	3	0.5	3	12	2.89	15°	60	6	59,07	<b>47,26</b>
7834-040-030-080	4	0.3	4	8	3.79	15°	50	6	56,99	<b>45,59</b>
7834-040-030-120	4	0.3	4	12	3.79	15°	50	6	76,19	<b>60,95</b>
7834-040-030-200	4	0.3	4	20	3.79	15°	50	6	76,19	<b>60,95</b>
7834-040-050-120	4	0.5	4	12	3.79	15°	50	6	59,07	<b>47,26</b>
7834-040-050-160	4	0.5	4	16	3.79	15°	60	6	59,07	<b>47,26</b>
7834-060-050-180	6	0.5	6	18	5.81	-	60	6	63,23	<b>50,58</b>
7834-060-050-240L	6	0.5	6	24	5.81	-	90	6	75,78	<b>60,62</b>
7834-060-100-180	6	1	6	18	5.81	-	60	6	63,23	<b>50,58</b>
7834-060-100-240L	6	1	6	24	5.81	-	90	6	75,78	<b>60,62</b>
7834-080-050-260	8	0.5	8	26	7.74	-	70	8	87,78	<b>70,22</b>
7834-080-050-320L	8	0.5	8	32	7.74	-	100	8	106,08	<b>84,86</b>
7834-080-100-260	8	1	8	26	7.74	-	70	8	87,78	<b>70,22</b>
7834-080-100-320L	8	1	8	32	7.74	-	100	8	106,08	<b>84,86</b>
7834-080-150-240	8	1.5	8	24	7.74	-	70	8	87,78	<b>70,22</b>
7834-080-150-320L	8	1.5	8	32	7.74	-	100	8	106,08	<b>84,86</b>
7834-080-200-240	8	2	8	24	7.74	-	70	8	87,78	<b>70,22</b>
7834-080-200-320L	8	2	8	32	7.74	-	100	8	106,08	<b>84,86</b>
7834-100-050-300	10	0.5	10	30	9.74	-	80	10	116,03	<b>92,82</b>
7834-100-050-300L	10	0.5	10	30	9.74	-	120	10	151,58	<b>121,26</b>
7834-100-100-300	10	1	10	30	9.74	-	80	10	116,03	<b>92,82</b>
7834-100-100-400L	10	1	10	40	9.74	-	120	10	151,58	<b>121,26</b>
7834-100-150-300	10	1.5	10	30	9.74	-	80	10	116,03	<b>92,82</b>
7834-100-150-400L	10	1.5	10	40	9.74	-	120	10	151,58	<b>121,26</b>
7834-100-200-300	10	2	10	30	9.74	-	80	10	116,03	<b>92,82</b>
7834-100-200-400L	10	2	10	40	9.74	-	120	10	151,58	<b>121,26</b>
7834-100-300-300	10	3	10	30	9.74	-	80	10	116,03	<b>92,82</b>
7834-100-300-400L	10	3	10	40	9.74	-	120	10	151,58	<b>121,26</b>
7834-120-050-360	12	0.5	12	36	11.74	-	100	12	158,37	<b>126,70</b>
7834-120-050-480L	12	0.5	12	48	11.74	-	120	12	174,05	<b>139,24</b>
7834-120-100-360	12	1	12	36	11.74	-	100	12	158,37	<b>126,70</b>
7834-120-100-480L	12	1	12	48	11.74	-	120	12	174,05	<b>139,24</b>
7834-120-200-360	12	2	12	36	11.74	-	100	12	158,37	<b>126,70</b>
7834-120-200-480L	12	2	12	48	11.74	-	120	12	174,05	<b>139,24</b>
7834-120-300-360	12	3	12	36	11.74	-	100	12	158,37	<b>126,70</b>
7834-120-300-480L	12	3	12	48	11.74	-	120	12	174,05	<b>139,24</b>

## HRRS Die Mould line - High speed machining

**FRESA TORICA 4T SCARICATA - GV / 4 FLUTES CORNER RADIUS END MILL, UNDERCUT - GV**

MISURE DISPONIBILI / AVAILABLE SIZES **D 2 - 12**



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HRRS 4020-03-06S	2	0.3	2	6	1.91	16°	45	4	87.73	<b>70,18</b>
HRRS 4020-03-06	2	0.3	2	6	1.91	16°	70	4	92.35	<b>73,88</b>
HRRS 4020-05-06S	2	0.5	2	6	1.91	16°	45	4	87.73	<b>70,18</b>
HRRS 4020-05-06	2	0.5	2	6	1.91	16°	70	4	92.35	<b>73,88</b>
HRRS 4030-08-09-3S	3	0.8	3	9	2.92	-	50	3	81.96	<b>65,57</b>
HRRS 4030-08-09-3	3	0.8	3	9	2.92	-	70	3	86.27	<b>69,02</b>
HRRS 4030-08-09S	3	0.8	3	9	2.92	16°	50	6	90.06	<b>72,05</b>
HRRS 4030-08-09	3	0.8	3	9	2.92	16°	70	6	94.80	<b>75,84</b>
HRRS 4040-03-12-6	4	0.3	4	12	3.82	16°	70	6	101.68	<b>81,34</b>
HRRS 4040-03-20-6	4	0.3	4	20	3.82	16°	70	6	111.63	<b>89,30</b>
HRRS 4040-05-12S	4	0.5	4	12	3.82	-	50	4	83.51	<b>66,81</b>
HRRS 4040-05-12	4	0.5	4	12	3.82	-	70	4	87.89	<b>70,31</b>
HRRS 4040-05-12-6S	4	0.5	4	12	3.82	16°	50	6	96.57	<b>77,26</b>
HRRS 4040-05-12-6	4	0.5	4	12	3.82	16°	70	6	101.68	<b>81,34</b>
HRRS 4040-05-20-6	4	0.5	4	20	3.82	16°	70	6	111.63	<b>89,30</b>
HRRS 4040-10-12S	4	1	4	12	3.82	-	50	4	83.51	<b>66,81</b>
HRRS 4040-10-12	4	1	4	12	3.82	-	70	4	87.89	<b>70,31</b>
HRRS 4040-10-12-6S	4	1	4	12	3.82	16°	50	6	96.57	<b>77,26</b>
HRRS 4040-10-12-6	4	1	4	12	3.82	16°	70	6	101.68	<b>81,34</b>
HRRS 4040-10-20-6	4	1	4	20	3.82	16°	70	6	111.63	<b>89,30</b>
HRRS 4050-12-15S	5	1.2	5	15	4.82	16°	50	6	100.04	<b>80,03</b>
HRRS 4050-12-15	5	1.2	5	15	4.82	16°	70	6	105.31	<b>84,25</b>
HRRS 4060-03-18	6	0.3	6	18	5.82	-	90	6	117.49	<b>93,99</b>
HRRS 4060-03-30	6	0.3	6	30	5.82	-	90	6	129.33	<b>103,46</b>
HRRS 4060-05-18S	6	0.5	6	18	5.82	-	50	6	111.57	<b>89,26</b>
HRRS 4060-05-18	6	0.5	6	18	5.82	-	90	6	117.49	<b>93,99</b>
HRRS 4060-05-30	6	0.5	6	30	5.82	-	90	6	129.33	<b>103,46</b>
HRRS 4060-10-18S	6	1	6	18	5.82	-	50	6	111.57	<b>89,26</b>
HRRS 4060-10-18	6	1	6	18	5.82	-	90	6	117.49	<b>93,99</b>
HRRS 4060-10-30	6	1	6	30	5.82	-	90	6	129.33	<b>103,46</b>
HRRS 4060-15-18S	6	1.5	6	18	5.82	-	50	6	111.57	<b>89,26</b>
HRRS 4060-15-18	6	1.5	6	18	5.82	-	90	6	117.49	<b>93,99</b>
HRRS 4060-15-30	6	1.5	6	30	5.82	-	90	6	129.33	<b>103,46</b>
HRRS 4060-20-18S	6	2	6	18	5.82	-	50	6	111.57	<b>89,26</b>
HRRS 4060-20-18	6	2	6	18	5.82	-	90	6	117.49	<b>93,99</b>
HRRS 4080-03-24	8	0.3	8	24	7.82	-	100	8	146.63	<b>117,30</b>
HRRS 4080-03-40	8	0.3	8	40	7.82	-	100	8	161.11	<b>128,89</b>
HRRS 4080-05-24S	8	0.5	8	24	7.82	-	60	8	139.31	<b>111,45</b>

# FRESE TORICHE CORNER RADIUS END MILLS



Cod.	øD	CR	l	l1	ød1	Bta	L	ød	Listino	Promo
HRRS 4080-05-24	8	0.5	8	24	7.82	-	100	8	146.63	117,30
HRRS 4080-05-40	8	0.5	8	40	7.82	-	100	8	161.11	128,89
HRRS 4080-10-24S	8	1	8	24	7.82	-	60	8	139.31	111,45
HRRS 4080-10-24	8	1	8	24	7.82	-	100	8	146.63	117,30
HRRS 4080-10-40	8	1	8	40	7.82	-	100	8	161.11	128,89
HRRS 4080-20-24S	8	2	8	24	7.82	-	60	8	139.31	111,45
HRRS 4080-20-24	8	2	8	24	7.82	-	100	8	146.63	117,30
HRRS 4080-20-40	8	2	8	40	7.82	-	100	8	161.11	128,89
HRRS 4080-30-24S	8	3	8	24	7.82	-	60	8	139.31	111,45
HRRS 4080-30-24	8	3	8	24	7.82	-	100	8	146.63	117,30
HRRS 4100-03-30S	10	0.3	10	30	9.82	-	65	10	183.55	146,84
HRRS 4100-03-30	10	0.3	10	30	9.82	-	110	10	193.22	154,58
HRRS 4100-03-50	10	0.3	10	50	9.82	-	110	10	211.95	169,56
HRRS 4100-05-30S	10	0.5	10	30	9.82	-	65	10	183.55	146,84
HRRS 4100-05-30	10	0.5	10	30	9.82	-	110	10	193.22	154,58
HRRS 4100-05-50	10	0.5	10	50	9.82	-	110	10	211.95	169,56
HRRS 4100-10-30S	10	1	10	30	9.82	-	65	10	183.55	146,84
HRRS 4100-10-30	10	1	10	30	9.82	-	110	10	193.22	154,58
HRRS 4100-10-50	10	1	10	50	9.82	-	110	10	211.95	169,56
HRRS 4100-20-30S	10	2	10	30	9.82	-	65	10	183.55	146,84
HRRS 4100-20-30	10	2	10	30	9.82	-	110	10	193.22	154,58
HRRS 4100-20-50	10	2	10	50	9.82	-	110	10	211.95	169,56
HRRS 4100-30-30S	10	3	10	30	9.82	-	65	10	183.55	146,84
HRRS 4100-30-30	10	3	10	30	9.82	-	110	10	193.22	154,58
HRRS 4120-03-36	12	0.3	12	36	11.82	-	120	12	243.04	194,43
HRRS 4120-03-60	12	0.3	12	60	11.82	-	120	12	266.85	213,48
HRRS 4120-05-36S	12	0.5	12	36	11.82	-	75	12	230.89	184,71
HRRS 4120-05-36	12	0.5	12	36	11.82	-	120	12	243.04	194,43
HRRS 4120-05-60	12	0.5	12	60	11.82	-	120	12	266.85	213,48
HRRS 4120-10-36S	12	1	12	36	11.82	-	75	12	230.89	184,71
HRRS 4120-10-36	12	1	12	36	11.82	-	120	12	243.04	194,43
HRRS 4120-10-60	12	1	12	60	11.82	-	120	12	266.85	213,48
HRRS 4120-20-36S	12	2	12	36	11.82	-	75	12	230.89	184,71
HRRS 4120-20-36	12	2	12	36	11.82	-	120	12	243.04	194,43
HRRS 4120-20-60	12	2	12	60	11.82	-	120	12	266.85	213,48
HRRS 4120-40-36S	12	4	12	36	11.82	-	75	12	230.89	184,71
HRRS 4120-40-36	12	4	12	36	11.82	-	120	12	243.04	194,43

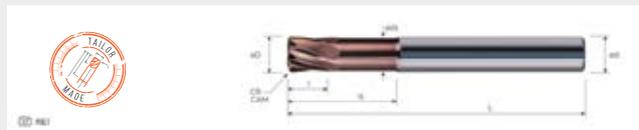
## 5826

Die Mould line - High speed machining



### FRESA TORICA 6T - MINI BOOSTER / 6 FLUTES CORNER RADIUS END MILL - MINI BOOSTER

MISURE DISPONIBILI / AVAILABLE SIZES D 1 - 12



Cod.	øD	TN	Cr Cam	h	l	l1	ød1	Bta	L	ød	Z	Listino	Promo
5826-010-03	1	-	0.088	0.017	1	3	0.9	16°	58	6	4	91.72	73,38
5826-010-04	1	-	0.088	0.017	1	4	0.9	16°	58	6	4	91.72	66,35
5826-015-04	1.5	-	0.132	0.026	1.5	4.5	1.4	16°	58	6	4	82.94	66,35
5826-015-06	1.5	-	0.132	0.026	1.5	6	1.4	16°	58	6	4	82.94	66,35
5826-020-06	2	-	0.176	0.034	2	6	1.8	16°	58	6	4	82.94	66,35
5826-020-08	2	-	0.176	0.034	2	8	1.8	16°	58	6	4	82.94	66,35
5826-025-07	2.5	-	0.22	0.043	2.5	7.5	2.3	16°	58	6	4	82.94	66,35
5826-025-10	2.5	-	0.22	0.043	2.5	10	2.3	16°	58	6	4	82.94	66,35
5826-030-09	3	-	0.264	0.051	3	9	2.8	16°	58	6	4	82.94	66,35
5826-030-12	3	-	0.264	0.051	3	12	2.8	16°	58	6	4	82.94	71,05
5826-040-12	4	-	0.352	0.068	4	12	3.8	16°	58	6	6	88.81	71,05
5826-040-16	4	-	0.352	0.068	4	16	3.8	16°	58	6	6	88.81	71,05
5826-050-15	5	-	0.44	0.085	5	15	4.7	16°	58	6	6	88.81	75,71
5826-060-18	6	-	0.528	0.102	6	18	5.7	-	58	6	6	94.64	75,71
5826-060-24	6	-	0.528	0.102	6	24	5.7	-	58	6	6	94.64	87,37
5826-080-24	8	-	0.704	0.136	8	24	7.6	-	75	8	6	109.21	87,37
5826-080-32	8	-	0.704	0.136	8	32	7.6	-	75	8	6	109.21	101,85
5826-100-30	10	-	0.88	0.17	10	30	9.5	-	80	10	6	127.31	110,63
5826-100-40	10	-	0.88	0.17	10	40	9.5	-	100	10	6	138.29	123,16
5826-120-36	12	-	1.056	0.204	12	36	11.5	-	100	12	6	153.95	132,85
5826-120-48	12	-	1.056	0.204	12	48	11.5	-	120	12	6	166.07	132,85



LA PROMOZIONE PROPONE UN ESTRATTO DI QUESTA LINEA. PER VEDERE LA GAMMA COMPLETA UTILIZZA IL CODICE QR.

