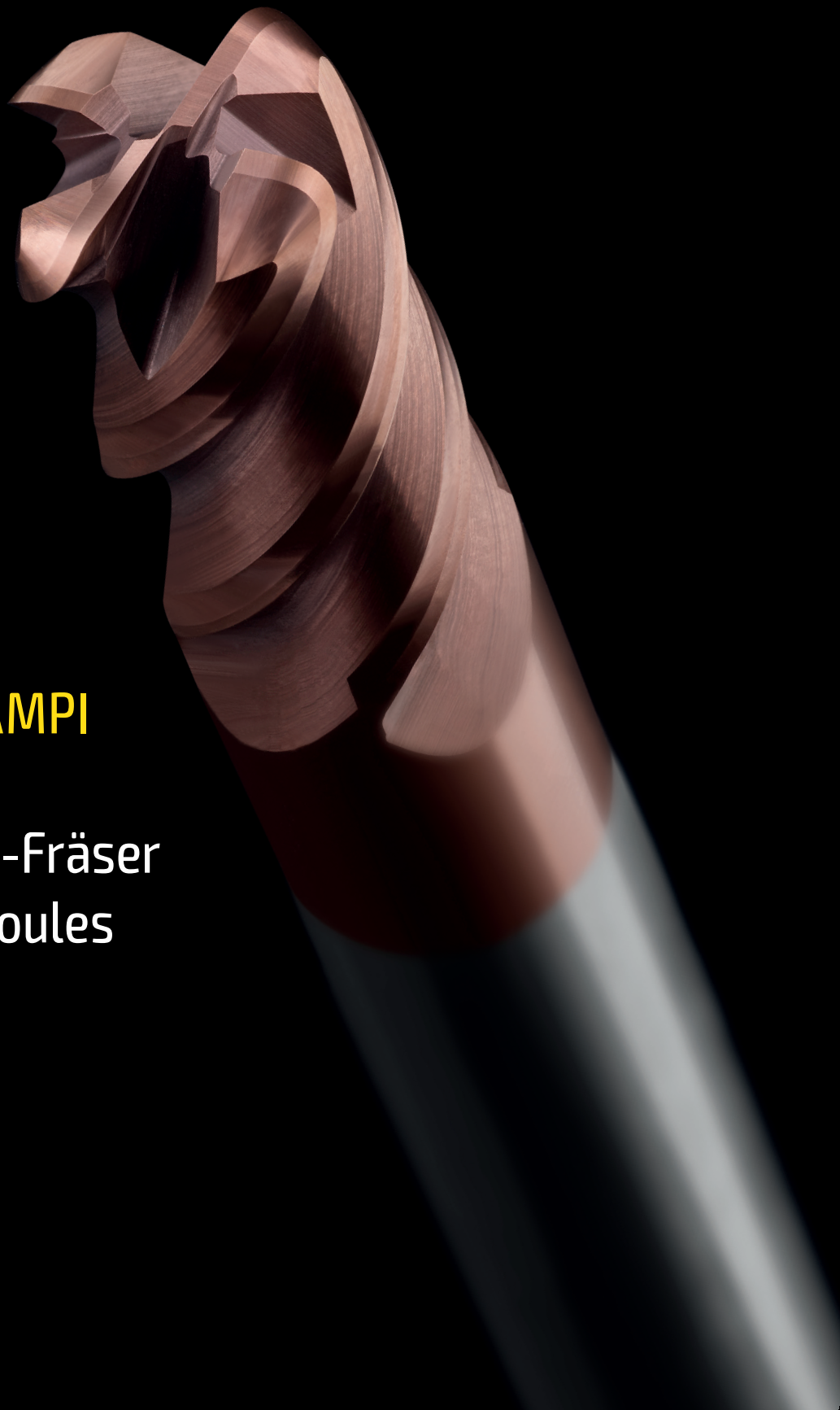


**SILMAX®**



**FRESE PER STAMPI**

Mold end mills

Die Formenbau-Fräser

Fraises pour moules



**SILMAX.IT**  
MADE IN ITALY

**SILMAX**  
FRESE PER STAMPI  
MOLD END MILLS  
DIE FORMENBAU-FRÄSER  
FRAISES POUR MOULES

## QUALITY AS A STANDARD

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Silmax è un'azienda italiana leader nella produzione di utensili da taglio, con una lunga storia e una forte propensione all'innovazione grazie a moderni impianti e tecnologie di ultime generazioni.

**Da oltre 50 anni Silmax si distingue per precisione, passione e professionalità.**

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Silmax is an Italian leading cutting tools manufacturer, with a long history and strong attitude to innovation thanks to modern machines and last generation technology.

**Since 50 years Silmax is known for precision, passion and professionalism.**

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Silmax ist ein führendes italienisches Unternehmen in der Herstellung von Schneidwerkzeugen mit einer langen Geschichte und einer starken Neigung zur Innovation dank moderner Systeme und Technologien der neuesten Generation.

**Seit über 50 Jahren zeichnet sich Silmax durch Präzision, Leidenschaft und Professionalität aus.**











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Silmax est une entreprise italienne leader dans la production d'outils de coupe, avec une longue histoire et une forte propension à l'innovation grâce à des installations modernes et des technologies de dernière génération.

**Depuis plus de 50 ans, Silmax se distingue par sa précision, sa passion et son professionnalisme.**

# LA NOSTRA STORIA

## OUR HISTORY / UNSERE GESCHICHTE / NOTRE HISTOIRE

1819		Paul Alessio inizia a forgiare i suoi primi utensili. La piccola officina si chiama "L'Usine".	Paul Alessio begins to forge his first tools. The small workshop is called "L'Usine".	Paul Alessio beginnt seine ersten Werkzeuge zu schmieden. Die kleine Werkstatt heißt "L'Usine".	Paul Alessio commence à forger ses premiers outils. Le petit atelier s'appelle « L'Usine ».
1955		Sotto la guida di Enrico M. Fumagalli l' "Usine" riprende l'attività produttiva.	Under the control of Enrico M. Fumagalli, the "Usine" resumed its tool production.	Unter der Leitung von Enrico M. Fumagalli nimmt die "Usine" die Produktionstätigkeit wieder auf.	Sous la direction de Monsieur Enrico M. Fumagalli, « L'Usine » reprend son activité de production.
1975		"L'Usine" diventa Silmax, una moderna SPA.	"L'Usine" becomes the modern Silmax, SPA.	Aus "L'Usine" wird Silmax modernes SPA.	« L'Usine » devient Silmax, une SPA moderne.
1984		Joint-venture Silmax Spa Balzers AG.	Joint-venture Silmax Spa Balzers AG.	Joint-venture Silmax Spa Balzers AG.	Joint-venture Silmax Spa Balzers AG.
2005		Silmax celebra i suoi 50 anni.	Silmax celebrates its 50th birthday.	Silmax feiert seine 50 Jahre.	Silmax fête son 50e anniversaire.
2012		Vengono inaugurate le sedi commerciali in India, Cina e Germania.	New commercial branches open in India, China and Germany.	Verkaufsbüros in Indien, China und Deutschland werden eröffnet.	Des bureaux de vente sont inaugurés en Inde, en Chine, en Allemagne.
2013		Silmax inaugura il nuovo centro di rivestimento.	Silmax new plant for PVD coating.	Silmax eröffnet das neue Zentrum der Beschichtung.	Silmax inaugure un nouveau centre de revêtement.
2019		Silmax 200 anni!	Silmax 200 years!	Silmax 200 Jahre!	Silmax fête son 200 anniversaire!
2021		5 nuove rettifiche e 1 nuovo impianto PVD.	5 new grinding machines and 1 new PVD unit.	5 neue Schleifmaschinen 1 neues PVD-System.	5 nouvelles rectifieuses et 1 nouveau système PVD.
2022		Silmax continua la sua storia e il suo sviluppo sempre attenta a mantenere alta la qualità dei suoi prodotti e la soddisfazione dei suoi clienti.	Silmax continues its history and its development, always careful to maintain the high quality of its products and the satisfaction of its customers.	Silmax setzt seine Geschichte und Entwicklung mit dem Ziel fort, die hohe Qualität seiner Produkte und die Zufriedenheit seiner Kunden zu halten.	Aujourd'hui, Silmax poursuit son histoire et son développement en veillant toujours à maintenir en haute la qualité de ses produits et la satisfaction de ses clients.
2023		Nuova apertura dello stabilimento in Cina.	New plant opening in China.	Neue Produktionsanlagen in China.	Ouverture d'une nouvelle usine en Chine.



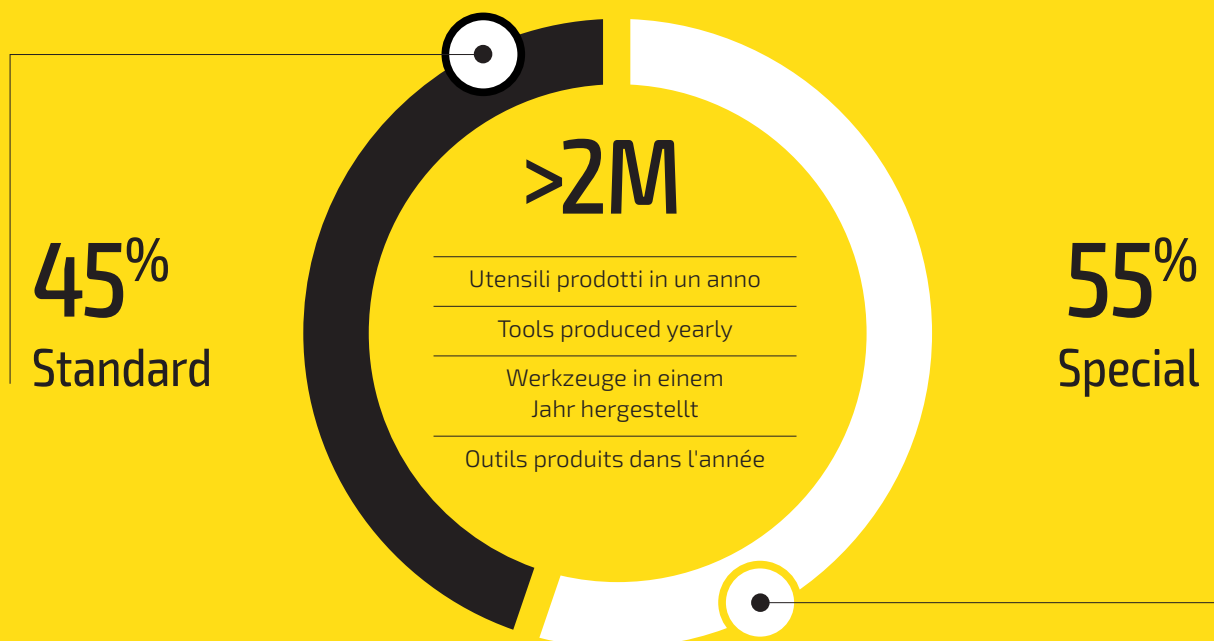
# PRODOTTI SPECIALI

SPECIAL TOOLS / SPEZIELLE PRODUKTE / PRODUITS SPÉCIAUX



## I numeri di silmax

SILMAX FIGURES / SILMAX ZAHLEN / CHIFFRES SILMAX



# LE TIPOLOGIE DELLE LAVORAZIONI DI STAMPI

## THE TYPES OF MOLDS PROCESSING / DIE ARTEN DER FORMENVERARBEITUNG / DIFFÉRENTS PROCÉDÉS DE MOULAGE

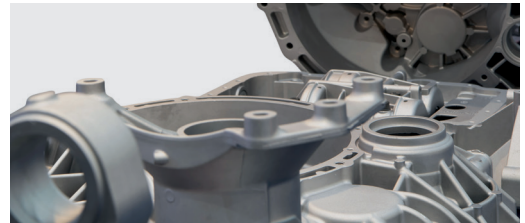
1

Iniezione plastica  
Plastic injection  
Spritzguss-Kunststoff  
Injection plastique



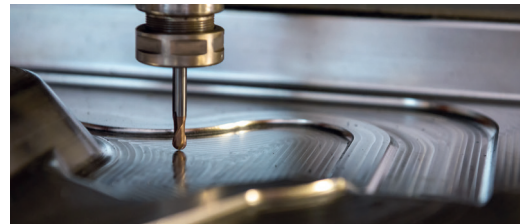
2

Pressofusione  
Die casting  
Druckguss  
Moulage sous pression



3

Forgiatura  
Forging  
Schmieden  
Forgeage



4

Lamiera  
Sheet metal  
Blech  
Moulage déformation tôle



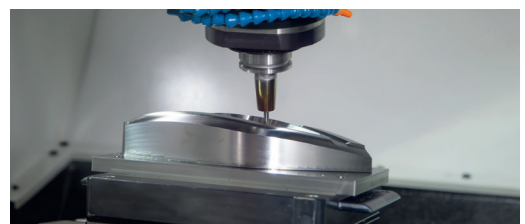
5

Soffiatura  
Blowing  
Blasformen  
Moulage par soufflage



6

Trancia  
Punching  
Stanzen  
Poinçonnage



# CATALOGHI SILMAX

SILMAX CATALOGUES / SILMAX-KATALOGE / CATALOGUES SILMAX

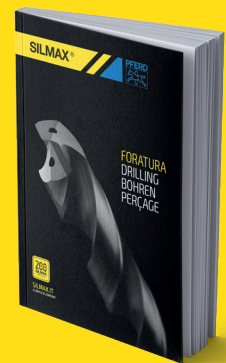


**NEW**

**HM Metallo duro**  
HM Carbide



**Frese per stampi**  
Mold End Mills



**Foratura**  
Drilling



**NEW**

**Silsaving**  
Silsaving

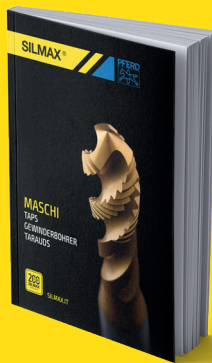


**NEW**

**HSS Acciaio super rapido**  
HSS High Speed Steel



**Punte a cannone**  
Gun Drills



**Maschi**  
Taps



**Aerospace**  
Aerospace



**Soluzioni per impeller**  
Impeller solutions

# HRC

## FRESE PER STAMPI MOLD END MILLS DIE FORMENBAU-FRÄSER FRAISES POUR MOULES

### Geometrie e rivestimenti all'avanguardia per il settore stampi

Il rinnovato catalogo Stampi SILMAX presenta **oltre 10.000 nuovi articoli** che permettono di affrontare lavorazioni complesse su materiali più difficili **con durezza fino a 65 HRC**.

Il profondo rinnovamento della gamma riguarda il **numero** importante di nuovi utensili introdotti, **l'evoluzione di geometrie con tolleranze costruttive più stringenti** e applicazione di **rivestimenti Balzers** di ultima generazione abbinati a **post trattamenti superficiali per una resa sempre al top**.

Con la nuova linea stampi SILMAX esistono numerose **possibilità di personalizzazione** per poter trovare in **tempo reale** la soluzione più adatta e performante grazie all'**ampia disponibilità di magazzino**.

### State-of-the-art geometries and coatings for the sector of moulds and dies

The renewed SILMAX Catalogue for moulds and dies features **over 10,000 new items**, which enable to perform complex machining operations on the most difficult-to-cut materials, **with hardness up to 65 HRC**.

The significant extension of the range concerns the **number** of tools introduced, the **geometries with tighter manufacturing tolerances**, the latest **Balzers coatings**, combined with **post surface treatments** for top performance.

With the new SILMAX mould line, **there are numerous customisation possibilities** so that the most suitable and high-performance solution can be found in **real time thanks to the large stock availability**.

### Modernste Geometrien und Beschichtungen für den Formenbau

Der erneuerte SILMAX Katalog für Formen präsentiert **mehr als 10.000 neue Artikel**, die komplexe **Bearbeitungen** an schwierigsten Materialien **mit Härten bis zu 65 HRC** ermöglichen.

Die tiefgreifende Erneuerung des Sortiments betrifft die **Anzahl** der eingeführten Werkzeuge, die **Geometrien mit engeren Konstruktionstoleranzen**, die **Balzers-Beschichtungen** neuester Generation aber vor allem die große Produktverfügbarkeit auf Lager.

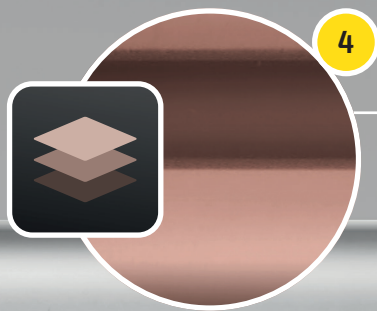
Dank der neuen Linie SILMAX-Formen können zahlreiche auf den Kunden zugeschnittene **Anfertigungen** realisiert werden um stets die geeignetste und **leistungsfähigste Lösung zu finden**.

### Géométries et revêtements de pointe pour le secteur des moules et matrices

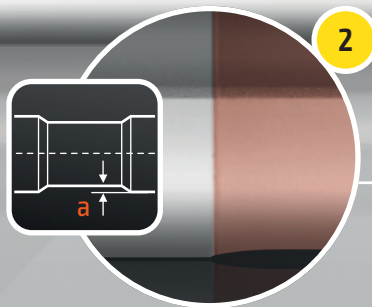
Le catalogue renouvelé SILMAX pour moules et matrices, présente **plus de 10.000 nouveaux articles**, qui permettent des usinages complexes sur les matériaux les plus difficiles à usiner, **d'une dureté jusqu'à 65 HRC**.

L'important renouvellement de la gamme concerne le **nombre** d'outils introduits, les **géométries avec des tolérances de fabrication plus étroites**, les **revêtements Balzers** de dernière génération, combinés à des **traitements de post surface** pour des performances optimales.

La nouvelle ligne de moules SILMAX offre de **nombreuses possibilités de personnalisation**, de sorte que la solution la plus adaptée et la plus performante puisse trouvée **en temps réel grâce à la grande disponibilité de stock**.



4



2

## NOVITÀ NOVELTIES / NEUHEITEN / NOUVEAUTÉS

1.

### Gamma prodotti

Product range

Produktauswahl

Gamme de produits

Oltre 10.000 nuovi articoli con ampia disponibilità a magazzino.

More than 10,000 new items with wide availability in stock.

Mehr als 10.000 neue Artikel mit großer Verfügbarkeit auf Lager.

Plus de 10.000 nouveaux articles avec une grande disponibilité en stock.

2.

### Personalizzazione

Customisation

Anpassung

Personnalisation

In un settore dove è prevalente la specializzazione e "customizzazione" del prodotto, Silmax offre una **linea di prodotti da personalizzare** in base alle proprie necessità con una proposta articolata di **collarini e raggi disponibili in pronta consegna o a richiesta**.

In a sector where specialisation and customisation of products are increasingly demanded, Silmax offers a **line of products to be customised** according to one's needs, with a varied selection of **radiuses and neck reliefs, available for immediate delivery or on request**.

In einer Branche, in der Produktspezialisierung und -Anpassung immer mehr gefragt werden, bietet Silmax eine Linie von Produkten an, die dank einer vielfältigen Auswahl von Radien und Freischliffen an die eigenen Bedürfnissen angepasst werden können, und die sofort oder auf Anfrage lieferbar sind.

Dans un secteur où la spécialisation et la personnalisation des produits sont de plus en plus demandées, Silmax offre une **ligne de produits à personnaliser** en fonction de vos besoins, avec une sélection variée de **rayons et détallonnages, disponibles pour livraison immédiate ou sur demande**.





### 3.

#### Tolleranze

Tolerances  
Toleranzen  
Tolérances

**Tolleranze costruttive più stringenti** grazie alla continua attività di ricerca e sviluppo, effettuata nei nostri stabilimenti, e all'utilizzo di macchine CNC allo stato dell'arte.

#### Engere Konstruktionstoleranzen

Dank einer stetigen in unseren Werken durchgeführten Forschungs- und Entwicklungstätigkeit, sowie der Verwendung von CNC-Maschinen auf dem neuesten Stand der Technik.

**Tighter manufacturing tolerances** thanks to a continuous research & development activity carried out at our in-house production facilities and thanks to the use of state-of-the-art CNC machines.

#### Tolérances de fabrication plus

**étroites** grâce à une activité continue de recherche et développement réalisée dans nos propres usines et grâce à l'utilisation de machines CNC à la pointe de la technologie.

### 4.

#### Rivestimenti

Coatings  
Beschichtungen  
Revêtements

**Rivestimento di ultima generazione Balinit® Tisaflex a base TiSiN** realizzato nei nostri stabilimenti con impianti **Balzers Ingenia e Innoventa kila**. Il Tisaflex rappresenta la migliore soluzione per la lavorazione di materiali di difficile lavorabilità, per gli acciai ad elevata resistenza meccanica, acciai al cromo ed acciai temprati oltre 60HRC.

#### Balinit® Tisaflex die TiSiN-basierte Beschichtung neuester Generation,

die mit **Ingenia und Innoventa kila** Anlagen der Firma Balzers in unseren italienischen Werken produziert wird. Tisaflex erweist sich als die beste Lösung für schwer zu bearbeitende Werkstoffe, für Stahl mit hoher mechanischer Festigkeit, Chromstählen und gehärtetem Stahl von über 60HRC.

**State-of-the-art TiSiN-based Balinit® Tisaflex coating** produced with **Ingenia and Innoventa Kila** units at our Italian factories. Tisaflex represents the best solution to machine difficult-to-cut materials, high-strength steels, chrome steels and hardened materials above 60HRC.

#### Revêtement Tisaflex Balinit® de dernière génération à base de TiSiN

produit avec des systèmes **Ingenia et Innoventa kila** dans nos usines italiennes. Le revêtement Tisaflex représente la meilleure solution pour l'usinage de matériaux difficiles à usiner, pour les aciers à haute résistance mécanique, les aciers chromés et les aciers trempés d'une dureté supérieure à 60HRC.

5

1144A

Pag. 28

1144S

Pag. 26



6

1193

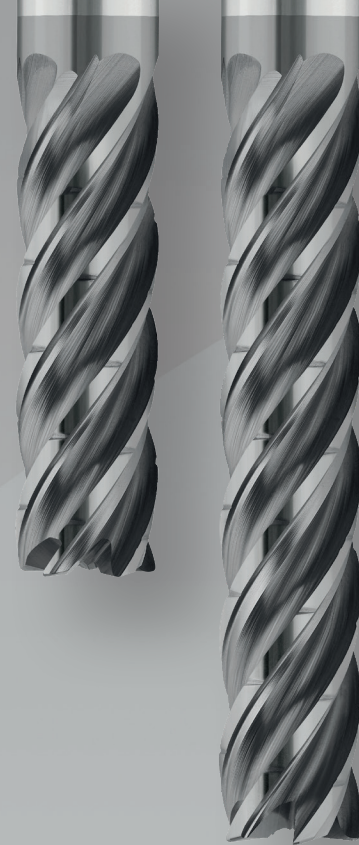
Pag. 18

1195

Pag. 18

3XD

5XD



## 5.

### Micro-frese per grossatura

Micro end mills for roughing

Mikrofräser-Linie zum Schruppen

Micro-fraises pour l'ébauche

**Nuova linea di micro-frese per grossatura** delle nervature ad alta velocità in grado di rimuovere rapidamente grandi quantità di materiale, consentendo una maggiore efficienza e velocità di esecuzione.

**New lines of micro end mills for high-speed rib roughing**, capable of rapidly removing large amounts of material, ensuring higher efficiency and higher speed of execution.

**Eine neue Mikrofräser-Linie zum Schruppen** von Rippen bei hoher Geschwindigkeit, die große Mengen an Material schnell entfernen kann, was eine höhere Effizienz und Ausführungsgeschwindigkeit ermöglicht.

**Nouvelle gamme de micro-fraises** à haute vitesse pour l'ébauche des nervures, capables d'enlever rapidement de grandes quantités de matériau, en permettant une plus grande efficacité et une plus grande rapidité d'exécution.

## 6.

### Frese 3XD e 5XD per fresatura dinamica

3 and 5xD end mills for dynamic milling

3 und 5xD-Linie zum dynamischen Fräsen

Fraises 3 et 5xD pour le fraisage dynamique

**Nuova linea di frese 3 e 5xD per fresatura dinamica**, pensata appositamente per acciai con durezza fino a 1300 n/mm<sup>2</sup> che garantisce una maggiore efficienza produttiva.

**New line of 3 and 5xD end mills for dynamic milling**, specifically dedicated to steels with hardness up to 1300 n/mm<sup>2</sup>, ensuring higher production efficiency.

**Eine neue 3 und 5xD-Linie zum dynamischen Fräsen**, eigens für die Bearbeitung von Stahl bis zu einer Härte von 1300 n/mm<sup>2</sup> vorgesehen, die eine höhere Produktionseffizienz garantiert.

**Nouvelle ligne de fraises 3 et 5xD pour le fraisage dynamique**, spécialement conçues pour les aciers d'une dureté jusqu'à 1300 n/mm<sup>2</sup> qui garantit une plus grande efficacité de production.

7

0043  
Pag. 19

0044  
Pag. 19

3XD

4XD



## 7.

### Frese 3XD e 4XD per fresatura dinamica

3 and 4xD end mills for dynamic milling

3 und 4xD-Linie zum dynamischen Fräsen

Fraises 3 et 4xD pour le fraisage dynamique

**Nuova linea di frese 3 e 4xD per fresatura dinamica**, con geometria dedicata per materiali con durezza fino a 65 HRC.

Grazie alla particolare geometria delle frese, è possibile ottenere risultati di fresatura, con precisione e qualità superiore rispetto alle soluzioni tradizionali riducendo drasticamente i tempi di lavorazione aumentando la produttività.

**New line of 3 and 4xD end mills for dynamic milling**, with dedicated geometry for materials with hardness up to 65 HRC.

Thanks to the special geometry of these end mills, it is possible to obtain milling results with higher precision and higher quality compared to traditional solutions, significantly reducing processing times and increasing productivity.

**Eine neue Fräserlinie 3 und 4xD zum dynamischen Fräsen**, mit Geometrien für Werkstoffe mit einer Härte bis 65HRC.

Dank der besonderen Geometrie der Fräsen können Fräsergebnisse mit höherer Präzision und Qualität als bei herkömmlichen Lösungen und verkürzter Bearbeitungszeit und Erhöhung der Prozessproduktivität erzielt werden.

**Nouvelle ligne de fraises 3 et 4xD pour le fraisage dynamique**, avec une géométrie spécifique pour les matériaux d'une dureté jusqu'à 65 HRC.

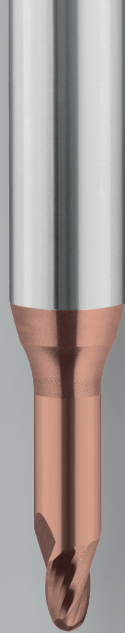
Grâce à la géométrie spéciale de ces fraises, il est possible d'obtenir des résultats de fraisage d'une précision et d'une qualité supérieures par rapport aux solutions traditionnelles, en réduisant les temps d'usage et en augmentant la productivité.



8

1340  
Pag. 274

9

1350  
Pag. 275

## 8.

### Engraving, micro-frese per incisioni

Engraving, micro end mills for engraving

Engraving, Produktlinie von Mikro-Gravierfräsern

Engraving, micro-fraises pour la gravure

**Engraving** è una linea completa di **micro-frese per incisioni**. Gli utensili sono progettati appositamente per ottenere **incisioni perfette e precise su un ampio ventaglio di materiali** compresi quelli più difficili da lavorare.

**Engraving** is a complete line of **micro engraving end mills**. These tools are specially designed to obtain **perfect and precise engravings on a wide range of materials**, including the most difficult ones to machine.

**Engraving** eine komplette Produktlinie von **Mikro-Gravierfräsern**.

Die Werkzeuge wurden speziell für die Gravur von Werkstoffen wie Metall, Kunststoff und Holz entwickelt, um **perfekte und präzise Gravuren auf den besonders schwer bearbeitbaren** Werkstoffen zu ermöglichen.

**Engraving** est une ligne complète de **micro-fraises à graver**. Ces outils sont spécialement conçus pour obtenir des **gravures parfaites et précises sur une large gamme de matériaux**, y compris les plus difficiles à usiner.