## HMERS

Die Mould line - High speed machining



FRESA TORICA MULTITAGLIANTE / MULTI FLUTES CORNER  
RADIUS END MILL

MISURE DISPONIBILI / AVAILABLE SIZES D 3 - 12



## HHRS

Die Mould line - High speed machining



FRESA TORICA MULTITAGLIANTE SCARICATA / MULTI FLUTES  
CORNER RADIUS END MILL, UNDERCUT

MISURE DISPONIBILI / AVAILABLE SIZES D 6 - 12



Cod.	øD	CR	l	Bta	L	ød	z	Listino	Promo
HMERS 4030-01-075	3	0,1	7,5	16°	60	6	4	115,26	92,21
HMERS 4030-02-075	3	0,2	7,5	16°	60	6	4	115,26	92,21
HMERS 4030-03-075	3	0,3	7,5	16°	60	6	4	115,26	92,21
HMERS 4030-05-075	3	0,5	7,5	16°	60	6	4	115,26	92,21
HMERS 4040-01-100	4	0,1	10	16°	60	6	4	124,40	99,52
HMERS 4040-02-100	4	0,2	10	16°	60	6	4	124,40	99,52
HMERS 4040-03-100	4	0,3	10	16°	60	6	4	124,40	99,52
HMERS 4040-05-100	4	0,5	10	16°	60	6	4	124,40	99,52
HMERS 4040-10-100	4	1	10	16°	60	6	4	124,40	99,52
HMERS 4050-01-125	5	0,1	12,5	16°	60	6	4	133,58	106,86
HMERS 4050-02-125	5	0,2	12,5	16°	60	6	4	133,58	106,86
HMERS 4050-03-125	5	0,3	12,5	16°	60	6	4	133,58	106,86
HMERS 4050-05-125	5	0,5	12,5	16°	60	6	4	133,58	106,86
HMERS 4050-10-125	5	1	12,5	16°	60	6	4	133,58	106,86
HMERS 6060-01-130	6	0,1	13	-	60	6	6	142,69	114,15
HMERS 6060-02-130	6	0,2	13	-	60	6	6	142,69	114,15
HMERS 6060-03-130	6	0,3	13	-	60	6	6	142,69	114,15
HMERS 6060-05-130	6	0,5	13	-	60	6	6	142,69	114,15
HMERS 6060-10-130	6	1	13	-	60	6	6	142,69	114,15
HMERS 6060-15-130	6	1,5	13	-	60	6	6	142,69	114,15
HMERS 6080-02-190	8	0,2	19	-	70	8	6	179,65	143,72
HMERS 6080-03-190	8	0,3	19	-	70	8	6	179,65	143,72
HMERS 6080-05-190	8	0,5	19	-	70	8	6	179,65	143,72
HMERS 6080-10-190	8	1	19	-	70	8	6	179,65	143,72
HMERS 6080-20-190	8	2	19	-	70	8	6	179,65	143,72
HMERS 6100-02-220	10	0,2	22	-	80	10	6	244,03	195,22
HMERS 6100-03-220	10	0,3	22	-	80	10	6	244,03	195,22
HMERS 6100-05-220	10	0,5	22	-	80	10	6	244,03	195,22
HMERS 6100-10-220	10	1	22	-	80	10	6	244,03	195,22
HMERS 6100-15-220	10	1,5	22	-	80	10	6	244,03	195,22
HMERS 6100-20-220	10	2	22	-	80	10	6	244,03	195,22
HMERS 6120-02-260	12	0,2	26	-	100	12	6	294,53	235,62
HMERS 6120-03-260	12	0,3	26	-	100	12	6	294,53	235,62
HMERS 6120-05-260	12	0,5	26	-	100	12	6	294,53	235,62
HMERS 6120-10-260	12	1	26	-	100	12	6	294,53	235,62
HMERS 6120-15-260	12	1,5	26	-	100	12	6	294,53	235,62
HMERS 6120-20-260	12	2	26	-	100	12	6	294,53	235,62

Alternative / Alternatives

HHRS 6T



Cod.	øD	CR	l	l1	ød1	L	ød	Listino	Promo
HHRS 6060-01-210	6	0,1	6	21	5,95	60	6	129,55	103,64
HHRS 6060-02-210	6	0,2	6	21	5,95	60	6	129,55	103,64
HHRS 6060-03-210	6	0,3	6	21	5,95	60	6	129,55	103,64
HHRS 6060-05-210	6	0,5	6	21	5,95	60	6	129,55	103,64
HHRS 6060-10-210	6	1	6	21	5,95	60	6	129,55	103,64
HHRS 6080-03-260	8	0,3	8	26	7,81	80	8	160,49	128,39
HHRS 6080-05-260	8	0,5	8	26	7,81	80	8	160,49	128,39
HHRS 6080-10-260	8	1	8	26	7,81	80	8	160,49	128,39
HHRS 6100-03-310	10	0,3	10	31	9,81	80	10	169,51	135,61
HHRS 6100-05-310	10	0,5	10	31	9,81	80	10	169,51	135,61
HHRS 6100-10-310	10	1	10	31	9,81	80	10	169,51	135,61
HHRS 6120-03-370	12	0,3	12	37	11,81	100	12	240,68	192,54
HHRS 6120-05-370	12	0,5	12	37	11,81	100	12	240,68	192,54
HHRS 6120-10-370	12	1	12	37	11,81	100	12	240,68	192,54

Alternative / Alternatives

HMERS 6T

# FRESE SFERICHE BALL NOSE END MILLS



## CWLB

Die Mould line - High speed machining



FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK

BALL NOSE END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES R 0,05 - 3



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CWLB 2001-002	0.05	0.08	0.2	0.095	11°	45	4	115,23	92,18
CWLB 2001-003	0.05	0.08	0.3	0.095	11°	45	4	115,23	92,18
CWLB 2001-005	0.05	0.08	0.5	0.095	11°	45	4	124,51	99,61
CWLB 20015-003	0.075	0.12	0.3	0.135	11°	45	4	133,76	107,01
CWLB 20015-005	0.075	0.12	0.5	0.135	11°	45	4	141,47	113,18
CWLB 20015-010	0.075	0.12	1	0.135	11°	45	4	147,17	117,74
CWLB 2002-003	0.1	0.16	0.3	0.19	11°	45	4	80,26	64,21
CWLB 2002-005	0.1	0.16	0.5	0.19	11°	45	4	80,26	64,21
CWLB 2002-0075	0.1	0.16	0.75	0.19	11°	45	4	80,26	64,21
CWLB 2002-010	0.1	0.16	1	0.19	11°	45	4	80,26	64,21
CWLB 2002-015	0.1	0.16	1.5	0.19	11°	45	4	86,94	69,55
CWLB 2002-020	0.1	0.16	2	0.19	11°	45	4	96,22	76,98
CWLB 2002-030	0.1	0.16	3	0.19	11°	45	4	113,18	90,54
CWLB 2003-005	0.15	0.24	0.5	0.29	11°	45	4	79,23	63,38
CWLB 2003-0075	0.15	0.24	0.75	0.29	11°	45	4	79,23	63,38
CWLB 2003-010	0.15	0.24	1	0.29	11°	45	4	79,23	63,38
CWLB 2003-015	0.15	0.24	1.5	0.29	11°	45	4	84,90	67,92
CWLB 2003-020	0.15	0.24	2	0.29	11°	45	4	84,90	67,92
CWLB 2003-025	0.15	0.24	2.5	0.29	11°	45	4	86,94	69,55
CWLB 2003-030	0.15	0.24	3	0.29	11°	45	4	86,94	69,55
CWLB 2003-040	0.15	0.24	4	0.29	11°	45	4	90,56	72,45
CWLB 2003-050	0.15	0.24	5	0.29	11°	45	4	101,86	81,49
CWLB 2004-005	0.2	0.32	0.5	0.39	11°	45	4	54,53	43,62
CWLB 2004-0075	0.2	0.32	0.75	0.39	11°	45	4	54,53	43,62
CWLB 2004-010	0.2	0.32	1	0.39	11°	45	4	54,53	43,62
CWLB 2004-010-6	0.2	0.32	1	0.39	11°	50	6	79,23	63,38
CWLB 2004-015	0.2	0.32	1.5	0.39	11°	45	4	55,55	44,44
CWLB 2004-020	0.2	0.32	2	0.39	11°	45	4	56,61	45,29
CWLB 2004-020-6	0.2	0.32	2	0.39	11°	50	6	82,85	66,28
CWLB 2004-025	0.2	0.32	2.5	0.39	11°	45	4	58,66	46,93
CWLB 2004-030	0.2	0.32	3	0.39	11°	45	4	62,27	49,82
CWLB 2004-030-6	0.2	0.32	3	0.39	11°	50	6	90,56	72,45
CWLB 2004-035	0.2	0.32	3.5	0.39	11°	45	4	67,94	54,35
CWLB 2004-040	0.2	0.32	4	0.39	11°	45	4	67,94	54,35
CWLB 2004-050	0.2	0.32	5	0.39	11°	45	4	70,98	56,78
CWLB 2004-060	0.2	0.32	6	0.39	11°	45	4	82,85	66,28
CWLB 2005-010	0.25	0.4	1	0.49	11°	45	4	54,53	43,62
CWLB 2005-015	0.25	0.4	1.5	0.49	11°	45	4	54,53	43,62

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CWLB 2005-020	0.25	0.4	2	0.49	11°	45	4	54,53	43,62
CWLB 2005-020-6	0.25	0.4	2	0.49	11°	50	6	79,23	63,38
CWLB 2005-025	0.25	0.4	2.5	0.49	11°	45	4	54,53	43,62
CWLB 2005-030	0.25	0.4	3	0.49	11°	45	4	54,53	43,62
CWLB 2005-030-6	0.25	0.4	3	0.49	11°	50	6	79,23	63,38
CWLB 2005-040	0.25	0.4	4	0.49	11°	45	4	54,53	43,62
CWLB 2005-040-6	0.25	0.4	4	0.49	11°	50	6	79,23	63,38
CWLB 2005-050	0.25	0.4	5	0.49	11°	45	4	55,55	44,44
CWLB 2005-060	0.25	0.4	6	0.49	11°	45	4	56,61	45,29
CWLB 2005-080	0.25	0.4	8	0.49	11°	45	4	67,94	54,35
CWLB 2005-100	0.25	0.4	10	0.49	11°	50	4	84,38	67,50
CWLB 2006-010	0.3	0.48	1	0.59	11°	45	4	46,30	37,04
CWLB 2006-015	0.3	0.48	1.5	0.59	11°	45	4	42,21	33,77
CWLB 2006-020	0.3	0.48	2	0.59	11°	45	4	42,21	33,77
CWLB 2006-020-6	0.3	0.48	2	0.59	11°	50	6	63,26	50,61
CWLB 2006-025	0.3	0.48	2.5	0.59	11°	45	4	42,69	34,15
CWLB 2006-030	0.3	0.48	3	0.59	11°	45	4	42,69	34,15
CWLB 2006-030-6	0.3	0.48	3	0.59	11°	50	6	64,32	51,46
CWLB 2006-035	0.3	0.48	3.5	0.59	11°	45	4	44,26	35,41
CWLB 2006-040	0.3	0.48	4	0.59	11°	45	4	44,26	35,41
CWLB 2006-040-6	0.3	0.48	4	0.59	11°	50	6	66,88	53,50
CWLB 2006-050	0.3	0.48	5	0.59	11°	45	4	44,26	35,41
CWLB 2006-060	0.3	0.48	6	0.59	11°	45	4	44,26	35,41
CWLB 2006-060-6	0.3	0.48	6	0.59	11°	50	6	66,88	53,50
CWLB 2006-080	0.3	0.48	8	0.59	11°	45	4	58,66	46,93
CWLB 2006-100	0.3	0.48	10	0.59	11°	50	4	59,68	47,74
CWLB 2008-020	0.4	0.64	2	0.79	11°	45	4	42,21	33,77
CWLB 2008-020-6	0.4	0.64	2	0.79	11°	50	6	63,26	50,61
CWLB 2008-030	0.4	0.64	3	0.79	11°	45	4	44,26	35,41
CWLB 2008-030-6	0.4	0.64	3	0.79	11°	50	6	66,88	53,50
CWLB 2008-040	0.4	0.64	4	0.79	11°	45	4	44,26	35,41
CWLB 2008-040-6	0.4	0.64	4	0.79	11°	50	6	66,88	53,50
CWLB 2008-050	0.4	0.64	5	0.79	11°	45	4	44,26	35,41
CWLB 2008-060	0.4	0.64	6	0.79	11°	45	4	44,26	35,41
CWLB 2008-080	0.4	0.64	8	0.79	11°	45	4	44,26	35,41
CWLB 2008-100	0.4	0.64	10	0.79	11°	50	4	58,66	46,93
CWLB 2008-120	0.4	0.64	12	0.79	11°	50	4	72,54	58,03
CWLB 2010-020	0.5	0.8	2	0.98	11°	45	4	34,98	27,98
CWLB 2010-025	0.5	0.8	2.5	0.98	11°	45	4	34,98	27,98
CWLB 2010-030	0.5	0.8	3	0.98	11°	45	4	34,98	27,98
CWLB 2010-030-6	0.5	0.8	3	0.98	11°	50	6	55,55	44,44
CWLB 2010-040	0.5	0.8	4	0.98	11°	45	4	39,62	31,70
CWLB 2010-040-6	0.5	0.8	4	0.98	11°	50	6	61,22	48,98
CWLB 2010-050	0.5	0.8	5	0.98	11°	45	4	39,62	31,70
CWLB 2010-060	0.5	0.8	6	0.98	11°	45	4	42,69	34,15
CWLB 2010-060-6	0.5	0.8	6	0.98	11°	50	6	64,32	51,46
CWLB 2010-070	0.5	0.8	7	0.98	11°	45	4	42,69	34,15
CWLB 2010-080	0.5	0.8	8	0.98	11°	45	4	42,69	34,15
CWLB 2010-080-6	0.5	0.8	8	0.98	11°	50	6	64,32	51,46
CWLB 2010-090	0.5	0.8	9	0.98	11°	45	4	42,69	34,15
CWLB 2010-100	0.5	0.8	10	0.98	11°	45	4	42,69	34,15
CWLB 2010-100-6	0.5	0.8	10	0.98	11°	50	6	64,32	51,46
CWLB 2010-120	0.5	0.8	12	0.98	11°	45	4	42,69	34,15
CWLB 2010-120-6	0.5	0.8	12	0.98	11°	50	6	64,32	51,46
CWLB 2010-140	0.5	0.8	14	0.98	11°	50	4	49,92	39,94