## 9.

### Frese per sedi O-Ring

End mills for O-Ring grooves

Fräser für O-Ring-Sitze

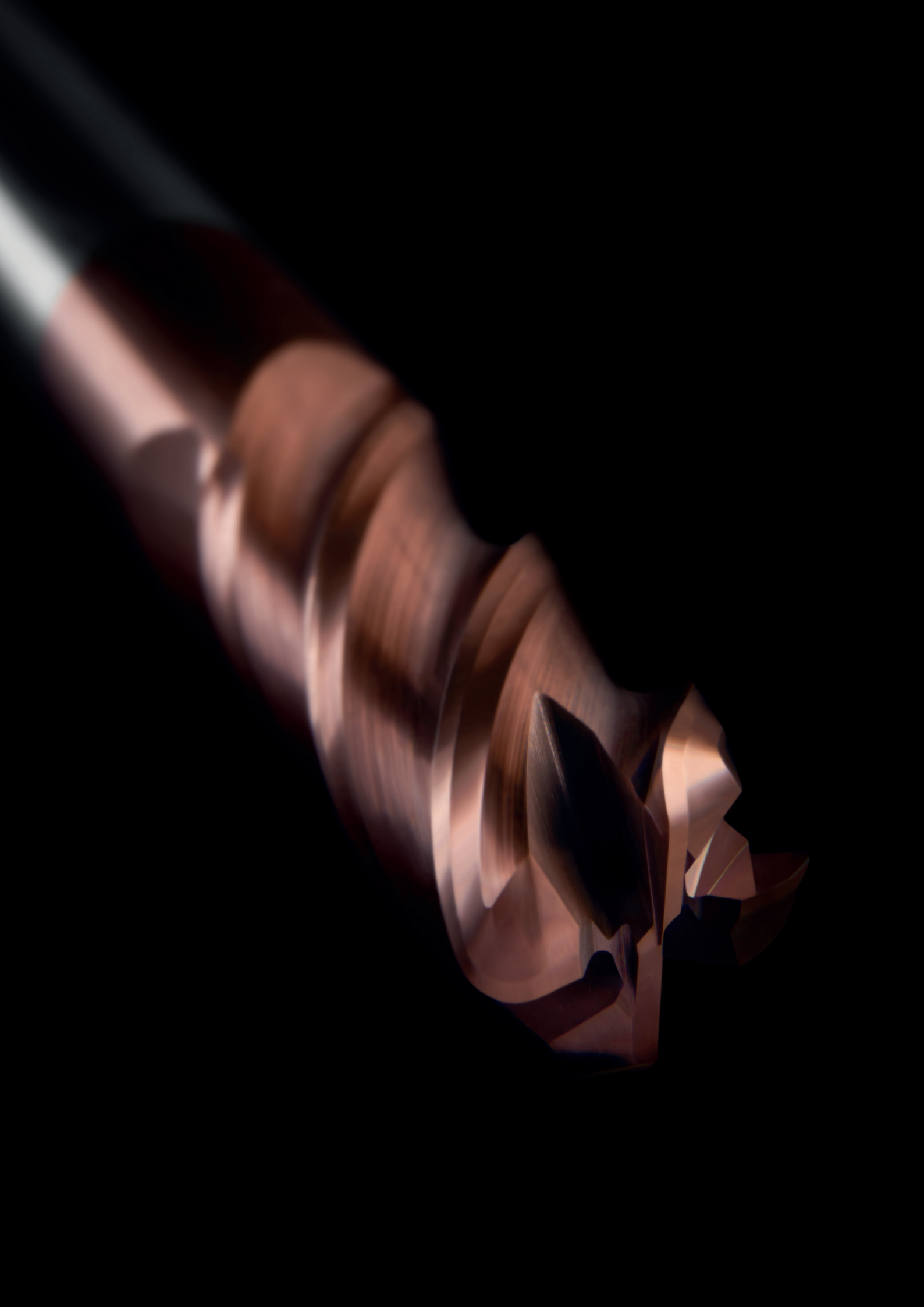
Fraises pour logements de joints toriques








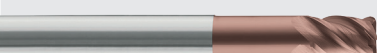







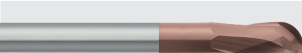


**Frese per sedi O-Ring:** rappresentano una novità, sono state progettate per creare sedi adatte per gli O-Ring, portando la produzione di componenti più precisa e affidabile, grazie alla capacità di lavorare rapidamente e in modo uniforme.

**End mills for O-Ring grooves** are a novelty designed to produce suitable grooves for O-Rings, making the production of components more precise and reliable, thanks to their ability to machine quickly and uniformly.

**Fräser für O-Ring-Sitze:** sie stellen eine Neuheit dar und wurden entwickelt, um geeignete O-Ring-Sitze zu schaffen und die Herstellung von Komponenten präziser und zuverlässiger zu machen, da sie schneller und gleichmäßiger arbeiten können.

**Fraises pour logements de joints toriques** représentent une nouveauté conçue pour créer des logements appropriés pour les joints toriques, permettant une production de composants plus précise et plus fiable, grâce à leur capacité à usiner rapidement et uniformément.


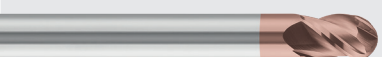





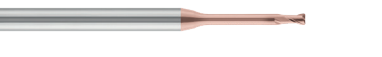
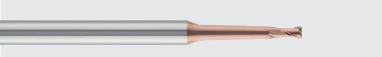


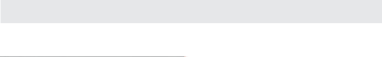
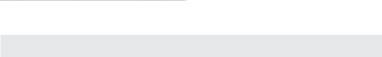







	Code Code	Ø (D mm)	Z	Cava Slotting	Contornitura Side and face milling	Sgrossatura Roughing	Copiatra 3D 3D Copy	Trocoideale Trochoidal	Rampa Diagonal plunging	Nervature Ribbing
	1193	6,0 ÷ 25,0	5	-	●	-	-	●	●	-
	1195	6,0 ÷ 25,0	5	-	●	-	-	●	●	-
	0043	6,0 ÷ 20,0	4	●	●	-	-	●	●	-
	0044	6,0 ÷ 20,0	4	●	●	-	-	●	●	-
	007W	3,0 ÷ 12,0	4	-	●	●	●	-	●	-
	008W	3,0 ÷ 12,0	4	-	●	●	●	-	●	-
	1144	1,0 ÷ 12,0	4	-	●	●	●	-	●	-
	1144S	1,0 ÷ 12,0	4	-	●	●	●	-	●	●
	1144A	1,0 ÷ 12,0	4	-	●	●	●	-	●	●
	1142	1,0 ÷ 16,0	4	-	●	●	●	-	●	-
	1141	4,0 ÷ 12,0	3	-	●	●	●	-	●	-
	7725	3,0 ÷ 12,0	2	-	-	-	●	-	-	-
	7725S	3,0 ÷ 12,0	2	-	-	-	●	-	-	-
	7726	3,0 ÷ 12,0	2	-	-	-	●	-	-	-
	7726S	3,0 ÷ 12,0	2	-	-	-	●	-	-	-
	7727	1,0 ÷ 20,0	2	-	-	-	●	-	-	-
	7727S	1,0 ÷ 20,0	2	-	-	-	●	-	-	-
	7729	3,0 ÷ 20,0	2	-	-	-	●	-	-	-

● Raccmandato / Recommended / Empfohlen / Reccmandé

○ Parzialmente raccomandato / Partially recommended - Teilweise empfohlen - Partiellement reccmandé

Acciaio Steel Stahl Acier	Acciaio Inox Stainless Steel Edelstahl Acier Inoxydable	Ghisa Cast Iron Gusseisen Fonte	Metalli non ferrosi Non-ferrous metals NE-Metalle Matières non ferreuses	HRSA - Titanio HRSA - Titanium HRSA - Titan HRSA - Titane	Acciai Temprati Hardened Steels Gehärtete Stähle Aciers Trempés	Non ISO Not ISO Keine ISO Non ISO	Pagina Page Seite Page
<b>P</b>	<b>M</b>	<b>K</b>	<b>N</b>	<b>S</b>	<b>H</b>	<b>O</b>	
●	-	●	-	-	-	-	18
●	-	●	-	-	-	-	18
●	-	-	-	-	●	-	19
●	-	-	-	-	●	-	19
●	-	●	-	-	-	-	20
-	-	-	-	-	●	-	22
●	-	●	-	-	●	-	24
●	-	●	-	-	●	-	26
●	-	●	-	-	●	-	28
●	⊙	●	⊙	-	●	-	34
●	⊙	●	⊙	-	●	-	60
●	⊙	●	⊙	-	●	-	67
●	⊙	●	⊙	-	●	-	68
●	⊙	●	⊙	-	●	-	69
●	⊙	●	⊙	-	●	-	70
-	-	-	-	-	●	-	72
-	-	-	-	-	●	-	73
-	-	-	-	-	●	-	75

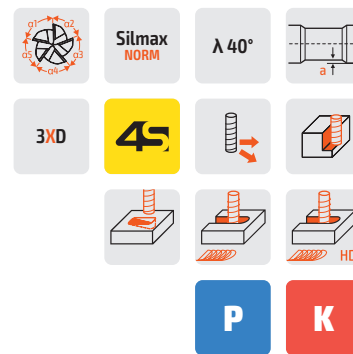
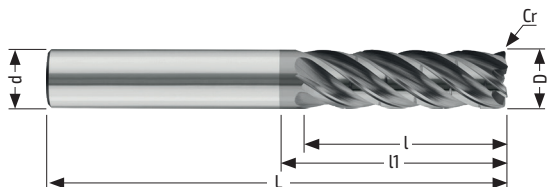
	Code Code	Ø (D mm)	Z	Cava Slotting	Contornitura Side and face milling	Sgrossatura Roughing	Copiatrice 3D 3D Copy	Trocoideale Trochoidal	Rampa Diagonal plunging	Nervature Ribbing
	7729S	3,0 ÷ 20,0	2	-	-	-	●	-	-	-
	1149	3,0 ÷ 12,0	3	-	-	-	●	-	-	-
	1149S	3,0 ÷ 12,0	3	-	-	-	●	-	-	-
	1149A	4,0 ÷ 10,0	3	-	-	-	●	-	-	-
	1147	6,0 ÷ 16,0	4	-	-	-	●	-	-	-
	07210	0,5 ÷ 2,5	2	-	-	-	-	-	-	●
	06210	0,5 ÷ 3,0	2	-	-	-	-	-	-	●
	05210	0,5 ÷ 3,0	2	-	-	-	-	-	-	●
	04210	1,0 ÷ 4,0	2	-	-	-	-	-	-	●
	07220	0,5 ÷ 2,5	2	-	-	-	-	-	-	●
	06220	0,5 ÷ 3,0	2	-	-	-	-	-	-	●
	05220	0,5 ÷ 3,0	2	-	-	-	-	-	-	●
	04220	1,0 ÷ 4,0	2	-	-	-	-	-	-	●
	1155	6,0 ÷ 20,0	6/ 8/10	-	●	-	-	-	-	-
	1143	3,0 ÷ 20,0	6	-	●	-	-	-	-	-
	1145	6,0 ÷ 20,0	6	-	●	-	-	-	-	-
	1340	0,2 ÷ 1,8	2	-	-	-	-	-	-	-
	1350	6,2 ÷ 12,1	2	-	-	-	-	-	-	-

- Raccmandato / Recommended / Empfohlen / Reccmandé
- Parzialmente raccomandato / Partially recommended - Teilweise empfohlen - Partiellement reccmandé

Acciaio Steel Stahl Acier	Acciaio Inox Stainless Steel Edelstahl Acier Inoxydable	Ghisa Cast Iron Gusseisen Fonte	Metalli non ferrosi Non-ferrous metals NE-Metalle Matières non ferreuses	HRSA - Titanio HRSA - Titanium HRSA - Titan HRSA - Titane	Acciai Temprati Hardened Steels Gehärtete Stähle Aciers Trempés	Non ISO Not ISO Keine ISO Non ISO	Pagina Page Seite Page
<b>P</b>	<b>M</b>	<b>K</b>	<b>N</b>	<b>S</b>	<b>H</b>	<b>O</b>	
-	-	-	-	-	●	-	76
●	-	-	-	-	●	-	78
●	-	-	-	-	●	-	79
●	-	-	-	-	●	-	80
●	-	-	-	-	●	-	81
●	○	-	○	-	●	-	82
●	○	-	○	-	●	-	90
●	○	-	○	-	●	-	98
●	○	-	○	-	●	-	138
●	○	-	○	-	●	-	232
●	○	-	○	-	●	-	234
●	○	-	○	-	●	-	238
●	○	-	○	-	●	-	250
●	○	●	○	-	-	-	271
-	-	-	-	-	●	-	272
-	-	-	-	-	●	-	273
●	-	-	-	-	●	-	274
●	-	-	-	-	●	-	275

## 1193

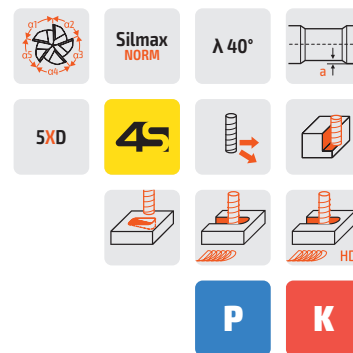
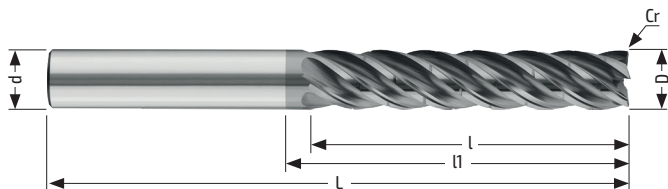
Fresa 5 taglienti 3xD con divisione irregolare, per fresatura dinamica  
 5 flute end mill 3xD with unequal flute spacing for dynamic milling  
 5-schneidiger Schaftfräser mit variabler Spirale, lange Ausführung  
 Fraise toriques 5 dents 3xD pas décalé pour usinages trocoidaux



	D h10	Cr/r	l	l1	a	L	d h5	6535	Balinit® Alcrona	Stock
Cr	6,00	0,50	19,00	23,0	0,15	66	6	HA	F11930G00600001	●
	8,00	0,50	25,00	29,0	0,15	70	8	HA	F11930G00800001	●
	10,00	0,50	31,00	35,0	0,15	78	10	HB	F11930G01000001	●
	12,00	0,50	38,00	42,0	0,20	92	12	HB	F11930G01200001	●
	16,00	1,00	50,00	56,0	0,20	110	16	HB	F11930G01600001	●
	20,00	1,00	62,00	70,0	0,20	125	20	HB	F11930G02000001	●
	25,00	1,00	78,00	88,0	0,25	150	25	HB	F11930G02500001	●

## 1195

Fresa 5 taglienti 5xD con divisione irregolare, per fresatura dinamica  
 5 flute end mill 5xD with unequal flute spacing for dynamic milling  
 5-schneidiger Schaftfräser mit variabler Spirale, extra lange Ausführung  
 Fraise toriques 5 dents 5xD pas décalé pour usinages trocoidaux



	D h10	Cr/r	l	l1	a	L	d h5	6535	Balinit® Alcrona	Stock
Cr	6,00	0,50	30,00	35,0	0,15	74	6	HA	F11950G00600001	●
	8,00	0,50	40,00	45,0	0,15	84	8	HA	F11950G00800001	●
	10,00	0,50	50,00	55,0	0,15	100	10	HB	F11950G01000001	●
	12,00	0,50	60,00	66,0	0,20	115	12	HB	F11950G01200001	●
	16,00	1,00	80,00	88,0	0,20	142	16	HB	F11950G01600001	●
	20,00	1,00	100,00	110,0	0,20	165	20	HB	F11950G02000001	●
	25,00	1,00	125,00	138,0	0,25	200	25	HB	F11950G02500001	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



1193



1195



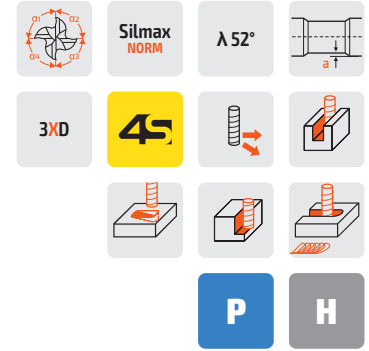
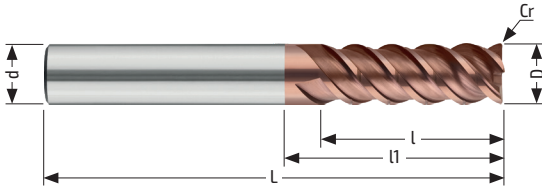
0043



0044

# 0043

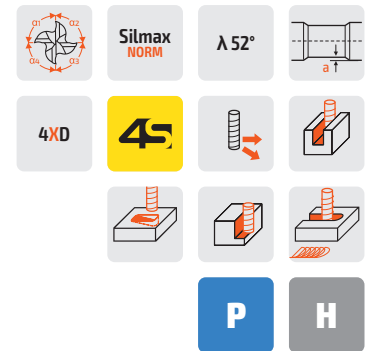
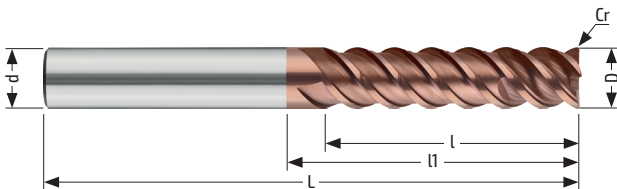
Fresa 4 taglienti 3xD per fresatura dinamica, per acciai temprati  
4 flute end mill 3xD for trochoidal milling of hardened steel  
4-schneidiger Schaftfräser 3xD zum Trochoidenfräsen von gehärtetem Stahl  
Fraise 4 dents 3xD, pour usinage trochoïdaux des aciers trempés



	D h10	Cr/r	l	l1	a	L	d h5	6535	Balinit® Tisaflex	Stock
Cr	6,00	0,50	18,00	22,0	0,15	60	6	HB	F00430H0600001	●
	8,00	0,50	24,00	28,0	0,15	66	8	HB	F00430H0800001	●
	10,00	0,50	30,00	35,0	0,15	78	10	HB	F00430H1000001	●
	12,00	0,50	36,00	42,0	0,20	92	12	HB	F00430H1200001	●
	16,00	1,00	48,00	56,0	0,20	110	16	HB	F00430H1600001	●
	20,00	1,00	60,00	70,0	0,20	125	20	HB	F00430H2000001	●

# 0044

Fresa 4 taglienti 4xD per fresatura dinamica, per acciai temprati  
4 flute end mill 4xD for trochoidal milling of hardened steel  
4-schneidiger Schaftfräser 4xD zum Trochoidenfräsen von gehärtetem Stahl  
Fraise 4 dents 4xD, pour usinage trochoïdaux des aciers trempés



	D h10	Cr/r	l	l1	a	L	d h5	6535	Balinit® Tisaflex	Stock
Cr	6,00	0,50	24,00	28,0	0,15	66	6	HB	F00440H0600001	●
	8,00	0,50	32,00	36,0	0,15	74	8	HB	F00440H0800001	●
	10,00	0,50	40,00	45,0	0,15	89	10	HB	F00440H1000001	●
	12,00	0,50	48,00	54,0	0,20	105	12	HB	F00440H1200001	●
	16,00	1,00	64,00	72,0	0,20	125	16	HB	F00440H1600001	●
	20,00	1,00	80,00	90,0	0,20	145	20	HB	F00440H2000001	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

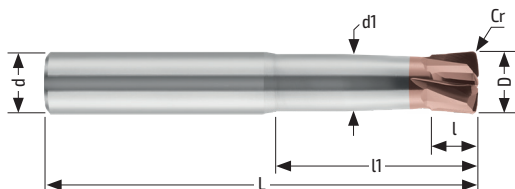



Non ISO  
Not ISO



**007W**

Fresa 4 taglienti per sgrossatura e copiatura ad elevati avanzamenti  
 4 flute high feed end mill for roughing and copy milling at high feed  
 4-schneidiger Hochvorschubfräser zum Schrappen und Kopierfräsen  
 mit hohem Vorschub  
 Fraise à 4 dents pour ébauche et pour copiage grande avance



	D h10	Cr/r	Rth	l	l1	d1	L	d h5	Balinit® Tisaflex	Stock
3,00	0,30	0,40	3,0	10,0	2,6	57	6	F007W0H00300001	●	
				15,0					●	
				20,0					●	
				25,0					●	
4,00	0,50	0,60	3,0	10,0	3,6	57	6	F007W0H00400001	●	
				15,0				●		
				20,0				●		
				25,0				●		
				30,0		78	6	F007W0H00400004	●	
				35,0				●		
				40,0				●		
				40,0				●		
5,00	0,50	0,60	4,0	15,0	4,6	57	6	F007W0H00500001	○	
				20,0				○		
				25,0				○		
				30,0		78		F007W0H00500004	○	
				35,0				○		
				40,0				○		
6,00	0,60	0,70	5,0	15,0	5,6	57	6	F007W0H00600001	●	
				20,0				●		
				25,0				●		
				30,0				●		
				35,0		78		F007W0H00600003	●	
				40,0				●		
				40,0				●		
				40,0				●		
8,00	0,60	0,80	6,0	20,0	7,3	63	8	F007W0H00800001	●	
				25,0				●		
				30,0				●		
				35,0		80		F007W0H00800003	●	
				40,0				●		
				45,0				●		
				50,0		105		F007W0H00800004	●	
				55,0				●		
				60,0				●		
				60,0				●		
10,00	0,70	1,00	7,0	30,0	9,0	78	10	F007W0H01000001	●	
				35,0				●		
				40,0				●		
				45,0				●		
				50,0		105		F007W0H01000003	●	
				55,0				●		
				60,0				●		
				60,0				●		

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



007W



D <sub>h10</sub>	Cr/r	Rth	l	l1	d1	L	d <sub>h5</sub>	Balinit® Tisaflex	Stock
12,00	0,80	1,20	8,0	35,0	11,0	83	12	F007W0H01200001	●
				40,0				F007W0H01200002	●
				45,0				F007W0H01200003	●
				50,0				F007W0H01200004	●
				55,0		105		F007W0H01200005	●
				60,0				F007W0H01200006	●
				65,0				F007W0H01200007	●
				70,0				F007W0H01200008	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



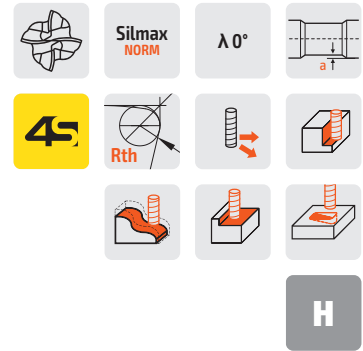
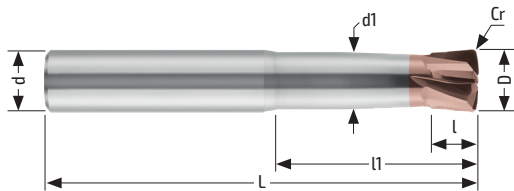
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 008W

Fresa 4 taglienti per sgrossatura e copiatura ad elevati avanzamenti, per acciai temprati  
 4 flute high feed end mill for roughing and copy milling at high feed of hardened steel  
 4-schneidiger Hochvorschubfräser zum Schruppen und Kopierfräsen bei hohem Vorschub von gehärtetem Stahl  
 Fraise à 4 dents pour ébauche et pour copiage grande avance, aciers trempés



D h10	Cr/r	Rth	l	l1	d1	L	d h5	Balinit® Tisaflex	Stock
3,00	0,30	0,40	3,0	10,0	2,6	57	6	F008W0H00300001	●
				15,0				F008W0H00300002	●
				20,0				F008W0H00300003	●
				25,0				F008W0H00300004	●
4,00	0,50	0,60	3,0	10,0	3,6	78	6	F008W0H00400001	●
				15,0				F008W0H00400002	●
				20,0				F008W0H00400003	●
				25,0				F008W0H00400004	●
				30,0		F008W0H00400005		●	
				35,0		F008W0H00400006		●	
5,00	0,50	0,60	4,0	15,0	4,6	57	6	F008W0H00500001	○
				20,0				F008W0H00500002	○
				25,0		78		F008W0H00500003	○
				30,0				F008W0H00500004	○
				35,0				F008W0H00500005	○
6,00	0,60	0,70	5,0	40,0	5,6	78	6	F008W0H00500006	○
				15,0				F008W0H00600001	●
				20,0		F008W0H00600002		●	
				25,0		F008W0H00600003		●	
				30,0		F008W0H00600004		●	
8,00	0,60	0,80	6,0	35,0	7,3	80	8	F008W0H00600005	●
				40,0				F008W0H00600006	●
				45,0				F008W0H00600007	●
				50,0				F008W0H00600008	●
				55,0		105		F008W0H00800001	●
				60,0				F008W0H00800002	●
				30,0				F008W0H00800003	●
				35,0				F008W0H00800004	●
10,00	0,70	1,00	7,0	40,0	9,00	78	10	F008W0H00800005	●
				45,0				F008W0H00800006	●
				50,0				F008W0H00800007	●
				55,0		105		F008W0H01000001	●
				60,0				F008W0H01000002	●
				30,0				F008W0H01000003	●
				35,0				F008W0H01000004	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



008W



D <sub>h10</sub>	Cr/r	Rth	l	l1	d1	L	d <sub>h5</sub>	Balinit® Tisaflex	Stock
12,00	0,80	1,20	8,0	35,0	11,0	83	12	F008W0H01200001	●
				40,0				F008W0H01200002	●
				45,0				F008W0H01200003	●
				50,0				F008W0H01200004	●
				55,0		105		F008W0H01200005	●
				60,0				F008W0H01200006	●
				65,0				F008W0H01200007	●
				70,0				F008W0H01200008	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



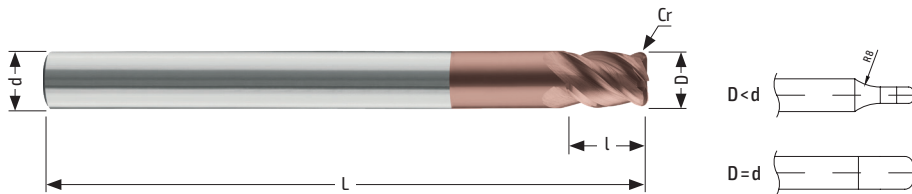
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

1144

Fresa 4 taglienti torica con divisione irregolare per sgrossatura  
 4 Flutes end mill unequal flute spacing for roughing  
 4-schneidiger Eckradius-Schaftfräser mit ungleicher Teilung  
 Fraise toriques 4 dents pas décalé pour ébauche



	D h6	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
	1,00	0,20	1,00	78	6	F11440H00100001	●
	1,50	0,30	1,50	78	6	F11440H00150001	●
	2,00	0,50	2,00	78	6	F11440H00200001	●
	2,50	0,50	2,50	78	6	F11440H00250001	●
	3,00	0,80	3,00	78	6	F11440H00300001	●
	4,00	1,00	4,00	78	6	F11440H00400001	●
	5,00	1,20	5,00	78	6	F11440H00500001	○
	6,00	1,50	6,00	105	6	F11440H00600001	●
	8,00	2,00	8,00	105	8	F11440H00800001	●
	10,00	2,00	10,00	120	10	F11440H01000001	●
	12,00	2,00	12,00	120	12	F11440H01200001	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.

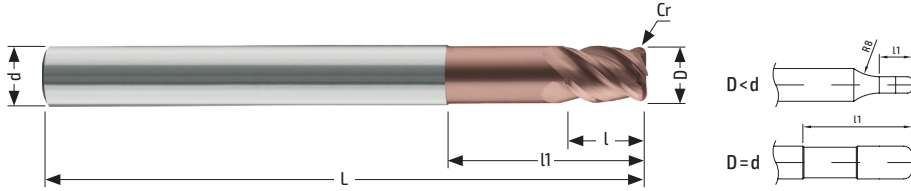


1144



# 1144S

Fresa 4 taglienti torica con divisione irregolare per sgrossatura, con collarino  
 4 Flutes corner radius end mill unequal flute spacing for roughing with neck relief  
 4-schneidiger Eckradius-Schaftfräser mit ungleicher Teilung zum Schruppen mit Halsfreistellung  
 Fraise toriques 4 dents pas décalé pour ébauche, avec dégagement



**P** **K** **H**

	D h6	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
	1,00	0,20	1,0	4,0	0,03	78	6	F1144SH00100001	●
				6,0				F1144SH00100002	●
				8,0				F1144SH00100003	●
				10,0				F1144SH00100004	●
				12,0				F1144SH00100005	●
	1,50	0,30	1,5	4,0	F1144SH00150001			●	
				6,0	F1144SH00150002			●	
				8,0	F1144SH00150003			●	
				10,0	F1144SH00150004			●	
				12,0	F1144SH00150005			●	
	2,00	0,50	2,0	8,0	F1144SH00200001			●	
				10,0	F1144SH00200002			●	
				12,0	F1144SH00200003			●	
				14,0	F1144SH00200004			●	
				15,0	F1144SH00200005			●	
				16,0	F1144SH00200006			●	
				18,0	F1144SH00200007			⊙	
				20,0	F1144SH00200008			⊙	
	2,50	0,50	2,5	10,0	F1144SH00250001			●	
				12,0	F1144SH00250002			●	
14,0				F1144SH00250003	●				
15,0				F1144SH00250004	●				
16,0				F1144SH00250005	●				
18,0				F1144SH00250006	●				
20,0				F1144SH00250007	●				
20,0				F1144SH00250008	●				
3,00	0,80	3,0	12,0	F1144SH00300001	●				
			14,0	F1144SH00300002	⊙				
			15,0	F1144SH00300003	⊙				
			16,0	F1144SH00300004	●				
			18,0	F1144SH00300005	⊙				
			20,0	F1144SH00300006	●				
			22,0	F1144SH00300007	⊙				
			25,0	F1144SH00300008	⊙				
			28,0	F1144SH00300009	⊙				
4,00	1,00	4,0	16,0	F1144SH00400001	●				
			20,0	F1144SH00400002	●				
			25,0	F1144SH00400003	⊙				
			30,0	F1144SH00400004	⊙				
			35,0	F1144SH00400005	⊙				

- Disponibilità pronta consegna / Available for prompt delivery
- ⊙ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1144S



D h6	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
5,00	1,20	5,0	20,0	0,05	78	6	F1144SH00500001	○
			25,0				F1144SH00500002	○
			30,0				F1144SH00500003	○
			35,0				F1144SH00500004	○
			40,0				F1144SH00500005	○
			45,0				F1144SH00500006	○
6,00	1,50	6,0	20,0	0,15	105	6	F1144SH00600001	●
			25,0				F1144SH00600002	●
			30,0				F1144SH00600003	●
			35,0				F1144SH00600012	⦿
			40,0				F1144SH00600013	⦿
			45,0				F1144SH00600014	⦿
8,00	2,00	8,0	30,0	0,15	105	8	F1144SH00800001	⦿
			35,0				F1144SH00800002	⦿
			40,0				F1144SH00800003	●
			45,0				F1144SH00800004	⦿
			50,0				F1144SH00800005	⦿
			55,0				F1144SH00800006	⦿
10,00	2,00	10,0	60,0	0,15	120	10	F1144SH01000001	⦿
			65,0				F1144SH01000002	⦿
			70,0				F1144SH01000003	⦿
			75,0				F1144SH01000004	●
			80,0				F1144SH01000005	⦿
			85,0				F1144SH01000006	⦿
			40,0				F1144SH01000007	⦿
			45,0				F1144SH01000008	⦿
			50,0				F1144SH01000009	⦿
			55,0				F1144SH01000010	⦿
12,00	2,00	12,0	60,0	0,20	120	12	F1144SH01200001	⦿
			65,0				F1144SH01200002	⦿
			70,0				F1144SH01200003	⦿
			75,0				F1144SH01200004	⦿
			80,0				F1144SH01200005	●
			85,0				F1144SH01200006	⦿
			40,0				F1144SH01200007	⦿
			45,0				F1144SH01200008	⦿
			50,0				F1144SH01200009	⦿
			55,0				F1144SH01200010	⦿