# FRESE SFERICHE BALL NOSE END MILLS



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CWLB 2010-160	0.5	0.8	16	0.98	11"	50	4	58,66	<b>46,93</b>
CWLB 2010-180	0.5	0.8	18	0.98	11"	55	4	58,66	<b>46,93</b>
CWLB 2010-200	0.5	0.8	20	0.98	11"	55	4	70,98	<b>56,78</b>
CWLB 2012-030	0.6	0.96	3	1.19	11"	45	4	52,99	<b>42,39</b>
CWLB 2012-040	0.6	0.96	4	1.19	11"	45	4	52,99	<b>42,39</b>
CWLB 2012-060	0.6	0.96	6	1.19	11"	45	4	57,63	<b>46,10</b>
CWLB 2012-080	0.6	0.96	8	1.19	11"	45	4	57,63	<b>46,10</b>
CWLB 2012-100	0.6	0.96	10	1.19	11"	45	4	57,63	<b>46,10</b>
CWLB 2012-120	0.6	0.96	12	1.19	11"	45	4	57,63	<b>46,10</b>
CWLB 2012-160	0.6	0.96	16	1.19	11"	50	4	67,94	<b>54,35</b>
CWLB 2015-030	0.75	1.2	3	1.47	11"	45	4	40,64	<b>32,51</b>
CWLB 2015-040	0.75	1.2	4	1.47	11"	45	4	40,64	<b>32,51</b>
CWLB 2015-060	0.75	1.2	6	1.47	11"	45	4	40,64	<b>32,51</b>
CWLB 2015-060-6	0.75	1.2	6	1.47	11"	50	6	65,86	<b>52,69</b>
CWLB 2015-080	0.75	1.2	8	1.47	11"	45	4	42,69	<b>34,15</b>
CWLB 2015-080-6	0.75	1.2	8	1.47	11"	50	6	65,86	<b>52,69</b>
CWLB 2015-100	0.75	1.2	10	1.47	11"	45	4	46,30	<b>37,04</b>
CWLB 2015-100-6	0.75	1.2	10	1.47	11"	50	6	65,86	<b>52,69</b>
CWLB 2015-120	0.75	1.2	12	1.47	11"	45	4	49,92	<b>39,94</b>
CWLB 2015-140	0.75	1.2	14	1.47	11"	50	4	49,92	<b>39,94</b>
CWLB 2015-160	0.75	1.2	16	1.47	11"	50	4	49,92	<b>39,94</b>
CWLB 2015-180	0.75	1.2	18	1.47	11"	55	4	49,92	<b>39,94</b>
CWLB 2015-200	0.75	1.2	20	1.47	11"	55	4	49,92	<b>39,94</b>
CWLB 2015-250	0.75	1.2	25	1.47	11"	65	4	69,47	<b>55,58</b>
CWLB 2016-040	0.8	1.28	4	1.58	11"	45	4	56,61	<b>45,29</b>
CWLB 2016-080	0.8	1.28	8	1.58	11"	45	4	57,63	<b>46,10</b>
CWLB 2016-120	0.8	1.28	12	1.58	11"	45	4	57,63	<b>46,10</b>
CWLB 2016-160	0.8	1.28	16	1.58	11"	50	4	57,63	<b>46,10</b>
CWLB 2016-200	0.8	1.28	20	1.58	11"	55	4	57,63	<b>46,10</b>
CWLB 2018-060	0.9	1.44	6	1.78	11"	45	4	47,36	<b>37,89</b>
CWLB 2018-080	0.9	1.44	8	1.78	11"	45	4	49,92	<b>39,94</b>
CWLB 2018-120	0.9	1.44	12	1.78	11"	45	4	49,92	<b>39,94</b>
CWLB 2020-030	1	1.6	3	1.98	11"	45	4	34,98	<b>27,98</b>
CWLB 2020-040	1	1.6	4	1.98	11"	45	4	34,98	<b>27,98</b>
CWLB 2020-040-6	1	1.6	4	1.98	11"	50	6	55,55	<b>44,44</b>
CWLB 2020-060	1	1.6	6	1.98	11"	45	4	39,62	<b>31,70</b>
CWLB 2020-060-6	1	1.6	6	1.98	11"	50	6	59,68	<b>47,74</b>
CWLB 2020-080	1	1.6	8	1.98	11"	45	4	42,69	<b>34,15</b>
CWLB 2020-080-6	1	1.6	8	1.98	11"	50	6	64,32	<b>51,46</b>
CWLB 2020-100	1	1.6	10	1.98	11"	45	4	42,69	<b>34,15</b>
CWLB 2020-100-6	1	1.6	10	1.98	11"	50	6	64,32	<b>51,46</b>
CWLB 2020-120	1	1.6	12	1.98	11"	45	4	42,69	<b>34,15</b>
CWLB 2020-120-6	1	1.6	12	1.98	11"	50	6	64,32	<b>51,46</b>
CWLB 2020-140	1	1.6	14	1.98	11"	50	4	42,69	<b>34,15</b>
CWLB 2020-160	1	1.6	16	1.98	11"	50	4	42,69	<b>34,15</b>
CWLB 2020-160-6	1	1.6	16	1.98	11"	60	6	64,32	<b>51,46</b>
CWLB 2020-180	1	1.6	18	1.98	11"	55	4	42,69	<b>34,15</b>
CWLB 2020-200	1	1.6	20	1.98	11"	55	4	42,69	<b>34,15</b>
CWLB 2020-200-6	1	1.6	20	1.98	11"	70	6	64,32	<b>51,46</b>
CWLB 2020-250	1	1.6	25	1.98	11"	65	4	59,68	<b>47,74</b>
CWLB 2020-300	1	1.6	30	1.98	11"	70	4	67,94	<b>54,35</b>
CWLB 2020-350	1	1.6	35	1.98	11"	80	4	92,61	<b>74,09</b>
CWLB 2020-400	1	1.6	40	1.98	11"	80	4	92,61	<b>74,09</b>
CWLB 2025-060	1.25	2	6	2.45	11"	45	4	46,30	<b>37,04</b>
CWLB 2025-100	1.25	2	10	2.45	11"	45	4	48,86	<b>39,09</b>

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CWLB 2025-150	1.25	2	15	2.45	11"	50	4	57,63	<b>46,10</b>
CWLB 2025-200	1.25	2	20	2.45	11"	55	4	67,94	<b>54,35</b>
CWLB 2030-060-3	1.5	2.4	6	2.95	-	60	3	39,62	<b>31,70</b>
CWLB 2030-060-4	1.5	2.4	6	2.95	11"	60	4	39,62	<b>31,70</b>
CWLB 2030-060	1.5	2.4	6	2.95	11"	60	6	42,69	<b>34,15</b>
CWLB 2030-080	1.5	2.4	8	2.95	11"	60	6	42,69	<b>34,15</b>
CWLB 2030-100	1.5	2.4	10	2.95	11"	60	6	49,92	<b>39,94</b>
CWLB 2030-120	1.5	2.4	12	2.95	11"	60	6	51,97	<b>41,58</b>
CWLB 2030-140	1.5	2.4	14	2.95	11"	60	6	57,63	<b>46,10</b>
CWLB 2030-160	1.5	2.4	16	2.95	11"	60	6	57,63	<b>46,10</b>
CWLB 2030-200	1.5	2.4	20	2.95	11"	70	6	55,55	<b>44,44</b>
CWLB 2030-250	1.5	2.4	25	2.95	11"	70	6	55,55	<b>44,44</b>
CWLB 2030-300	1.5	2.4	30	2.95	11"	70	6	63,26	<b>50,61</b>
CWLB 2030-350	1.5	2.4	35	2.95	11"	80	6	80,26	<b>64,21</b>
CWLB 2030-400	1.5	2.4	40	2.95	11"	80	6	99,30	<b>79,44</b>
CWLB 2040-080-4	2	3.2	8	3.95	-	70	4	41,70	<b>33,36</b>
CWLB 2040-080	2	3.2	8	3.95	11"	70	6	44,26	<b>35,41</b>
CWLB 2040-100	2	3.2	10	3.95	11"	70	6	44,26	<b>35,41</b>
CWLB 2040-120	2	3.2	12	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-140	2	3.2	14	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-160	2	3.2	16	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-200	2	3.2	20	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-250	2	3.2	25	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-300	2	3.2	30	3.95	11"	70	6	57,63	<b>46,10</b>
CWLB 2040-350	2	3.2	35	3.95	11"	80	6	66,88	<b>53,50</b>
CWLB 2040-400	2	3.2	40	3.95	11"	90	6	74,59	<b>59,67</b>
CWLB 2040-450	2	3.2	45	3.95	11"	90	6	96,22	<b>76,98</b>
CWLB 2050-100	2.5	4	10	4.95	11"	70	6	67,94	<b>54,35</b>
CWLB 2050-150	2.5	4	15	4.95	11"	70	6	96,22	<b>76,98</b>
CWLB 2050-200	2.5	4	20	4.95	11"	70	6	96,22	<b>76,98</b>
CWLB 2050-250	2.5	4	25	4.95	11"	70	6	96,22	<b>76,98</b>
CWLB 2050-300	2.5	4	30	4.95	11"	80	6	102,91	<b>82,33</b>
CWLB 2060-100	3	4.8	10	5.95	-	80	6	72,54	<b>58,03</b>
CWLB 2060-150	3	4.8	15	5.95	-	80	6	72,54	<b>58,03</b>
CWLB 2060-200	3	4.8	20	5.95	-	80	6	72,54	<b>58,03</b>
CWLB 2060-250	3	4.8	25	5.95	-	80	6	72,54	<b>58,03</b>
CWLB 2060-300	3	4.8	30	5.95	-	80	6	74,59	<b>59,67</b>
CWLB 2060-350	3	4.8	35	5.95	-	80	6	77,18	<b>61,74</b>
CWLB 2060-400	3	4.8	40	5.95	-	90	6	81,28	<b>65,02</b>
CWLB 2060-450	3	4.8	45	5.95	-	100	6	86,94	<b>69,55</b>
CWLB 2060-500	3	4.8	50	5.95	-	120	6	88,00	<b>70,40</b>
CWLB 2060-600	3	4.8	60	5.95	-	120	6	93,66	<b>74,93</b>

Alternative / Alternatives  
CSELB 2T

# FRESE SFERICHE BALL NOSE END MILLS



## HWLB

Die Mould line - High speed machining

FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK

BALL NOSE END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES R 0,05 - 3



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HWLB 2001-002	0.05	0.08	0.2	0.095	11"	45	4	136,26	109,01
HWLB 2001-003	0.05	0.08	0.3	0.095	11"	45	4	136,26	109,01
HWLB 2001-005	0.05	0.08	0.5	0.095	11"	45	4	143,29	114,63
HWLB 20015-003	0.075	0.12	0.3	0.135	11"	45	4	136,26	109,01
HWLB 20015-005	0.075	0.12	0.5	0.135	11"	45	4	143,29	114,63
HWLB 20015-010	0.075	0.12	1	0.135	11"	45	4	149,00	119,20
HWLB 2002-003	0.1	0.16	0.3	0.19	16"	45	4	110,35	88,28
HWLB 2002-005	0.1	0.16	0.5	0.19	16"	45	4	110,35	88,28
HWLB 2002-0075	0.1	0.16	0.75	0.19	16"	45	4	110,35	88,28
HWLB 2002-010	0.1	0.16	1	0.19	16"	45	4	110,35	88,28
HWLB 2002-015	0.1	0.16	1.5	0.19	16"	45	4	121,01	96,81
HWLB 2002-020	0.1	0.16	2	0.19	16"	45	4	132,56	106,05
HWLB 2002-025	0.1	0.16	2.5	0.19	16"	45	4	144,11	115,29
HWLB 2002-030	0.1	0.16	3	0.19	16"	45	4	155,63	124,50
HWLB 2003-005	0.15	0.24	0.5	0.29	16"	45	4	107,42	85,94
HWLB 2003-0075	0.15	0.24	0.75	0.29	16"	45	4	107,42	85,94
HWLB 2003-010	0.15	0.24	1	0.29	16"	45	4	107,42	85,94
HWLB 2003-015	0.15	0.24	1.5	0.29	16"	45	4	117,32	93,86
HWLB 2003-020	0.15	0.24	2	0.29	16"	45	4	117,32	93,86
HWLB 2003-025	0.15	0.24	2.5	0.29	16"	45	4	121,01	96,81
HWLB 2003-030	0.15	0.24	3	0.29	16"	45	4	121,01	96,81
HWLB 2003-040	0.15	0.24	4	0.29	16"	45	4	121,01	96,81
HWLB 2004-005	0.2	0.32	0.5	0.39	16"	45	4	72,86	58,29
HWLB 2004-0075	0.2	0.32	0.75	0.39	16"	45	4	72,86	58,29
HWLB 2004-010	0.2	0.32	1	0.39	16"	45	4	74,12	59,30
HWLB 2004-010-6	0.2	0.32	1	0.39	16"	50	6	107,42	85,94
HWLB 2004-015	0.2	0.32	1.5	0.39	16"	45	4	74,91	59,93
HWLB 2004-015-6	0.2	0.32	1.5	0.39	16"	50	6	110,35	88,28
HWLB 2004-020	0.2	0.32	2	0.39	16"	45	4	77,81	62,25
HWLB 2004-020-6	0.2	0.32	2	0.39	16"	50	6	95,90	76,72
HWLB 2004-025	0.2	0.32	2.5	0.39	16"	45	4	80,69	64,55
HWLB 2004-030	0.2	0.32	3	0.39	16"	45	4	86,46	69,17
HWLB 2004-030-6	0.2	0.32	3	0.39	16"	50	6	121,01	96,81
HWLB 2004-035	0.2	0.32	3.5	0.39	16"	45	4	92,20	73,76
HWLB 2004-040	0.2	0.32	4	0.39	16"	45	4	92,20	73,76
HWLB 2004-050	0.2	0.32	5	0.39	16"	45	4	97,98	78,38
HWLB 2004-060	0.2	0.32	6	0.39	16"	45	4	110,35	88,28
HWLB 2005-010	0.25	0.4	1	0.49	16"	45	4	72,76	58,21

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HWLB 2005-015	0.25	0.4	1.5	0.49	16"	45	4	74,12	59,30
HWLB 2005-015-6	0.25	0.4	1.5	0.49	16"	50	6	107,42	85,94
HWLB 2005-020	0.25	0.4	2	0.49	16"	45	4	74,12	59,30
HWLB 2005-020-6	0.25	0.4	2	0.49	16"	50	6	107,42	85,94
HWLB 2005-025	0.25	0.4	2.5	0.49	16"	45	4	74,12	59,30
HWLB 2005-030	0.25	0.4	3	0.49	16"	45	4	74,12	59,30
HWLB 2005-030-6	0.25	0.4	3	0.49	16"	50	6	107,42	85,94
HWLB 2005-035	0.25	0.4	3.5	0.49	16"	45	4	74,12	59,30
HWLB 2005-040	0.25	0.4	4	0.49	16"	45	4	74,12	59,30
HWLB 2005-040-6	0.25	0.4	4	0.49	16"	50	6	107,42	85,94
HWLB 2005-050	0.25	0.4	5	0.49	16"	45	4	74,91	59,93
HWLB 2005-060	0.25	0.4	6	0.49	16"	45	4	77,81	62,25
HWLB 2005-080	0.25	0.4	8	0.49	16"	45	4	92,20	73,76
HWLB 2005-100	0.25	0.4	10	0.49	16"	50	4	100,88	80,70
HWLB 2006-010	0.3	0.48	1	0.59	16"	45	4	55,57	44,46
HWLB 2006-015	0.3	0.48	1.5	0.59	16"	45	4	56,83	45,46
HWLB 2006-015-6	0.3	0.48	1.5	0.59	16"	50	6	73,26	58,61
HWLB 2006-020	0.3	0.48	2	0.59	16"	45	4	56,83	45,46
HWLB 2006-020-6	0.3	0.48	2	0.59	16"	50	6	73,26	58,61
HWLB 2006-025	0.3	0.48	2.5	0.59	16"	45	4	57,62	46,10
HWLB 2006-030	0.3	0.48	3	0.59	16"	45	4	57,62	46,10
HWLB 2006-030-6	0.3	0.48	3	0.59	16"	50	6	74,12	59,30
HWLB 2006-035	0.3	0.48	3.5	0.59	16"	45	4	60,52	48,42
HWLB 2006-040	0.3	0.48	4	0.59	16"	45	4	60,52	48,42
HWLB 2006-040-6	0.3	0.48	4	0.59	16"	50	6	77,81	62,25
HWLB 2006-050	0.3	0.48	5	0.59	16"	45	4	60,52	48,42
HWLB 2006-060	0.3	0.48	6	0.59	16"	45	4	60,52	48,42
HWLB 2006-060-6	0.3	0.48	6	0.59	16"	50	6	77,81	62,25
HWLB 2006-080	0.3	0.48	8	0.59	16"	45	4	80,69	64,55
HWLB 2006-100	0.3	0.48	10	0.59	16"	50	4	86,46	69,17
HWLB 2008-020	0.4	0.64	2	0.79	16"	45	4	56,83	45,46
HWLB 2008-020-6	0.4	0.64	2	0.79	16"	50	6	73,26	58,61
HWLB 2008-030	0.4	0.64	3	0.79	16"	45	4	60,52	48,42
HWLB 2008-030-6	0.4	0.64	3	0.79	16"	50	6	77,81	62,25
HWLB 2008-040	0.4	0.64	4	0.79	16"	45	4	60,52	48,42
HWLB 2008-040-6	0.4	0.64	4	0.79	16"	50	6	77,81	62,25
HWLB 2008-050	0.4	0.64	5	0.79	16"	45	4	60,52	48,42
HWLB 2008-060	0.4	0.64	6	0.79	16"	45	4	60,52	48,42
HWLB 2008-080	0.4	0.64	8	0.79	16"	45	4	60,52	48,42
HWLB 2008-100	0.4	0.64	10	0.79	16"	50	4	80,69	64,55
HWLB 2008-120	0.4	0.64	12	0.79	16"	50	4	99,33	79,46
HWLB 2010-020	0.5	0.8	2	0.98	16"	45	4	46,93	37,54
HWLB 2010-025	0.5	0.8	2.5	0.98	16"	45	4	46,93	37,54
HWLB 2010-030	0.5	0.8	3	0.98	16"	45	4	48,15	38,52
HWLB 2010-030-6	0.5	0.8	3	0.98	16"	50	6	64,25	51,40
HWLB 2010-040	0.5	0.8	4	0.98	16"	45	4	53,92	43,14
HWLB 2010-040-6	0.5	0.8	4	0.98	16"	50	6	70,42	56,34
HWLB 2010-050	0.5	0.8	5	0.98	16"	45	4	53,92	43,14
HWLB 2010-050-6	0.5	0.8	5	0.98	16"	50	6	70,42	56,34
HWLB 2010-060	0.5	0.8	6	0.98	16"	45	4	58,48	46,78
HWLB 2010-060-6	0.5	0.8	6	0.98	16"	50	6	74,91	59,93
HWLB 2010-070	0.5	0.8	7	0.98	16"	45	4	58,48	46,78
HWLB 2010-080	0.5	0.8	8	0.98	16"	45	4	58,48	46,78
HWLB 2010-080-6	0.5	0.8	8	0.98	16"	50	6	74,91	59,93
HWLB 2010-090	0.5	0.8	9	0.98	16"	45	4	58,48	46,78

# FRESE SFERICHE BALL NOSE END MILLS



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HWLB 2010-100	0.5	0.8	10	0.98	16"	45	4	58,48	<b>46,78</b>
HWLB 2010-100-6	0.5	0.8	10	0.98	16"	50	6	74,91	<b>59,93</b>
HWLB 2010-120	0.5	0.8	12	0.98	16"	45	4	58,48	<b>46,78</b>
HWLB 2010-140	0.5	0.8	14	0.98	16"	50	4	69,17	<b>55,34</b>
HWLB 2010-140-6	0.5	0.8	14	0.98	16"	60	6	81,48	<b>65,18</b>
HWLB 2010-160	0.5	0.8	16	0.98	16"	50	4	80,69	<b>64,55</b>
HWLB 2010-180	0.5	0.8	18	0.98	16"	55	4	80,69	<b>64,55</b>
HWLB 2010-200	0.5	0.8	20	0.98	16"	55	4	97,98	<b>78,38</b>
HWLB 2012-030	0.6	0.96	3	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-040	0.6	0.96	4	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-060	0.6	0.96	6	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-080	0.6	0.96	8	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-100	0.6	0.96	10	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-120	0.6	0.96	12	1.19	16"	45	4	69,17	<b>55,34</b>
HWLB 2012-160	0.6	0.96	16	1.19	16"	50	4	80,69	<b>64,55</b>
HWLB 2015-030	0.75	1.2	3	1.47	16"	45	4	58,48	<b>46,78</b>
HWLB 2015-040	0.75	1.2	4	1.47	16"	45	4	58,48	<b>46,78</b>
HWLB 2015-060	0.75	1.2	6	1.47	16"	45	4	58,48	<b>46,78</b>
HWLB 2015-060-6	0.75	1.2	6	1.47	16"	50	6	72,47	<b>57,98</b>
HWLB 2015-080	0.75	1.2	8	1.47	16"	45	4	58,48	<b>46,78</b>
HWLB 2015-080-6	0.75	1.2	8	1.47	16"	50	6	72,47	<b>57,98</b>
HWLB 2015-100	0.75	1.2	10	1.47	16"	45	4	63,39	<b>50,71</b>
HWLB 2015-100-6	0.75	1.2	10	1.47	16"	50	6	72,47	<b>57,98</b>
HWLB 2015-120	0.75	1.2	12	1.47	16"	45	4	69,17	<b>55,34</b>
HWLB 2015-140	0.75	1.2	14	1.47	16"	50	4	69,17	<b>55,34</b>
HWLB 2015-160	0.75	1.2	16	1.47	16"	50	4	69,17	<b>55,34</b>
HWLB 2015-180	0.75	1.2	18	1.47	16"	55	4	69,17	<b>55,34</b>
HWLB 2015-200	0.75	1.2	20	1.47	16"	55	4	69,17	<b>55,34</b>
HWLB 2015-250	0.75	1.2	25	1.47	16"	65	4	76,76	<b>61,41</b>
HWLB 2016-040	0.8	1.28	4	1.58	16"	45	4	67,88	<b>54,30</b>
HWLB 2016-080	0.8	1.28	8	1.58	16"	45	4	69,17	<b>55,34</b>
HWLB 2016-120	0.8	1.28	12	1.58	16"	45	4	69,17	<b>55,34</b>
HWLB 2016-160	0.8	1.28	16	1.58	16"	50	4	69,17	<b>55,34</b>
HWLB 2016-200	0.8	1.28	20	1.58	16"	55	4	69,17	<b>55,34</b>
HWLB 2018-060	0.9	1.44	6	1.78	16"	45	4	56,56	<b>45,25</b>
HWLB 2018-100	0.9	1.44	10	1.78	16"	45	4	69,17	<b>55,34</b>
HWLB 2018-160	0.9	1.44	16	1.78	16"	50	4	69,17	<b>55,34</b>
HWLB 2018-200	0.9	1.44	20	1.78	16"	55	4	69,17	<b>55,34</b>
HWLB 2018-300	0.9	1.44	30	1.78	16"	70	4	94,55	<b>75,64</b>
HWLB 2020-030	1	1.6	3	1.98	16"	45	4	46,93	<b>37,54</b>
HWLB 2020-040	1	1.6	4	1.98	16"	45	4	48,15	<b>38,52</b>
HWLB 2020-040-6	1	1.6	4	1.98	16"	50	6	63,39	<b>50,71</b>
HWLB 2020-060	1	1.6	6	1.98	16"	45	4	53,92	<b>43,14</b>
HWLB 2020-060-6	1	1.6	6	1.98	16"	50	6	69,56	<b>55,65</b>
HWLB 2020-080	1	1.6	8	1.98	16"	45	4	58,48	<b>46,78</b>
HWLB 2020-080-6	1	1.6	8	1.98	16"	50	6	74,12	<b>59,30</b>
HWLB 2020-100	1	1.6	10	1.98	16"	45	4	58,48	<b>46,78</b>
HWLB 2020-100-6	1	1.6	10	1.98	16"	50	6	74,51	<b>59,61</b>
HWLB 2020-120	1	1.6	12	1.98	16"	45	4	58,48	<b>46,78</b>
HWLB 2020-120-6	1	1.6	12	1.98	16"	50	6	74,12	<b>59,30</b>
HWLB 2020-140	1	1.6	14	1.98	16"	50	4	58,48	<b>46,78</b>
HWLB 2020-160	1	1.6	16	1.98	16"	50	4	58,48	<b>46,78</b>
HWLB 2020-160-6	1	1.6	16	1.98	16"	60	6	74,12	<b>59,30</b>
HWLB 2020-180	1	1.6	18	1.98	16"	55	4	58,48	<b>46,78</b>
HWLB 2020-200	1	1.6	20	1.98	16"	55	4	58,48	<b>46,78</b>

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HWLB 2020-200-6	1	1.6	20	1.98	16"	70	6	74,12	<b>59,30</b>
HWLB 2020-220	1	1.6	22	1.98	16"	60	4	80,69	<b>64,55</b>
HWLB 2020-250	1	1.6	25	1.98	16"	65	4	80,69	<b>64,55</b>
HWLB 2020-300	1	1.6	30	1.98	16"	70	4	93,06	<b>74,45</b>
HWLB 2020-350	1	1.6	35	1.98	16"	80	4	126,79	<b>101,43</b>
HWLB 2020-400	1	1.6	40	1.98	16"	80	4	126,79	<b>101,43</b>
HWLB 2025-060	1.25	2	6	2.45	16"	45	4	63,39	<b>50,71</b>
HWLB 2025-100	1.25	2	10	2.45	16"	45	4	65,67	<b>52,54</b>
HWLB 2025-150	1.25	2	15	2.45	16"	50	4	69,17	<b>55,34</b>
HWLB 2025-200	1.25	2	20	2.45	16"	55	4	80,69	<b>64,55</b>
HWLB 2025-250	1.25	2	25	2.45	16"	65	4	86,46	<b>69,17</b>
HWLB 2030-060-3	1.5	2.4	6	2.95	-	60	3	46,10	<b>36,88</b>
HWLB 2030-060-4	1.5	2.4	6	2.95	16"	60	4	46,10	<b>36,88</b>
HWLB 2030-060	1.5	2.4	6	2.95	16"	60	6	57,62	<b>46,10</b>
HWLB 2030-080	1.5	2.4	8	2.95	16"	60	6	58,48	<b>46,78</b>
HWLB 2030-100	1.5	2.4	10	2.95	16"	60	6	67,09	<b>53,67</b>
HWLB 2030-120	1.5	2.4	12	2.95	16"	60	6	67,09	<b>53,67</b>
HWLB 2030-140	1.5	2.4	14	2.95	16"	60	6	75,77	<b>60,62</b>
HWLB 2030-160	1.5	2.4	16	2.95	16"	60	6	75,77	<b>60,62</b>
HWLB 2030-180	1.5	2.4	18	2.95	16"	60	6	75,77	<b>60,62</b>
HWLB 2030-200	1.5	2.4	20	2.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2030-250	1.5	2.4	25	2.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2030-300	1.5	2.4	30	2.95	16"	70	6	87,32	<b>69,86</b>
HWLB 2030-350	1.5	2.4	35	2.95	16"	80	6	110,35	<b>88,28</b>
HWLB 2030-400	1.5	2.4	40	2.95	16"	80	6	126,79	<b>101,43</b>
HWLB 2040-080-4	2	3.2	8	3.95	-	70	4	49,83	<b>39,86</b>
HWLB 2040-080	2	3.2	8	3.95	16"	70	6	57,62	<b>46,10</b>
HWLB 2040-100	2	3.2	10	3.95	16"	70	6	58,48	<b>46,78</b>
HWLB 2040-120	2	3.2	12	3.95	16"	70	6	67,09	<b>53,67</b>
HWLB 2040-140	2	3.2	14	3.95	16"	70	6	67,09	<b>53,67</b>
HWLB 2040-160	2	3.2	16	3.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2040-180	2	3.2	18	3.95	16"	70	6	67,09	<b>53,67</b>
HWLB 2040-200	2	3.2	20	3.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2040-250	2	3.2	25	3.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2040-300	2	3.2	30	3.95	16"	70	6	75,77	<b>60,62</b>
HWLB 2040-350	2	3.2	35	3.95	16"	80	6	86,46	<b>69,17</b>
HWLB 2040-400	2	3.2	40	3.95	16"	90	6	97,98	<b>78,38</b>
HWLB 2040-450	2	3.2	45	3.95	16"	90	6	124,74	<b>99,79</b>
HWLB 2050-100	2.5	4	10	4.95	16"	70	6	86,46	<b>69,17</b>
HWLB 2050-150	2.5	4	15	4.95	16"	70	6	124,74	<b>99,79</b>
HWLB 2050-200	2.5	4	20	4.95	16"	70	6	124,74	<b>99,79</b>
HWLB 2050-250	2.5	4	25	4.95	16"	70	6	124,74	<b>99,79</b>
HWLB 2050-300	2.5	4	30	4.95	16"	80	6	134,64	<b>107,71</b>
HWLB 2060-100	3	4.8	10	5.95	-	80	6	94,25	<b>75,40</b>
HWLB 2060-150	3	4.8	15	5.95	-	80	6	94,25	<b>75,40</b>
HWLB 2060-200	3	4.8	20	5.95	-	80	6	94,25	<b>75,40</b>
HWLB 2060-250	3	4.8	25	5.95	-	80	6	94,25	<b>75,40</b>
HWLB 2060-300	3	4.8	30	5.95	-	80	6	95,90	<b>76,72</b>
HWLB 2060-350	3	4.8	35	5.95	-	80	6	98,87	<b>79,10</b>
HWLB 2060-400	3	4.8	40	5.95	-	90	6	97,98	<b>78,38</b>
HWLB 2060-450	3	4.8	45	5.95	-	100	6	113,85	<b>91,08</b>
HWLB 2060-500	3	4.8	50	5.95	-	120	6	115,27	<b>92,22</b>
HWLB 2060-600	3	4.8	60	5.95	-	120	6	123,52	<b>98,82</b>

Alternative / Alternatives

HGLB 2T - HSLB 2T

## HGLB Die Mould line - High speed machining

**FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK**  
**BALL NOSE END MILL, FOR RIBBING**

MISURE DISPONIBILI / AVAILABLE SIZES **R 0,05 - 3**



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLB 2001-002	0.05	0.08	0.2	0.095	16°	45	4	138.94	111,15
HGLB 2001-003	0.05	0.08	0.3	0.095	16°	45	4	138.94	111,15
HGLB 2001-005	0.05	0.08	0.5	0.095	16°	45	4	151.07	120,86
HGLB 20015-003	0.075	0.12	0.3	0.14	16°	45	4	161.82	129,46
HGLB 20015-005	0.075	0.12	0.5	0.14	16°	45	4	171.26	137,01
HGLB 20015-0075	0.075	0.12	0.75	0.14	16°	45	4	180.03	144,02
HGLB 20015-010	0.075	0.12	1	0.14	16°	45	4	180.03	144,02
HGLB 2002-003	0.1	0.16	0.3	0.19	16°	45	4	128.35	102,68
HGLB 2002-005	0.1	0.16	0.5	0.19	16°	45	4	128.35	102,68
HGLB 2002-0075	0.1	0.16	0.75	0.19	16°	45	4	128.35	102,68
HGLB 2002-010	0.1	0.16	1	0.19	16°	45	4	128.35	102,68
HGLB 2002-015	0.1	0.16	1.5	0.19	16°	45	4	140.80	112,64
HGLB 2002-020	0.1	0.16	2	0.19	16°	45	4	154.21	123,37
HGLB 2003-005	0.15	0.24	0.5	0.29	16°	45	4	124.99	99,99
HGLB 2003-0075	0.15	0.24	0.75	0.29	16°	45	4	124.99	99,99
HGLB 2003-010	0.15	0.24	1	0.29	16°	45	4	124.99	99,99
HGLB 2003-015	0.15	0.24	1.5	0.29	16°	45	4	136.54	109,23
HGLB 2003-020	0.15	0.24	2	0.29	16°	45	4	136.54	109,23
HGLB 2003-025	0.15	0.24	2.5	0.29	16°	45	4	140.80	112,64
HGLB 2003-030	0.15	0.24	3	0.29	16°	45	4	140.80	112,64
HGLB 2004-005	0.2	0.32	0.5	0.39	16°	45	4	84.77	67,82
HGLB 2004-0075	0.2	0.32	0.75	0.39	16°	45	4	86.24	68,99
HGLB 2004-010	0.2	0.32	1	0.39	16°	45	4	86.24	68,99
HGLB 2004-010-6	0.2	0.32	1	0.39	16°	50	6	128.35	102,68
HGLB 2004-0125	0.2	0.32	1.25	0.39	16°	45	4	87.17	69,74
HGLB 2004-015	0.2	0.32	1.5	0.39	16°	45	4	87.17	69,74
HGLB 2004-015-6	0.2	0.32	1.5	0.39	16°	50	6	129.86	103,89
HGLB 2004-020	0.2	0.32	2	0.39	16°	45	4	90.53	72,42
HGLB 2004-020-6	0.2	0.32	2	0.39	16°	50	6	130.75	104,60
HGLB 2004-025	0.2	0.32	2.5	0.39	16°	45	4	94.08	75,26
HGLB 2004-025-6	0.2	0.32	2.5	0.39	16°	50	6	134.24	107,39
HGLB 2004-030	0.2	0.32	3	0.39	16°	45	4	100.58	80,46
HGLB 2004-030-6	0.2	0.32	3	0.39	16°	50	6	143.07	114,46
HGLB 2004-035	0.2	0.32	3.5	0.39	16°	45	4	107.26	85,81
HGLB 2004-040	0.2	0.32	4	0.39	16°	45	4	107.26	85,81
HGLB 2005-010	0.25	0.4	1	0.49	16°	45	4	86.21	68,97
HGLB 2005-015	0.25	0.4	1.5	0.49	16°	45	4	86.24	68,99
HGLB 2005-020	0.25	0.4	2	0.49	16°	45	4	86.24	68,99