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

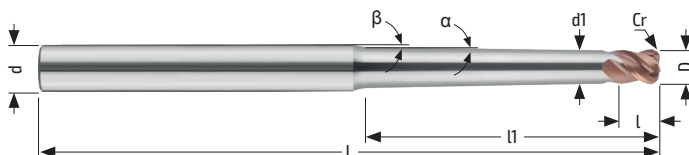


Non ISO  
Not ISO



## 1144A

Fresa 4 taglienti torica con divisione irregolare per sgrossatura, con collarino conico  
 4 Flutes corner radius end mill unequal flute spacing for roughing with tapered neck relief  
 4-schneidiger Eckradius-Schaftfräser mit ungleicher Teilung zum Schruppen mit konischem Hals  
 Fraise toriques 4 dents pas décalé pour ébauche, avec dégagement conique



D h6	Cr/r	l	l1	d1	$\alpha^\circ$	$\beta^\circ$	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									$\epsilon 0,5^\circ$	$\epsilon 1,0^\circ$	$\epsilon 2,0^\circ$	$\epsilon 3,0^\circ$		
1,00	0,20	1,00	14,0	0,95	0,4	12	78	6	14,26	14,89	16,34	18,10	F1144SH00100006	●
					0,9				5,58	14,31	15,70	17,39	F1144SH00100007	●
					1,4				3,03	6,57	15,06	16,68	F1144SH00100008	●
					1,9				2,30	3,47	14,42	15,97	F1144SH00100009	●
					0,4				15,27	15,95	17,49	19,38	F1144SH00100010	●
					0,9				5,58	15,32	16,81	18,62	F1144SH00100011	●
					1,4				3,03	6,57	15,85	17,12	F1144SH00100012	●
					1,9				2,30	3,47	15,33	16,55	F1144SH00100013	●
					0,4				16,28	17,00	18,65	20,67	F1144SH00100014	●
					0,9				5,58	16,33	17,92	19,85	F1144SH00100015	●
					1,4				3,03	6,57	17,18	19,03	F1144SH00100016	●
					1,9				2,30	3,47	16,44	18,21	F1144SH00100017	●
			0,4	18,30	19,11	20,97	23,23	F1144SH00100018	●					
			0,9	5,58	18,35	20,13	22,31	F1144SH00100019	●					
			1,4	3,03	6,57	19,30	21,38	F1144SH00100020	●					
			1,9	2,30	3,47	18,46	20,45	F1144SH00100021	●					
			0,4	20,31	21,21	23,28	25,80	F1144SH00100022	●					
			0,9	5,58	20,36	22,35	24,77	F1144SH00100023	●					
			1,4	3,03	6,57	21,41	23,73	F1144SH00100024	●					
			1,9	2,30	3,47	20,48	22,69	F1144SH00100025	●					
			0,4	22,33	23,32	25,60	28,37	F1144SH00100026	●					
			0,9	5,58	22,38	24,56	27,23	F1144SH00100027	●					
			1,4	3,03	6,57	23,53	26,08	F1144SH00100028	●					
			1,9	2,30	3,47	22,50	24,94	F1144SH00100029	●					
			0,4	24,35	25,43	27,91	30,94	F1144SH00100030	●					
			0,9	5,58	24,40	26,78	29,68	F1144SH00100031	●					
			1,4	3,03	6,57	25,65	28,43	F1144SH00100032	●					
			1,9	2,30	3,47	24,52	27,18	F1144SH00100033	●					
			0,4	25,36	26,48	29,07	32,22	F1144SH00100034	●					
			0,9	5,58	25,41	27,89	30,91	F1144SH00100035	●					
			1,4	3,03	6,57	26,71	29,60	F1144SH00100036	●					
			1,9	2,30	3,47	25,53	28,30	F1144SH00100037	●					
			0,4	28,38	29,64	32,54	36,07	F1144SH00100038	●					
			0,9	5,58	28,44	31,21	34,60	F1144SH00100039	●					
			1,4	3,03	6,57	29,89	33,13	F1144SH00100040	●					
			1,9	2,30	3,47	28,56	31,66	F1144SH00100041	●					
			0,4	30,40	31,75	34,85	38,64	F1144SH00100042	●					
			0,9	5,58	30,45	33,43	37,06	F1144SH00100043	●					
			1,4	3,03	6,57	32,00	35,48	F1144SH00100044	●					
			1,9	2,30	3,47	30,58	33,90	F1144SH00100045	●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1144A



D h6	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,00	0,20	1,00	32,0	0,95	0,4	12	78	6	32,42	33,86	37,17	41,21	F1144SH00100046	●
					0,9				5,58	32,47	35,65	39,52	F1144SH00100047	●
					1,4				3,03	6,57	34,12	37,83	F1144SH00100048	●
					1,9				2,30	3,47	32,60	36,14	F1144SH00100049	●
			0,4		35,44				37,02	40,64	45,06	F1144SH00100050	●	
			0,9		5,58				35,50	38,97	43,20	F1144SH00100051	●	
			1,4		3,03				6,57	37,30	41,35	F1144SH00100052	●	
			1,9		2,30				3,47	35,63	39,50	F1144SH00100053	●	
			0,4		40,49				42,29	46,43	-	F1144SH00100054	●	
			0,9		5,58				40,54	44,51	-	F1144SH00100055	●	
			1,4		3,03				6,57	42,59	47,22	F1144SH00100056	●	
			1,9		2,30				3,47	40,68	45,10	F1144SH00100057	●	
			0,4		14,28				14,90	16,34	18,09	F1144SH00150006	●	
			0,9		6,58				14,34	15,72	17,41	F1144SH00150007	●	
			1,4		3,75				8,07	15,11	16,73	F1144SH00150008	●	
			1,9		2,95				4,42	14,49	16,05	F1144SH00150009	●	
0,4	15,28	15,96	17,49	19,37	F1144SH00150010	●								
0,9	6,58	15,35	16,83	18,64	F1144SH00150011	●								
1,4	3,75	8,07	16,17	17,90	F1144SH00150012	●								
1,9	2,95	4,42	15,50	17,17	F1144SH00150013	●								
0,4	16,29	17,01	18,65	20,66	F1144SH00150014	●								
0,9	6,58	16,36	17,94	19,87	F1144SH00150015	●								
1,4	3,75	8,07	17,23	19,08	F1144SH00150016	●								
1,9	2,95	4,42	16,51	18,29	F1144SH00150017	●								
0,4	18,31	19,12	20,97	23,22	F1144SH00150018	●								
0,9	6,58	18,38	20,16	22,32	F1144SH00150019	●								
1,4	3,75	8,07	19,35	21,43	F1144SH00150020	●								
1,9	2,95	4,42	18,53	20,53	F1144SH00150021	●								
0,4	20,33	21,22	23,28	25,79	F1144SH00150022	●								
0,9	6,58	20,40	22,37	24,78	F1144SH00150023	●								
1,4	3,75	8,07	21,46	23,77	F1144SH00150024	●								
1,9	2,95	4,42	20,55	22,77	F1144SH00150025	●								
0,4	22,34	23,33	25,60	28,36	F1144SH00150026	●								
0,9	6,58	22,41	24,59	27,24	F1144SH00150027	●								
1,4	3,75	8,07	23,58	26,12	F1144SH00150028	●								
1,9	2,95	4,42	22,57	25,01	F1144SH00150029	●								
0,4	24,36	25,44	27,91	30,93	F1144SH00150030	●								
0,9	6,58	24,43	26,81	29,70	F1144SH00150031	●								
1,4	3,75	8,07	25,70	28,47	F1144SH00150032	●								
1,9	2,95	4,42	24,59	27,25	F1144SH00150033	●								
0,4	25,37	26,49	29,07	32,21	F1144SH00150034	●								
0,9	6,58	25,44	27,91	30,93	F1144SH00150035	●								
1,4	3,75	8,07	26,76	29,65	F1144SH00150036	●								
1,9	2,95	4,42	25,60	28,37	F1144SH00150037	●								
0,4	28,40	29,65	32,54	36,06	F1144SH00150038	●								
0,9	6,58	28,47	31,24	34,62	F1144SH00150039	●								
1,4	3,75	8,07	29,94	33,17	F1144SH00150040	●								
1,9	2,95	4,42	28,63	31,73	F1144SH00150041	●								
0,4	30,41	31,76	34,85	38,63	F1144SH00150042	●								
0,9	6,58	30,49	33,45	37,07	F1144SH00150043	●								
1,4	3,75	8,07	32,05	35,52	F1144SH00150044	●								
1,9	2,95	4,42	30,65	33,97	F1144SH00150045	●								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



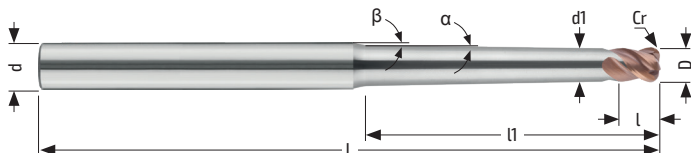
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## 1144A

Fresa 4 taglienti torica con divisione irregolare per sgrossatura, con collarino conico  
 4 Flutes corner radius end mill unequal flute spacing for roughing with tapered neck relief  
 4-schneidiger Eckradius-Schaftfräser mit ungleicher Teilung zum Schruppen mit konischem Hals  
 Fraise toriques 4 dents pas décalé pour ébauche, avec dégagement conique



Cr	D h6	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,4	1,50	0,30	1,50	32,0	1,45	0,4	12	78	6	32,43	33,87	37,17	41,20	F1144SH00150046	●
						0,9				6,58	32,50	35,67	39,53	F1144SH00150047	●
						1,4				3,75	8,07	34,17	37,87	F1144SH00150048	●
						1,9				2,95	4,42	32,67	36,21	F1144SH00150049	●
				0,4	35,46	37,03				40,64	-	F1144SH00150050	●		
				0,9	6,58	35,53				38,99	43,22	F1144SH00150051	●		
				1,4	3,75	8,07				37,35	41,39	F1144SH00150052	●		
				1,9	2,95	4,42				35,70	39,57	F1144SH00150053	●		
				0,4	40,50	42,30				46,43	-	F1144SH00150054	●		
				0,9	6,58	40,58				44,54	-	F1144SH00150055	●		
				1,4	3,75	8,07				42,64	-	F1144SH00150056	●		
				1,9	2,95	4,42				40,75	-	F1144SH00150057	●		
0,9	2,00	0,50	2,00	22,0	1,90	0,4	12	78	6	22,35	23,33	25,58	28,31	F1144SH00200009	●
						0,9				7,45	22,44	24,59	27,23	F1144SH00200010	●
						1,4				4,42	9,32	23,61	26,13	F1144SH00200011	●
						1,9				3,55	5,25	22,63	25,04	F1144SH00200012	●
				0,4	24,37	25,44				27,89	30,88	F1144SH00200013	●		
				0,9	7,45	24,45				26,81	29,68	F1144SH00200014	●		
				1,4	4,42	9,32				25,73	28,48	F1144SH00200015	●		
				1,9	3,55	5,25				24,65	27,28	F1144SH00200016	●		
				0,4	25,38	26,49				29,05	32,17	F1144SH00200017	●		
				0,9	7,45	25,46				27,92	30,91	F1144SH00200018	●		
				1,4	6,01	12,90				26,93	29,81	F1144SH00200019	●		
				1,9	4,58	6,84				25,80	28,56	F1144SH00200020	●		
				0,4	28,53	29,78				32,66	36,17	F1144SH00200021	●		
				0,9	11,03	28,62				31,38	34,76	F1144SH00200022	●		
				1,4	6,01	12,90				30,11	33,34	F1144SH00200023	●		
				1,9	4,58	6,84				28,83	31,92	F1144SH00200024	●		
				0,4	30,54	31,89				34,98	-	F1144SH00200025	●		
				0,9	11,03	30,64				33,60	37,21	F1144SH00200026	●		
				1,4	6,01	12,90				32,22	35,69	F1144SH00200027	●		
				1,9	4,58	6,84				30,85	34,16	F1144SH00200028	●		
				0,4	32,56	34,00				37,29	-	F1144SH00200029	●		
				0,9	11,03	32,65				35,82	-	F1144SH00200030	●		
				1,4	6,01	12,90				34,34	38,04	F1144SH00200031	●		
				1,9	4,58	6,84				32,87	36,40	F1144SH00200032	●		
0,4	35,59	37,16	40,76	-	F1144SH00200033	●									
0,9	11,03	35,68	39,14	-	F1144SH00200034	●									
1,4	6,01	12,90	37,52	-	F1144SH00200035	●									
1,9	4,58	6,84	35,90	-	F1144SH00200036	●									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1144A



D h6	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,50	2,00	40,0	1,90	0,4	12	78	6	40,63	42,43	46,55	-	F1144SH00200037	●
					0,9				11,03	40,73	44,68	-	F1144SH00200038	●
					1,4				6,01	12,90	42,81	-	F1144SH00200039	●
					1,9				4,58	6,84	40,95	-	F1144SH00200040	●
					0,4				45,67	47,69	52,33	-	F1144SH00200041	●
					0,9				11,03	45,77	50,22	-	F1144SH00200042	●
			45,0		1,4				6,01	12,90	48,11	-	F1144SH00200043	●
					1,9				4,58	6,84	45,99	-	F1144SH00200044	●
					0,4				22,49	23,48	25,74	28,49	F1144SH00250008	●
					0,9				12,16	22,60	24,78	27,43	F1144SH00250009	●
					1,4				6,79	14,65	23,82	26,37	F1144SH00250010	●
					1,9				5,25	7,90	22,86	25,30	F1144SH00250011	●
2,50	0,50	2,50	22,0	2,40	0,4	12	78	6	24,51	25,58	28,05	31,06	F1144SH00250012	●
					0,9				12,16	24,62	26,99	29,89	F1144SH00250013	●
					1,4				6,79	14,65	25,94	28,72	F1144SH00250014	●
					1,9				5,25	7,90	24,88	27,54	F1144SH00250015	●
					0,4				25,52	26,64	29,21	32,34	F1144SH00250016	●
					0,9				12,16	25,63	28,10	31,12	F1144SH00250017	●
			24,0		1,4				6,79	14,65	27,00	29,89	F1144SH00250018	●
					1,9				5,25	7,90	25,89	28,66	F1144SH00250019	●
					0,4				28,54	29,80	32,68	-	F1144SH00250020	●
					0,9				12,16	28,66	31,43	-	F1144SH00250021	●
					1,4				6,79	14,65	30,17	33,42	F1144SH00250022	●
					1,9				5,25	7,90	28,92	32,02	F1144SH00250023	●
			25,0		0,4				30,56	31,91	34,99	-	F1144SH00250024	●
					0,9				12,16	30,68	33,64	-	F1144SH00250025	●
					1,4				6,79	14,65	32,29	-	F1144SH00250026	●
					1,9				5,25	7,90	30,94	-	F1144SH00250027	●
					0,4				32,58	34,01	37,31	-	F1144SH00250028	●
					0,9				12,16	32,69	35,86	-	F1144SH00250029	●
			28,0		1,4				6,79	14,65	34,41	-	F1144SH00250030	●
					1,9				5,25	7,90	32,96	-	F1144SH00250031	●
					0,4				35,60	37,17	40,78	-	F1144SH00250032	●
					0,9				12,16	35,72	39,18	-	F1144SH00250033	●
					1,4				6,79	14,65	37,59	-	F1144SH00250034	●
					1,9				5,25	7,90	35,99	-	F1144SH00250035	●
30,0	0,50	2,50	30,0	2,40	0,4	12	78	6	40,65	42,44	46,57	-	F1144SH00250036	●
					0,9				12,16	40,77	44,73	-	F1144SH00250037	●
					1,4				6,79	14,65	42,88	-	F1144SH00250038	●
					1,9				5,25	7,90	41,04	-	F1144SH00250039	●
					0,4				45,69	47,71	-	-	F1144SH00250040	●
					0,9				12,16	45,81	50,27	-	F1144SH00250041	●
			32,0		1,4				6,79	14,65	48,18	-	F1144SH00250042	●
					1,9				5,25	7,90	46,09	-	F1144SH00250043	●
					0,4				22,50	23,47	25,70	28,42	F1144SH00300007	●
					0,9				12,91	22,62	24,76	27,38	F1144SH00300008	●
					1,4				7,40	15,65	23,83	26,35	F1144SH00300009	●
					1,9				5,83	8,62	22,90	25,31	F1144SH00300010	●
35,0	0,4	24,51	25,58	28,01	-	F1144SH00300011	●							
	0,9	12,91	24,64	26,98	-	F1144SH00300012	●							
	1,4	7,40	15,65	25,95	28,69	F1144SH00300013	●							
	1,9	5,83	8,62	24,92	27,55	F1144SH00300014	●							
	0,4	40,0	40,0	40,0	40,0									
	0,9	45,0	45,0	45,0	45,0									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



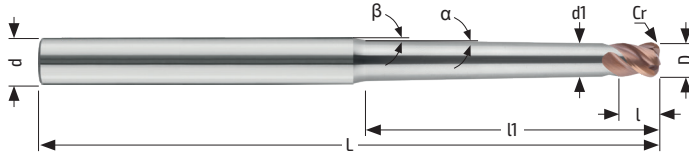
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## 1144A

Fresa 4 taglienti torica con divisione irregolare per sgrossatura, con collarino conico  
 4 Flutes corner radius end mill unequal flute spacing for roughing with tapered neck relief  
 4-schneidiger Eckradius-Schaftfräser mit ungleicher Teilung zum Schruppen mit konischem Hals  
 Fraise toriques 4 dents pas décalé pour ébauche, avec dégagement conique

Silmax  
NORMλ 42°  
λ 44°

D h6	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,80	3,00	25,0	2,90	12	78	6	6	25,52	26,63	29,17	-	F1144SH00300015	●
									12,91	25,64	28,09	-	F1144SH00300016	●
									7,40	15,65	27,01	-	F1144SH00300017	●
									5,83	8,62	25,93	28,67	F1144SH00300018	●
									26,53	27,68	30,33	-	F1144SH00300019	●
									12,91	26,65	29,20	-	F1144SH00300020	●
									7,40	15,65	28,07	-	F1144SH00300021	●
									5,83	8,62	26,94	-	F1144SH00300022	●
									28,55	29,79	32,64	-	F1144SH00300023	●
									12,91	28,67	31,41	-	F1144SH00300024	●
									7,40	15,65	30,18	-	F1144SH00300025	●
									5,83	8,62	28,95	-	F1144SH00300026	●
			30,57	31,90	34,96	-	F1144SH00300027	●						
			12,91	30,69	33,63	-	F1144SH00300028	●						
			7,40	15,65	32,30	-	F1144SH00300029	●						
			5,83	8,62	30,97	-	F1144SH00300030	●						
			32,58	34,00	37,27	-	F1144SH00300031	●						
			12,91	32,71	35,85	-	F1144SH00300032	●						
			7,40	15,65	34,42	-	F1144SH00300033	●						
			5,83	8,62	32,99	-	F1144SH00300034	●						
			35,61	37,17	40,74	-	F1144SH00300035	●						
			12,91	35,73	39,17	-	F1144SH00300036	●						
			7,40	15,65	37,60	-	F1144SH00300037	●						
			5,83	8,62	36,02	-	F1144SH00300038	●						
			40,65	42,43	-	-	F1144SH00300039	●						
			12,91	40,78	-	-	F1144SH00300040	●						
			7,40	15,65	42,89	-	F1144SH00300041	●						
			5,83	8,62	41,07	-	F1144SH00300042	●						
			45,69	47,70	-	-	F1144SH00300043	●						
			12,91	45,82	-	-	F1144SH00300044	●						
			7,40	15,65	-	-	F1144SH00300045	●						
			5,83	8,62	-	-	F1144SH00300046	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1144A



D h6	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	1,00	4,00	22,0	3,90	0,4	12	78	6	22,52	23,49	25,70	-	F1144SH00400003	●
									14,91	22,68	24,81	-	F1144SH00400004	●
									8,84	18,65	23,93	-	F1144SH00400005	●
									24,54	25,59	28,01	-	F1144SH00400006	●
									14,91	24,70	27,03	-	F1144SH00400007	●
									8,84	18,65	26,05	-	F1144SH00400008	●
			24,0						25,55	26,65	29,17	-	F1144SH00400009	●
									14,91	25,71	28,14	-	F1144SH00400010	●
									8,84	18,65	27,11	-	F1144SH00400011	●
									28,57	29,81	-	-	F1144SH00400012	●
									14,91	28,73	-	-	F1144SH00400013	●
									8,84	18,65	-	-	F1144SH00400014	●
			25,0						30,59	31,92	-	-	F1144SH00400015	●
									14,91	30,75	-	-	F1144SH00400016	●
									8,84	18,65	-	-	F1144SH00400017	●
									32,61	34,02	-	-	F1144SH00400018	●
									14,91	32,77	-	-	F1144SH00400019	●
									8,84	18,65	-	-	F1144SH00400020	●
			28,0						35,63	37,18	-	-	F1144SH00400021	●
									14,91	35,80	-	-	F1144SH00400022	●
									8,84	18,65	-	-	F1144SH00400023	●
									40,68	42,45	-	-	F1144SH00400024	●
									14,91	40,84	-	-	F1144SH00400025	●
									8,84	18,65	-	-	F1144SH00400026	●
			30,0						45,72	47,72	-	-	F1144SH00400027	●
									14,91	45,89	-	-	F1144SH00400028	●
									8,84	18,65	-	-	F1144SH00400029	●
									16,91	30,81	33,73	-	F1144SH00500007	○
									16,91	35,86	39,27	-	F1144SH00500008	○
									16,91	40,90	-	-	F1144SH00500009	○
			32,0						16,91	45,95	-	-	F1144SH00500010	○
									16,91	50,77	-	-	F1144SH00500011	○
									33,10	36,43	-	-	F1144SH00600004	●
									33,10	41,47	-	-	F1144SH00600005	●
									33,10	46,52	-	-	F1144SH00600006	●
									33,10	51,56	-	-	F1144SH00600007	●
35,0	33,10	56,60	-	-	F1144SH00600008	●								
	33,10	-	-	-	F1144SH00600009	●								
	33,10	-	-	-	F1144SH00600010	●								
	33,10	-	-	-	F1144SH00600011	●								
	33,10	-	-	-	F1144SH00600011	●								
	33,10	-	-	-	F1144SH00600011	●								
5,00	1,20	5,00	30,0	4,90	0,9	12	105	8	16,91	30,81	33,73	-	F1144SH00500007	○
			35,0						16,91	35,86	39,27	-	F1144SH00500008	○
			40,0						16,91	40,90	-	-	F1144SH00500009	○
			45,0						16,91	45,95	-	-	F1144SH00500010	○
			50,0						16,91	50,77	-	-	F1144SH00500011	○
6,00	1,50	6,00	35,0	5,70	0,9	12	105	8	33,10	36,43	-	-	F1144SH00600004	●
			40,0						33,10	41,47	-	-	F1144SH00600005	●
			45,0						33,10	46,52	-	-	F1144SH00600006	●
			50,0						33,10	51,56	-	-	F1144SH00600007	●
			55,0						33,10	56,60	-	-	F1144SH00600008	●
			60,0						33,10	-	-	-	F1144SH00600009	●
			65,0						33,10	-	-	-	F1144SH00600010	●
			70,0						33,10	-	-	-	F1144SH00600011	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



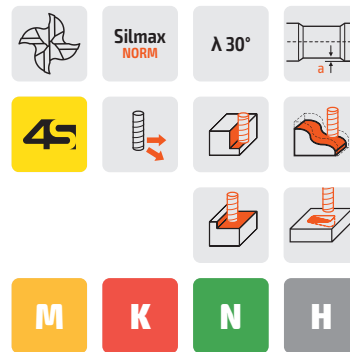
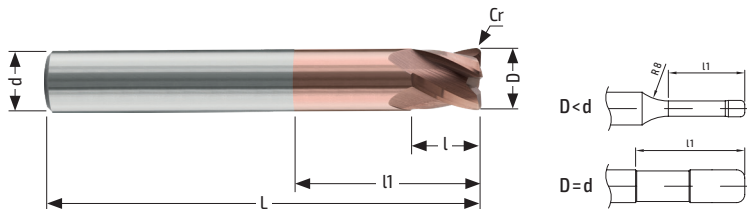
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
1,00	0,10	1,50	2,0	0,03	50	4	F11420H00100031	●
			4,0		57	6	F11420H00100001	●
			6,0		50	4	F11420H00100032	●
			8,0		57	6	F11420H00100002	●
			10,0		50	4	F11420H00100033	●
			12,0		57	6	F11420H00100003	●
			14,0		50	4	F11420H00100034	●
			16,0		57	6	F11420H00100004	●
			18,0		50	4	F11420H00100035	●
			20,0		57	6	F11420H00100005	●
	0,20	1,50	2,0		50	4	F11420H00100036	●
			4,0		57	6	F11420H00100006	●
			6,0		50	4	F11420H00100037	○
			8,0		57	6	F11420H00100007	○
			10,0		50	4	F11420H00100038	○
			12,0		57	6	F11420H00100008	○
			14,0		50	4	F11420H00100039	○
			16,0		57	6	F11420H00100009	○
			18,0		50	4	F11420H00100040	○
			20,0		57	6	F11420H00100010	○
			2,0	50	4	F11420H00100041	●	
			4,0	57	6	F11420H00100011	●	
			6,0	50	4	F11420H00100042	●	
			8,0	57	6	F11420H00100012	●	
			10,0	50	4	F11420H00100043	●	
			12,0	57	6	F11420H00100013	●	
			14,0	50	4	F11420H00100044	●	
			16,0	57	6	F11420H00100014	●	
			18,0	50	4	F11420H00100045	●	
			20,0	57	6	F11420H00100015	●	
			2,0	50	4	F11420H00100046	●	
			4,0	57	6	F11420H00100016	●	
			6,0	50	4	F11420H00100047	○	
			8,0	57	6	F11420H00100017	○	
			10,0	50	4	F11420H00100048	○	
			12,0	57	6	F11420H00100018	○	
			14,0	50	4	F11420H00100049	○	
			16,0	57	6	F11420H00100019	○	
			18,0	50	4	F11420H00100050	○	
			20,0	57	6	F11420H00100020	○	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock				
1,00	0,30	1,50	2,0	0,03	50	4	F11420H00100051	○				
			4,0		57	6	F11420H00100021	○				
			6,0		50	4	F11420H00100052	○				
			8,0		57	6	F11420H00100022	○				
			10,0		50	4	F11420H00100053	○				
			12,0		57	6	F11420H00100023	○				
			14,0		50	4	F11420H00100054	○				
			16,0		57	6	F11420H00100024	○				
			18,0		50	4	F11420H00100055	○				
			20,0		57	6	F11420H00100025	○				
			4,0		50	4	F11420H00100056	○				
			6,0		57	6	F11420H00100026	○				
			8,0		50	4	F11420H00100057	○				
			10,0		57	6	F11420H00100027	○				
			12,0		50	4	F11420H00100058	○				
			14,0		57	6	F11420H00100028	○				
			1,50		0,10	2,00	4,0	0,03	50	4	F11420H00100059	○
							6,0		57	6	F11420H00100029	○
8,0	50	4		F11420H00100060			○					
10,0	57	6		F11420H00100030			○					
12,0	50	4		F11420H00150037			○					
14,0	57	6		F11420H00150001			○					
16,0	50	4		F11420H00150001			○					
18,0	57	6		F11420H00150038			○					
20,0	50	4		F11420H00150002			○					
4,0	57	6		F11420H00150002			○					
6,0	50	4		F11420H00150039			○					
8,0	57	6		F11420H00150003			○					
10,0	50	4		F11420H00150003			○					
12,0	57	6		F11420H00150004			○					
14,0	50	4		F11420H00150004			○					
16,0	57	6		F11420H00150004			○					
18,0	50	4		F11420H00150041			○					
20,0	57	6		F11420H00150005			○					
4,0	50	4		F11420H00150005	○							
6,0	57	6		F11420H00150006	○							
8,0	50	4		F11420H00150006	○							
10,0	57	6		F11420H00150007	○							
12,0	50	4		F11420H00150007	○							
14,0	57	6		F11420H00150008	○							
16,0	50	4		F11420H00150008	○							
18,0	57	6		F11420H00150008	○							
20,0	50	4		F11420H00150045	○							
4,0	57	6		F11420H00150009	○							
6,0	50	4		F11420H00150046	●							
8,0	57	6		F11420H00150010	●							
10,0	50	4		F11420H00150047	●							
12,0	57	6		F11420H00150011	●							
14,0	50	4		F11420H00150048	●							
16,0	57	6		F11420H00150012	●							
18,0	50	4		F11420H00150049	●							
20,0	57	6		F11420H00150013	●							
4,0	50	4	F11420H00150050	●								
6,0	57	6	F11420H00150014	●								
8,0	50	4	F11420H00150051	●								
10,0	57	6	F11420H00150015	●								
12,0	50	4	F11420H00150052	●								
14,0	57	6	F11420H00150016	●								
16,0	50	4	F11420H00150053	●								
18,0	57	6	F11420H00150017	●								
20,0	50	4	F11420H00150054	●								
			57		6	F11420H00150018	●					