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLB 2005-025	0.25	0.4	2.5	0.49	16°	45	4	86.24	68,99
HGLB 2005-030	0.25	0.4	3	0.49	16°	45	4	86.24	68,99
HGLB 2005-035	0.25	0.4	3.5	0.49	16°	45	4	86.24	68,99
HGLB 2005-040	0.25	0.4	4	0.49	16°	45	4	86.24	68,99
HGLB 2005-045	0.25	0.4	4.5	0.49	16°	45	4	87.17	69,74
HGLB 2005-050	0.25	0.4	5	0.49	16°	45	4	87.17	69,74
HGLB 2005-060	0.25	0.4	6	0.49	16°	45	4	90.53	72,42
HGLB 2006-010	0.3	0.48	1	0.59	16°	45	4	64.67	51,74
HGLB 2006-015	0.3	0.48	1.5	0.59	16°	45	4	66.11	52,89
HGLB 2006-015-6	0.3	0.48	1.5	0.59	16°	50	6	103.14	82,51
HGLB 2006-020	0.3	0.48	2	0.59	16°	45	4	66.11	52,89
HGLB 2006-020-6	0.3	0.48	2	0.59	16°	50	6	104.16	83,33
HGLB 2006-025	0.3	0.48	2.5	0.59	16°	45	4	67.04	53,63
HGLB 2006-025-6	0.3	0.48	2.5	0.59	16°	50	6	103.14	82,51
HGLB 2006-030	0.3	0.48	3	0.59	16°	45	4	67.04	53,63
HGLB 2006-030-6	0.3	0.48	3	0.59	16°	50	6	104.13	83,30
HGLB 2006-035	0.3	0.48	3.5	0.59	16°	45	4	70.43	56,34
HGLB 2006-040	0.3	0.48	4	0.59	16°	45	4	70.43	56,34
HGLB 2006-045	0.3	0.48	4.5	0.59	16°	45	4	70.43	56,34
HGLB 2006-050	0.3	0.48	5	0.59	16°	45	4	70.43	56,34
HGLB 2006-055	0.3	0.48	5.5	0.59	16°	45	4	70.43	56,34
HGLB 2006-060	0.3	0.48	6	0.59	16°	45	4	70.43	56,34
HGLB 2006-080	0.3	0.48	8	0.59	16°	45	4	94.08	75,26
HGLB 2006-100	0.3	0.48	10	0.59	16°	45	4	95.87	76,70
HGLB 2008-020	0.4	0.64	2	0.79	16°	45	4	66.11	52,89
HGLB 2008-025	0.4	0.64	2.5	0.79	16°	45	4	70.43	56,34
HGLB 2008-030	0.4	0.64	3	0.79	16°	45	4	70.43	56,34
HGLB 2008-040	0.4	0.64	4	0.79	16°	45	4	70.43	56,34
HGLB 2008-050	0.4	0.64	5	0.79	16°	45	4	70.43	56,34
HGLB 2008-060	0.4	0.64	6	0.79	16°	45	4	70.43	56,34
HGLB 2008-070	0.4	0.64	7	0.79	16°	45	4	70.43	56,34
HGLB 2008-080	0.4	0.64	8	0.79	16°	45	4	70.43	56,34
HGLB 2010-020	0.5	0.8	2	0.98	16°	45	4	54.56	43,65
HGLB 2010-020-6	0.5	0.8	2	0.98	16°	50	6	90.53	72,42
HGLB 2010-025	0.5	0.8	2.5	0.98	16°	45	4	54.56	43,65
HGLB 2010-030	0.5	0.8	3	0.98	16°	45	4	56.03	44,82
HGLB 2010-030-6	0.5	0.8	3	0.98	16°	50	6	90.53	72,42
HGLB 2010-040	0.5	0.8	4	0.98	16°	45	4	62.75	50,20
HGLB 2010-040-6	0.5	0.8	4	0.98	16°	50	6	100.58	80,46
HGLB 2010-050	0.5	0.8	5	0.98	16°	45	4	62.75	50,20
HGLB 2010-050-6	0.5	0.8	5	0.98	16°	50	6	100.58	80,46
HGLB 2010-060	0.5	0.8	6	0.98	16°	45	4	68.03	54,42
HGLB 2010-060-6	0.5	0.8	6	0.98	16°	50	6	104.13	83,30
HGLB 2010-070	0.5	0.8	7	0.98	16°	45	4	68.03	54,42
HGLB 2010-070-6	0.5	0.8	7	0.98	16°	50	6	104.13	83,30
HGLB 2010-080	0.5	0.8	8	0.98	16°	45	4	68.03	54,42
HGLB 2010-080-6	0.5	0.8	8	0.98	16°	50	6	104.13	83,30
HGLB 2010-100	0.5	0.8	10	0.98	16°	45	4	68.03	54,42
HGLB 2010-100-6	0.5	0.8	10	0.98	16°	50	6	104.13	83,30
HGLB 2010-120	0.5	0.8	12	0.98	16°	45	4	68.03	54,42
HGLB 2010-140	0.5	0.8	14	0.98	16°	45	4	80.45	64,36
HGLB 2010-160	0.5	0.8	16	0.98	16°	50	4	94.08	75,26
HGLB 2015-030	0.75	1.2	3	1.47	16°	45	4	68.03	54,42
HGLB 2015-030-6	0.75	1.2	3	1.47	16°	50	6	104.90	83,92
HGLB 2015-040	0.75	1.2	4	1.47	16°	45	4	68.03	54,42

# FRESE SFERICHE BALL NOSE END MILLS



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLB 2015-060	0,75	1,2	6	1,47	16°	45	4	68,03	54,42
HGLB 2015-060-6	0,75	1,2	6	1,47	16°	50	6	105,66	84,53
HGLB 2015-080	0,75	1,2	8	1,47	16°	45	4	68,03	54,42
HGLB 2015-080-6	0,75	1,2	8	1,47	16°	50	6	105,66	84,53
HGLB 2015-100	0,75	1,2	10	1,47	16°	45	4	73,76	59,01
HGLB 2015-100-6	0,75	1,2	10	1,47	16°	50	6	105,66	84,53
HGLB 2015-120	0,75	1,2	12	1,47	16°	45	4	80,45	64,36
HGLB 2015-120-6	0,75	1,2	12	1,47	16°	50	6	118,72	94,98
HGLB 2015-140	0,75	1,2	14	1,47	16°	45	4	80,45	64,36
HGLB 2015-160	0,75	1,2	16	1,47	16°	50	4	80,45	64,36
HGLB 2015-200	0,75	1,2	20	1,47	16°	60	4	80,45	64,36
HGLB 2020-030	1	1,6	3	1,98	16°	45	4	54,56	43,65
HGLB 2020-030-6	1	1,6	3	1,98	16°	50	6	90,53	72,42
HGLB 2020-040	1	1,6	4	1,98	16°	45	4	56,03	44,82
HGLB 2020-040-6	1	1,6	4	1,98	16°	50	6	90,53	72,42
HGLB 2020-060	1	1,6	6	1,98	16°	45	4	62,75	50,20
HGLB 2020-060-6	1	1,6	6	1,98	16°	50	6	96,54	77,23
HGLB 2020-080	1	1,6	8	1,98	16°	45	4	68,03	54,42
HGLB 2020-080-6	1	1,6	8	1,98	16°	50	6	104,13	83,30
HGLB 2020-100	1	1,6	10	1,98	16°	45	4	68,03	54,42
HGLB 2020-100-6	1	1,6	10	1,98	16°	50	6	104,13	83,30
HGLB 2020-120	1	1,6	12	1,98	16°	45	4	68,03	54,42
HGLB 2020-120-6	1	1,6	12	1,98	16°	50	6	104,13	83,30
HGLB 2020-140	1	1,6	14	1,98	16°	45	4	68,03	54,42
HGLB 2020-160	1	1,6	16	1,98	16°	45	4	68,03	54,42
HGLB 2020-200	1	1,6	20	1,98	16°	60	4	68,03	54,42
HGLB 2020-250	1	1,6	25	1,98	16°	60	4	95,87	76,70
HGLB 2020-300	1	1,6	30	1,98	16°	70	4	107,26	85,81
HGLB 2030-060	1,5	2,4	6	2,95	16°	60	6	68,03	54,42
HGLB 2030-080	1,5	2,4	8	2,95	16°	60	6	68,03	54,42
HGLB 2030-100	1,5	2,4	10	2,95	16°	60	6	80,45	64,36
HGLB 2030-120	1,5	2,4	12	2,95	16°	60	6	84,35	67,48
HGLB 2030-140	1,5	2,4	14	2,95	16°	60	6	91,81	73,45
HGLB 2030-160	1,5	2,4	16	2,95	16°	60	6	91,81	73,45
HGLB 2030-180	1,5	2,4	18	2,95	16°	60	6	92,38	73,90
HGLB 2030-200	1,5	2,4	20	2,95	16°	70	6	87,17	69,74
HGLB 2030-220	1,5	2,4	22	2,95	16°	70	6	87,71	70,17
HGLB 2030-250	1,5	2,4	25	2,95	16°	70	6	87,17	69,74
HGLB 2030-270	1,5	2,4	27	2,95	16°	70	6	87,71	70,17
HGLB 2030-300	1,5	2,4	30	2,95	16°	70	6	100,32	80,26
HGLB 2040-080	2	3,2	8	3,95	16°	70	6	70,43	56,34
HGLB 2040-100	2	3,2	10	3,95	16°	70	6	70,43	56,34
HGLB 2040-120	2	3,2	12	3,95	16°	70	6	91,81	73,45
HGLB 2040-140	2	3,2	14	3,95	16°	70	6	91,81	73,45
HGLB 2040-160	2	3,2	16	3,95	16°	70	6	91,81	73,45
HGLB 2040-180	2	3,2	18	3,95	16°	70	6	93,86	75,09
HGLB 2040-200	2	3,2	20	3,95	16°	70	6	91,81	73,45
HGLB 2040-220	2	3,2	22	3,95	16°	70	6	93,86	75,09
HGLB 2040-250	2	3,2	25	3,95	16°	70	6	91,81	73,45
HGLB 2040-270	2	3,2	27	3,95	16°	70	6	93,86	75,09
HGLB 2040-300	2	3,2	30	3,95	16°	70	6	91,81	73,45
HGLB 2040-350	2	3,2	35	3,95	16°	80	6	105,66	84,53
HGLB 2040-400	2	3,2	40	3,95	16°	90	6	117,41	93,93
HGLB 2060-100	3	4,8	10	5,95	-	80	6	114,40	91,52
HGLB 2060-150	3	4,8	15	5,95	-	80	6	114,40	91,52

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
HGLB 2060-180	3	4,8	18	5,95	-	80	6	115,71	92,57
HGLB 2060-200	3	4,8	20	5,95	-	80	6	114,40	91,52
HGLB 2060-250	3	4,8	25	5,95	-	80	6	114,40	91,52
HGLB 2060-300	3	4,8	30	5,95	-	80	6	117,41	93,93
HGLB 2060-350	3	4,8	35	5,95	-	80	6	117,41	93,93
HGLB 2060-400	3	4,8	40	5,95	-	90	6	127,94	102,35
HGLB 2060-500	3	4,8	50	5,95	-	120	6	138,46	110,77

Alternative / Alternatives

HSLB 2T

# FRESE SFERICHE BALL NOSE END MILLS



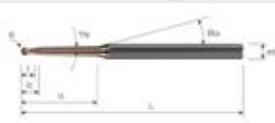
## HTNB

Die Mould line - High speed machining

FRESA SFERICA 2T PER NERVATURE / 2 FLUTES LONG NECK

BALL NOSE END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES R 0,05 - 3



Cod.	R	TN	l	lc	li	Ød1	Bta	L	Ød	Listino	Promo
HTNB 2002-015-1	0.1	30°	0.16	-	1.5	-	16°	50	4	119.69	95,75
HTNB 2002-020-1	0.1	30°	0.16	-	2	-	16°	50	4	125.15	100,12
HTNB 2002-030-1	0.1	30°	0.16	-	3	-	16°	50	4	150.66	120,53
HTNB 2002-015-2	0.1	1°	0.16	-	1.5	-	16°	50	4	119.69	95,75
HTNB 2002-020-2	0.1	1°	0.16	-	2	-	16°	50	4	125.15	100,12
HTNB 2002-030-2	0.1	1°	0.16	-	3	-	16°	50	4	150.66	120,53
HTNB 2002-015-3	0.1	1°30'	0.16	-	1.5	-	16°	50	4	119.69	95,75
HTNB 2002-020-3	0.1	1°30'	0.16	-	2	-	16°	50	4	125.15	100,12
HTNB 2002-030-3	0.1	1°30'	0.16	-	3	-	16°	50	4	150.66	120,53
HTNB 2003-020-1	0.15	30°	0.24	-	2	-	16°	50	4	119.69	95,75
HTNB 2003-030-1	0.15	30°	0.24	-	3	-	16°	50	4	125.15	100,12
HTNB 2003-020-2	0.15	1°	0.24	-	2	-	16°	50	4	119.69	95,75
HTNB 2003-030-2	0.15	1°	0.24	-	3	-	16°	50	4	125.15	100,12
HTNB 2003-020-3	0.15	1°30'	0.24	-	2	-	16°	50	4	119.69	95,75
HTNB 2003-030-3	0.15	1°30'	0.24	-	3	-	16°	50	4	125.15	100,12
HTNB 2004-030-1	0.2	30°	0.32	-	3	-	16°	50	4	87.08	69,66
HTNB 2004-040-1	0.2	30°	0.32	-	4	-	16°	50	4	88.75	71,00
HTNB 2004-060-1	0.2	30°	0.32	-	6	-	16°	50	4	95.42	76,34
HTNB 2004-030-2	0.2	1°	0.32	-	3	-	16°	50	4	87.08	69,66
HTNB 2004-040-2	0.2	1°	0.32	-	4	-	16°	50	4	88.75	71,00
HTNB 2004-060-2	0.2	1°	0.32	-	6	-	16°	50	4	95.42	76,34
HTNB 2004-030-3	0.2	1°30'	0.32	-	3	-	16°	50	4	87.08	69,66
HTNB 2004-040-3	0.2	1°30'	0.32	-	4	-	16°	50	4	88.75	71,00
HTNB 2004-060-3	0.2	1°30'	0.32	-	6	-	16°	50	4	95.42	76,34
HTNB 2005-040-1	0.25	30°	0.4	-	4	-	16°	50	4	82.46	65,97
HTNB 2005-060-1	0.25	30°	0.4	-	6	-	16°	50	4	86.21	68,97
HTNB 2005-080-1	0.25	30°	0.4	-	8	-	16°	50	4	89.99	71,99
HTNB 2005-100-1	0.25	30°	0.4	-	10	-	16°	50	4	98.77	79,02
HTNB 2005-040-2	0.25	1°	0.4	-	4	-	16°	50	4	82.46	65,97
HTNB 2005-060-2	0.25	1°	0.4	-	6	-	16°	50	4	86.21	68,97
HTNB 2005-080-2	0.25	1°	0.4	-	8	-	16°	50	4	89.99	71,99
HTNB 2005-100-2	0.25	1°	0.4	-	10	-	16°	50	4	98.77	79,02
HTNB 2005-040-3	0.25	1°30'	0.4	-	4	-	16°	50	4	82.46	65,97
HTNB 2005-060-3	0.25	1°30'	0.4	-	6	-	16°	50	4	86.21	68,97
HTNB 2005-080-3	0.25	1°30'	0.4	-	8	-	16°	50	4	89.99	71,99
HTNB 2005-100-3	0.25	1°30'	0.4	-	10	-	16°	50	4	98.77	79,02
HTNB 2006-040-1	0.3	30°	0.48	0.9	4	0.56	16°	50	4	81.62	65,30
HTNB 2006-060-1	0.3	30°	0.48	0.9	6	0.56	16°	50	4	81.62	65,30