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

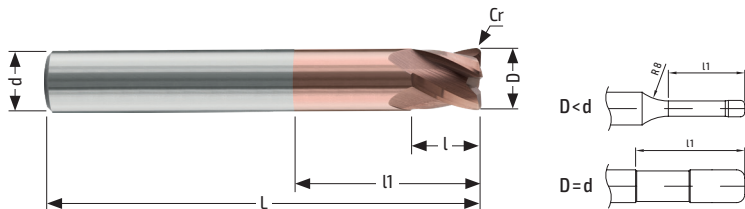


Non ISO  
Not ISO



1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
1,50	0,30	2,00	4,0		50	4	F11420H00150055	●
			6,0		57	6	F11420H00150019	●
			8,0		50	4	F11420H00150056	●
			10,0		57	6	F11420H00150020	●
			12,0		50	4	F11420H00150057	●
			14,0		57	6	F11420H00150021	●
			16,0		50	4	F11420H00150058	●
			18,0		57	6	F11420H00150022	●
			20,0		50	4	F11420H00150059	●
			4,0		57	6	F11420H00150023	●
			6,0		50	4	F11420H00150060	⦿
			8,0		57	6	F11420H00150024	⦿
	10,0	50	4	F11420H00150061	⦿			
	12,0	57	6	F11420H00150025	⦿			
	14,0	50	4	F11420H00150062	⦿			
	16,0	57	6	F11420H00150026	⦿			
	18,0	50	4	F11420H00150063	⦿			
	20,0	57	6	F11420H00150027	⦿			
	4,0	50	4	F11420H00150064	○			
	6,0	57	6	F11420H00150028	○			
	8,0	50	4	F11420H00150065	○			
	10,0	57	6	F11420H00150029	○			
	12,0	50	4	F11420H00150066	○			
	14,0	57	6	F11420H00150030	○			
	16,0	50	4	F11420H00150067	○			
	18,0	57	6	F11420H00150031	○			
	20,0	50	4	F11420H00150068	○			
	4,0	57	6	F11420H00150032	○			
	6,0	50	4	F11420H00150069	○			
	8,0	57	6	F11420H00150033	○			
	10,0	50	4	F11420H00150070	○			
	12,0	57	6	F11420H00150034	○			
	14,0	50	4	F11420H00150071	○			
	16,0	57	6	F11420H00150035	○			
	18,0	50	4	F11420H00150072	○			
	20,0	57	6	F11420H00150036	○			

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1142



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
2,00	0,10	3,00	4,0	0,05	50	4	F11420H00200045	○		
			6,0		57	6	F11420H00200001	○		
			8,0		50	4	F11420H00200046	○		
			10,0		57	6	F11420H00200002	○		
			12,0		50	4	F11420H00200047	○		
			14,0		57	6	F11420H00200003	○		
			16,0		50	4	F11420H00200048	○		
			18,0		57	6	F11420H00200004	○		
			20,0		50	4	F11420H00200049	○		
			22,0		57	6	F11420H00200005	○		
			25,0		50	4	F11420H00200050	○		
			0,20		3,00	4,0	57	6	F11420H00200006	○
						6,0	50	4	F11420H00200051	○
						8,0	57	6	F11420H00200007	○
						10,0	50	4	F11420H00200052	○
						12,0	57	6	F11420H00200008	○
						14,0	50	4	F11420H00200053	○
						16,0	57	6	F11420H00200009	○
	18,0	50				4	F11420H00200054	○		
	20,0	57				6	F11420H00200010	○		
	22,0	50				4	F11420H00200055	○		
	25,0	57				6	F11420H00200011	○		
	4,0	50				4	F11420H00200056	●		
	6,0	57				6	F11420H00200012	●		
	8,0	50				4	F11420H00200057	●		
	10,0	57				6	F11420H00200013	●		
	12,0	50				4	F11420H00200058	●		
	14,0	57				6	F11420H00200014	●		
	16,0	50				4	F11420H00200059	●		
	18,0	57	6		F11420H00200015	●				
	20,0	50	4		F11420H00200060	●				
	22,0	57	6		F11420H00200016	●				
	25,0	50	4		F11420H00200061	●				
	0,30	3,00	4,0		57	6	F11420H00200017	●		
			6,0		50	4	F11420H00200062	●		
			8,0		57	6	F11420H00200018	●		
			10,0		50	4	F11420H00200063	●		
			12,0		57	6	F11420H00200019	●		
			4,0		50	4	F11420H00200064	●		
			6,0		57	6	F11420H00200020	●		
			8,0		50	4	F11420H00200065	●		
			10,0		57	6	F11420H00200021	●		
			12,0		50	4	F11420H00200066	●		
			4,0		57	6	F11420H00200022	●		
			6,0		50	4	F11420H00200067	●		
	8,0	57	6		F11420H00200023	●				
	10,0	50	4		F11420H00200068	●				
	12,0	57	6		F11420H00200024	●				
4,0	50	4	F11420H00200069	●						
6,0	57	6	F11420H00200025	●						
8,0	50	4	F11420H00200070	●						
10,0	57	6	F11420H00200026	●						
12,0	50	4	F11420H00200071	●						
					57	6	F11420H00200027	●		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



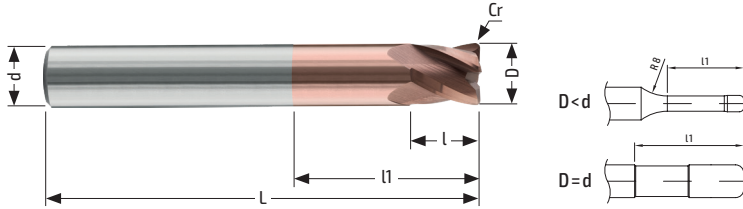
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



	D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
Cr	2,00	0,30	3,00	14,0	0,05	50	4	F11420H00200072	●
				16,0		57	6	F11420H00200028	●
				18,0		50	4	F11420H00200073	●
				20,0		57	6	F11420H00200029	●
				22,0		50	4	F11420H00200074	⊙
				25,0		57	6	F11420H00200030	⊙
				4,0		50	4	F11420H00200075	⊙
				6,0		57	6	F11420H00200031	⊙
				8,0		50	4	F11420H00200076	⊙
				10,0		57	6	F11420H00200032	⊙
				12,0		50	4	F11420H00200077	⊙
				14,0		57	6	F11420H00200033	⊙
	2,50	0,50	3,00	4,0	0,05	50	4	F11420H00200078	●
				6,0		57	6	F11420H00200034	●
				8,0		50	4	F11420H00200079	●
				10,0		57	6	F11420H00200035	●
				12,0		50	4	F11420H00200080	●
				14,0		57	6	F11420H00200036	●
				16,0		50	4	F11420H00200081	●
				18,0		57	6	F11420H00200037	●
				20,0		50	4	F11420H00200082	●
				22,0		57	6	F11420H00200038	●
				25,0		50	4	F11420H00200083	●
				2,50		0,10	3,50	4,0	0,05
6,0	57	6	F11420H00200040		●				
8,0	50	4	F11420H00200085		⊙				
	57	6	F11420H00200041		⊙				
	50	4	F11420H00200086		⊙				
	57	6	F11420H00200042		⊙				
	50	4	F11420H00200087		⊙				
	57	6	F11420H00200043		⊙				
	50	4	F11420H00200088		⊙				
	57	6	F11420H00200044	⊙					
	50	4	F11420H00250056	○					
	57	6	F11420H00250001	○					
	50	4	F11420H00250057	○					
	57	6	F11420H00250002	○					
	50	4	F11420H00250058	○					
	57	6	F11420H00250003	○					

- Disponibilità pronta consegna / Available for prompt delivery
- ⊙ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1142



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
2,50	0,10	3,50	10,0	0,05	50	4	F11420H00250059	○		
			12,0		57	6	F11420H00250004	○		
			14,0		50	4	F11420H00250060	○		
			16,0		57	6	F11420H00250005	○		
			18,0		50	4	F11420H00250061	○		
			20,0		57	6	F11420H00250006	○		
			22,0		50	4	F11420H00250062	○		
			25,0		57	6	F11420H00250007	○		
			0,20		3,50	4,0	50	4	F11420H00250063	○
						6,0	57	6	F11420H00250008	○
						8,0	50	4	F11420H00250064	○
						10,0	57	6	F11420H00250009	○
	12,0	50				4	F11420H00250065	○		
	14,0	57				6	F11420H00250010	○		
	16,0	50				4	F11420H00250066	○		
	18,0	57				6	F11420H00250011	○		
	20,0	50				4	F11420H00250067	●		
	22,0	57				6	F11420H00250012	●		
	25,0	50				4	F11420H00250068	●		
	0,30	3,50				4,0	57	6	F11420H00250013	●
			6,0		50	4	F11420H00250069	●		
			8,0		57	6	F11420H00250014	●		
			10,0		50	4	F11420H00250070	●		
			12,0		57	6	F11420H00250015	●		
			14,0		50	4	F11420H00250071	●		
			16,0		57	6	F11420H00250016	●		
			18,0		50	4	F11420H00250072	●		
			20,0		57	6	F11420H00250017	●		
			22,0		50	4	F11420H00250073	●		
			25,0		57	6	F11420H00250018	●		
			0,30		3,50	4,0	50	4	F11420H00250074	●
	6,0	57				6	F11420H00250019	●		
	8,0	50				4	F11420H00250075	●		
	10,0	57				6	F11420H00250020	●		
	12,0	50				4	F11420H00250076	⊖		
	14,0	57				6	F11420H00250021	⊖		
	16,0	50				4	F11420H00250077	⊖		
	18,0	57				6	F11420H00250022	⊖		
	4,0	50				4	F11420H00250078	●		
	6,0	57				6	F11420H00250023	⊖		
	8,0	50				4	F11420H00250079	●		
	10,0	57				6	F11420H00250024	⊖		
	12,0	50	4		F11420H00250080	●				
	14,0	57	6		F11420H00250025	⊖				
	16,0	50	4		F11420H00250081	●				
	18,0	57	6		F11420H00250026	⊖				
	4,0	50	4		F11420H00250082	●				
	6,0	57	6		F11420H00250027	⊖				
8,0	50	4	F11420H00250083	●						
10,0	57	6	F11420H00250028	⊖						
12,0	50	4	F11420H00250084	●						
14,0	57	6	F11420H00250029	⊖						
16,0	50	4	F11420H00250085	●						
18,0	57	6	F11420H00250030	⊖						



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



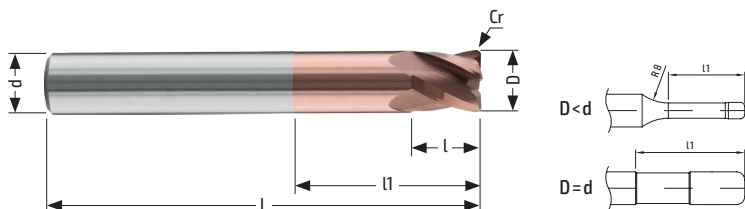
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



	D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
	2,50	0,30	3,50	20,0	0,05	50	4	F11420H00250086	●	
				22,0		57	6	F11420H00250031	○	
				25,0		50	4	F11420H00250087	○	
						57	6	F11420H00250032	○	
						50	4	F11420H00250088	○	
						57	6	F11420H00250033	○	
			0,50	3,50		4,0	50	4	F11420H00250089	●
		6,0				57	6	F11420H00250034	●	
		8,0				50	4	F11420H00250090	●	
		10,0				57	6	F11420H00250035	●	
		12,0				50	4	F11420H00250091	●	
		14,0				57	6	F11420H00250036	●	
			1,00	3,50		16,0	50	4	F11420H00250092	●
		18,0				57	6	F11420H00250037	●	
		20,0				50	4	F11420H00250093	●	
		22,0				57	6	F11420H00250038	●	
		25,0				50	4	F11420H00250094	●	
						57	6	F11420H00250039	●	
						20,0	50	4	F11420H00250095	●
						57	6	F11420H00250040	●	
						50	4	F11420H00250096	●	
						57	6	F11420H00250041	●	
						50	4	F11420H00250097	●	
						57	6	F11420H00250042	●	
				22,0	50	4	F11420H00250098	○		
				57	6	F11420H00250043	○			
				50	4	F11420H00250099	○			
				57	6	F11420H00250044	○			
				50	4	F11420H00250100	○			
				57	6	F11420H00250045	○			
				6,0	50	4	F11420H00250101	○		
				57	6	F11420H00250046	○			
				50	4	F11420H00250102	○			
				57	6	F11420H00250047	○			
				50	4	F11420H00250103	○			
				57	6	F11420H00250048	○			
				8,0	50	4	F11420H00250104	○		
				57	6	F11420H00250049	○			
				50	4	F11420H00250105	○			
				57	6	F11420H00250050	○			
				50	4	F11420H00250105	○			
				57	6	F11420H00250050	○			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



1142



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
2,50	1,00	3,50	16,0	0,05	50	4	F11420H00250106	●
			18,0				F11420H00250051	●
			20,0				F11420H00250107	●
			22,0				F11420H00250052	●
			25,0				F11420H00250108	●
							F11420H00250053	●
							F11420H00250109	●
							F11420H00250054	●
3,00	0,10	3,50	8,0	0,05	57	6	F11420H00250110	●
			10,0				F11420H00300001	○
			12,0				F11420H00300002	○
			14,0				F11420H00300003	○
			16,0				F11420H00300004	○
			18,0				F11420H00300005	○
			20,0				F11420H00300006	○
			22,0				F11420H00300007	○
			25,0				F11420H00300008	○
			28,0				F11420H00300009	○
			30,0				F11420H00300010	○
			32,0				F11420H00300011	○
	35,0	F11420H00300012	○					
	0,20	3,50	8,0		57		F11420H00300013	○
			10,0				F11420H00300014	○
			12,0				F11420H00300015	○
			14,0				F11420H00300016	○
			16,0				F11420H00300017	○
			18,0				F11420H00300018	○
			20,0				F11420H00300019	○
			22,0				F11420H00300020	○
			25,0				F11420H00300021	○
			28,0				F11420H00300022	○
			30,0				F11420H00300023	○
			32,0				F11420H00300024	○
	35,0	F11420H00300025	○					
	0,30	3,50	8,0		57		F11420H00300026	○
			10,0				F11420H00300027	●
			12,0				F11420H00300028	●
			14,0				F11420H00300029	●
			16,0				F11420H00300030	●
			18,0				F11420H00300031	●
			20,0				F11420H00300032	●
			22,0				F11420H00300033	●
			25,0				F11420H00300034	●
			28,0				F11420H00300035	●
			30,0				F11420H00300036	●
			32,0				F11420H00300037	●
	35,0	F11420H00300038	●					
	0,50	3,50	8,0		57		F11420H00300039	●
10,0			F11420H00300040	●				
12,0			F11420H00300041	●				
14,0			F11420H00300042	●				
16,0			F11420H00300043	●				
				F11420H00300044	●			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



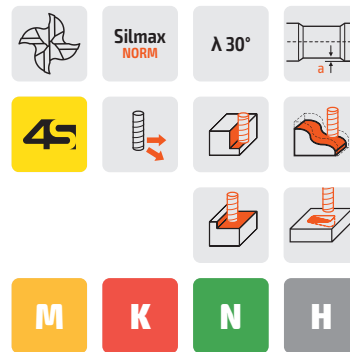
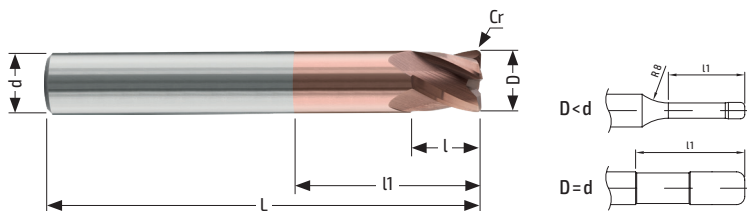
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
3,00	0,50	3,50	18,0	0,05	57	6	F11420H00300045	●	
			20,0				F11420H00300046	●	
			22,0				F11420H00300047	●	
			25,0				F11420H00300048	●	
			28,0				F11420H00300049	●	
			30,0				F11420H00300050	●	
			32,0				F11420H00300051	●	
	35,0	F11420H00300052	●						
	1,00	3,50	8,0				57	F11420H00300053	●
			10,0					F11420H00300054	●
			12,0					F11420H00300055	●
			14,0					F11420H00300056	●
			16,0					F11420H00300057	●
			18,0					F11420H00300058	●
			20,0		F11420H00300059			●	
			22,0		F11420H00300060			●	
			25,0		F11420H00300061			●	
			28,0		F11420H00300062			●	
			30,0		F11420H00300063			●	
			32,0		F11420H00300064			●	
			35,0		F11420H00300065			●	
4,00			0,10	5,00	8,0	57		78	F11420H00400001
	10,0	F11420H00400002			○				
	12,0	F11420H00400003			○				
	14,0	F11420H00400004			○				
	16,0	F11420H00400005			○				
	18,0	F11420H00400006			○				
	20,0	F11420H00400007			○				
	22,0	F11420H00400008			○				
	25,0	F11420H00400009			○				
	28,0	F11420H00400010	○						
	30,0	F11420H00400011	○						
	32,0	F11420H00400012	○						
	35,0	F11420H00400013	○						
	0,20	5,00	8,0	57	F11420H00400014		○		
			10,0		F11420H00400015		○		
			12,0		F11420H00400016		○		
			14,0		F11420H00400017		○		
			16,0		F11420H00400018		○		
18,0			F11420H00400019		○				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.







D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
4,00	0,20	5,00	20,0	0,05	57	6	F11420H00400020	○	
			22,0				F11420H00400021	○	
			25,0				F11420H00400022	○	
			28,0				F11420H00400023	○	
			30,0				F11420H00400024	○	
			32,0				F11420H00400025	○	
	35,0	F11420H00400026	○						
	0,30	5,00	8,0		F11420H00400027		●		
			10,0		F11420H00400028		●		
			12,0		F11420H00400029		●		
			14,0		F11420H00400030		●		
			16,0		F11420H00400031		●		
			18,0		F11420H00400032		●		
			20,0		F11420H00400033		●		
			22,0		F11420H00400034		●		
			25,0		F11420H00400035		●		
			28,0		F11420H00400036		●		
			30,0		F11420H00400037		●		
			32,0		F11420H00400038		●		
			35,0		F11420H00400039		●		
			0,50		5,00		8,0	F11420H00400040	●
							10,0	F11420H00400041	●
	12,0	F11420H00400042					●		
	14,0	F11420H00400043					●		
	16,0	F11420H00400044					●		
	18,0	F11420H00400045					●		
	20,0	F11420H00400046					●		
	22,0	F11420H00400047					●		
	25,0	F11420H00400048					●		
	28,0	F11420H00400049					●		
	30,0	F11420H00400050					●		
	32,0	F11420H00400051					●		
	35,0	F11420H00400052					●		
	1,00	5,00					8,0	F11420H00400053	●
							10,0	F11420H00400054	●
			12,0		F11420H00400055		●		
			14,0		F11420H00400056		●		
			16,0		F11420H00400057		●		
			18,0		F11420H00400058		●		
			20,0		F11420H00400059		●		
			22,0		F11420H00400060		●		
			25,0		F11420H00400061		●		
28,0			F11420H00400062	●					
30,0			F11420H00400063	●					
32,0			F11420H00400064	●					
35,0			F11420H00400065	●					
5,00			0,10	6,00	10,0	57	F11420H00500001	○	
					15,0		F11420H00500002	○	
	20,0	F11420H00500003			○				
	25,0	F11420H00500004			○				
	30,0	F11420H00500005			○				
	32,0	F11420H00500006			○				
	35,0	F11420H00500007			○				
	40,0	F11420H00500008			○				
	45,0	F11420H00500009			○				



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



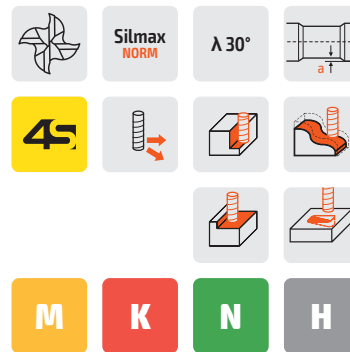
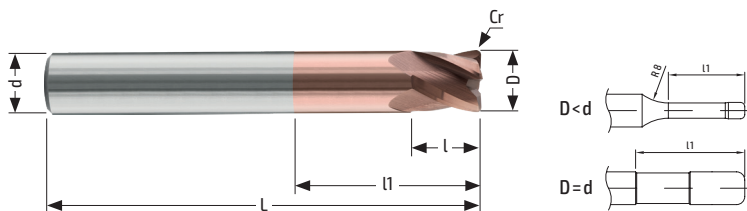
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
5,00	0,20	6,00	10,0	0,05	57	6	F11420H00500010	○	
			15,0				F11420H00500011	○	
			20,0				F11420H00500012	○	
			25,0				F11420H00500013	○	
			30,0				F11420H00500014	○	
			32,0				F11420H00500015	○	
			35,0				F11420H00500016	○	
			40,0				F11420H00500017	○	
			45,0				F11420H00500018	○	
	0,30	6,00	10,0	0,05	57	6	F11420H00500019	●	
			15,0				F11420H00500020	●	
			20,0				F11420H00500021	●	
			25,0				F11420H00500022	●	
			30,0				F11420H00500023	●	
			32,0				F11420H00500024	●	
			35,0				F11420H00500025	●	
			40,0				F11420H00500026	●	
			45,0				F11420H00500027	●	
	0,50	6,00	10,0	0,05	57	6	F11420H00500028	●	
			15,0				F11420H00500029	●	
			20,0				F11420H00500030	●	
			25,0				F11420H00500031	●	
			30,0				F11420H00500032	●	
			32,0				F11420H00500033	●	
			35,0				F11420H00500034	●	
			40,0				F11420H00500035	●	
			45,0				F11420H00500036	●	
	1,00	6,00	10,0	0,05	57	6	F11420H00500037	●	
			15,0				F11420H00500038	●	
			20,0				F11420H00500039	●	
			25,0				F11420H00500040	●	
			30,0				F11420H00500041	●	
			32,0				F11420H00500042	●	
			35,0				F11420H00500043	●	
			40,0				F11420H00500044	●	
			45,0				F11420H00500045	●	
	6,00	0,10	7,00	15,0	0,15	57	6	F11420H00600001	○
				20,0		78		F11420H00600002	○
								F11420H00600003	○

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
6,00	0,10	7,00	25,0	0,15	57	6	F11420H00600004	○
			30,0		78		F11420H00600005	○
			35,0		105		F11420H00600006	○
			40,0		78		F11420H00600007	○
			45,0		105		F11420H00600008	○
			50,0		78		F11420H00600009	○
			60,0		105		F11420H00600010	○
			15,0		78		F11420H00600011	○
			20,0		105		F11420H00600012	○
			25,0		78		F11420H00600013	○
			30,0		105		F11420H00600014	○
			35,0		57		F11420H00600015	○
	40,0	78	F11420H00600016		○			
	45,0	78	F11420H00600017		○			
	50,0	57	F11420H00600018		○			
	60,0	78	F11420H00600019		○			
	15,0	78	F11420H00600020		○			
	20,0	105	F11420H00600021		○			
	25,0	78	F11420H00600022		○			
	30,0	105	F11420H00600023		○			
	35,0	78	F11420H00600024		○			
	40,0	105	F11420H00600025		○			
	45,0	78	F11420H00600026		○			
	50,0	105	F11420H00600027		○			
	60,0	78	F11420H00600028		○			
	15,0	105	F11420H00600029		○			
	20,0	57	F11420H00600030		○			
	25,0	78	F11420H00600031		●			
	30,0	78	F11420H00600032		●			
	35,0	57	F11420H00600033		●			
	40,0	78	F11420H00600034		●			
	45,0	78	F11420H00600035		●			
	50,0	105	F11420H00600036		●			
	60,0	78	F11420H00600037		●			
	15,0	105	F11420H00600038		●			
	20,0	78	F11420H00600039		●			
	25,0	105	F11420H00600040		●			
	30,0	78	F11420H00600041		●			
	35,0	78	F11420H00600042		●			
	40,0	105	F11420H00600043		●			
	15,0	105	F11420H00600044		●			
	20,0	57	F11420H00600045		●			
	25,0	78	F11420H00600046		●			
	30,0	78	F11420H00600047		●			
	35,0	57	F11420H00600048		●			
	40,0	78	F11420H00600049		●			
	15,0	105	F11420H00600050		●			
	20,0	78	F11420H00600051		●			
25,0	105	F11420H00600052	●					
30,0	78	F11420H00600053	●					
35,0	105	F11420H00600054	●					
40,0	78	F11420H00600055	●					
					105	F11420H00600056	●	



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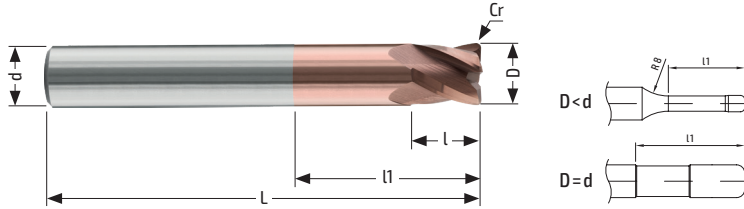
Acciai Temprati  
Hardened Steels



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1142

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 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock			
6,00	0,50	7,00	45,0	0,15	78	6	F11420H00600057	●			
			50,0		105		F11420H00600058	●			
			60,0		F11420H00600059		●				
			1,00		15,0		57	F11420H00600060	●		
					20,0		78	F11420H00600061	●		
					25,0		57	F11420H00600062	●		
	30,0	78			F11420H00600063		●				
	35,0	78			F11420H00600064		●				
	40,0	105			F11420H00600065		●				
	45,0	105			F11420H00600066		●				
	50,0	78			F11420H00600067		●				
	60,0	105			F11420H00600068		●				
	1,50	15,0			78		F11420H00600069	●			
		20,0			105		F11420H00600070	●			
		25,0			78		F11420H00600071	●			
		30,0			105		F11420H00600072	●			
		35,0			78		F11420H00600073	●			
		40,0			105		F11420H00600074	●			
		45,0			78		F11420H00600075	●			
		50,0			105		F11420H00600076	●			
		60,0			78		F11420H00600077	●			
		8,00	0,20		9,00		20,0	57	63	F11420H00600078	●
							25,0	78	78	F11420H00600079	●
							30,0	57	63	F11420H00600080	●
	35,0						78	78	F11420H00600081	●	
	40,0						105	105	F11420H00600082	●	
	45,0						78	78	F11420H00600083	●	
	50,0						105	105	F11420H00600084	●	
	60,0						78	78	F11420H00600085	●	
	78						105	105	F11420H00600086	●	
105	78			78		F11420H00600087	●				
105	105			105		F11420H00600088	●				
105	78			78		F11420H00600089	●				
105	105	105	F11420H00600090	●							
8,00	0,20	9,00	20,0	63	63	F11420H00800001	○				
			25,0	78	78	F11420H00800002	○				
			30,0	63	63	F11420H00800003	○				
			35,0	78	78	F11420H00800004	○				
			40,0	105	105	F11420H00800005	○				
					105	105	F11420H00800006	○			

- Disponibilità pronta consegna / Available for prompt delivery
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1142



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock				
8,00	0,20	9,00	35,0	0,15	78	8	F11420H00800007	○				
			40,0		105		F11420H00800008	○				
			45,0		78		F11420H00800009	○				
			50,0		105		F11420H00800010	○				
			60,0		78		F11420H00800011	○				
			20,0		105		F11420H00800012	○				
	0,30	9,00	25,0		63		F11420H00800013	○				
			30,0		78		F11420H00800014	○				
			35,0		63		F11420H00800015	●				
			40,0		78		F11420H00800016	●				
			45,0		63		F11420H00800017	●				
			50,0		78		F11420H00800018	●				
			60,0		78		F11420H00800019	●				
			20,0		105		F11420H00800020	●				
			25,0		78		F11420H00800021	●				
			30,0		105		F11420H00800022	●				
			35,0		78		F11420H00800023	●				
			0,50		9,00		40,0	105	F11420H00800024	●		
	45,0	78					F11420H00800025	●				
	50,0	105					F11420H00800026	●				
	60,0	78					F11420H00800027	●				
	20,0	105					F11420H00800028	●				
	25,0	63					F11420H00800029	●				
	30,0	78					F11420H00800030	●				
	35,0	63					F11420H00800031	●				
	40,0	78					F11420H00800032	●				
	45,0	105					F11420H00800033	●				
	1,00	9,00					50,0	78	F11420H00800034	●		
							60,0	105	F11420H00800035	●		
			20,0		78		F11420H00800036	●				
			25,0		105		F11420H00800037	●				
			30,0		78		F11420H00800038	●				
			35,0		105		F11420H00800039	●				
			40,0		78		F11420H00800040	●				
			45,0		105		F11420H00800041	●				
			50,0		63		F11420H00800042	●				
			60,0		78		F11420H00800043	●				
			1,50		9,00		20,0	63	F11420H00800044	●		
							25,0	78	F11420H00800045	●		
	30,0	63					F11420H00800046	●				
	35,0	78					F11420H00800047	●				
	40,0	105					F11420H00800048	●				
	45,0	78					F11420H00800049	●				
	50,0	105					F11420H00800050	●				
	60,0	78					F11420H00800051	●				
	20,0	105					F11420H00800052	●				
	25,0	78					F11420H00800053	●				
									63	105	F11420H00800054	●
									78	78	F11420H00800055	●
			63		105				F11420H00800056	●		
			78		78				F11420H00800057	●		
									F11420H00800058	●		
						F11420H00800059	●					
						F11420H00800060	●					



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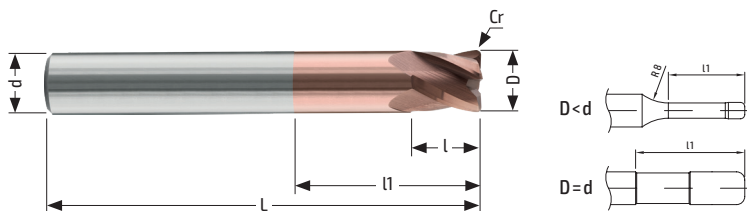
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# 1142

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D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock				
8,00	1,50	9,00	30,0	0,15	78	8	F11420H00800061	●				
			35,0		105		F11420H00800062	●				
			40,0		78		F11420H00800063	●				
			45,0		105		F11420H00800064	●				
			50,0		78		F11420H00800065	●				
			60,0		105		F11420H00800066	●				
			2,00		9,00		20,0	78	F11420H00800067	●		
							25,0	105	F11420H00800068	●		
							30,0	78	F11420H00800069	●		
							35,0	105	F11420H00800070	●		
							40,0	78	F11420H00800071	●		
							45,0	105	F11420H00800072	●		
	50,0	78					F11420H00800073	●				
	60,0	105					F11420H00800074	●				
	10,00	0,20					11,00	30,0	63	10	F11420H00800075	●
								35,0	78		F11420H00800076	●
								40,0	63		F11420H00800077	●
								45,0	78		F11420H00800078	●
			50,0		105			F11420H00800079	●			
			60,0		78			F11420H00800080	●			
			78		105			F11420H00800081	●			
			105		78			F11420H00800082	●			
			120		105			F11420H00800083	●			
			78		78			F11420H01000001	○			
105			105	F11420H01000002	○							
120			120	F11420H01000003	○							
78			78	F11420H01000004	○							
105			105	F11420H01000005	○							
120			120	F11420H01000006	○							
78			78	F11420H01000007	○							
105			105	F11420H01000008	○							
120			120	F11420H01000009	○							
78			78	F11420H01000010	○							
105			105	F11420H01000011	○							
120			120	F11420H01000012	○							
105			105	F11420H01000013	○							
120			120	F11420H01000014	○							
105			105	F11420H01000015	○							
120	120	F11420H01000016	○									

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D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
10,00	0,20	11,00	65,0	0,15	105	10	F11420H01000017	○		
			70,0		120		F11420H01000018	○		
			75,0		105		F11420H01000019	○		
			80,0		120		F11420H01000020	○		
			85,0				F11420H01000021	○		
			0,30				11,00	30,0	78	F11420H01000022
	35,0	105						F11420H01000023	○	
	40,0	120						F11420H01000024	●	
	45,0	78			F11420H01000025			●		
	50,0	105			F11420H01000026			●		
	60,0	120			F11420H01000027			●		
	65,0	78			F11420H01000028			●		
	70,0	105			F11420H01000029			●		
	75,0	120			F11420H01000030			●		
	80,0	78			F11420H01000031			●		
	85,0	105			F11420H01000032			●		
	0,50	11,00			30,0			120	F11420H01000033	●
					35,0			78	F11420H01000034	●
					40,0			105	F11420H01000035	●
					45,0			120	F11420H01000036	●
					50,0			78	F11420H01000037	●
					60,0			105	F11420H01000038	●
					65,0			120	F11420H01000039	●
			70,0		78		F11420H01000040	●		
			75,0		105		F11420H01000041	●		
			80,0		120		F11420H01000042	●		
			85,0		78		F11420H01000043	●		
			30,0		105		F11420H01000044	●		
			35,0		120		F11420H01000045	●		
			40,0		78		F11420H01000046	●		
			45,0		105		F11420H01000047	●		
			50,0		120		F11420H01000048	●		
			60,0		78		F11420H01000049	●		
			65,0		105		F11420H01000050	●		
			70,0		120		F11420H01000051	●		
			75,0		78		F11420H01000052	●		
			80,0		105		F11420H01000053	●		
			85,0		120		F11420H01000054	●		
					78		F11420H01000055	●		
					105		F11420H01000056	●		
		120	F11420H01000057		●					
		78	F11420H01000058		●					
		105	F11420H01000059		●					
		120	F11420H01000060		●					
		78	F11420H01000061		●					
		105	F11420H01000062		●					
		120	F11420H01000063		●					
		78	F11420H01000064		●					
		105	F11420H01000065		●					
		120	F11420H01000066		●					
		78	F11420H01000067		●					
		105	F11420H01000068		●					
		120	F11420H01000069		●					



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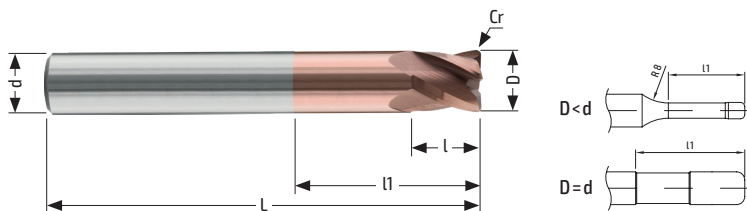


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D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
10,00	1,00	11,00	30,0	0,15	78	10	F11420H01000070	●
					105		F11420H01000071	○
					120		F11420H01000072	○
			35,0		78		F11420H01000073	●
					105		F11420H01000074	○
					120		F11420H01000075	○
			40,0		78		F11420H01000076	●
					105		F11420H01000077	●
					120		F11420H01000078	○
			45,0		78		F11420H01000079	●
					105		F11420H01000080	●
					120		F11420H01000081	○
	50,0	105	F11420H01000082	●				
		120	F11420H01000083	○				
		105	F11420H01000084	●				
	60,0	120	F11420H01000085	○				
		105	F11420H01000086	○				
		120	F11420H01000087	○				
	65,0	105	F11420H01000088	○				
		120	F11420H01000089	○				
		105	F11420H01000090	○				
	70,0	120	F11420H01000091	○				
		78	F11420H01000092	○				
		105	F11420H01000093	○				
75,0	1,50	11,00	30,0	78	F11420H01000094	○		
				105	F11420H01000095	○		
				120	F11420H01000096	○		
35,0			78	F11420H01000097	○			
			105	F11420H01000098	○			
			120	F11420H01000099	○			
40,0			78	F11420H01000100	○			
			105	F11420H01000101	○			
			120	F11420H01000102	○			
45,0			78	F11420H01000103	○			
			105	F11420H01000104	○			
			120	F11420H01000105	○			
50,0	105	F11420H01000106	○					
	120	F11420H01000107	○					
	105	F11420H01000108	○					
60,0	120							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
10,00	1,50	11,00	65,0	0,15	105	10	F11420H01000109	●		
			70,0		120		F11420H01000110	●		
			75,0		105		F11420H01000111	●		
			80,0		120		F11420H01000112	●		
			85,0				F11420H01000113	●		
			2,00				11,00	30,0	78	F11420H01000114
	35,0	105						F11420H01000115	●	
	40,0	120						F11420H01000116	●	
		78						F11420H01000117	●	
		105			F11420H01000118			●		
	2,50	11,00			45,0			120	F11420H01000119	●
								105	F11420H01000120	●
								120	F11420H01000121	●
					50,0			78	F11420H01000122	●
								105	F11420H01000123	●
								120	F11420H01000124	●
					55,0			11,00	55,0	78
			105				F11420H01000126			●
			120				F11420H01000127			●
			60,0				105		F11420H01000128	●
							120		F11420H01000129	●
							105		F11420H01000130	●
	65,0	120	F11420H01000131				●			
		105	F11420H01000132				●			
		120	F11420H01000133				●			
	70,0	11,00	70,0				105		F11420H01000134	●
							120		F11420H01000135	●
									F11420H01000136	●
			75,0		78			F11420H01000137	●	
					105		F11420H01000138	●		
					120		F11420H01000139	●		
			75,0		11,00		75,0	105	F11420H01000140	●
								120	F11420H01000141	●
								78	F11420H01000142	●
							80,0	105	F11420H01000143	●
								120	F11420H01000144	●
								78	F11420H01000145	●
	80,0	11,00					80,0	105	F11420H01000146	●
								120	F11420H01000147	●
								78	F11420H01000148	●
							85,0	105	F11420H01000149	●
								120	F11420H01000150	●
								105	F11420H01000151	●
			85,0		11,00		85,0	120	F11420H01000152	●
								105	F11420H01000153	●
								120	F11420H01000154	●
							90,0	105	F11420H01000155	●
								120	F11420H01000156	●
105				F11420H01000157		●				
95,0	120	F11420H01000158		●						
	105	F11420H01000159		●						
	120	F11420H01000160		●						
100,0	105	F11420H01000161		●						



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



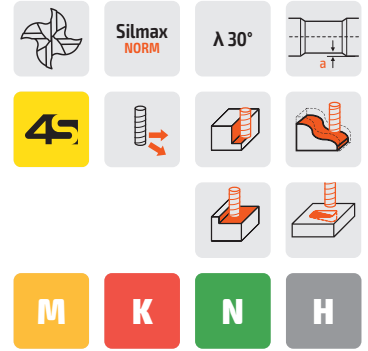
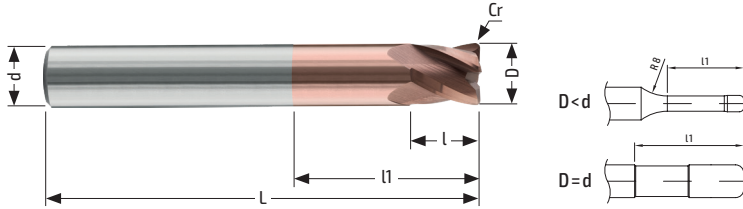
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
12,00	0,20	12,00	30,0	0,20	83	12	F11420H01200001	○
					105		F11420H01200002	○
			35,0		83		F11420H01200003	○
					105		F11420H01200004	○
			40,0		83		F11420H01200005	○
					105		F11420H01200006	○
					120		F11420H01200007	○
					150		F11420H01200008	○
			45,0		83		F11420H01200009	○
					105		F11420H01200010	○
	120	F11420H01200011		○				
	150	F11420H01200012		○				
	50,0	105	F11420H01200013	○				
		120	F11420H01200014	○				
		150	F11420H01200015	○				
		105	F11420H01200016	○				
		120	F11420H01200017	○				
		150	F11420H01200018	○				
	60,0	0,20	12,00	0,20	105		F11420H01200019	○
					120		F11420H01200020	○
150					F11420H01200021	○		
105					F11420H01200022	○		
120					F11420H01200023	○		
150					F11420H01200024	○		
120					F11420H01200025	○		
150					F11420H01200026	○		
120					F11420H01200027	○		
150					F11420H01200028	○		
80,0	0,20	12,00	0,20	120	F11420H01200029	○		
				150	F11420H01200030	○		
				150	F11420H01200031	○		
				150	F11420H01200032	○		
				83	F11420H01200033	●		
				105	F11420H01200034	●		
				83	F11420H01200035	●		
				105	F11420H01200036	●		
40,0	0,30	12,00	0,30	83	F11420H01200037	●		
				105	F11420H01200038	●		
				120	F11420H01200039	●		
				150	F11420H01200040	●		

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
12,00	0,30	12,00	45,0	0,20	83	12	F11420H01200041	●
					105		F11420H01200042	●
					120		F11420H01200043	●
			150		F11420H01200044		●	
			105		F11420H01200045		●	
			120		F11420H01200046		●	
			150		F11420H01200047		●	
			105		F11420H01200048		●	
			120		F11420H01200049		●	
			150		F11420H01200050		●	
			105		F11420H01200051		●	
			120		F11420H01200052		●	
			150		F11420H01200053		●	
			105		F11420H01200054		●	
			120		F11420H01200055		●	
			150		F11420H01200056		●	
			120		F11420H01200057		●	
			150		F11420H01200058		●	
	120	F11420H01200059	●					
	150	F11420H01200060	●					
	120	F11420H01200061	●					
	0,50	12,00	12,00	30,0	83	F11420H01200062	●	
				35,0	105	F11420H01200063	●	
				40,0	83	F11420H01200064	●	
					105	F11420H01200065	●	
					120	F11420H01200066	●	
				45,0	83	F11420H01200067	●	
					105	F11420H01200068	●	
					120	F11420H01200069	●	
				50,0	83	F11420H01200070	●	
					105	F11420H01200071	●	
					120	F11420H01200072	●	
				60,0	150	F11420H01200073	●	
					83	F11420H01200074	●	
					105	F11420H01200075	●	
				65,0	120	F11420H01200076	●	
					150	F11420H01200077	●	
	105	F11420H01200078	●					
	70,0	120	F11420H01200079	●				
		150	F11420H01200080	●				
		105	F11420H01200081	●				
	75,0	120	F11420H01200082	●				
		150	F11420H01200083	●				
		105	F11420H01200084	●				
80,0	120	F11420H01200085	●					
	150	F11420H01200086	●					
	105	F11420H01200087	●					
85,0	120	F11420H01200088	●					
	150	F11420H01200089	●					
	105	F11420H01200090	●					
90,0	120	F11420H01200091	●					
	150	F11420H01200092	●					
	105	F11420H01200093	●					
100,0	120	F11420H01200094	●					
	150	F11420H01200095	●					
							F11420H01200096	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



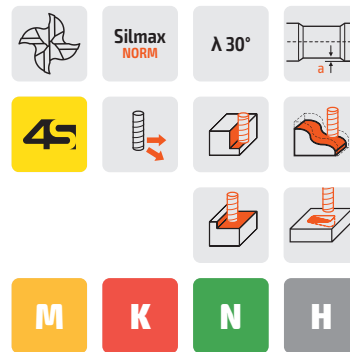
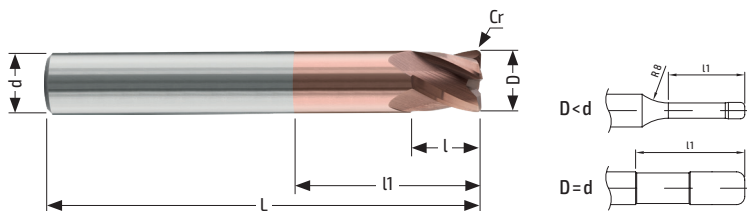
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
12,00	1,00	12,00	30,0	0,20	83	12	F11420H01200097	●
					105		F11420H01200098	●
					83		F11420H01200099	●
					105		F11420H01200100	●
					83		F11420H01200101	●
					105		F11420H01200102	●
					120		F11420H01200103	●
					150		F11420H01200104	●
					83		F11420H01200105	●
					105		F11420H01200106	●
					120		F11420H01200107	●
					150		F11420H01200108	●
					105		F11420H01200109	●
					120		F11420H01200110	●
					150		F11420H01200111	●
					105		F11420H01200112	●
					120		F11420H01200113	●
					150		F11420H01200114	●
					105		F11420H01200115	●
					120		F11420H01200116	●
150	F11420H01200117	●						
105	F11420H01200118	●						
120	F11420H01200119	●						
150	F11420H01200120	●						
120	F11420H01200121	●						
150	F11420H01200122	●						
120	F11420H01200123	●						
150	F11420H01200124	●						
120	F11420H01200125	●						
150	F11420H01200126	●						
150	F11420H01200127	●						
150	F11420H01200128	●						
83	F11420H01200129	○						
105	F11420H01200130	○						
83	F11420H01200131	○						
105	F11420H01200132	○						
83	F11420H01200133	○						
105	F11420H01200134	○						
120	F11420H01200135	○						
150	F11420H01200136	○						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
12,00	1,50	12,00	45,0	0,20	83	12	F11420H01200137	○	
					105		F11420H01200138	○	
					120		F11420H01200139	○	
					150		F11420H01200140	○	
			50,0		105		F11420H01200141	○	
					120		F11420H01200142	○	
					150		F11420H01200143	○	
					105		F11420H01200144	○	
			60,0		120		F11420H01200145	○	
					150		F11420H01200146	○	
					105		F11420H01200147	○	
					120		F11420H01200148	○	
			65,0		150		F11420H01200149	○	
					105		F11420H01200150	○	
					120		F11420H01200151	○	
					150		F11420H01200152	○	
			70,0		120		F11420H01200153	○	
					150		F11420H01200154	○	
					120		F11420H01200155	○	
					150		F11420H01200156	○	
			75,0		120		F11420H01200157	○	
					150		F11420H01200158	○	
					150		F11420H01200159	○	
					120		F11420H01200160	○	
	80,0	2,00	12,00		30,0		83	F11420H01200161	●
							105	F11420H01200162	●
							83	F11420H01200163	●
							105	F11420H01200164	●
	40,0				83		F11420H01200165	●	
					105		F11420H01200166	●	
					120		F11420H01200167	●	
					150		F11420H01200168	●	
	45,0				83		F11420H01200169	●	
					105		F11420H01200170	●	
					120		F11420H01200171	●	
					150		F11420H01200172	●	
	50,0				105		F11420H01200173	●	
					120		F11420H01200174	●	
					150		F11420H01200175	●	
					105		F11420H01200176	●	
	60,0				120		F11420H01200177	●	
					150		F11420H01200178	●	
					105		F11420H01200179	●	
					120		F11420H01200180	●	
	65,0				150		F11420H01200181	●	
					105		F11420H01200182	●	
					120		F11420H01200183	●	
					150		F11420H01200184	●	
70,0	120	F11420H01200185	●						
	150	F11420H01200186	●						
	120	F11420H01200187	●						
	150	F11420H01200188	●						
75,0	120	F11420H01200189	●						
	150	F11420H01200190	●						
	120	F11420H01200191	●						
	150	F11420H01200192	●						
80,0	100,0	100,0	83						
			105						
			120						
			150						



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



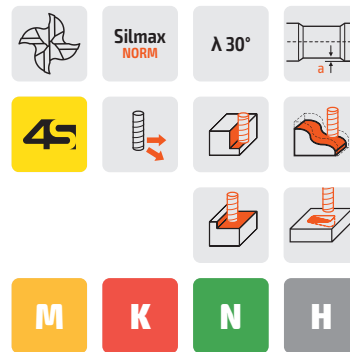
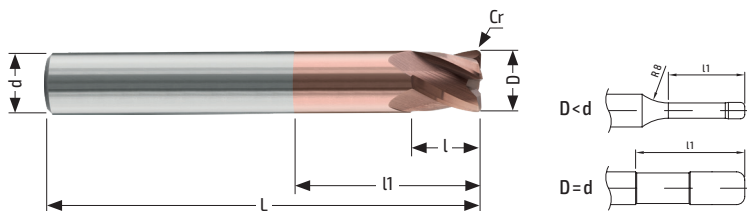
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	L	l1	a	L	d h5	Balinit® Tisaflex	Stock
12,00	2,50	12,00	30,0	0,20	83	12	F11420H01200193	●
					105		F11420H01200194	●
			35,0		83		F11420H01200195	●
					105		F11420H01200196	●
			40,0		83		F11420H01200197	●
					105		F11420H01200198	●
					120		F11420H01200199	●
					150		F11420H01200200	●
					83		F11420H01200201	●
					105		F11420H01200202	●
	45,0	120	F11420H01200203	●				
		150	F11420H01200204	●				
		105	F11420H01200205	●				
		120	F11420H01200206	●				
	50,0	150	F11420H01200207	●				
		105	F11420H01200208	●				
		120	F11420H01200209	●				
		150	F11420H01200210	●				
		105	F11420H01200211	●				
		120	F11420H01200212	●				
150		F11420H01200213	●					
105		F11420H01200214	●					
120		F11420H01200215	●					
150		F11420H01200216	●					
60,0	3,00	12,00	30,0	83	F11420H01200217	●		
				105	F11420H01200218	●		
			35,0	83	F11420H01200219	●		
				105	F11420H01200220	●		
			40,0	83	F11420H01200221	●		
				105	F11420H01200222	●		
				120	F11420H01200223	●		
				150	F11420H01200224	●		
				83	F11420H01200225	●		
				105	F11420H01200226	●		
70,0	83	F11420H01200227	●					
	105	F11420H01200228	●					
	83	F11420H01200229	●					
	105	F11420H01200230	●					
	120	F11420H01200231	●					
	150	F11420H01200232	●					
	75,0	83	F11420H01200233	●				
		105	F11420H01200234	●				
80,0	83	F11420H01200235	●					
	105	F11420H01200236	●					
85,0	83	F11420H01200237	●					
	105	F11420H01200238	●					
90,0	83	F11420H01200239	●					
	105	F11420H01200240	●					
100,0	83	F11420H01200241	●					
	105	F11420H01200242	●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
12,00	3,00	12,00	45,0	0,20	83	12	F11420H01200233	●
					105		F11420H01200234	●
					120		F11420H01200235	●
					150		F11420H01200236	●
			105		F11420H01200237		●	
			120		F11420H01200238		●	
			150		F11420H01200239		●	
			105		F11420H01200240		●	
			120		F11420H01200241		●	
			150		F11420H01200242		●	
			105		F11420H01200243		●	
			120		F11420H01200244		●	
			150		F11420H01200245		●	
			105		F11420H01200246		●	
			120		F11420H01200247		●	
			150		F11420H01200248		●	
			120		F11420H01200249		●	
			150		F11420H01200250		●	
			120		F11420H01200251		●	
			150		F11420H01200252		●	
	120	F11420H01200253	●					
	150	F11420H01200254	●					
	150	F11420H01200255	●					
	150	F11420H01200256	●					
	83	F11420H01200257	○					
	105	F11420H01200258	○					
	83	F11420H01200259	○					
	105	F11420H01200260	○					
	83	F11420H01200261	○					
	105	F11420H01200262	○					
	120	F11420H01200263	○					
	150	F11420H01200264	○					
	83	F11420H01200265	○					
	105	F11420H01200266	○					
	120	F11420H01200267	○					
	150	F11420H01200268	○					
	105	F11420H01200269	○					
	120	F11420H01200270	○					
	150	F11420H01200271	○					
	105	F11420H01200272	○					
	120	F11420H01200273	○					
	150	F11420H01200274	○					
	105	F11420H01200275	○					
	120	F11420H01200276	○					
150	F11420H01200277	○						
105	F11420H01200278	○						
120	F11420H01200279	○						
150	F11420H01200280	○						
120	F11420H01200281	○						
150	F11420H01200282	○						
120	F11420H01200283	○						
150	F11420H01200284	○						
120	F11420H01200285	○						
150	F11420H01200286	○						
150	F11420H01200287	○						
150	F11420H01200288	○						
12,00	3,50	12,00	30,0	83	F11420H01200257	○		
			35,0	105	F11420H01200258	○		
			40,0	83	F11420H01200259	○		
			45,0	105	F11420H01200260	○		
			50,0	120	F11420H01200261	○		
			55,0	150	F11420H01200262	○		
			60,0	83	F11420H01200263	○		
			65,0	105	F11420H01200264	○		
			70,0	120	F11420H01200265	○		
			75,0	150	F11420H01200266	○		
			80,0	105	F11420H01200267	○		
			85,0	120	F11420H01200268	○		
			90,0	150	F11420H01200269	○		
			95,0	105	F11420H01200270	○		
			100,0	120	F11420H01200271	○		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

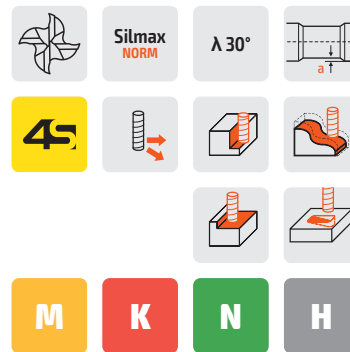
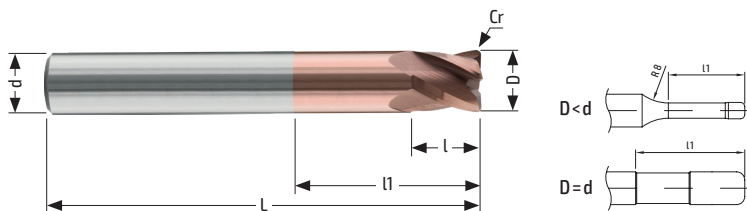


Non ISO  
Not ISO



# 1142

Fresa 4 taglienti torica per semifinitura e finitura  
 4 flute end mill for semi-finishing and finishing  
 4-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 4 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock	
16,00	0,50	16,00	50,0	0,20	130	16	F11420H01600001	●	
			55,0				F11420H01600002	●	
			60,0				F11420H01600003	●	
			65,0				F11420H01600004	●	
			70,0				F11420H01600005	●	
			75,0				F11420H01600006	●	
			80,0				F11420H01600007	●	
			85,0				F11420H01600008	●	
			90,0				F11420H01600009	●	
			100,0				F11420H01600010	●	
	1,00	16,00	50,0	0,20	130	16	F11420H01600011	●	
			55,0				F11420H01600012	●	
			60,0				F11420H01600013	●	
			65,0				F11420H01600014	●	
			70,0				F11420H01600015	●	
			75,0				F11420H01600016	●	
			80,0				F11420H01600017	●	
			85,0				F11420H01600018	●	
			90,0				F11420H01600019	●	
			100,0				F11420H01600020	●	
	1,50	16,00	50,0	0,20	130	16	F11420H01600021	○	
			55,0				F11420H01600022	○	
			60,0				F11420H01600023	○	
			65,0				F11420H01600024	○	
			70,0				F11420H01600025	○	
			75,0				F11420H01600026	○	
			80,0				F11420H01600027	○	
			85,0				F11420H01600028	○	
			90,0				F11420H01600029	○	
			100,0				F11420H01600030	○	
	2,00	16,00	50,0	0,20	130	16	F11420H01600031	●	
			55,0				F11420H01600041	●	
			60,0				F11420H01600032	●	
			65,0				F11420H01600033	●	
			70,0				F11420H01600034	●	
			75,0				F11420H01600035	●	
			80,0				F11420H01600036	●	
			85,0				F11420H01600037	●	
			90,0				F11420H01600038	●	
			100,0				F11420H01600039	●	
						150		F11420H01600040	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock			
16,00	2,50	16,00	55,0	0,20	130	16	F11420H01600042	○			
			60,0				F11420H01600043	○			
			65,0				F11420H01600044	○			
			70,0				F11420H01600045	○			
			75,0				F11420H01600046	○			
			80,0				F11420H01600047	○			
			85,0				F11420H01600048	○			
			90,0				F11420H01600049	○			
			100,0				F11420H01600050	○			
			3,00				16,00	50,0	130	F11420H01600051	●
								55,0		F11420H01600052	●
								60,0		F11420H01600053	●
	65,0	F11420H01600054			●						
	70,0	F11420H01600055			●						
	75,0	F11420H01600056			●						
	80,0	F11420H01600057			●						
	85,0	F11420H01600058			●						
	90,0	F11420H01600059			●						
	100,0	F11420H01600060			●						
	3,50	16,00			50,0			130		F11420H01600061	●
					55,0					F11420H01600062	●
			60,0		F11420H01600063		●				
			65,0		F11420H01600064		●				
			70,0		F11420H01600065		●				
			75,0		F11420H01600066		●				
			80,0		F11420H01600067		●				
			85,0		F11420H01600068		●				
			90,0		F11420H01600069		●				
			100,0		F11420H01600070		●				
			4,00		16,00		50,0		130	F11420H01600071	○
							55,0			F11420H01600072	○
	60,0	F11420H01600073					○				
	65,0	F11420H01600074					○				
	70,0	F11420H01600075					○				
	75,0	F11420H01600076					○				
	80,0	F11420H01600077					○				
	85,0	F11420H01600078					○				
	90,0	F11420H01600079					○				
	100,0	F11420H01600080					○				



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



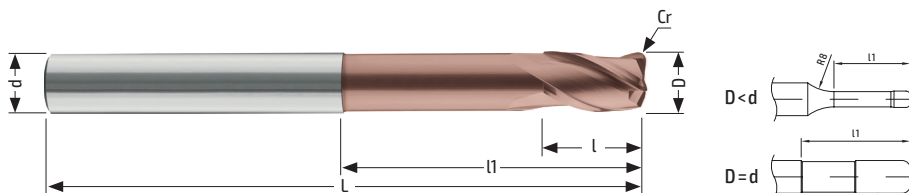
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1141

Fresa 3 taglienti torica per semifinitura e finitura  
 3 flute end mill for semi-finishing and finishing  
 3-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 3 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
4,00	0,10	7,00	20,0	0,10	78	6	F11410H00400001	○
			22,0				F11410H00400002	○
			25,0				F11410H00400003	○
			28,0				F11410H00400004	○
			30,0				F11410H00400005	○
			32,0				F11410H00400006	○
			35,0				F11410H00400007	○
			40,0				F11410H00400008	○
			45,0				F11410H00400009	○
			20,0				F11410H00400010	○
	0,20	7,00	22,0				F11410H00400011	○
			25,0				F11410H00400012	○
			28,0				F11410H00400013	○
			30,0				F11410H00400014	○
			32,0				F11410H00400015	○
			35,0				F11410H00400016	○
			40,0				F11410H00400017	○
			45,0				F11410H00400018	○
			20,0				F11410H00400019	●
			0,30				7,00	22,0
	25,0	F11410H00400021						●
	28,0	F11410H00400022						●
	30,0	F11410H00400023						●
	32,0	F11410H00400024						●
	35,0	F11410H00400025						●
	40,0	F11410H00400026						●
	45,0	F11410H00400027						●
	20,0	F11410H00400028						●
	0,50	7,00						22,0
			25,0				F11410H00400030	●
			28,0				F11410H00400031	●
			30,0				F11410H00400032	●
			32,0				F11410H00400033	●
			35,0				F11410H00400034	●
			40,0				F11410H00400035	●
			45,0				F11410H00400036	●
			20,0				F11410H00400037	●
			1,00				7,00	22,0
	25,0	F11410H00400039						●
	28,0	F11410H00400040						●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
4,00	1,00	7,00	30,0	0,10	78	6	F11410H00400041	●		
			32,0				F11410H00400042	●		
			35,0				F11410H00400043	●		
			40,0				F11410H00400044	●		
			45,0				F11410H00400045	●		
6,00	0,10	10,00	30,0	0,15	105	6	F11410H00600001	○		
			32,0				F11410H00600002	○		
			35,0				F11410H00600003	○		
			40,0				F11410H00600004	○		
			45,0				F11410H00600005	○		
	0,20	10,00	10,00		50,0		78	105	F11410H00600006	○
					60,0				F11410H00600007	○
					30,0				F11410H00600008	○
					32,0				F11410H00600009	○
					35,0				F11410H00600010	○
					40,0				F11410H00600011	○
	0,30	10,00	10,00		45,0		78	105	F11410H00600012	○
					50,0				F11410H00600013	○
					60,0				F11410H00600014	○
					30,0				F11410H00600015	●
					32,0				F11410H00600016	●
					35,0				F11410H00600017	●
	0,50	10,00	10,00		40,0		78	105	F11410H00600018	●
					45,0				F11410H00600019	●
					50,0				F11410H00600020	●
					60,0				F11410H00600021	●
					30,0				F11410H00600022	●
					32,0				F11410H00600023	●
	1,00	10,00	10,00		35,0		78	105	F11410H00600024	●
					40,0				F11410H00600025	●
					45,0				F11410H00600026	●
					50,0				F11410H00600027	●
					60,0				F11410H00600028	●
					30,0				F11410H00600029	●
	1,50	10,00	10,00		32,0		78	105	F11410H00600030	●
					35,0				F11410H00600031	●
					40,0				F11410H00600032	●
					45,0				F11410H00600033	●
					50,0				F11410H00600034	●
					60,0				F11410H00600035	●
8,00	0,20	14,00	30,0	78	105	F11410H00600036	●			
			32,0			F11410H00600037	●			
			35,0			F11410H00600038	●			
			40,0			F11410H00600039	●			
			45,0			F11410H00600040	●			
			50,0			F11410H00600041	●			
			60,0			F11410H00600042	●			
			30,0			F11410H00800001	○			
			35,0			F11410H00800002	○			
			40,0			F11410H00800003	○			
			45,0			F11410H00800004	○			
			50,0			F11410H00800005	○			
			60,0			F11410H00800006	○			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