Cod.	R	TN	l	lc	li	Ød1	Bta	L	Ød	Listino	Promo
HTNB 2006-080-1	0.3	30°	0.48	0.9	8	0.56	16°	50	4	84.54	67,63
HTNB 2006-100-1	0.3	30°	0.48	0.9	10	0.56	16°	50	4	84.54	67,63
HTNB 2006-120-1	0.3	30°	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-140-1	0.3	30°	0.48	0.9	14	0.56	16°	50	4	92.50	74,00
HTNB 2006-160-1	0.3	30°	0.48	0.9	16	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-1	0.3	30°	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2006-040-2	0.3	1°	0.48	0.9	4	0.56	16°	50	4	81.62	65,30
HTNB 2006-060-2	0.3	1°	0.48	0.9	6	0.56	16°	50	4	81.62	65,30
HTNB 2006-080-2	0.3	1°	0.48	0.9	8	0.56	16°	50	4	84.54	67,63
HTNB 2006-100-2	0.3	1°	0.48	0.9	10	0.56	16°	50	4	84.54	67,63
HTNB 2006-120-2	0.3	1°	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-140-2	0.3	1°	0.48	0.9	14	0.56	16°	50	4	92.50	74,00
HTNB 2006-160-2	0.3	1°	0.48	0.9	16	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-2	0.3	1°	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2006-040-3	0.3	1°30'	0.48	0.9	4	0.56	16°	50	4	81.62	65,30
HTNB 2006-060-3	0.3	1°30'	0.48	0.9	6	0.56	16°	50	4	81.62	65,30
HTNB 2006-080-3	0.3	1°30'	0.48	0.9	8	0.56	16°	50	4	84.54	67,63
HTNB 2006-100-3	0.3	1°30'	0.48	0.9	10	0.56	16°	50	4	84.54	67,63
HTNB 2006-120-3	0.3	1°30'	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-140-3	0.3	1°30'	0.48	0.9	14	0.56	16°	50	4	92.50	74,00
HTNB 2006-160-3	0.3	1°30'	0.48	0.9	16	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-3	0.3	1°30'	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2006-080-4	0.3	2°	0.48	0.9	8	0.56	16°	50	4	84.54	67,63
HTNB 2006-120-4	0.3	2°	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-4	0.3	2°	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2006-080-6	0.3	3°	0.48	0.9	8	0.56	16°	50	4	84.54	67,63
HTNB 2006-120-6	0.3	3°	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-6	0.3	3°	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2006-120-10	0.3	5°	0.48	0.9	12	0.56	16°	50	4	92.50	74,00
HTNB 2006-200-10	0.3	5°	0.48	0.9	20	0.56	16°	50	4	123.66	98,93
HTNB 2008-060-1	0.4	30°	0.64	1.2	6	0.76	16°	50	4	87.08	69,66
HTNB 2008-080-1	0.4	30°	0.64	1.2	8	0.76	16°	50	4	87.08	69,66
HTNB 2008-120-1	0.4	30°	0.64	1.2	12	0.76	16°	60	4	91.67	73,34
HTNB 2008-160-1	0.4	30°	0.64	1.2	16	0.76	16°	60	4	113.77	91,02
HTNB 2008-060-2	0.4	1°	0.64	1.2	6	0.76	16°	50	4	87.08	69,66
HTNB 2008-080-2	0.4	1°	0.64	1.2	8	0.76	16°	50	4	87.08	69,66
HTNB 2008-120-2	0.4	1°	0.64	1.2	12	0.76	16°	60	4	91.67	73,34
HTNB 2008-160-2	0.4	1°	0.64	1.2	16	0.76	16°	60	4	113.77	91,02
HTNB 2008-060-3	0.4	1°30'	0.64	1.2	6	0.76	16°	50	4	87.08	69,66
HTNB 2008-080-3	0.4	1°30'	0.64	1.2	8	0.76	16°	50	4	87.08	69,66
HTNB 2008-120-3	0.4	1°30'	0.64	1.2	12	0.76	16°	60	4	91.67	73,34
HTNB 2008-160-3	0.4	1°30'	0.64	1.2	16	0.76	16°	60	4	113.77	91,02
HTNB 2010-060-1	0.5	30°	0.8	1.5	6	0.95	16°	50	4	70.74	56,59
HTNB 2010-080-1	0.5	30°	0.8	1.5	8	0.95	16°	50	4	70.74	56,59
HTNB 2010-100-1	0.5	30°	0.8	1.5	10	0.95	16°	50	4	70.74	56,59
HTNB 2010-120-1	0.5	30°	0.8	1.5	12	0.95	16°	50	4	70.74	56,59
HTNB 2010-140-1	0.5	30°	0.8	1.5	14	0.95	16°	50	4	70.74	56,59
HTNB 2010-160-1	0.5	30°	0.8	1.5	16	0.95	16°	50	4	70.74	56,59
HTNB 2010-180-1	0.5	30°	0.8	1.5	18	0.95	16°	50	4	70.74	56,59
HTNB 2010-200-1	0.5	30°	0.8	1.5	20	0.95	16°	60	4	87.08	69,66
HTNB 2010-220-1	0.5	30°	0.8	1.5	22	0.95	16°	60	4	90.83	72,66
HTNB 2010-260-1	0.5	30°	0.8	1.5	26	0.95	16°	65	4	95.42	76,34
HTNB 2010-300-1	0.5	30°	0.8	1.5	30	0.95	16°	70	4	100.84	80,67
HTNB 2010-320-1	0.5	30°	0.8	1.5	32	0.95	16°	70	4	100.84	80,67
HTNB 2010-360-1	0.5	30°	0.8	1.5	36	0.95	16°	80	4	105.06	84,05

# FRESE SFERICHE BALL NOSE END MILLS



Cod.	R	TN	l	lc	l1	ød1	Bta	L	ød	Listino	Promo
HTNB 2010-060-2	0.5	1"	0.8	1.5	6	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-080-2	0.5	1"	0.8	1.5	8	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-100-2	0.5	1"	0.8	1.5	10	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-120-2	0.5	1"	0.8	1.5	12	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-140-2	0.5	1"	0.8	1.5	14	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-160-2	0.5	1"	0.8	1.5	16	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-180-2	0.5	1"	0.8	1.5	18	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-200-2	0.5	1"	0.8	1.5	20	0.95	16"	60	4	87,08	<b>69,66</b>
HTNB 2010-220-2	0.5	1"	0.8	1.5	22	0.95	16"	60	4	90,83	<b>72,66</b>
HTNB 2010-260-2	0.5	1"	0.8	1.5	26	0.95	16"	65	4	95,42	<b>76,34</b>
HTNB 2010-300-2	0.5	1"	0.8	1.5	30	0.95	16"	70	4	100,84	<b>80,67</b>
HTNB 2010-320-2	0.5	1"	0.8	1.5	32	0.95	16"	70	4	100,84	<b>80,67</b>
HTNB 2010-360-2	0.5	1"	0.8	1.5	36	0.95	16"	80	4	105,06	<b>84,05</b>
HTNB 2010-060-3	0.5	1'30"	0.8	1.5	6	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-080-3	0.5	1'30"	0.8	1.5	8	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-100-3	0.5	1'30"	0.8	1.5	10	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-120-3	0.5	1'30"	0.8	1.5	12	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-140-3	0.5	1'30"	0.8	1.5	14	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-160-3	0.5	1'30"	0.8	1.5	16	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-180-3	0.5	1'30"	0.8	1.5	18	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-200-3	0.5	1'30"	0.8	1.5	20	0.95	16"	60	4	87,08	<b>69,66</b>
HTNB 2010-220-3	0.5	1'30"	0.8	1.5	22	0.95	16"	60	4	90,83	<b>72,66</b>
HTNB 2010-260-3	0.5	1'30"	0.8	1.5	26	0.95	16"	65	4	95,42	<b>76,34</b>
HTNB 2010-300-3	0.5	1'30"	0.8	1.5	30	0.95	16"	70	4	100,84	<b>80,67</b>
HTNB 2010-320-3	0.5	1'30"	0.8	1.5	32	0.95	16"	70	4	100,84	<b>80,67</b>
HTNB 2010-360-3	0.5	1'30"	0.8	1.5	36	0.95	16"	80	4	105,06	<b>84,05</b>
HTNB 2010-120-4	0.5	2"	0.8	1.5	12	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-160-4	0.5	2"	0.8	1.5	16	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-200-4	0.5	2"	0.8	1.5	20	0.95	16"	60	4	90,83	<b>72,66</b>
HTNB 2010-300-4	0.5	2"	0.8	1.5	30	0.95	16"	70	4	100,84	<b>80,67</b>
HTNB 2010-120-6	0.5	3"	0.8	1.5	12	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-160-6	0.5	3"	0.8	1.5	16	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-200-6	0.5	3"	0.8	1.5	20	0.95	16"	60	4	90,83	<b>72,66</b>
HTNB 2010-298-6	0.5	3"	0.8	1.5	29.8	0.95	-	70	4	100,84	<b>80,67</b>
HTNB 2010-120-10	0.5	5"	0.8	1.5	12	0.95	16"	50	4	70,74	<b>56,59</b>
HTNB 2010-200-10	0.5	5"	0.8	1.5	20	0.95	16"	70	6	90,83	<b>72,66</b>
HTNB 2015-100-1	0.75	30'	1.2	2.25	10	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-120-1	0.75	30'	1.2	2.25	12	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-160-1	0.75	30'	1.2	2.25	16	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-200-1	0.75	30'	1.2	2.25	20	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-220-1	0.75	30'	1.2	2.25	22	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-260-1	0.75	30'	1.2	2.25	26	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-300-1	0.75	30'	1.2	2.25	30	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-360-1	0.75	30'	1.2	2.25	36	1.42	16"	80	4	100,04	<b>80,03</b>
HTNB 2015-100-2	0.75	1"	1.2	2.25	10	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-120-2	0.75	1"	1.2	2.25	12	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-160-2	0.75	1"	1.2	2.25	16	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-200-2	0.75	1"	1.2	2.25	20	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-260-2	0.75	1"	1.2	2.25	26	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-300-2	0.75	1"	1.2	2.25	30	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-360-2	0.75	1"	1.2	2.25	36	1.42	16"	80	4	100,04	<b>80,03</b>
HTNB 2015-100-3	0.75	1'30"	1.2	2.25	10	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-120-3	0.75	1'30"	1.2	2.25	12	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB 2015-160-3	0.75	1'30"	1.2	2.25	16	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-200-3	0.75	1'30"	1.2	2.25	20	1.42	16"	60	4	78,28	<b>62,62</b>
HTNB 2015-260-3	0.75	1'30"	1.2	2.25	26	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-300-3	0.75	1'30"	1.2	2.25	30	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-360-3	0.75	1'30"	1.2	2.25	36	1.42	16"	80	4	100,04	<b>80,03</b>
HTNB 2020-120-1	1	30'	1.6	3	12	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-160-1	1	30'	1.6	3	16	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-200-1	1	30'	1.6	3	20	1.91	16"	60	4	78,28	<b>62,62</b>
HTNB 2020-220-1	1	30'	1.6	3	22	1.91	16"	60	4	81,62	<b>65,30</b>
HTNB 2020-240-1	1	30'	1.6	3	24	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-260-1	1	30'	1.6	3	26	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-280-1	1	30'	1.6	3	28	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-300-1	1	30'	1.6	3	30	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-320-1	1	30'	1.6	3	32	1.91	16"	70	4	98,77	<b>79,02</b>
HTNB 2020-340-1	1	30'	1.6	3	34	1.91	16"	70	4	103,39	<b>82,71</b>
HTNB 2020-360-1	1	30'	1.6	3	36	1.91	16"	80	4	103,39	<b>82,71</b>
HTNB 2020-400-1	1	30'	1.6	3	40	1.91	16"	80	4	113,00	<b>90,40</b>
HTNB 2020-100-2	1	1"	1.6	3	10	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-120-2	1	1"	1.6	3	12	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-160-2	1	1"	1.6	3	16	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-200-2	1	1"	1.6	3	20	1.91	16"	60	4	78,28	<b>62,62</b>
HTNB 2020-220-2	1	1"	1.6	3	22	1.91	16"	60	4	81,62	<b>65,30</b>
HTNB 2020-240-2	1	1"	1.6	3	24	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-260-2	1	1"	1.6	3	26	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-280-2	1	1"	1.6	3	28	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-300-2	1	1"	1.6	3	30	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-320-2	1	1"	1.6	3	32	1.91	16"	70	4	98,77	<b>79,02</b>
HTNB 2020-340-2	1	1"	1.6	3	34	1.91	16"	70	4	103,39	<b>82,71</b>
HTNB 2020-360-2	1	1"	1.6	3	36	1.91	16"	80	4	103,39	<b>82,71</b>
HTNB 2020-400-2	1	1"	1.6	3	40	1.91	16"	80	4	118,85	<b>95,08</b>
HTNB 2020-100-3	1	1'30"	1.6	3	10	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-120-3	1	1'30"	1.6	3	12	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-160-3	1	1'30"	1.6	3	16	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-200-3	1	1'30"	1.6	3	20	1.91	16"	60	4	78,28	<b>62,62</b>
HTNB 2020-220-3	1	1'30"	1.6	3	22	1.91	16"	60	4	81,62	<b>65,30</b>
HTNB 2020-240-3	1	1'30"	1.6	3	24	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-260-3	1	1'30"	1.6	3	26	1.91	16"	60	4	88,75	<b>71,00</b>
HTNB 2020-280-3	1	1'30"	1.6	3	28	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-300-3	1	1'30"	1.6	3	30	1.91	16"	70	4	95,85	<b>76,68</b>
HTNB 2020-320-3	1	1'30"	1.6	3	32	1.91	16"	70	4	98,77	<b>79,02</b>
HTNB 2020-340-3	1	1'30"	1.6	3	34	1.91	16"	70	4	103,39	<b>82,71</b>
HTNB 2020-360-3	1	1'30"	1.6	3	36	1.91	16"	80	4	103,39	<b>82,71</b>
HTNB 2020-400-3	1	1'30"	1.6	3	40	1.91	16"	80	4	118,85	<b>95,08</b>
HTNB 2020-120-4	1	2"	1.6	3	12	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-160-4	1	2"	1.6	3	16	1.91	16"	60	4	73,66	<b>58,93</b>
HTNB 2020-200-4	1	2"	1.6	3	20	1.91	16"	60	4	81,62	<b>65,30</b>
HTNB 2020-300-4	1	2"	1.6	3	30	1.91	16"	70	6	104,04	<b>83,23</b>
HTNB 2020-400-4	1	2"	1.6	3	40	1.91	16"	80	6	127,10	<b>101,68</b>
HTNB 2020-120-6	1	3"	1.6	3	12	1.91	16"	60	4	73,66	<b>58,93</b>

Cod.	R	TN	l	lc	l1	ød1	Bta	L	ød	Listino	Promo
HTNB 2015-260-3	0.75	1'30"	1.2	2.25	26	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-300-3	0.75	1'30"	1.2	2.25	30	1.42	16"	70	4	84,94	<b>67,95</b>
HTNB 2015-360-3	0.75	1'30"	1.2	2.25	36	1.42	16"	80	4	100,04	<b>80,03</b>
HTNB 2015-120-4	0.75	2"	1.2	2.25	12	1.42	16"	60	4	71,98	<b>57,58</b>
HTNB											