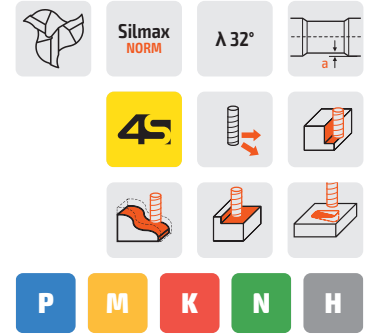
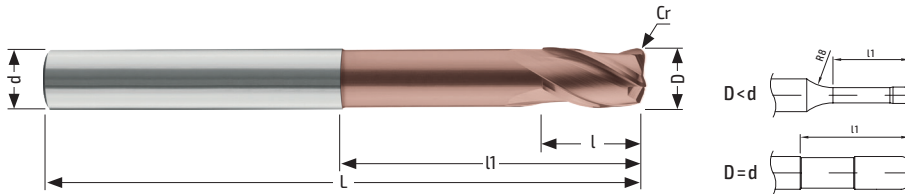
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1141

Fresa 3 taglienti torica per semifinitura e finitura  
 3 flute end mill for semi-finishing and finishing  
 3-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 3 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock		
8,00	0,30	14,00	30,0	0,15	78	8	F11410H00800007	●		
			35,0				F11410H00800008	●		
			40,0				F11410H00800009	●		
			45,0				F11410H00800010	●		
			50,0				F11410H00800011	●		
			60,0				F11410H00800012	●		
	0,50	14,00	30,0		78		105	F11410H00800013	●	
			35,0					F11410H00800014	●	
			40,0					F11410H00800015	●	
			45,0					F11410H00800016	●	
			50,0					F11410H00800017	●	
			60,0					F11410H00800018	●	
	1,00	14,00	30,0		78		105	F11410H00800019	●	
			35,0					F11410H00800020	●	
			40,0					F11410H00800021	●	
			45,0					F11410H00800022	●	
			50,0					F11410H00800023	●	
			60,0					F11410H00800024	●	
	1,50	14,00	30,0		78		105	F11410H00800025	○	
			35,0					F11410H00800026	○	
			40,0					F11410H00800027	○	
			45,0					F11410H00800028	○	
			50,0					F11410H00800029	○	
			60,0					F11410H00800030	○	
	2,00	14,00	30,0		78		105	F11410H00800031	●	
			35,0					F11410H00800032	●	
			40,0					F11410H00800033	●	
			45,0					F11410H00800034	●	
			50,0					F11410H00800035	●	
			60,0					F11410H00800036	●	
	10,00	0,20	18,00		30,0		78	10	F11410H01000001	○
					35,0				F11410H01000002	○
					40,0				F11410H01000003	○
					45,0				F11410H01000004	○
					50,0				F11410H01000005	○
					55,0				F11410H01000006	○
60,0				F11410H01000007	○					
65,0				F11410H01000008	○					
70,0				F11410H01000009	○					
75,0				F11410H01000010	○					
80,0				F11410H01000011	○					
85,0				F11410H01000012	○					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
10,00	0,30	18,00	30,0	0,15	78	10	F11410H01000013	●
			35,0				F11410H01000014	●
			40,0				F11410H01000015	●
			45,0				F11410H01000016	●
			50,0				F11410H01000017	●
			55,0		F11410H01000018		●	
			60,0		F11410H01000019		●	
			65,0		F11410H01000020		●	
			70,0		F11410H01000021		●	
			75,0		F11410H01000022		●	
			80,0		F11410H01000023		●	
			85,0		F11410H01000024		●	
			30,0		F11410H01000025		●	
			35,0		F11410H01000026		●	
			40,0		F11410H01000027		●	
	45,0	F11410H01000028	●					
	50,0	F11410H01000029	●					
	55,0	F11410H01000030	●					
	60,0	F11410H01000031	●					
	65,0	F11410H01000032	●					
	70,0	F11410H01000033	●					
	75,0	F11410H01000034	●					
	80,0	F11410H01000035	●					
	85,0	F11410H01000036	●					
	30,0	F11410H01000037	●					
	35,0	F11410H01000038	●					
	40,0	F11410H01000039	●					
	45,0	F11410H01000040	●					
	50,0	F11410H01000041	●					
	55,0	F11410H01000042	●					
	60,0	F11410H01000043	●					
	65,0	F11410H01000044	●					
	70,0	F11410H01000045	●					
	75,0	F11410H01000046	●					
	80,0	F11410H01000047	●					
	85,0	F11410H01000048	●					
	30,0	F11410H01000049	○					
	35,0	F11410H01000050	○					
	40,0	F11410H01000051	○					
	45,0	F11410H01000052	○					
	50,0	F11410H01000053	○					
	55,0	F11410H01000054	○					
	60,0	F11410H01000055	○					
	65,0	F11410H01000056	○					
	70,0	F11410H01000057	○					
	75,0	F11410H01000058	○					
	80,0	F11410H01000059	○					
	85,0	F11410H01000060	○					
	30,0	F11410H01000061	●					
	35,0	F11410H01000062	●					
	40,0	F11410H01000063	●					
	45,0	F11410H01000064	●					
	50,0	F11410H01000065	●					
	55,0	F11410H01000066	●					



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



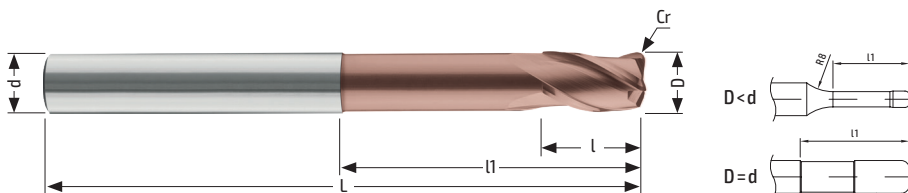
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 1141

Fresa 3 taglienti torica per semifinitura e finitura  
 3 flute end mill for semi-finishing and finishing  
 3-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 3 dents, pour semi-finition et finition



D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock				
10,00	2,00	18,00	60,0	0,15	105	10	F11410H01000067	●				
			65,0				F11410H01000068	●				
			70,0				F11410H01000069	●				
			75,0				F11410H01000070	●				
			80,0				F11410H01000071	●				
			85,0				F11410H01000072	●				
			30,0				F11410H01000073	●				
			35,0				F11410H01000074	●				
			40,0				F11410H01000075	●				
			45,0				F11410H01000076	●				
	50,0		F11410H01000077		●							
	55,0		F11410H01000078		●							
	60,0		F11410H01000079		●							
	65,0		F11410H01000080		●							
	70,0		F11410H01000081		●							
	75,0		F11410H01000082		●							
	80,0		F11410H01000083		●							
	85,0		F11410H01000084		●							
	12,00		0,20		20,00		30,0	0,20	83	12	F11410H01200001	○
							35,0				F11410H01200002	○
40,0		F11410H01200003		○								
45,0		F11410H01200004		○								
50,0		F11410H01200005		○								
60,0		F11410H01200006		○								
65,0		F11410H01200007		○								
70,0		F11410H01200008		○								
75,0		F11410H01200009		○								
80,0		F11410H01200010		○								
85,0		F11410H01200011	○									
90,0		F11410H01200012	○									
100,0		F11410H01200013	○									
30,0		F11410H01200014	●									
35,0		F11410H01200015	●									
40,0		F11410H01200016	●									
45,0		F11410H01200017	●									
50,0		F11410H01200018	●									
60,0		F11410H01200019	●									
65,0		F11410H01200020	●									
70,0		F11410H01200021	●									
75,0		F11410H01200022	●									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.





D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock			
12,00	0,30	20,00	80,0	0,20	120	12	F11410H01200023	●			
			85,0				F11410H01200024	●			
			90,0				F11410H01200025	●			
			100,0				F11410H01200026	●			
	0,50	20,00	30,0		83		F11410H01200027	●			
			35,0				F11410H01200028	●			
			40,0				F11410H01200029	●			
			45,0				F11410H01200030	●			
			50,0		105		F11410H01200031	●			
			60,0				F11410H01200032	●			
			65,0				F11410H01200033	●			
			70,0				F11410H01200034	●			
			75,0		120		F11410H01200035	●			
			80,0				F11410H01200036	●			
			85,0				F11410H01200037	●			
			90,0				150	F11410H01200038	●		
			100,0		F11410H01200039			●			
			1,00		20,00			30,0	83	F11410H01200040	●
								35,0		F11410H01200041	●
							40,0	F11410H01200042		●	
	45,0	F11410H01200043					●				
	50,0	105					F11410H01200044	●			
	60,0						F11410H01200045	●			
	65,0						F11410H01200046	●			
	70,0						F11410H01200047	●			
	75,0	120					F11410H01200048	●			
	80,0						F11410H01200049	●			
	85,0						F11410H01200050	●			
	90,0						150	F11410H01200051	●		
	100,0	F11410H01200052						●			
	1,50	20,00						30,0	83	F11410H01200053	○
								35,0		F11410H01200054	○
							40,0	F11410H01200055		○	
			45,0		F11410H01200056		○				
			50,0		105		F11410H01200057	○			
			60,0				F11410H01200058	○			
			65,0				F11410H01200059	○			
			70,0				F11410H01200060	○			
			75,0		120		F11410H01200061	○			
			80,0				F11410H01200062	○			
			85,0				F11410H01200063	○			
			90,0				150	F11410H01200064	○		
			100,0		F11410H01200065			○			
			2,00		20,00			30,0	83	F11410H01200066	●
								35,0		F11410H01200067	●
							40,0	F11410H01200068		●	
	45,0	F11410H01200069					●				
	50,0	105					F11410H01200070	●			
	60,0						F11410H01200071	●			
	65,0						F11410H01200072	●			
	70,0						F11410H01200073	●			
	75,0	120					F11410H01200074	●			
80,0	F11410H01200075			●							
85,0	F11410H01200076			●							
90,0	150			F11410H01200077		●					
100,0		F11410H01200078		●							



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

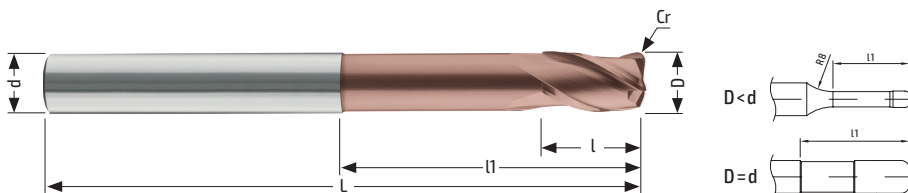


Non ISO  
Not ISO



# 1141

Fresa 3 taglienti torica per semifinitura e finitura  
 3 flute end mill for semi-finishing and finishing  
 3-schneidiger Schaftfräser zum Vorschlichten und Schlichten  
 Fraise toriques 3 dents, pour semi-finition et finition



Cr	D h8	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock							
●	12,00	2,50	20,00	30,0	0,20	83	12	F11410H01200079	●							
				35,0				F11410H01200080	●							
				40,0				F11410H01200081	●							
				45,0				F11410H01200082	●							
				50,0				F11410H01200083	●							
				60,0				F11410H01200084	●							
				65,0				F11410H01200085	●							
				70,0				F11410H01200086	●							
				75,0				F11410H01200087	●							
				80,0				F11410H01200088	●							
				85,0				F11410H01200089	●							
				90,0				F11410H01200090	●							
				100,0				F11410H01200091	●							
				3,00				20,00	30,0	0,20	83	12	F11410H01200092	●		
									35,0				F11410H01200093	●		
		40,0	F11410H01200094			●										
		45,0	F11410H01200095			●										
		50,0	F11410H01200096			●										
		60,0	F11410H01200097			●										
		65,0	F11410H01200098			●										
		70,0	F11410H01200099			●										
		75,0	F11410H01200100			●										
		80,0	F11410H01200101			●										
		85,0	F11410H01200102			●										
		90,0	F11410H01200103			●										
		100,0	F11410H01200104			●										
		3,50	20,00			30,0			0,20				83	12	F11410H01200105	○
						35,0									F11410H01200106	○
				40,0		F11410H01200107		○								
				45,0		F11410H01200108		○								
50,0	F11410H01200109			○												
60,0	F11410H01200110			○												
65,0	F11410H01200111			○												
70,0	F11410H01200112			○												
75,0	F11410H01200113			○												
80,0	F11410H01200114			○												
85,0	F11410H01200115			○												
90,0	F11410H01200116			○												
100,0	F11410H01200117			○												

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



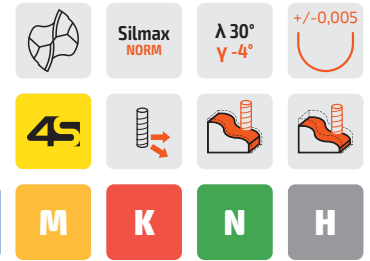
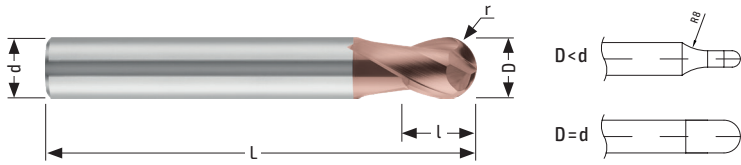
1141



7725

# 7725

Fresa 2 taglienti serie normale semisferica  
 2 flute ball nose end mill, regular version  
 2-schneidiger Kugelfräser, normale Ausführung  
 Fraise à 2 dents hémispherique série normale



	D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
	3,00	1,50	3,00	57	6	F77250H00300001	●
	4,00	2,00	4,00	57	6	F77250H00400001	●
	5,00	2,50	5,00	57	6	F77250H00500001	●
	6,00	3,00	6,00	57	6	F77250H00600001	●
	8,00	4,00	8,00	63	8	F77250H00800001	●
	10,00	5,00	10,00	50	10	F77250H01000001	●
	10,00	5,00	10,00	78	10	F77250H01000002	●
	12,00	6,00	12,00	63	12	F77250H01200001	●
	12,00	6,00	12,00	83	12	F77250H01200002	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



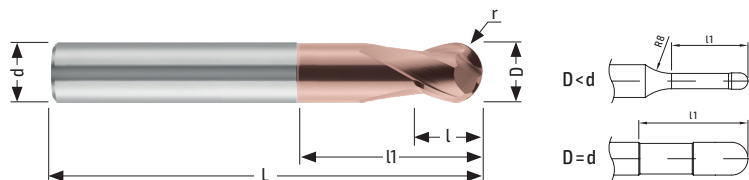
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## 7725S

Fresa 2 taglienti serie normale semisferica, con collarino  
 2 flute ball nose end mill regular version with neck relief  
 2-schneidiger Kugelfräser, normale Ausführung  
 Fraise à 2 dents hémispherique série normale, avec dégagement



D +0/-0,02	Cr/r	l	ll	a	L	d h5	Balinit® Tisaflex	Stock			
3,00	1,50	3,00	6,0	0,10	57	6	F7725SH00300001	●			
			10,0				F7725SH00300002	●			
			15,0				F7725SH00300003	●			
			20,0				F7725SH00300004	●			
4,00	2,00	4,00	8,0				F7725SH00400001	●			
			15,0				F7725SH00400002	●			
			20,0				F7725SH00400003	●			
			25,0				F7725SH00400004	●			
5,00	2,50	5,00	10,0		0,15	78	6	F7725SH00500001	●		
			15,0					F7725SH00500002	●		
			20,0					F7725SH00500003	●		
			25,0					F7725SH00500004	●		
6,00	3,00	6,00	30,0					57	6	F7725SH00600001	●
			35,0							F7725SH00600002	●
			40,0							F7725SH00600003	●
			8,00							4,00	8,00
25,0	F7725SH00600005	●									
30,0	F7725SH00600006	●									
35,0	F7725SH00600007	●									
10,00	5,00	10,00	40,0	63		8	10			F7725SH00800001	●
			25,0					F7725SH00800002	●		
			30,0					F7725SH00800003	●		
			35,0					F7725SH00800004	●		
12,00	6,00	12,00	40,0					78	10	10	F7725SH00800005
			25,0		F7725SH01000001						●
			30,0		F7725SH01000002						●
			35,0		F7725SH01000003						●
12,00	6,00	12,00	40,0	0,20	83	12	F7725SH01000004				●
			30,0				F7725SH01200001				●
			35,0				F7725SH01200002				●
			40,0				F7725SH01200003				●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



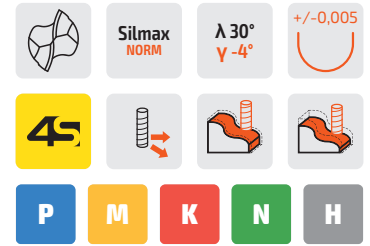
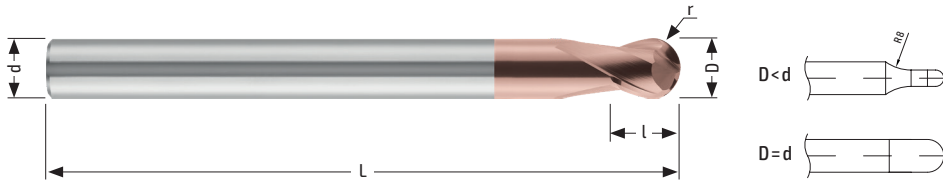
7725S



7726

# 7726

Fresa 2 taglienti serie lunga semisferica  
 2 flute ball nose end mill, long version  
 2-schneidiger Kugelfräser in langer Ausführung zum Schruppen von Stahl mit hohem Materialabtrag  
 Fraise à 2 dents hémispherique série longue



	D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
	3,00	1,50	3,00	78	6	F77260H00300001	●
	4,00	2,00	4,00	78	6	F77260H00400001	●
	5,00	2,50	5,00	105	6	F77260H00500001	●
	6,00	3,00	6,00	105	6	F77260H00600001	●
	8,00	4,00	8,00	105	8	F77260H00800001	●
	10,00	5,00	10,00	105	10	F77260H01000003	●
	10,00	5,00	10,00	120	10	F77260H01000001	●
	10,00	5,00	10,00	150	10	F77260H01000002	●
	12,00	6,00	12,00	105	12	F77260H01200003	●
	12,00	6,00	12,00	120	12	F77260H01200001	●
	12,00	6,00	12,00	150	12	F77260H01200002	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



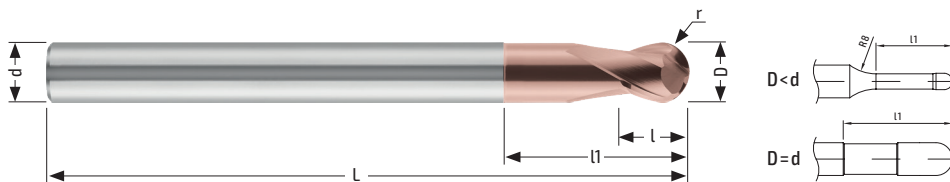
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 7726S

Fresa 2 taglienti serie lunga semisferica, con collarino  
 2 flute ball nose end mill, long version with neck relief  
 2-schneidiger Kugelfräser in langer Ausführung zum Schruppen von Stahl mit hohem Materialabtrag  
 Fraise à 2 dents hémispherique série longue, avec dégageant



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
3,00	1,50	3,00	6,0	0,10	78	6	F7726SH00300001	●
			10,0				F7726SH00300002	●
			15,0				F7726SH00300003	●
			20,0				F7726SH00300004	●
4,00	2,00	4,00	8,0	0,10	78	6	F7726SH00400001	●
			15,0				F7726SH00400002	●
			20,0				F7726SH00400003	●
			25,0				F7726SH00400004	●
			30,0				F7726SH00400005	●
			35,0				F7726SH00400006	●
			40,0				F7726SH00400007	●
			40,0				F7726SH00400007	●
5,00	2,50	5,00	15,0	0,10	78	6	F7726SH00500001	●
			20,0				F7726SH00500002	●
			25,0				F7726SH00500003	●
			30,0				F7726SH00500004	●
			35,0				F7726SH00500005	●
			40,0				F7726SH00500006	●
			45,0				F7726SH00500007	●
			50,0				F7726SH00500008	●
			55,0				F7726SH00500009	●
			60,0				F7726SH00500010	●
			60,0				F7726SH00500010	●
			6,00				3,00	6,00
20,0	F7726SH00600002	●						
25,0	F7726SH00600003	●						
30,0	F7726SH00600004	●						
35,0	F7726SH00600005	●						
40,0	F7726SH00600006	●						
45,0	F7726SH00600007	●						
50,0	F7726SH00600008	●						
55,0	F7726SH00600009	●						
60,0	F7726SH00600010	●						
65,0	F7726SH00600011	●						
70,0	F7726SH00600012	●						
70,0	F7726SH00600012	●						
8,00	4,00	8,00		20,0	0,15	105		
			25,0	F7726SH00800002			●	
			30,0	F7726SH00800003			●	
			35,0	F7726SH00800004			●	
			40,0	F7726SH00800005			●	
			45,0	F7726SH00800006			●	
			50,0	F7726SH00800007			●	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



7726S



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock					
8,00	4,00	8,00	55,0	0,15	105	8	F7726SH00800008	●					
			60,0				F7726SH00800009	●					
			65,0				F7726SH00800010	●					
			70,0				F7726SH00800011	●					
10,00	5,00	10,00	25,0	0,15	120	10	F7726SH01000017	●					
			30,0		105		F7726SH01000001	●					
			35,0		120		F7726SH01000018	●					
			40,0		105		F7726SH01000002	●					
			45,0		120		F7726SH01000019	●					
			50,0		105		F7726SH01000003	●					
			55,0		120		F7726SH01000020	●					
			60,0		105		F7726SH01000004	●					
			65,0		120		F7726SH01000021	●					
			70,0		105		F7726SH01000005	●					
			75,0		120		F7726SH01000022	●					
			80,0		105		F7726SH01000006	●					
			85,0		120		F7726SH01000023	●					
			90,0		105		F7726SH01000007	●					
			95,0		120		F7726SH01000024	●					
			100,0		105		F7726SH01000008	●					
			12,00		6,00		12,00	30,0	0,20	105	12	F7726SH01200016	●
								35,0		120		F7726SH01200001	●
								40,0		105		F7726SH01200017	●
								45,0		120		F7726SH01200002	●
50,0	105	F7726SH01200018		●									
55,0	120	F7726SH01200003		●									
60,0	105	F7726SH01200019		●									
65,0	120	F7726SH01200004		●									
70,0	105	F7726SH01200020		●									
75,0	120	F7726SH01200005		●									
80,0	105	F7726SH01200021		●									
85,0	120	F7726SH01200006		●									
90,0	105	F7726SH01200022		●									
95,0	120	F7726SH01200007		●									
100,0	105	F7726SH01200023		●									
	120	F7726SH01200008		●									
	150	F7726SH01200024		●									
	120	F7726SH01200009		●									
	150	F7726SH01200010		●									
	150	F7726SH01200011		●									
	150	F7726SH01200012	●										
	150	F7726SH01200013	●										
	150	F7726SH01200014	●										
	150	F7726SH01200015	●										



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



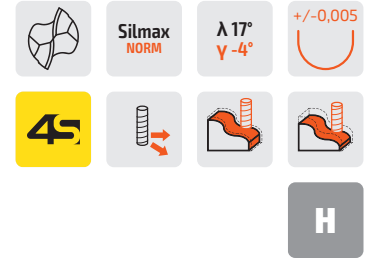
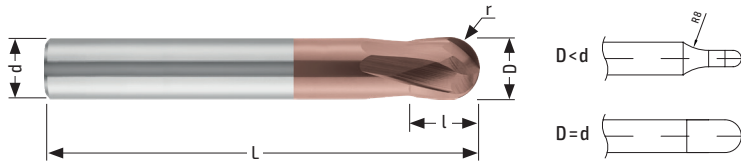
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**7727**

Fresa 2 taglienti serie normale semisferica, per acciai temprati  
 2 flute ball nose end mill, regular version of hardened steels  
 2-schneidiger Kugelfräser zum Schlichten von gehärteten Stählen  
 Fraise à 2 dents hémispherique série normale, pour aciers trempés



D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
1,00	0,50	1,50	57	6	F77270H00100001	●
1,50	0,75	2,00	57	6	F77270H00150001	●
2,00	1,00	2,00	57	6	F77270H00200001	●
3,00	1,50	3,00	57	6	F77270H00300001	●
4,00	2,00	4,00	57	6	F77270H00400001	●
5,00	2,50	5,00	57	6	F77270H00500001	●
6,00	3,00	6,00	57	6	F77270H00600001	●
8,00	4,00	8,00	63	8	F77270H00800001	●
10,00	5,00	10,00	78	10	F77270H01000001	●
12,00	6,00	12,00	83	12	F77270H01200001	●
16,00	8,00	16,00	105	16	F77270H01600001	●
20,00	10,00	20,00	105	20	F77270H02000001	●



- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



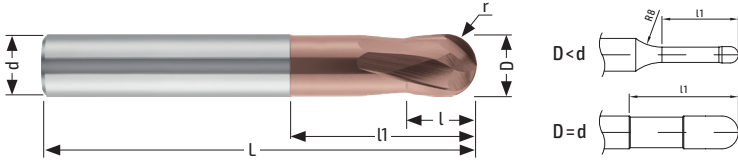
7727



7725

# 7727S

Fresa 2 taglienti serie normale semisferica, con collarino, per acciai temprati  
2 flute ball nose end mill, regular version with neck relief of hardened steels  
2-schneidiger Kugelfräser zum Schlichten von gehärteten Stählen  
Fraise à 2 dents hémispherique série normale, avec dégagement pour aciers trempés



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
1,00	0,50	1,50	3,0	0,10	57	6	F7727SH00100001	●
			6,0				F7727SH00100002	●
			8,0				F7727SH00100003	●
			10,0				F7727SH00100004	●
1,50	0,75	2,00	4,0				F7727SH00150001	●
			6,0				F7727SH00150002	●
			8,0				F7727SH00150003	●
			10,0				F7727SH00150004	●
2,00	1,00	2,00	12,0				F7727SH00150005	●
			4,0				F7727SH00200001	●
			8,0				F7727SH00200002	●
			10,0				F7727SH00200003	●
3,00	1,50	3,00	12,0				F7727SH00200004	●
			6,0				F7727SH00300001	●
			10,0				F7727SH00300002	●
			15,0				F7727SH00300003	●
4,00	2,00	4,00	20,0	F7727SH00300004	●			
			8,0	F7727SH00400001	●			
			15,0	F7727SH00400002	●			
			20,0	F7727SH00400003	●			
5,00	2,50	5,00	25,0	F7727SH00400004	●			
			10,0	F7727SH00500001	●			
			15,0	F7727SH00500002	●			
			20,0	F7727SH00500003	●			
6,00	3,00	6,00	25,0	F7727SH00500004	●			
			30,0	F7727SH00500005	●			
			35,0	F7727SH00500006	●			
			40,0	F7727SH00500007	●			
8,00	4,00	8,00	15,0	F7727SH00600001	●			
			20,0	F7727SH00600002	●			
			25,0	F7727SH00600003	●			
			30,0	F7727SH00600004	●			
8,00	4,00	8,00	35,0	F7727SH00600005	●			
			40,0	F7727SH00600006	●			
			20,0	F7727SH00800001	●			
			25,0	F7727SH00800002	●			
8,00	4,00	8,00	30,0	F7727SH00800003	●			
			35,0	F7727SH00800004	●			
			40,0	F7727SH00800005	●			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

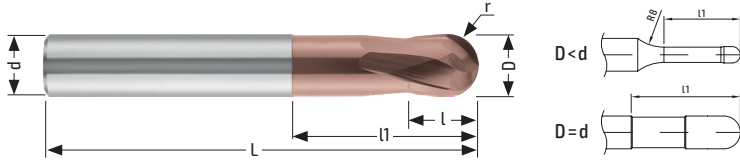


Non ISO  
Not ISO



**7727S**

Fresa 2 taglienti serie normale semisferica, con collarino, per acciai temprati  
 2 flute ball nose end mill, regular version with neck relief of hardened steels  
 2-schneidiger Kugelfräser zum Schlichten von gehärteten Stählen  
 Fraise à 2 dents hémispherique série normale, avec dégageant pour aciers trempés



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
10,00	5,00	10,00	30,0	0,15	78	10	F7727SH01000001	●
			35,0				F7727SH01000002	●
			40,0				F7727SH01000003	●
12,00	6,00	12,00	30,0	0,15	83	12	F7727SH01200001	●
			35,0				F7727SH01200002	●
			40,0				F7727SH01200003	●
16,00	8,00	16,00	40,0	0,20	105	16	F7727SH01600001	●
			45,0				F7727SH01600002	●
			50,0				F7727SH01600003	●
			55,0				F7727SH01600004	●
			60,0				F7727SH01600005	●
			65,0				F7727SH01600006	●
20,00	10,00	20,00	70,0	0,20	105	20	F7727SH01600007	●
			40,0				F7727SH02000001	●
			45,0				F7727SH02000002	●
			50,0				F7727SH02000003	●
			55,0				F7727SH02000004	●
			60,0				F7727SH02000005	●
			65,0				F7727SH02000006	●
			70,0				F7727SH02000007	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



7727S



7729

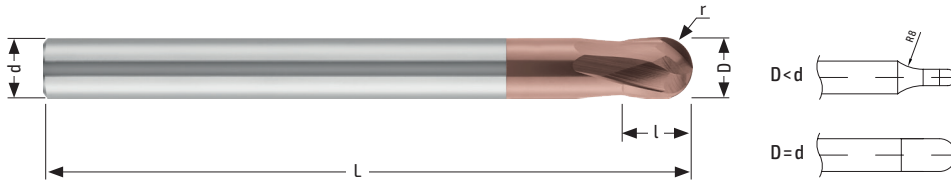
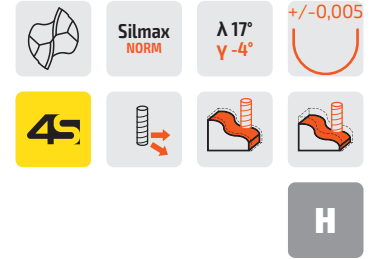
**7729**

Fresa 2 taglienti serie lunga semisferica, per acciai temprati

2 flute ball nose end mill, long version of hardened steels

Langer Kugelkopfräser mit 2 Schneiden zum Schlichten von gehärteten Stählen

Fraise à 2 dents hémispherique série longue, pour aciers trempés



	D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
	3,00	1,50	3,00	78	6	F77290H00300001	●
	4,00	2,00	4,00	78	6	F77290H00400001	●
	5,00	2,50	5,00	105	6	F77290H00500001	●
	6,00	3,00	6,00	105	6	F77290H00600001	●
	8,00	4,00	8,00	105	8	F77290H00800001	●
	10,00	5,00	10,00	120	10	F77290H01000001	●
	12,00	6,00	12,00	120	12	F77290H01200001	●
	16,00	8,00	16,00	120	16	F77290H01600001	●
	20,00	10,00	20,00	150	20	F77290H02000001	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



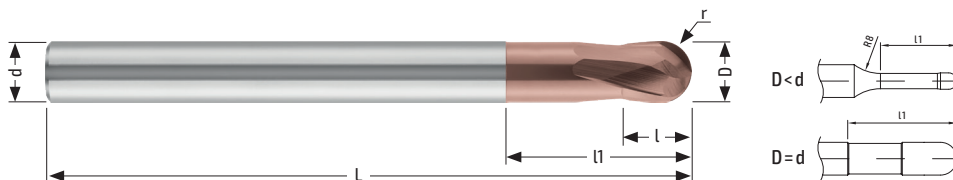
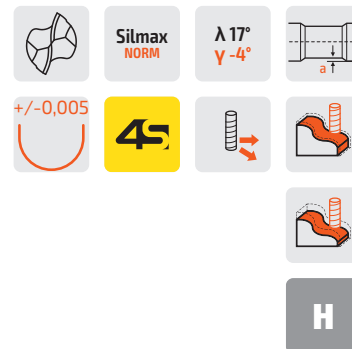
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## 7729S

Fresa 2 taglienti serie lunga semisferica, con collarino, per acciai temprati  
 2 flute ball nose end mill, long version with neck relief of hardened steels  
 Langer Kugelkopfräser mit 2 Schneiden zum Schlichten von gehärteten Stählen  
 Fraise à 2 dents hémispherique série longue, avec dégagement pour aciers trempés



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock			
3,00	1,50	3,00	6,0	0,10	78	6	F7729SH00300001	●			
			10,0				F7729SH00300002	●			
			15,0				F7729SH00300003	●			
			20,0				F7729SH00300004	●			
4,00	2,00	4,00	8,0				0,10	78	6	F7729SH00400001	●
			15,0							F7729SH00400002	●
			20,0							F7729SH00400003	●
			25,0							F7729SH00400004	●
			30,0							F7729SH00400005	●
			35,0							F7729SH00400006	●
			40,0							F7729SH00400007	●
			40,0							F7729SH00400007	●
5,00	2,50	5,00	15,0	0,10	78	6				F7729SH00500001	●
			20,0							F7729SH00500002	●
			25,0							F7729SH00500003	●
			30,0							F7729SH00500004	●
			35,0				F7729SH00500005	●			
			40,0				F7729SH00500006	●			
			45,0				F7729SH00500007	●			
			50,0				F7729SH00500008	●			
			55,0				F7729SH00500009	●			
			60,0				F7729SH00500010	●			
6,00	3,00	6,00	15,0				0,15	105	6	F7729SH00600001	●
			20,0							F7729SH00600002	●
			25,0	F7729SH00600003	●						
			30,0	F7729SH00600004	●						
			35,0	F7729SH00600005	●						
			40,0	F7729SH00600006	●						
			45,0	F7729SH00600007	●						
			50,0	F7729SH00600008	●						
			55,0	F7729SH00600009	●						
			60,0	F7729SH00600010	●						
8,00	4,00	8,00	20,0	0,15	105	8				F7729SH00800001	●
			25,0							F7729SH00800002	●
			30,0				F7729SH00800003	●			
			35,0				F7729SH00800004	●			
			40,0				F7729SH00800005	●			
			45,0				F7729SH00800006	●			
			45,0				F7729SH00800006	●			
			50,0				F7729SH00800007	●			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



7729S



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock
8,00	4,00	8,00	55,0	0,15	105	8	F7729SH00800008	●
			60,0				F7729SH00800009	●
			65,0				F7729SH00800010	●
			70,0				F7729SH00800011	●
10,00	5,00	10,00	25,0	0,15	105	10	F7729SH01000001	●
			30,0				F7729SH01000002	●
			35,0				F7729SH01000003	●
			40,0				F7729SH01000004	●
			45,0				F7729SH01000005	●
			50,0				F7729SH01000006	●
			55,0				F7729SH01000007	●
			60,0				F7729SH01000008	●
			65,0				F7729SH01000009	●
			70,0				F7729SH01000010	●
			75,0				F7729SH01000011	●
			80,0				F7729SH01000012	●
12,00	6,00	12,00	30,0	0,15	120	12	F7729SH01200001	●
			35,0				F7729SH01200002	●
			40,0				F7729SH01200003	●
			45,0				F7729SH01200004	●
			50,0				F7729SH01200005	●
			55,0				F7729SH01200006	●
			60,0				F7729SH01200007	●
			65,0				F7729SH01200008	●
			70,0				F7729SH01200009	●
			75,0				F7729SH01200010	●
			80,0				F7729SH01200011	●
			16,00				8,00	16,00
45,0	F7729SH01600002	●						
50,0	F7729SH01600003	●						
55,0	F7729SH01600004	●						
60,0	F7729SH01600005	●						
65,0	F7729SH01600006	●						
70,0	F7729SH01600007	●						
75,0	F7729SH01600008	●						
80,0	F7729SH01600009	●						
85,0	F7729SH01600010	●						
20,00	10,00	20,00	40,0	0,20	150	20	F7729SH02000001	●
			45,0				F7729SH02000002	●
			50,0				F7729SH02000003	●
			55,0				F7729SH02000004	●
			60,0				F7729SH02000005	●
			65,0				F7729SH02000006	●
			70,0				F7729SH02000007	●
			75,0				F7729SH02000008	●
			80,0				F7729SH02000009	●
			85,0				F7729SH02000010	●
			90,0				F7729SH02000011	●
			95,0				F7729SH02000012	●
			100,0				F7729SH02000013	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



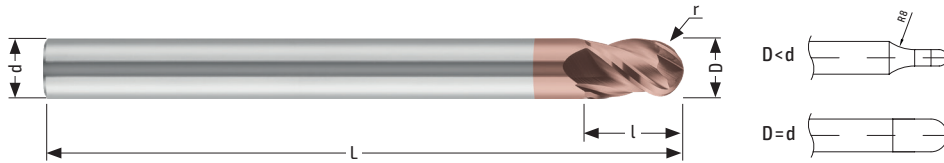
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

1149

Fresa 3 taglienti serie lunga semisferica  
 3 flute ball nose end mill long version  
 Langer Kugelkopfräser mit 3 Schneiden  
 Fraise hémisphérique à 3 dents, série longue

Silmax  
NORM $\lambda$  40°  
 $\gamma$  -4°

+/-0,005



P

H



D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
3,00	1,50	4,50	78	6	F11490H00300001	●
4,00	2,00	6,00	78	6	F11490H00400001	●
5,00	2,50	7,50	78	6	F11490H00500001	●
6,00	3,00	9,00	78	6	F11490H00600001	●
8,00	4,00	12,00	105	8	F11490H00800001	●
10,00	5,00	15,00	105	10	F11490H01000001	●
12,00	6,00	18,00	105	12	F11490H01200001	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per  
consultare i parametri di lavoro.  
Scan the Qr-code to view  
the working parameters.



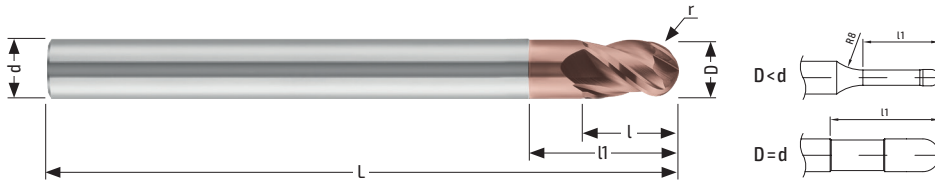
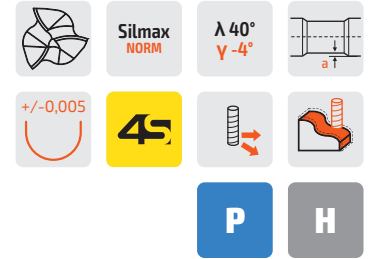
1149



1149S

# 1149S

Fresa 3 taglienti serie lunga semisferica, con collarino  
3 flute ball nose end mill long version with neck relief  
Langer Kugelkopfräser mit 3 Schneiden  
Fraise hémisphérique à 3 dents, série longue avec dégagement



D +0/-0,02	Cr/r	l	l1	a	L	d h5	Balinit® Tisaflex	Stock									
3,00	1,50	4,50	10,0	0,10	78	6	F1149SH00300001	●									
			15,0				F1149SH00300002	●									
			20,0				F1149SH00300003	●									
4,00	2,00	6,00	15,0				0,15	105	8	F1149SH00400001	●						
			20,0							F1149SH00400002	●						
			25,0							F1149SH00400003	●						
5,00	2,50	7,50	15,0							0,20	105	10	F1149SH00500001	●			
			20,0										F1149SH00500002	●			
			25,0										F1149SH00500003	●			
6,00	3,00	9,00	15,0										0,20	105	12	F1149SH00600001	●
			20,0													F1149SH00600002	●
			25,0													F1149SH00600003	●
8,00	4,00	12,00	20,0	0,20	105	12										F1149SH00800001	●
			25,0													F1149SH00800002	●
			30,0													F1149SH00800003	●
10,00	5,00	15,00	30,0				0,20	105	12							F1149SH01000001	●
			40,0													F1149SH01000002	●
			50,0													F1149SH01000003	●
12,00	6,00	18,00	30,0							0,20	105	12				F1149SH01200001	●
			40,0													F1149SH01200002	●
			50,0													F1149SH01200003	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



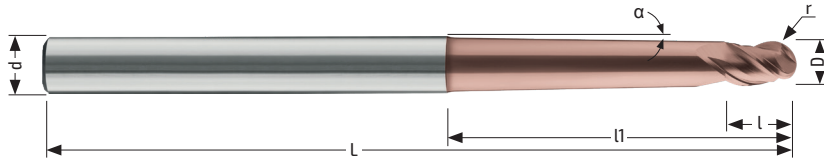
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## 1149A

Fresa 3 taglienti semisferica, con collarino conico e gambo rinforzato  
 3 Flutes ball nose end mill with tapered neck and reinforced shank  
 3-schneidiger Kugelfräser mit konischem Hals und verstärktem Schaft  
 Fraise hémisphérique à 3 dents, queue renforcé et dégagement conique



	D +0/-0,02	Cr/r	l	l1	α°	L	d h5	Balinit® Tisaflex	Stock
	4,00	2,00	6,00	30,0	1,0	105	6	F1149AH00400001	●
	4,00	2,00	6,00	40,0	1,0	105	6	F1149AH00400002	●
	4,00	2,00	6,00	50,0	1,0	105	6	F1149AH00400003	●
	5,00	2,50	7,50	30,0	1,0	105	8	F1149AH00500001	●
	5,00	2,50	7,50	50,0	1,0	105	8	F1149AH00500002	●
	6,00	3,00	9,00	50,0	1,0	105	8	F1149AH00600001	●
	6,00	3,00	9,00	60,0	1,0	105	8	F1149AH00600002	●
	8,00	4,00	12,00	60,0	1,0	120	10	F1149AH00800001	●
	8,00	4,00	12,00	70,0	1,0	120	10	F1149AH00800002	●
	10,00	5,00	15,00	60,0	1,0	150	12	F1149AH01000001	●
	10,00	5,00	15,00	75,0	1,0	150	12	F1149AH01000002	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



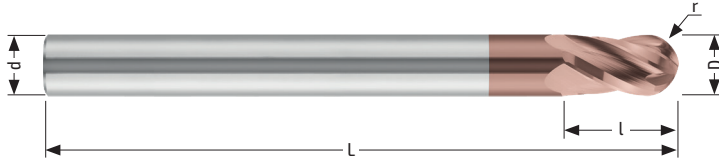
1149A



1147

1147

Fresa 4 taglienti serie lunga semisferica  
4 flute ball nose end mill long version  
Langer Kugelkopfräser mit 4 Schneiden  
Fraise hémisphérique à 4 dents, série longue



	D +0/-0,02	Cr/r	l	L	d h5	Balinit® Tisaflex	Stock
	6,00	3,00	10,00	78	6	F11470H00600001	●
	8,00	4,00	16,00	80	8	F11470H00800001	●
	10,00	5,00	19,00	108	10	F11470H01000001	●
	12,00	6,00	22,00	108	12	F11470H01200001	●
	16,00	8,00	26,00	130	16	F11470H01600001	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

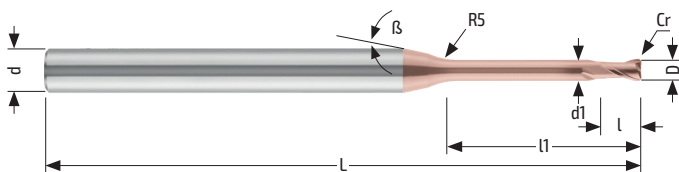
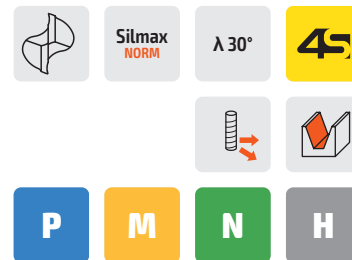


Non ISO  
Not ISO



**07210**

Fresa 2 taglienti torica per nervature  
 2 flute corner radius end mill for ribbing  
 Zweischneidige torische Fräser für Rippenbearbeitung  
 Micro fraise torique à deux dents pour nervures



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock				
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
0,50	0,05	0,75	0,45	1,0	12	50	4	1,61	1,71	1,91	2,10	F07210H00050009	●				
				2,0				2,68	2,83	3,11	3,36	F07210H00050010	●				
				3,0				3,74	3,94	4,28	4,57	F07210H00050011	●				
				4,0				4,80	5,04	5,42	5,74	F07210H00050012	●				
				5,0				5,86	6,12	6,55	6,90	F07210H00050013	●				
				6,0				6,91	7,20	7,66	8,04	F07210H00050014	⦿				
				8,0				9,00	9,34	9,87	10,28	F07210H00050015	⦿				
				10,0				11,09	11,47	12,04	12,50	F07210H00050016	⦿				
				0,10				0,75	0,45	1,0	1,61	1,71	1,91	2,10	F07210H00050001	●	
										2,0	2,68	2,83	3,11	3,36	F07210H00050002	●	
	3,0	3,74	3,94							4,28	4,57	F07210H00050003	●				
	4,0	4,80	5,04							5,42	5,74	F07210H00050004	●				
	5,0	5,86	6,12							6,55	6,90	F07210H00050005	●				
	6,0	6,91	7,20							7,66	8,04	F07210H00050006	⦿				
	8,0	9,00	9,34							9,87	10,28	F07210H00050007	⦿				
	10,0	11,09	11,47							12,04	12,50	F07210H00050008	⦿				
	0,60	0,05	0,90	0,55				2,0	12	50	4	2,67	2,83	3,10	3,35	F07210H00060005	●
								3,0				3,74	3,94	4,27	4,56	F07210H00060006	●
4,0					4,80	5,03	5,41	5,73				F07210H00060007	●				
5,0					5,85	6,12	6,54	6,89				F07210H00060008	●				
6,0					6,91	7,20	7,66	8,03				F07210H00060009	●				
8,0					9,00	9,34	9,86	10,28				F07210H00060010	⦿				
10,0					11,08	11,47	12,04	12,49				F07210H00060011	⦿				
0,10					0,90	0,55	2,0	2,67				2,83	3,10	3,35	F07210H00060001	●	
							3,0	3,74				3,94	4,27	4,56	F07210H00060012	●	
							4,0	4,80				5,03	5,41	5,73	F07210H00060002	●	
		5,0	5,85	6,12			6,54	6,89				F07210H00060013	●				
		6,0	6,91	7,20			7,66	8,03				F07210H00060003	●				
		8,0	9,00	9,34			9,86	10,28				F07210H00060004	⦿				
		10,0	11,08	11,47			12,04	12,49				F07210H00060014	⦿				
		0,80	0,05	1,20			0,75	2,0				12	50	4	2,67	2,82	3,08
3,0					3,73	3,93		4,25							4,54	F07210H00080007	●
4,0					4,79	5,02		5,40							5,72	F07210H00080008	●
5,0					5,85	6,11		6,53							6,88	F07210H00080009	●
6,0	6,90				7,19	7,64		8,02	F07210H00080010	●							
8,0	9,00				9,33	9,85		10,27	F07210H00080011	●							
10,0	11,08				11,46	12,03		12,48	F07210H00080012	⦿							
12,0	13,16				13,58	14,19		14,67	F07210H00080013	⦿							

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



07210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock							
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°									
0,80	0,10	1,20	0,75	2,0	12	50	4	2,67	2,82	3,08	3,33	F07210H00080014	●							
				3,0				3,73	3,93	4,25	4,54	F07210H00080015	●							
				4,0				4,79	5,02	5,40	5,72	F07210H00080016	●							
				5,0				5,85	6,11	6,53	6,88	F07210H00080017	●							
				6,0				6,90	7,19	7,64	8,02	F07210H00080018	●							
				8,0				9,00	9,33	9,85	10,27	F07210H00080019	●							
				10,0				11,08	11,46	12,03	12,48	F07210H00080020	⊙							
				12,0				13,16	13,58	14,19	14,67	F07210H00080021	⊙							
				0,20				1,20	0,75	2,0	2,67	2,82	3,08	3,33	F07210H00080001	●				
										3,0	3,73	3,93	4,25	4,54	F07210H00080022	●				
										4,0	4,79	5,02	5,40	5,72	F07210H00080002	●				
										5,0	5,85	6,11	6,53	6,88	F07210H00080023	●				
	6,0	6,90	7,19							7,64	8,02	F07210H00080003	●							
	8,0	9,00	9,33							9,85	10,27	F07210H00080004	●							
	10,0	11,08	11,46							12,03	12,48	F07210H00080005	⊙							
	12,0	13,16	13,58							14,19	14,67	F07210H00080024	⊙							
	1,00	0,10	1,50							0,95	2,0	12	50	4	2,66	2,81	3,07	3,30	F07210H00100011	●
											4,0				4,79	5,01	5,39	5,70	F07210H00100012	●
											5,0				5,84	6,10	6,52	6,86	F07210H00100013	●
											6,0				6,90	7,18	7,63	8,00	F07210H00100014	●
				8,0				8,99	9,33		9,84				10,25	F07210H00100015	●			
				10,0				11,08	11,45		12,02				12,47	F07210H00100016	●			
				12,0				13,16	13,57		14,19				14,66	F07210H00100017	●			
				14,0				15,23	15,68		16,33				16,84	F07210H00100018	●			
15,0				16,26	16,73	17,40	17,92	F07210H00100019	⊙											
16,0				17,30	17,78	18,47	18,99	F07210H00100020	⊙											
18,0				19,36	19,87	20,60	21,14	F07210H00100021	⊙											
20,0				21,43	21,96	22,71	23,27	F07210H00100022	⊙											
0,20		1,50	0,95	2,0	12	50	4	2,66	2,81	3,07	3,30				F07210H00100001	●				
				4,0				4,79	5,01	5,39	5,70				F07210H00100002	●				
				5,0				5,84	6,10	6,52	6,86				F07210H00100023	●				
				6,0				6,90	7,18	7,63	8,00				F07210H00100003	●				
				8,0				8,99	9,33	9,84	10,25				F07210H00100004	●				
				10,0				11,08	11,45	12,02	12,47				F07210H00100005	●				
				12,0				13,16	13,57	14,19	14,66				F07210H00100006	●				
				14,0				15,23	15,68	16,33	16,84				F07210H00100007	⊙				
				15,0				16,26	16,73	17,40	17,92				F07210H00100024	⊙				
				16,0				17,30	17,78	18,47	18,99				F07210H00100008	⊙				
				18,0				19,36	19,87	20,60	21,14				F07210H00100009	⊙				
				20,0				21,43	21,96	22,71	23,27				F07210H00100010	⊙				
0,30	1,50	0,95	2,0	12				50	4	2,66	2,81	3,07	3,30	F07210H00100025	●					
			4,0							4,79	5,01	5,39	5,70	F07210H00100026	●					
			5,0							5,84	6,10	6,52	6,86	F07210H00100027	●					
			6,0							6,90	7,18	7,63	8,00	F07210H00100028	●					
			8,0							8,99	9,33	9,84	10,25	F07210H00100029	●					
			10,0							11,08	11,45	12,02	12,47	F07210H00100030	●					
			12,0							13,16	13,57	14,19	14,66	F07210H00100031	●					
			14,0							15,23	15,68	16,33	16,84	F07210H00100032	⊙					
			15,0							16,26	16,73	17,40	17,92	F07210H00100033	⊙					
			16,0							17,30	17,78	18,47	18,99	F07210H00100034	⊙					
			18,0							19,36	19,87	20,60	21,14	F07210H00100035	⊙					
			20,0							21,43	21,96	22,71	23,27	F07210H00100036	⊙					



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



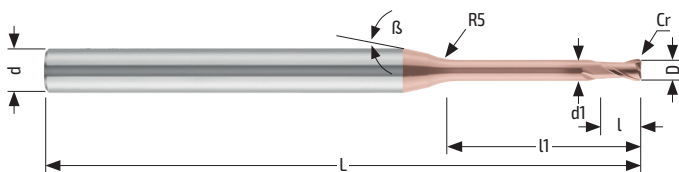
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 07210

Fresa 2 taglienti torica per nervature  
 2 flute corner radius end mill for ribbing  
 Zweischneidige torische Fräser für Rippenbearbeitung  
 Micro fraise torique à deux dents pour nervures



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,20	0,10	1,80	1,15	1,15	12	50	4	2,65	2,79	3,05	3,28	F07210H00120006	○
								4,78	5,00	5,37	5,68	F07210H00120007	○
								5,84	6,09	6,50	6,85	F07210H00120008	○
								6,89	7,17	7,62	7,99	F07210H00120009	○
								8,99	9,32	9,83	10,24	F07210H00120010	○
								11,07	11,45	12,01	12,46	F07210H00120011	○
								13,15	13,57	14,18	14,65	F07210H00120012	○
								15,23	15,67	16,33	16,83	F07210H00120013	○
								16,26	16,72	17,40	17,91	F07210H00120014	○
								17,30	17,77	18,46	18,99	F07210H00120015	○
								19,36	19,87	20,59	21,13	F07210H00120016	○
								21,42	21,95	22,71	23,27	F07210H00120017	○
	0,20	1,80	1,15	12	50	60	4	2,65	2,79	3,05	3,28	F07210H00120018	●
								4,78	5,00	5,37	5,68	F07210H00120001	●
								5,84	6,09	6,50	6,85	F07210H00120019	●
								6,89	7,17	7,62	7,99	F07210H00120020	●
								8,99	9,32	9,83	10,24	F07210H00120002	●
								11,07	11,45	12,01	12,46	F07210H00120021	●
								13,15	13,57	14,18	14,65	F07210H00120003	●
								15,23	15,67	16,33	16,83	F07210H00120022	●
								16,26	16,72	17,40	17,91	F07210H00120004	●
								17,30	17,77	18,46	18,99	F07210H00120023	●
								19,36	19,87	20,59	21,13	F07210H00120024	●
								21,42	21,95	22,71	23,27	F07210H00120005	●
	0,30	1,80	1,15	12	50	60	4	2,65	2,79	3,05	3,28	F07210H00120025	●
								4,78	5,00	5,37	5,68	F07210H00120026	●
								5,84	6,09	6,50	6,85	F07210H00120027	●
								6,89	7,17	7,62	7,99	F07210H00120028	●
								8,99	9,32	9,83	10,24	F07210H00120029	●
								11,07	11,45	12,01	12,46	F07210H00120030	●
								13,15	13,57	14,18	14,65	F07210H00120031	●
								15,23	15,67	16,33	16,83	F07210H00120032	●
								16,26	16,72	17,40	17,91	F07210H00120033	●
								17,30	17,77	18,46	18,99	F07210H00120034	●
								19,36	19,87	20,59	21,13	F07210H00120035	●
								21,42	21,95	22,71	23,27	F07210H00120036	●
1,50	0,10	2,25	1,45	50	4,0	4,77	4,99	5,35	5,66	F07210H00150001	○		
					5,0	5,83	6,08	6,49	6,82	F07210H00150002	○		
					6,0	6,88	7,16	7,61	7,97	F07210H00150006	○		
					8,0	8,98	9,31	9,82	10,23	F07210H00150007	○		
					10,0	11,07	11,44	12,00	12,45	F07210H00150008	○		

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



07210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,10	2,25	12,0	1,45	12	50	4	13,15	13,56	14,17	14,64	F07210H00150009	○
			14,0					15,22	15,67	16,32	16,82	F07210H00150010	○
			15,0					16,26	16,72	17,39	17,90	F07210H00150011	○
			16,0					17,29	17,77	18,45	18,97	F07210H00150012	○
			18,0					19,36	19,86	20,58	21,12	F07210H00150013	○
			20,0					21,42	21,95	22,70	23,26	F07210H00150014	○
			22,0					23,48	24,03	24,81	25,38	F07210H00150015	○
			24,0					25,53	26,11	26,92	27,50	F07210H00150016	○
			25,0					26,56	27,15	27,97	28,55	F07210H00150017	○
			4,0					4,77	4,99	5,35	5,66	F07210H00150018	●
	5,0		5,83					6,08	6,49	6,82	F07210H00150019	●	
	6,0		6,88					7,16	7,61	7,97	F07210H00150020	●	
	8,0		8,98					9,31	9,82	10,23	F07210H00150021	●	
	10,0		11,07					11,44	12,00	12,45	F07210H00150022	●	
	12,0		13,15					13,56	14,17	14,64	F07210H00150003	●	
	14,0		15,22					15,67	16,32	16,82	F07210H00150023	●	
	15,0		16,26					16,72	17,39	17,90	F07210H00150004	●	
	16,0		17,29					17,77	18,45	18,97	F07210H00150024	●	
	18,0		19,36					19,86	20,58	21,12	F07210H00150025	●	
	20,0		21,42					21,95	22,70	23,26	F07210H00150005	●	
	22,0		23,48					24,03	24,81	25,38	F07210H00150026	●	
	24,0		25,53					26,11	26,92	27,50	F07210H00150027	●	
	25,0		26,56					27,15	27,97	28,55	F07210H00150028	●	
	4,0		4,77					4,99	5,35	5,66	F07210H00150029	●	
	5,0		5,83					6,08	6,49	6,82	F07210H00150030	●	
	6,0		6,88					7,16	7,61	7,97	F07210H00150031	●	
	8,0		8,98					9,31	9,82	10,23	F07210H00150032	●	
	10,0		11,07					11,44	12,00	12,45	F07210H00150033	●	
	12,0		13,15					13,56	14,17	14,64	F07210H00150034	●	
	14,0		15,22					15,67	16,32	16,82	F07210H00150035	●	
	15,0		16,26					16,72	17,39	17,90	F07210H00150036	●	
	16,0		17,29					17,77	18,45	18,97	F07210H00150037	●	
	18,0		19,36					19,86	20,58	21,12	F07210H00150038	●	
	20,0		21,42					21,95	22,70	23,26	F07210H00150039	●	
	22,0		23,48					24,03	24,81	25,38	F07210H00150040	●	
	24,0		25,53					26,11	26,92	27,50	F07210H00150041	●	
	25,0		26,56					27,15	27,97	28,55	F07210H00150042	●	
	4,0		4,77					4,99	5,35	5,66	F07210H00150043	●	
	5,0		5,83					6,08	6,49	6,82	F07210H00150044	●	
	6,0		6,88					7,16	7,61	7,97	F07210H00150045	●	
	8,0		8,98					9,31	9,82	10,23	F07210H00150046	●	
	10,0		11,07					11,44	12,00	12,45	F07210H00150047	●	
	12,0		13,15					13,56	14,17	14,64	F07210H00150048	●	
	14,0		15,22					15,67	16,32	16,82	F07210H00150049	●	
	15,0		16,26					16,72	17,39	17,90	F07210H00150050	●	
	16,0		17,29					17,77	18,45	18,97	F07210H00150051	●	
	18,0		19,36					19,86	20,58	21,12	F07210H00150052	●	
	20,0		21,42					21,95	22,70	23,26	F07210H00150053	●	
	22,0		23,48					24,03	24,81	25,38	F07210H00150054	●	
	24,0		25,53					26,11	26,92	27,50	F07210H00150055	●	
25,0	26,56	27,15	27,97	28,55	F07210H00150056	●							



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



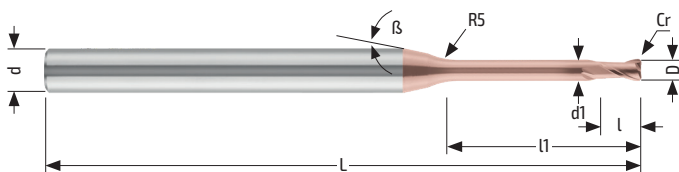
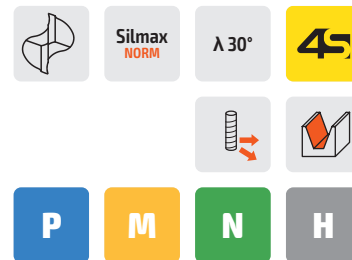
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**07210**

Fresa 2 taglienti torica per nervature  
 2 flute corner radius end mill for ribbing  
 Zweischneidige torische Fräser für Rippenbearbeitung  
 Micro fraise torique à deux dents pour nervures