Cod.	R	TN	l	lc	l1	ød1	Bta	L	ød	Listino	Promo
HTNB 2020-160-6	1	3°	1.6	3	16	1.91	16°	60	4	73.66	58,93
HTNB 2020-200-6	1	3°	1.6	3	20	1.91	16°	60	4	81.62	65,30
HTNB 2020-300-6	1	3°	1.6	3	30	1.91	16°	70	6	104.04	83,23
HTNB 2020-400-6	1	3°	1.6	3	40	1.91	16°	80	6	127.10	101,68
HTNB 2030-200-1	1.5	30'	2.4	4.5	20	2.89	16°	60	6	88.29	70,63
HTNB 2030-220-1	1.5	30'	2.4	4.5	22	2.89	16°	60	6	88.29	70,63
HTNB 2030-260-1	1.5	30'	2.4	4.5	26	2.89	16°	70	6	94.18	75,34
HTNB 2030-300-1	1.5	30'	2.4	4.5	30	2.89	16°	70	6	107.57	86,06
HTNB 2030-320-1	1.5	30'	2.4	4.5	32	2.89	16°	70	6	123.47	98,78
HTNB 2030-360-1	1.5	30'	2.4	4.5	36	2.89	16°	80	6	118.05	94,44
HTNB 2030-400-1	1.5	30'	2.4	4.5	40	2.89	16°	80	6	119.69	95,75
HTNB 2030-420-1	1.5	30'	2.4	4.5	42	2.89	16°	90	6	136.03	108,82
HTNB 2030-520-1	1.5	30'	2.4	4.5	52	2.89	16°	100	6	152.37	121,90
HTNB 2030-200-2	1.5	1°	2.4	4.5	20	2.89	16°	60	6	88.29	70,63
HTNB 2030-260-2	1.5	1°	2.4	4.5	26	2.89	16°	70	6	94.18	75,34
HTNB 2030-300-2	1.5	1°	2.4	4.5	30	2.89	16°	70	6	107.57	86,06
HTNB 2030-320-2	1.5	1°	2.4	4.5	32	2.89	16°	70	6	123.47	98,78
HTNB 2030-360-2	1.5	1°	2.4	4.5	36	2.89	16°	80	6	118.05	94,44
HTNB 2030-400-2	1.5	1°	2.4	4.5	40	2.89	16°	80	6	119.69	95,75
HTNB 2030-420-2	1.5	1°	2.4	4.5	42	2.89	16°	90	6	136.03	108,82
HTNB 2030-480-2	1.5	1°	2.4	4.5	48	2.89	16°	100	6	152.37	121,90
HTNB 2030-520-2	1.5	1°	2.4	4.5	52	2.89	16°	100	6	152.37	121,90
HTNB 2030-620-2	1.5	1°	2.4	4.5	62	2.89	16°	100	6	180.85	144,68
HTNB 2030-200-3	1.5	1°30'	2.4	4.5	20	2.89	16°	60	6	88.29	70,63
HTNB 2030-260-3	1.5	1°30'	2.4	4.5	26	2.89	16°	70	6	94.18	75,34
HTNB 2030-300-3	1.5	1°30'	2.4	4.5	30	2.89	16°	70	6	107.57	86,06
HTNB 2030-320-3	1.5	1°30'	2.4	4.5	32	2.89	16°	70	6	123.47	98,78
HTNB 2030-360-3	1.5	1°30'	2.4	4.5	36	2.89	16°	80	6	118.05	94,44
HTNB 2030-400-3	1.5	1°30'	2.4	4.5	40	2.89	16°	80	6	119.69	95,75
HTNB 2030-420-3	1.5	1°30'	2.4	4.5	42	2.89	16°	90	6	136.03	108,82
HTNB 2030-580-3	1.5	1°30'	2.4	4.5	58	2.89	16°	100	6	160.74	128,59
HTNB 2040-300-1	2	30°	3.2	6	30	3.87	16°	80	6	105.12	84,10
HTNB 2040-400-1	2	30°	3.2	6	40	3.87	16°	80	6	136.03	108,82
HTNB 2040-620-1	2	30°	3.2	6	62	3.87	16°	120	6	180.39	144,31
HTNB 2040-200-2	2	1°	3.2	6	20	3.87	16°	80	6	105.12	84,10
HTNB 2040-300-2	2	1°	3.2	6	30	3.87	16°	80	6	105.12	84,10
HTNB 2040-360-2	2	1°	3.2	6	36	3.87	16°	80	6	121.71	97,37
HTNB 2040-400-2	2	1°	3.2	6	40	3.87	16°	80	6	136.03	108,82
HTNB 2040-600-2	2	1°	3.2	6	60	3.87	16°	120	6	180.39	144,31
HTNB 2040-410-3	2	1°30'	3.2	6	41	3.87	16°	80	6	136.03	108,82
HTNB 2040-600-3	2	1°30'	3.2	6	60	3.87	16°	120	8	253.95	203,16
HTNB 2040-800-3	2	1°30'	3.2	6	80	3.87	-	130	8	275.34	220,27

Alternative / Alternatives  
5642 2T

## CSEB

Die Mould line - High speed machining

### FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES R 0,05 - 6



Cod.	R	l	Bta	L	ød	Listino	Promo
CSEB 1001-0020-6	0.05	0.2	11°	50	6	137.12	109,70
CSEB 2001-0010	0.05	0.1	11°	50	4	106.54	85,23
CSEB 2002-0020-6	0.1	0.2	11°	50	6	101.27	81,02
CSEB 2002-0030	0.1	0.3	11°	50	4	86.69	69,35
CSEB 2003-0030	0.15	0.3	11°	50	4	70.48	56,38
CSEB 2003-0030-6	0.15	0.3	11°	50	6	85.11	68,09
CSEB 2003-0045	0.15	0.45	11°	50	4	70.48	56,38
CSEB 2004-0040	0.2	0.4	11°	50	4	47.87	38,30
CSEB 2004-0040-6	0.2	0.4	11°	50	6	62.37	49,90
CSEB 2004-0060	0.2	0.6	11°	50	4	47.87	38,30
CSEB 2005-0050	0.25	0.5	11°	50	4	44.36	35,49
CSEB 2005-0050-6	0.25	0.5	11°	50	6	53.20	42,56
CSEB 2005-0075	0.25	0.75	11°	50	4	44.36	35,49
CSEB 2006-0060	0.3	0.6	11°	50	4	42.92	34,34
CSEB 2006-0060-6	0.3	0.6	11°	50	6	56.58	45,26
CSEB 2006-0090	0.3	0.9	11°	50	4	42.92	34,34
CSEB 2007-0100	0.35	1	11°	50	4	82.14	65,71
CSEB 2008-0080	0.4	0.8	11°	50	4	42.92	34,34
CSEB 2008-0080-6	0.4	0.8	11°	50	6	56.58	45,26
CSEB 2008-0120	0.4	1.2	11°	50	4	42.92	34,34
CSEB 2009-0130	0.45	1.3	11°	50	4	82.14	65,71
CSEB 2010-0100	0.5	1	11°	50	4	39.49	31,59
CSEB 2010-0100-6	0.5	1	11°	50	6	52.88	42,30
CSEB 2010-0150	0.5	1.5	11°	50	4	39.49	31,59
CSEB 2010-0250	0.5	2.5	11°	50	4	39.49	31,59
CSEB 2011-0160	0.55	1.6	11°	50	4	94.85	75,88
CSEB 2012-0180	0.6	1.8	11°	50	4	55.19	44,15
CSEB 2013-0190	0.65	1.9	11°	50	4	94.85	75,88
CSEB 2014-0210	0.7	2.1	11°	50	4	55.19	44,15
CSEB 2015-0150	0.75	1.5	11°	50	4	47.87	38,30
CSEB 2015-0150-6	0.75	1.5	11°	50	6	61.77	49,42
CSEB 2015-0200	0.75	2	11°	50	4	47.87	38,30
CSEB 2015-0225	0.75	2.25	11°	50	4	47.87	38,30
CSEB 2015-0400	0.75	4	11°	50	4	47.87	38,30
CSEB 2016-0240	0.8	2.4	11°	50	4	55.19	44,15
CSEB 2017-0250	0.85	2.5	11°	50	4	94.85	75,88
CSEB 2018-0270	0.9	2.7	11°	50	4	82.14	65,71
CSEB 2019-0280	0.95	2.8	11°	50	4	94.85	75,88

Cod.	R	l	Bta	L	ød	Listino	Promo
CSEB 2020-0200	1	2	11°	50	4	34,73	27,78
CSEB 2020-0200-6	1	2	11°	60	6	47,87	38,30
CSEB 2020-0300	1	3	11°	60	4	34,73	27,78
CSEB 2020-0600	1	6	11°	60	4	34,73	27,78
CSEB 2025-0250	1,25	2,5	11°	50	4	53,37	42,70
CSEB 2025-0250-6	1,25	2,5	11°	60	6	64,98	51,98
CSEB 2025-0375	1,25	3,75	11°	50	4	53,37	42,70
CSEB 2025-0600	1,25	6	11°	60	4	53,37	42,70
CSEB 2030-0300	1,5	3	11°	50	6	42,70	34,16
CSEB 2030-0450	1,5	4,5	11°	70	6	44,96	35,97
CSEB 2030-0800	1,5	8	11°	70	6	44,96	35,97
CSEB 2035-0520	1,75	5,2	11°	70	6	79,75	63,80
CSEB 2040-0400	2	4	11°	50	6	46,02	36,82
CSEB 2040-0600-4	2	6	-	70	4	48,42	38,74
CSEB 2040-0600	2	6	11°	70	6	48,42	38,74
CSEB 2040-0800	2	8	11°	70	6	48,42	38,74
CSEB 2045-0670	2,25	6,7	11°	70	6	108,45	86,76
CSEB 2050-0500	2,5	5	11°	50	6	52,71	42,17
CSEB 2050-0750	2,5	7,5	11°	80	6	58,53	46,82
CSEB 2050-0800	2,5	8	11°	80	6	58,53	46,82
CSEB 2050-1200	2,5	12	11°	80	6	58,53	46,82
CSEB 2055-0820	2,75	8,2	11°	80	6	118,67	94,94
CSEB 2060-0600	3	6	-	50	6	56,14	44,91
CSEB 2060-0900	3	9	-	80	6	62,37	49,90
CSEB 2060-1200	3	12	-	80	6	62,37	49,90
CSEB 2065-0970	3,25	9,7	11°	90	8	137,09	109,67
CSEB 2070-1050	3,5	10,5	11°	90	8	109,67	87,74
CSEB 2075-1120	3,75	11,2	11°	90	8	137,09	109,67
CSEB 2080-0800	4	8	-	60	8	86,03	68,82
CSEB 2080-1200	4	12	-	90	8	95,61	76,49
CSEB 2080-1400	4	14	-	90	8	95,61	76,49
CSEB 2085-1270	4,25	12,7	11°	100	10	149,46	119,57
CSEB 2090-1350	4,5	13,5	11°	100	10	149,46	119,57
CSEB 2100-1000	5	10	-	70	10	112,96	90,37
CSEB 2100-1500	5	15	-	100	10	125,56	100,45
CSEB 2100-1800	5	18	-	100	10	125,56	100,45
CSEB 2110-1650	5,5	16,5	11°	110	12	250,02	200,02
CSEB 2120-1200	6	12	-	75	12	160,72	128,58
CSEB 2120-1800	6	18	-	110	12	178,62	142,90
CSEB 2120-2200	6	22	-	110	12	178,62	142,90

Alternative / Alternatives

7612 2T - HSB 2T

## HSB Die Mould line - High speed machining

### FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES R 0,03 - 6



Cod.	R	l	Bta	L	ød	Listino	Promo
HSB 20006-0006	0,03	0,06	11°	50	4	180,10	144,08
HSB 20008-0008	0,04	0,08	11°	50	4	150,08	120,06
HSB 1001-0020-6	0,05	0,2	11°	50	6	161,31	129,05
HSB 2001-0010	0,05	0,1	11°	50	4	125,34	100,27
HSB 2002-0020-6	0,1	0,2	16°	50	6	119,14	95,31
HSB 2002-0030	0,1	0,3	16°	50	4	101,98	81,58
HSB 2003-0030	0,15	0,3	16°	50	4	82,91	66,33
HSB 2003-0030-6	0,15	0,3	16°	50	6	100,13	80,10
HSB 2003-0045	0,15	0,45	16°	50	4	82,91	66,33
HSB 2004-0040	0,2	0,4	16°	50	4	56,32	45,06
HSB 2004-0040-6	0,2	0,4	16°	50	6	73,38	58,70
HSB 2004-0060	0,2	0,6	16°	50	4	56,32	45,06
HSB 2005-0050	0,25	0,5	16°	50	4	52,19	41,75
HSB 2005-0050-6	0,25	0,5	16°	50	6	62,59	50,07
HSB 2005-0075	0,25	0,75	16°	50	4	52,19	41,75
HSB 2006-0060	0,3	0,6	16°	50	4	50,50	40,40
HSB 2006-0060-6	0,3	0,6	16°	50	6	66,56	53,25
HSB 2006-0090	0,3	0,9	16°	50	4	50,50	40,40
HSB 2007-0100	0,35	1	16°	50	4	96,19	76,95
HSB 2008-0080	0,4	0,8	16°	50	4	50,50	40,40
HSB 2008-0080-6	0,4	0,8	16°	50	6	66,56	53,25
HSB 2008-0120	0,4	1,2	16°	50	4	50,50	40,40
HSB 2009-0130	0,45	1,3	16°	50	4	96,19	76,95
HSB 2010-0100	0,5	1	16°	50	4	46,46	37,17
HSB 2010-0100-6	0,5	1	16°	50	6	62,21	49,77
HSB 2010-0150	0,5	1,5	16°	50	4	46,46	37,17
HSB 2010-0250	0,5	2,5	16°	50	4	46,46	37,17
HSB 2011-0160	0,55	1,6	16°	50	4	111,55	89,24
HSB 2012-0180	0,6	1,8	16°	50	4	64,93	51,94
HSB 2013-0190	0,65	1,9	16°	50	4	111,55	89,24
HSB 2014-0210	0,7	2,1	16°	50	4	64,93	51,94
HSB 2015-0150	0,75	1,5	16°	50	4	56,32	45,06
HSB 2015-0150-6	0,75	1,5	16°	50	6	72,67	58,14
HSB 2015-0200	0,75	2	16°	50	4	56,32	45,06
HSB 2015-0225	0,75	2,25	16°	50	4	56,32	45,06
HSB 2015-0400	0,75	4	16°	50	4	56,32	45,06
HSB 2016-0240	0,8	2,4	16°	50	4	64,93	51,94
HSB 2017-0250	0,85	2,5	16°	50	4	111,55	89,24

Cod.	R	l	Bta	L	ød	Listino	Promo
HSB 2018-0270	0,9	2,7	16°	50	4	96,19	<b>76,95</b>
HSB 2019-0280	0,95	2,8	16°	50	4	111,55	<b>89,24</b>
HSB 2020-0200	1	2	16°	50	4	40,86	<b>32,69</b>
HSB 2020-0200-6	1	2	16°	60	6	56,32	<b>45,06</b>
HSB 2020-0300	1	3	16°	50	4	40,86	<b>32,69</b>
HSB 2020-0600	1	6	16°	60	4	40,86	<b>32,69</b>
HSB 2025-0250	1,25	2,5	16°	50	4	62,78	<b>50,22</b>
HSB 2025-0250-6	1,25	2,5	16°	60	6	76,45	<b>61,16</b>
HSB 2025-0375	1,25	3,75	16°	50	4	62,78	<b>50,22</b>
HSB 2025-0600	1,25	6	16°	60	4	62,78	<b>50,22</b>
HSB 2030-0300	1,5	3	16°	50	6	50,24	<b>40,19</b>
HSB 2030-0450	1,5	4,5	16°	70	6	52,90	<b>42,32</b>
HSB 2030-0800	1,5	8	16°	70	6	52,90	<b>42,32</b>
HSB 2040-0400	2	4	16°	50	6	54,14	<b>43,31</b>
HSB 2040-0600-4	2	6	-	70	4	54,11	<b>43,29</b>
HSB 2040-0600	2	6	16°	70	6	56,96	<b>45,57</b>
HSB 2040-0800	2	8	16°	70	6	56,96	<b>45,57</b>
HSB 2050-0500	2,5	5	16°	50	6	62,02	<b>49,62</b>
HSB 2050-0750	2,5	7,5	16°	80	6	68,86	<b>55,09</b>
HSB 2050-0800	2,5	8	16°	80	6	68,86	<b>55,09</b>
HSB 2050-1200	2,5	12	16°	80	6	68,86	<b>55,09</b>
HSB 2060-0600	3	6	-	50	6	66,05	<b>52,84</b>
HSB 2060-0900	3	9	-	80	6	73,38	<b>58,70</b>
HSB 2060-1200	3	12	-	80	6	73,38	<b>58,70</b>
HSB 2080-0800	4	8	-	60	8	101,22	<b>80,98</b>
HSB 2080-1200	4	12	-	90	8	112,48	<b>89,98</b>
HSB 2080-1400	4	14	-	90	8	112,48	<b>89,98</b>
HSB 2100-1000	5	10	-	70	10	132,90	<b>106,32</b>
HSB 2100-1500	5	15	-	100	10	147,71	<b>118,17</b>
HSB 2100-1800	5	18	-	100	10	147,71	<b>118,17</b>
HSB 2120-1200	6	12	-	75	12	189,09	<b>151,27</b>
HSB 2120-1800	6	18	-	110	12	210,14	<b>168,11</b>
HSB 2120-2200	6	22	-	110	12	210,14	<b>168,11</b>

Alternative / Alternatives

7612 2T - CSEB 2T

## HGB

Die Mould line - High speed machining

### FRESA SFERICA 2T SERIE CORTA / 2 FLUTES BALL NOSE END MILL, SHORT SERIES

MISURE DISPONIBILI / AVAILABLE SIZES R 0,05 - 6



Cod.	R	l	Bta	L	ød	Listino	Promo
HGB 2001-0010	0,05	0,1	16°	50	4	156,54	<b>125,23</b>
HGB 20015-0015	0,075	0,15	16°	50	4	152,19	<b>121,75</b>
HGB 2002-0030	0,1	0,3	16°	50	4	110,14	<b>88,11</b>
HGB 2003-0030	0,15	0,3	16°	50	4	89,50	<b>71,60</b>
HGB 2003-0045	0,15	0,45	16°	50	4	89,50	<b>71,60</b>
HGB 2004-0040	0,2	0,4	16°	50	4	60,83	<b>48,66</b>
HGB 2004-0060	0,2	0,6	16°	50	4	60,83	<b>48,66</b>
HGB 2005-0050	0,25	0,5	16°	50	4	56,45	<b>45,16</b>
HGB 2005-0075	0,25	0,75	16°	50	4	56,35	<b>45,08</b>
HGB 2006-0060	0,3	0,6	16°	50	4	54,53	<b>43,62</b>
HGB 2006-0090	0,3	0,9	16°	50	4	54,53	<b>43,62</b>
HGB 2008-0120	0,4	1,2	16°	50	4	54,53	<b>43,62</b>
HGB 2010-0150	0,5	1,5	16°	50	4	50,21	<b>40,17</b>
HGB 2015-0225	0,75	2,25	16°	50	4	60,83	<b>48,66</b>
HSB 2020-0300	1	3	16°	50	4	44,16	<b>35,33</b>
HSB 2025-0375	1,25	3,75	16°	50	4	67,84	<b>54,27</b>
HGB 2030-0450	1,5	4,5	16°	50	6	57,12	<b>45,70</b>
HGB 2040-0600	2	6	16°	50	6	61,47	<b>49,18</b>
HGB 2050-0750	2,5	7,5	16°	50	6	74,40	<b>59,52</b>
HGB 2060-0900	3	9	-	50	6	79,23	<b>63,38</b>

Alternative / Alternatives

HSB 2T

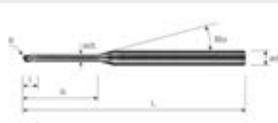
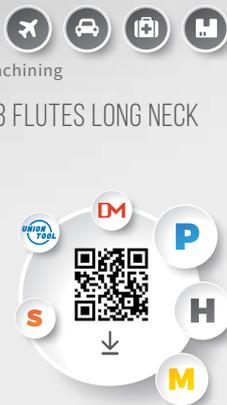
# FRESE SFERICHE BALL NOSE END MILLS



## CFLB Die Mould line - High speed machining

FRESA SFERICA 3T PER NERVATURE / 3 FLUTES LONG NECK  
BALL NOSE END MILL, FOR RIBBING

MISURE DISPONIBILI / AVAILABLE SIZES R 0,3 - 3



Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CFLB 3006-020	0,3	0,48	2	0,58	16°	50	4	81,11	64,89
CFLB 3006-030	0,3	0,48	3	0,58	16°	50	4	83,09	66,47
CFLB 3006-040	0,3	0,48	4	0,58	16°	50	4	86,03	68,82
CFLB 3006-060	0,3	0,48	6	0,58	16°	50	4	86,03	68,82
CFLB 3008-040	0,4	0,64	4	0,78	16°	50	4	86,03	68,82
CFLB 3008-060	0,4	0,64	6	0,78	16°	50	4	86,03	68,82
CFLB 3008-080	0,4	0,64	8	0,78	16°	50	4	86,03	68,82
CFLB 3010-025	0,5	0,8	2,5	0,96	16°	50	4	73,76	59,01
CFLB 3010-030	0,5	0,8	3	0,96	16°	50	4	73,76	59,01
CFLB 3010-040	0,5	0,8	4	0,96	16°	50	4	76,20	60,96
CFLB 3010-050	0,5	0,8	5	0,96	16°	50	4	76,20	60,96
CFLB 3010-060	0,5	0,8	6	0,96	16°	50	4	81,11	64,89
CFLB 3010-080	0,5	0,8	8	0,96	16°	50	4	81,11	64,89
CFLB 3010-100	0,5	0,8	10	0,96	16°	50	4	81,11	64,89
CFLB 3010-120	0,5	0,8	12	0,96	16°	50	4	81,11	64,89
CFLB 3015-040	0,75	1,2	4	1,43	16°	50	4	81,11	64,89
CFLB 3015-060	0,75	1,2	6	1,43	16°	50	4	81,11	64,89
CFLB 3015-080	0,75	1,2	8	1,43	16°	50	4	84,05	67,24
CFLB 3015-100	0,75	1,2	10	1,43	16°	50	4	86,03	68,82
CFLB 3015-120	0,75	1,2	12	1,43	16°	50	4	92,40	73,92
CFLB 3015-160	0,75	1,2	16	1,43	16°	50	4	92,40	73,92
CFLB 3020-040	1	1,6	4	1,83	16°	50	4	73,76	59,01
CFLB 3020-060	1	1,6	6	1,83	16°	50	4	79,10	63,28
CFLB 3020-080	1	1,6	8	1,83	16°	50	4	81,11	64,89
CFLB 3020-100	1	1,6	10	1,83	16°	50	4	81,11	64,89
CFLB 3020-120	1	1,6	12	1,83	16°	50	4	84,05	67,24
CFLB 3020-140	1	1,6	14	1,83	16°	50	4	84,05	67,24
CFLB 3020-160	1	1,6	16	1,83	16°	50	4	84,05	67,24
CFLB 3020-180	1	1,6	18	1,83	16°	55	4	84,05	67,24
CFLB 3020-200	1	1,6	20	1,83	16°	55	4	84,05	67,24
CFLB 3030-080	1,5	2,4	8	2,73	16°	60	6	81,11	64,89
CFLB 3030-100	1,5	2,4	10	2,73	16°	60	6	88,97	71,18
CFLB 3030-120	1,5	2,4	12	2,73	16°	60	6	88,97	71,18
CFLB 3030-160	1,5	2,4	16	2,73	16°	60	6	92,40	73,92
CFLB 3030-200	1,5	2,4	20	2,73	16°	70	6	93,39	74,71
CFLB 3030-250	1,5	2,4	25	2,73	16°	70	6	93,39	74,71
CFLB 3040-100	2	3,2	10	3,63	16°	70	6	84,05	67,24
CFLB 3040-120	2	3,2	12	3,63	16°	70	6	86,03	68,82

Cod.	R	l	l1	ød1	Bta	L	ød	Listino	Promo
CFLB 3040-160	2	3,2	16	3,63	16°	70	6	89,96	71,97
CFLB 3040-200	2	3,2	20	3,63	16°	70	6	95,37	76,30
CFLB 3040-250	2	3,2	25	3,63	16°	70	6	95,37	76,30
CFLB 3040-300	2	3,2	30	3,63	16°	70	6	95,37	76,30
CFLB 3060-200	3	4,8	20	5,42	-	80	6	114,51	91,61
CFLB 3060-250	3	4,8	25	5,42	-	80	6	114,51	91,61
CFLB 3060-300	3	4,8	30	5,42	-	80	6	117,51	94,01
CFLB 3060-350	3	4,8	35	5,42	-	80	6	122,30	97,84
CFLB 3060-400	3	4,8	40	5,42	-	90	6	128,77	103,02

## HFTNB

Die Mould line - High speed machining

### FRESA SFERICA 3T CON GAMBO TRONCO CONO / 3 FLUTES

TAPER NECK BALL NOSE END MILL

MISURE DISPONIBILI / AVAILABLE SIZES R 0,5 - 2



Cod.	R	TN	l	l1	Bta	L	ød	Listino	Promo
HFTNB 3010-080-08	0.5	0.4"	0.8	8	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-100-08	0.5	0.4"	0.8	10	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-120-08	0.5	0.4"	0.8	12	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-160-08	0.5	0.4"	0.8	16	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-200-08	0.5	0.4"	0.8	20	16"	60	6	96.58	<b>77,26</b>
HFTNB 3010-260-08	0.5	0.4"	0.8	26	16"	70	6	101.57	<b>81,26</b>
HFTNB 3010-300-08	0.5	0.4"	0.8	30	16"	70	6	106.09	<b>84,87</b>
HFTNB 3010-060-18	0.5	0.9"	0.8	6	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-080-18	0.5	0.9"	0.8	8	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-100-18	0.5	0.9"	0.8	10	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-120-18	0.5	0.9"	0.8	12	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-160-18	0.5	0.9"	0.8	16	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-200-18	0.5	0.9"	0.8	20	16"	60	6	96.58	<b>77,26</b>
HFTNB 3010-260-18	0.5	0.9"	0.8	26	16"	70	6	101.57	<b>81,26</b>
HFTNB 3010-300-18	0.5	0.9"	0.8	30	16"	70	6	106.09	<b>84,87</b>
HFTNB 3010-100-28	0.5	1.4"	0.8	10	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-120-28	0.5	1.4"	0.8	12	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-160-28	0.5	1.4"	0.8	16	16"	60	6	76.16	<b>60,93</b>
HFTNB 3010-200-28	0.5	1.4"	0.8	20	16"	60	6	96.58	<b>77,26</b>
HFTNB 3010-260-28	0.5	1.4"	0.8	26	16"	70	6	101.57	<b>81,26</b>
HFTNB 3015-100-08	0.75	0.4"	1.2	10	16"	60	6	79.77	<b>63,82</b>
HFTNB 3015-160-08	0.75	0.4"	1.2	16	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-200-08	0.75	0.4"	1.2	20	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-300-08	0.75	0.4"	1.2	30	16"	70	6	94.3	<b>75,44</b>
HFTNB 3015-100-18	0.75	0.9"	1.2	10	16"	60	6	79.77	<b>63,82</b>
HFTNB 3015-160-18	0.75	0.9"	1.2	16	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-200-18	0.75	0.9"	1.2	20	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-300-18	0.75	0.9"	1.2	30	16"	70	6	94.3	<b>75,44</b>
HFTNB 3015-100-28	0.75	1.4"	1.2	10	16"	60	6	79.77	<b>63,82</b>
HFTNB 3015-160-28	0.75	1.4"	1.2	16	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-200-28	0.75	1.4"	1.2	20	16"	60	6	87.04	<b>69,63</b>
HFTNB 3015-300-28	0.75	1.4"	1.2	30	16"	80	6	94.3	<b>75,44</b>
HFTNB 3020-120-08	1	0.4"	1.6	12	16"	60	6	81.6	<b>65,28</b>
HFTNB 3020-160-08	1	0.4"	1.6	16	16"	60	6	81.6	<b>65,28</b>
HFTNB 3020-200-08	1	0.4"	1.6	20	16"	60	6	87.04	<b>69,63</b>
HFTNB 3020-220-08	1	0.4"	1.6	22	16"	70	6	87.04	<b>69,63</b>
HFTNB 3020-260-08	1	0.4"	1.6	26	16"	70	6	96.58	<b>77,26</b>
HFTNB 3020-300-08	1	0.4"	1.6	30	16"	70	6	106.09	<b>84,87</b>

Cod.	R	TN	l	l1	Bta	L	ød	Listino	Promo
HFTNB 3020-320-08	1	0.4"	1.6	32	16"	80	6	106.09	<b>84,87</b>
HFTNB 3020-360-08	1	0.4"	1.6	36	16"	80	6	106.09	<b>84,87</b>
HFTNB 3020-400-08	1	0.4"	1.6	40	16"	80	6	125.58	<b>100,46</b>
HFTNB 3020-120-18	1	0.9"	1.6	12	16"	60	6	81.6	<b>65,28</b>
HFTNB 3020-160-18	1	0.9"	1.6	16	16"	60	6	81.6	<b>65,28</b>
HFTNB 3020-200-18	1	0.9"	1.6	20	16"	60	6	97.92	<b>78,34</b>
HFTNB 3020-260-18	1	0.9"	1.6	26	16"	70	6	96.58	<b>77,26</b>
HFTNB 3020-300-18	1	0.9"	1.6	30	16"	70	6	106.09	<b>84,87</b>
HFTNB 3020-360-18	1	0.9"	1.6	36	16"	80	6	106.09	<b>84,87</b>
HFTNB 3020-400-18	1	0.9"	1.6	40	16"	80	6	125.58	<b>100,46</b>
HFTNB 3020-500-18	1	0.9"	1.6	50	16"	100	6	140.08	<b>112,06</b>
HFTNB 3020-160-28	1	1.4"	1.6	16	16"	60	6	81.6	<b>65,28</b>
HFTNB 3020-200-28	1	1.4"	1.6	20	16"	60	6	87.04	<b>69,63</b>
HFTNB 3020-260-28	1	1.4"	1.6	26	16"	70	6	96.58	<b>77,26</b>
HFTNB 3020-300-28	1	1.4"	1.6	30	16"	70	6	106.09	<b>84,87</b>
HFTNB 3020-400-28	1	1.4"	1.6	40	16"	80	6	131.92	<b>105,54</b>
HFTNB 3020-620-38	1	1.9"	1.6	62	-	100	6	157.75	<b>126,2</b>
HFTNB 3020-410-58	1	2.9"	1.6	41	-	80	6	148.69	<b>118,95</b>
HFTNB 3030-200-08	1.5	0.4"	2.4	20	16"	60	6	97.92	<b>78,34</b>
HFTNB 3030-260-08	1.5	0.4"	2.4	26	16"	70	6	104.74	<b>83,79</b>
HFTNB 3030-300-08	1.5	0.4"	2.4	30	16"	70	6	119.69	<b>95,75</b>
HFTNB 3030-320-08	1.5	0.4"	2.4	32	16"	80	6	125.58	<b>100,46</b>
HFTNB 3030-360-08	1.5	0.4"	2.4	36	16"	80	6	130.84	<b>104,67</b>
HFTNB 3030-400-08	1.5	0.4"	2.4	40	16"	80	6	132.85	<b>106,28</b>
HFTNB 3030-200-18	1.5	0.9"	2.4	20	16"	60	6	97.92	<b>78,34</b>
HFTNB 3030-300-18	1.5	0.9"	2.4	30	16"	70	6	119.69	<b>95,75</b>
HFTNB 3030-400-18	1.5	0.9"	2.4	40	16"	80	6	132.85	<b>106,28</b>
HFTNB 3030-500-18	1.5	0.9"	2.4	50	16"	100	6	154.58	<b>123,66</b>
HFTNB 3030-600-18	1.5	0.9"	2.4	60	16"	100	6	183.62	<b>146,9</b>
HFTNB 3030-400-28	1.5	1.4"	2.4	40	16"	80	6	132.85	<b>106,28</b>
HFTNB 3030-500-28	1.5	1.4"	2.4	50	16"	100	6	148.69	<b>118,95</b>
HFTNB 3030-650-28	1.5	1.4"	2.4	65	-	100	6	154.58	<b>123,66</b>
HFTNB 3040-300-18	2	0.9"	6	30	16"	80	6	116.49	<b>93,19</b>
HFTNB 3040-400-18	2	0.9"	6	40	16"	80	6	150.97	<b>120,78</b>
HFTNB 3040-500-18	2	0.9"	6	50	16"	100	6	166.36	<b>133,09</b>
HFTNB 3040-600-18	2	0.9"	6	60	16"	100	6	193.12	<b>154,5</b>
HFTNB 3040-480-28	2	1.4"	6	48	-	80	6	150.97	<b>120,78</b>

Alternative / Alternatives

HTNB 2T - 5642 2T - CFB 3T

## CFB Die Mould line - High speed machining



### FRESA SFERICA 3T - GV / 3 FLUTES BALL NOSE END MILL - GV

MISURE DISPONIBILI / AVAILABLE SIZES R 0,3 - 6



Cod.	R	l	Bta	L	ød	Listino	Promo
CFB 3006-0090	0,3	0,9	16°	50	4	77,20	61,76
CFB 3008-0120	0,4	1,2	16°	50	4	75,71	60,57
CFB 3010-0150	0,5	1,5	16°	50	4	70,29	56,23
CFB 3015-0225	0,75	2,25	16°	50	4	77,20	61,76
CFB 3020-0300	1	3	16°	50	4	75,71	60,57
CFB 3030-0450	1,5	4,5	16°	60	6	77,20	61,76
CFB 3040-0600-4	2	6	-	70	4	73,76	59,01
CFB 3040-0600	2	6	16°	70	6	77,20	61,76
CFB 3050-0750	2,5	7,5	16°	80	6	87,61	70,09
CFB 3060-0900	3	9	-	80	6	96,97	77,58
CFB 3080-1200	4	12	-	90	8	138,08	110,46
CFB 3080-1200LS	4	12	-	120	8	156,89	125,51
CFB 3100-1500	5	15	-	100	10	183,59	146,87
CFB 3120-1800	6	18	-	110	12	232,08	185,66



A large, light gray rectangular area occupies the center of the page, serving as a space for notes. This area is filled with horizontal black lines, creating a ruled notebook page effect. The lines are evenly spaced and extend across the width of the gray area.



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