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,10	3,00	4,0	1,90	12	50	4	4,91	5,10	5,42	5,70	F07210H00200011	○
			5,0					5,96	6,18	6,54	6,86	F07210H00200012	○
			6,0					7,01	7,25	7,66	8,00	F07210H00200013	○
			8,0					9,09	9,39	9,86	10,25	F07210H00200014	○
			10,0					11,17	11,51	12,04	12,47	F07210H00200015	○
			12,0					13,24	13,62	14,20	14,66	F07210H00200016	○
			14,0					15,31	15,73	16,35	16,83	F07210H00200017	○
			15,0					16,34	16,77	17,42	17,92	F07210H00200018	○
			16,0					17,38	17,82	18,48	18,99	F07210H00200019	○
			18,0					19,44	19,91	20,61	21,14	F07210H00200020	○
			20,0					21,50	22,00	22,73	23,27	F07210H00200021	○
			22,0					23,55	24,08	24,84	25,40	F07210H00200022	○
	24,0	25,61	26,16	26,94	27,51	F07210H00200023	○						
	25,0	26,63	27,19	27,99	28,57	F07210H00200024	○						
	4,0	0,20	3,00	1,90	12	50	4	4,91	5,10	5,42	5,70	F07210H00200001	●
	5,0							5,96	6,18	6,54	6,86	F07210H00200025	●
	6,0							7,01	7,25	7,66	8,00	F07210H00200026	●
	8,0							9,09	9,39	9,86	10,25	F07210H00200003	●
	10,0							11,17	11,51	12,04	12,47	F07210H00200027	●
	12,0							13,24	13,62	14,20	14,66	F07210H00200005	●
	14,0							15,31	15,73	16,35	16,83	F07210H00200028	●
	15,0							16,34	16,77	17,42	17,92	F07210H00200029	●
	16,0							17,38	17,82	18,48	18,99	F07210H00200007	●
	18,0							19,44	19,91	20,61	21,14	F07210H00200030	●
	20,0							21,50	22,00	22,73	23,27	F07210H00200009	●
	22,0							23,55	24,08	24,84	25,40	F07210H00200031	●
	24,0	25,61	26,16	26,94	27,51	F07210H00200032	●						
	25,0	26,63	27,19	27,99	28,57	F07210H00200033	●						
	4,0	0,30	3,00	1,90	12	50	4	4,91	5,10	5,42	5,70	F07210H00200034	●
	5,0							5,96	6,18	6,54	6,86	F07210H00200035	●
	6,0							7,01	7,25	7,66	8,00	F07210H00200036	●
	8,0							9,09	9,39	9,86	10,25	F07210H00200037	●
	10,0							11,17	11,51	12,04	12,47	F07210H00200038	●
	12,0							13,24	13,62	14,20	14,66	F07210H00200039	●
	14,0							15,31	15,73	16,35	16,83	F07210H00200040	●
	15,0							16,34	16,77	17,42	17,92	F07210H00200041	●
	16,0							17,38	17,82	18,48	18,99	F07210H00200042	●
	18,0							19,44	19,91	20,61	21,14	F07210H00200043	●
	20,0							21,50	22,00	22,73	23,27	F07210H00200044	●
	22,0							23,55	24,08	24,84	25,40	F07210H00200045	●
	24,0	25,61	26,16	26,94	27,51	F07210H00200046	●						
	25,0	26,63	27,19	27,99	28,57	F07210H00200047	●						

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



07210

Cr	D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock				
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
2,00	0,50	3,00	1,90	4,0	12	50	4,91	5,10	5,42	5,70	F07210H00200002	●						
				5,0			5,96	6,18	6,54	6,86	F07210H00200048	●						
				6,0			7,01	7,25	7,66	8,00	F07210H00200049	●						
				8,0			9,09	9,39	9,86	10,25	F07210H00200004	●						
				10,0			11,17	11,51	12,04	12,47	F07210H00200050	●						
				12,0			13,24	13,62	14,20	14,66	F07210H00200006	●						
				14,0			15,31	15,73	16,35	16,83	F07210H00200051	●						
				15,0			16,34	16,77	17,42	17,92	F07210H00200052	●						
				16,0			17,38	17,82	18,48	18,99	F07210H00200008	●						
				18,0			19,44	19,91	20,61	21,14	F07210H00200053	●						
				20,0			21,50	22,00	22,73	23,27	F07210H00200010	●						
				22,0			23,55	24,08	24,84	25,40	F07210H00200054	●						
				24,0			25,61	26,16	26,94	27,51	F07210H00200055	●						
				25,0			26,63	27,19	27,99	28,57	F07210H00200056	●						
				2,50			0,10	3,75	2,40	6,0	12	60	7,00	7,23	7,63	7,97	F07210H00250009	○
										8,0			9,08	9,37	9,84	10,22	F07210H00250010	○
										10,0			11,16	11,50	12,02	12,44	F07210H00250011	○
										12,0			13,23	13,61	14,18	14,64	F07210H00250012	○
										14,0			15,30	15,71	16,33	16,81	F07210H00250013	○
										15,0			16,34	16,76	17,40	17,90	F07210H00250014	○
										16,0			17,37	17,81	18,47	18,97	F07210H00250015	○
										18,0			19,43	19,90	20,60	21,12	F07210H00250016	○
										20,0			21,49	21,99	22,71	23,26	F07210H00250017	○
										22,0			23,54	24,07	24,82	25,38	F07210H00250018	○
										24,0			25,60	26,15	26,93	27,50	F07210H00250019	○
25,0	26,63	27,19	27,98		28,55	F07210H00250020				○								
0,20	3,75	2,40	6,0		12	60	7,00	7,23	7,63	7,97			F07210H00250021	○				
			8,0				9,08	9,37	9,84	10,22			F07210H00250001	○				
			10,0				11,16	11,50	12,02	12,44			F07210H00250022	○				
			12,0				13,23	13,61	14,18	14,64			F07210H00250003	○				
			14,0				15,30	15,71	16,33	16,81			F07210H00250023	○				
			15,0				16,34	16,76	17,40	17,90			F07210H00250024	○				
			16,0				17,37	17,81	18,47	18,97			F07210H00250005	○				
			18,0				19,43	19,90	20,60	21,12			F07210H00250025	○				
			20,0				21,49	21,99	22,71	23,26			F07210H00250007	○				
			22,0				23,54	24,07	24,82	25,38			F07210H00250026	○				
			24,0				25,60	26,15	26,93	27,50			F07210H00250027	○				
			25,0				26,63	27,19	27,98	28,55			F07210H00250028	○				
			0,30				3,75	2,40	6,0	12			60	7,00	7,23	7,63	7,97	F07210H00250029
8,0	9,08	9,37		9,84					10,22		F07210H00250030	●						
10,0	11,16	11,50		12,02					12,44		F07210H00250031	●						
12,0	13,23	13,61		14,18					14,64		F07210H00250032	●						
14,0	15,30	15,71		16,33					16,81		F07210H00250033	●						
15,0	16,34	16,76		17,40					17,90		F07210H00250034	●						
16,0	17,37	17,81		18,47					18,97		F07210H00250035	●						
18,0	19,43	19,90		20,60					21,12		F07210H00250036	●						
20,0	21,49	21,99		22,71					23,26		F07210H00250037	●						
22,0	23,54	24,07		24,82					25,38		F07210H00250038	●						
24,0	25,60	26,15	26,93	27,50			F07210H00250039	●										
25,0	26,63	27,19	27,98	28,55			F07210H00250040	●										



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



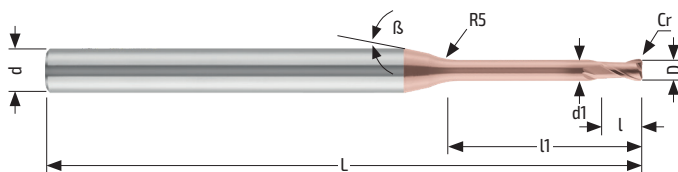
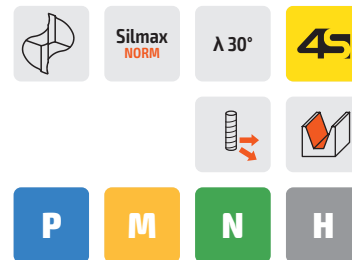
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**07210**

Fresa 2 taglienti torica per nervature  
 2 flute corner radius end mill for ribbing  
 Zweischneidige torische Fräser für Rippenbearbeitung  
 Micro fraise torique à deux dents pour nervures



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	0,50	3,75	6,0	2,40	12	60	4	7,00	7,23	7,63	7,97	F07210H00250041	●
			8,0					9,08	9,37	9,84	10,22	F07210H00250002	●
			10,0					11,16	11,50	12,02	12,44	F07210H00250042	●
			12,0					13,23	13,61	14,18	14,64	F07210H00250004	●
			14,0					15,30	15,71	16,33	16,81	F07210H00250043	●
			15,0					16,34	16,76	17,40	17,90	F07210H00250044	●
			16,0					17,37	17,81	18,47	18,97	F07210H00250006	●
			18,0					19,43	19,90	20,60	21,12	F07210H00250045	●
			20,0					21,49	21,99	22,71	23,26	F07210H00250008	●
			22,0					23,54	24,07	24,82	25,38	F07210H00250046	●
	24,0	25,60	26,15	26,93	27,50	F07210H00250047	●						
	25,0	26,63	27,19	27,98	28,55	F07210H00250048	●						
	1,00	3,75	6,0	7,00	7,23	7,63	7,97	F07210H00250049	●				
			8,0	9,08	9,37	9,84	10,22	F07210H00250050	●				
			10,0	11,16	11,50	12,02	12,44	F07210H00250051	●				
			12,0	13,23	13,61	14,18	14,64	F07210H00250052	●				
			14,0	15,30	15,71	16,33	16,81	F07210H00250053	●				
			15,0	16,34	16,76	17,40	17,90	F07210H00250054	●				
			16,0	17,37	17,81	18,47	18,97	F07210H00250055	●				
			18,0	19,43	19,90	20,60	21,12	F07210H00250056	●				
20,0			21,49	21,99	22,71	23,26	F07210H00250057	●					
22,0			23,54	24,07	24,82	25,38	F07210H00250058	●					
24,0	25,60	26,15	26,93	27,50	F07210H00250059	●							
25,0	26,63	27,19	27,98	28,55	F07210H00250060	●							

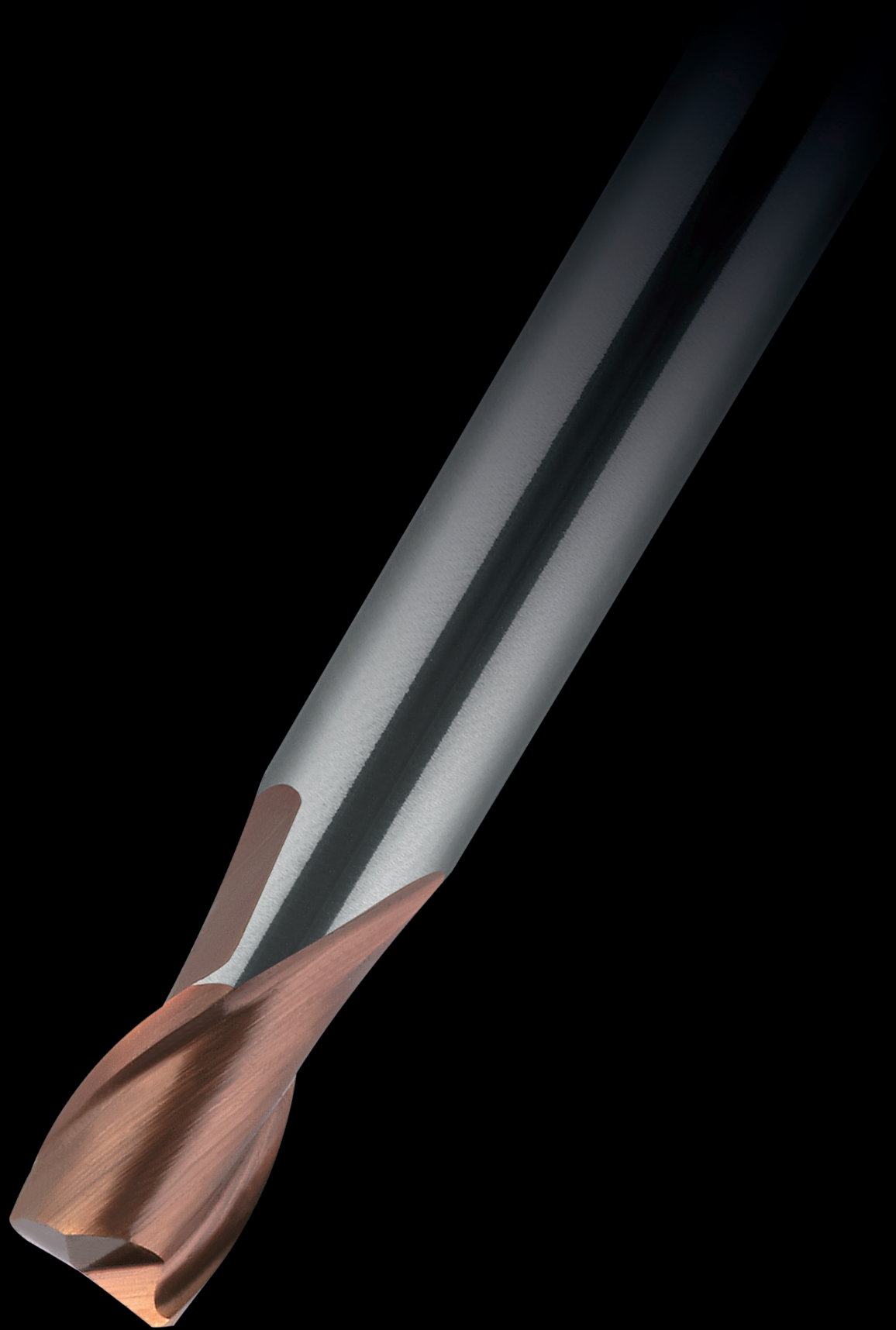
- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



07210





**06210**

Fresa 2 taglienti torica per nervature con gambo rinforzato  
 2 flute corner radius end mill for ribbing with reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcé

Silmax  
NORM

λ 30°

4S

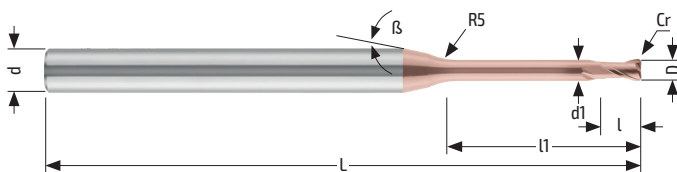


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock	
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
0,50	0,05	0,75	0,45	12	12	50	6	1,61	1,71	1,91	2,10	F06210H00050007	●	
								2,68	2,83	3,11	3,36	F06210H00050008	●	
								3,74	3,94	4,28	4,57	F06210H00050009	●	
								4,80	5,04	5,42	5,74	F06210H00050010	●	
								5,86	6,12	6,55	6,90	F06210H00050011	●	
								6,91	7,20	7,66	8,04	F06210H00050012	⦿	
								9,00	9,34	9,87	10,28	F06210H00050013	⦿	
								11,09	11,47	12,04	12,50	F06210H00050014	⦿	
	0,10	0,75	0,45	12	12	50	6	1,61	1,71	1,91	2,10	F06210H00050001	●	
								2,68	2,83	3,11	3,36	F06210H00050002	●	
								3,74	3,94	4,28	4,57	F06210H00050003	●	
								4,80	5,04	5,42	5,74	F06210H00050004	●	
								5,86	6,12	6,55	6,90	F06210H00050005	●	
								6,91	7,20	7,66	8,04	F06210H00050006	⦿	
								9,00	9,34	9,87	10,28	F06210H00050015	⦿	
								11,09	11,47	12,04	12,50	F06210H00050016	⦿	
0,60	0,05	0,90	0,55	12	12	50	6	2,67	2,83	3,10	3,35	F06210H00060005	●	
								3,74	3,94	4,27	4,56	F06210H00060006	●	
								4,80	5,03	5,41	5,73	F06210H00060007	●	
								5,85	6,12	6,54	6,89	F06210H00060008	●	
								6,91	7,20	7,66	8,03	F06210H00060009	●	
								9,00	9,34	9,86	10,28	F06210H00060010	⦿	
								11,08	11,47	12,04	12,49	F06210H00060011	⦿	
								0,10	0,90	0,55	12	12	50	6
	3,74	3,94	4,27	4,56	F06210H00060012	●								
	4,80	5,03	5,41	5,73	F06210H00060002	●								
	5,85	6,12	6,54	6,89	F06210H00060013	●								
	6,91	7,20	7,66	8,03	F06210H00060003	●								
	9,00	9,34	9,86	10,28	F06210H00060004	⦿								
	11,08	11,47	12,04	12,49	F06210H00060014	⦿								
	0,80	0,05	1,20	0,75	12	12	50							
								3,73	3,93	4,25	4,54	F06210H00080007	●	
4,79								5,02	5,40	5,72	F06210H00080008	●		
5,85								6,11	6,53	6,88	F06210H00080009	●		
6,90								7,19	7,64	8,02	F06210H00080010	●		
9,00								9,33	9,85	10,27	F06210H00080011	●		
15					12	50	6	11,08	11,46	12,03	12,48	F06210H00080012	⦿	
								13,16	13,58	14,19	14,67	F06210H00080013	⦿	

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



06210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock	
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
0,80	0,10	1,20	2,0	0,75	12	50	6	2,67	2,82	3,08	3,33	F06210H00080014	●	
			3,0					3,73	3,93	4,25	4,54	F06210H00080015	●	
			4,0					4,79	5,02	5,40	5,72	F06210H00080016	●	
			5,0					5,85	6,11	6,53	6,88	F06210H00080017	●	
			6,0					6,90	7,19	7,64	8,02	F06210H00080018	●	
			8,0					9,00	9,33	9,85	10,27	F06210H00080019	●	
		10,0	11,08		11,46			12,03	12,48	F06210H00080020	●			
		12,0	13,16		13,58			14,19	14,67	F06210H00080021	●			
		0,20	1,20		2,0			12	2,67	2,82	3,08	3,33	F06210H00080001	●
					3,0				3,73	3,93	4,25	4,54	F06210H00080022	●
					4,0				4,79	5,02	5,40	5,72	F06210H00080002	●
					5,0				5,85	6,11	6,53	6,88	F06210H00080023	●
	6,0			6,90	7,19	7,64			8,02	F06210H00080003	●			
	8,0			9,00	9,33	9,85			10,27	F06210H00080004	●			
	1,00	0,10	1,50	2,0	0,95	12		50	2,66	2,81	3,07	3,30	F06210H00100011	●
				4,0					4,79	5,01	5,39	5,70	F06210H00100012	●
				5,0					5,84	6,10	6,52	6,86	F06210H00100013	●
				6,0					6,90	7,18	7,63	8,00	F06210H00100014	●
				8,0					8,99	9,33	9,84	10,25	F06210H00100015	●
				10,0					11,08	11,45	12,02	12,47	F06210H00100016	●
			12,0	13,16		13,57			14,19	14,66	F06210H00100017	●		
			14,0	15,23		15,68			16,33	16,84	F06210H00100018	●		
			15,0	16,26		16,73			17,40	17,92	F06210H00100019	●		
			16,0	17,30		17,78			18,47	18,99	F06210H00100020	●		
18,0			19,36	19,87		20,60	21,14		F06210H00100021	●				
20,0			21,43	21,96		22,71	23,27		F06210H00100022	●				
0,20	1,50	1,50	2,0	12	15	50	2,66	2,81	3,07	3,30	F06210H00100001	●		
			4,0				4,79	5,01	5,39	5,70	F06210H00100002	●		
			5,0				5,84	6,10	6,52	6,86	F06210H00100023	●		
			6,0				6,90	7,18	7,63	8,00	F06210H00100003	●		
			8,0				8,99	9,33	9,84	10,25	F06210H00100004	●		
			10,0				11,08	11,45	12,02	12,47	F06210H00100005	●		
		12,0	13,16		13,57		14,19	14,66	F06210H00100006	●				
		14,0	15,23		15,68		16,33	16,84	F06210H00100007	●				
		15,0	16,26		16,73		17,40	17,92	F06210H00100024	●				
		16,0	17,30		17,78		18,47	18,99	F06210H00100008	●				
		18,0	19,36		19,87		20,60	21,14	F06210H00100009	●				
		20,0	21,43		21,96		22,71	23,27	F06210H00100010	●				
0,30	1,50	1,50	2,0	12	15	50	2,66	2,81	3,07	3,30	F06210H00100025	○		
			4,0				4,79	5,01	5,39	5,70	F06210H00100026	○		
			5,0				5,84	6,10	6,52	6,86	F06210H00100027	○		
			6,0				6,90	7,18	7,63	8,00	F06210H00100028	○		
			8,0				8,99	9,33	9,84	10,25	F06210H00100029	○		
			10,0				11,08	11,45	12,02	12,47	F06210H00100030	○		
		12,0	13,16		13,57		14,19	14,66	F06210H00100031	○				
		14,0	15,23		15,68		16,33	16,84	F06210H00100032	○				
		15,0	16,26		16,73		17,40	17,92	F06210H00100033	○				
		16,0	17,30		17,78		18,47	18,99	F06210H00100034	○				
		18,0	19,36		19,87		20,60	21,14	F06210H00100035	○				
		20,0	21,43		21,96		22,71	23,27	F06210H00100036	○				



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**06210**

Fresa 2 taglienti torica per nervature con gambo rinforzato

2 flute corner radius end mill for ribbing with reinforced shank

Zweischneidige torische Fräser für Rippenbearbeitung mit verstärktem Schaft

Fraise torique à deux dents pour nervures, queue renforcé

Silmax  
NORM

λ 30°

4S

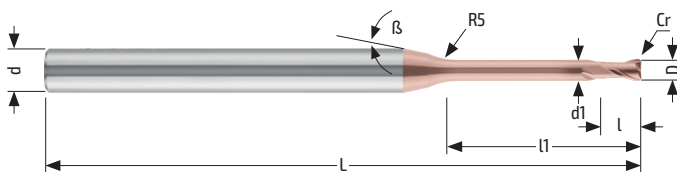


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,20	0,10	1,80	12	50	1,15	6	6	2,65	2,79	3,05	3,28	F06210H00120006	○
								4,78	5,00	5,37	5,68	F06210H00120007	○
								5,84	6,09	6,50	6,85	F06210H00120008	○
								6,89	7,17	7,62	7,99	F06210H00120009	○
								8,99	9,32	9,83	10,24	F06210H00120010	○
								11,07	11,45	12,01	12,46	F06210H00120011	○
			13,15	13,57				14,18	14,65	F06210H00120012	○		
			15,23	15,67				16,33	16,83	F06210H00120013	○		
			16,26	16,72				17,40	17,91	F06210H00120014	○		
			17,30	17,77				18,46	18,99	F06210H00120015	○		
			19,36	19,87				20,59	21,13	F06210H00120016	○		
			21,42	21,95				22,71	23,27	F06210H00120017	○		
	2,65	2,79	3,05	3,28	F06210H00120018	●							
	4,78	5,00	5,37	5,68	F06210H00120001	●							
	5,84	6,09	6,50	6,85	F06210H00120019	●							
	6,89	7,17	7,62	7,99	F06210H00120020	●							
	8,99	9,32	9,83	10,24	F06210H00120002	●							
	11,07	11,45	12,01	12,46	F06210H00120021	●							
	13,15	13,57	14,18	14,65	F06210H00120003	●							
	15,23	15,67	16,33	16,83	F06210H00120022	●							
	16,26	16,72	17,40	17,91	F06210H00120004	●							
	17,30	17,77	18,46	18,99	F06210H00120023	●							
	19,36	19,87	20,59	21,13	F06210H00120024	●							
	21,42	21,95	22,71	23,27	F06210H00120005	●							
	2,65	2,79	3,05	3,28	F06210H00120025	●							
	4,78	5,00	5,37	5,68	F06210H00120026	●							
	5,84	6,09	6,50	6,85	F06210H00120027	●							
	6,89	7,17	7,62	7,99	F06210H00120028	●							
	8,99	9,32	9,83	10,24	F06210H00120029	●							
	11,07	11,45	12,01	12,46	F06210H00120030	●							
	13,15	13,57	14,18	14,65	F06210H00120031	●							
	15,23	15,67	16,33	16,83	F06210H00120032	●							
	16,26	16,72	17,40	17,91	F06210H00120033	●							
	17,30	17,77	18,46	18,99	F06210H00120034	●							
	19,36	19,87	20,59	21,13	F06210H00120035	●							
	21,42	21,95	22,71	23,27	F06210H00120036	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



06210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock						
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°								
1,50	0,10	2,25	4,0	1,45		12	50	6	4,77	4,99	5,35	5,66	F06210H00150006	○					
			5,83						6,08	6,49	6,82	F06210H00150007	○						
			6,88						7,16	7,61	7,97	F06210H00150008	○						
			8,98						9,31	9,82	10,23	F06210H00150009	○						
			11,07						11,44	12,00	12,45	F06210H00150010	○						
			13,15						13,56	14,17	14,64	F06210H00150011	○						
			15,22						15,67	16,32	16,82	F06210H00150012	○						
			16,26						16,72	17,39	17,90	F06210H00150013	○						
			17,29						17,77	18,45	18,97	F06210H00150014	○						
			19,36						19,86	20,58	21,12	F06210H00150015	○						
			21,42			21,95	22,70		23,26	F06210H00150016	○								
			23,48			24,03	24,81		25,38	F06210H00150017	○								
			25,53			26,11	26,92		27,50	F06210H00150018	○								
			26,56			27,15	27,97		28,55	F06210H00150019	○								
			4,0			0,20	2,25		1,45		12	50	6	4,77	4,99	5,35	5,66	F06210H00150001	●
			5,83											6,08	6,49	6,82	F06210H00150020	●	
			6,88											7,16	7,61	7,97	F06210H00150021	●	
			8,98											9,31	9,82	10,23	F06210H00150002	●	
			11,07											11,44	12,00	12,45	F06210H00150022	●	
			13,15											13,56	14,17	14,64	F06210H00150003	●	
	15,22	15,67	16,32	16,82	F06210H00150023			●											
	16,26	16,72	17,39	17,90	F06210H00150004			●											
	17,29	17,77	18,45	18,97	F06210H00150024			●											
	19,36	19,86	20,58	21,12	F06210H00150025			●											
	21,42	21,95	22,70	23,26	F06210H00150005			●											
	23,48	24,03	24,81	25,38	F06210H00150026			●											
	25,53	26,11	26,92	27,50	F06210H00150027			●											
	26,56	27,15	27,97	28,55	F06210H00150028			●											
	4,0	0,30	2,25	1,45				12			50	6		4,77	4,99	5,35	5,66	F06210H00150029	●
	5,83													6,08	6,49	6,82	F06210H00150030	●	
	6,88													7,16	7,61	7,97	F06210H00150031	●	
	8,98													9,31	9,82	10,23	F06210H00150032	●	
	11,07													11,44	12,00	12,45	F06210H00150033	●	
	13,15													13,56	14,17	14,64	F06210H00150034	●	
	15,22					15,67	16,32		16,82	F06210H00150035			●						
	16,26					16,72	17,39		17,90	F06210H00150036			●						
	17,29					17,77	18,45		18,97	F06210H00150037			●						
	19,36					19,86	20,58		21,12	F06210H00150038			●						
	21,42					21,95	22,70	23,26	F06210H00150039	●									
	23,48					24,03	24,81	25,38	F06210H00150040	●									
	25,53					26,11	26,92	27,50	F06210H00150041	●									
	26,56					27,15	27,97	28,55	F06210H00150042	●									
	4,0					0,50	2,25	1,45		12	50		6	4,77	4,99	5,35	5,66	F06210H00150043	○
	5,83													6,08	6,49	6,82	F06210H00150044	○	
	6,88													7,16	7,61	7,97	F06210H00150045	○	
	8,98													9,31	9,82	10,23	F06210H00150046	○	
	11,07													11,44	12,00	12,45	F06210H00150047	○	
	13,15													13,56	14,17	14,64	F06210H00150048	○	
	15,22	15,67	16,32	16,82	F06210H00150049							○							
	16,26	16,72	17,39	17,90	F06210H00150050							○							
	17,29	17,77	18,45	18,97	F06210H00150051							○							
	19,36	19,86	20,58	21,12	F06210H00150052							○							
	21,42	21,95	22,70	23,26	F06210H00150053					○									
	23,48	24,03	24,81	25,38	F06210H00150054					○									
	25,53	26,11	26,92	27,50	F06210H00150055					○									
	26,56	27,15	27,97	28,55	F06210H00150056					○									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**06210**

Fresa 2 taglienti torica per nervature con gambo rinforzato

2 flute corner radius end mill for ribbing with reinforced shank

Zweischneidige torische Fräser für Rippenbearbeitung mit verstärktem Schaft

Fraise torique à deux dents pour nervures, queue renforcé

Silmax  
NORM

λ 30°

4S

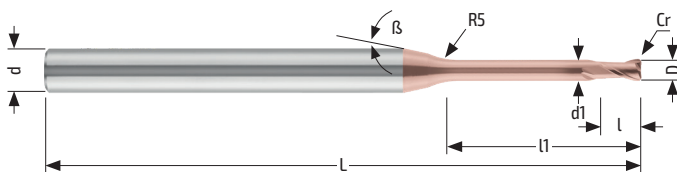


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,10	3,00	12	1,90	12	50	6	4,91	5,10	5,42	5,70	F06210H00200011	○
								5,96	6,18	6,54	6,86	F06210H00200012	○
								7,01	7,25	7,66	8,00	F06210H00200013	○
								9,09	9,39	9,86	10,25	F06210H00200014	○
								11,17	11,51	12,04	12,47	F06210H00200015	○
								13,24	13,62	14,20	14,66	F06210H00200016	○
								15,31	15,73	16,35	16,83	F06210H00200017	○
								16,34	16,77	17,42	17,92	F06210H00200018	○
								17,38	17,82	18,48	18,99	F06210H00200019	○
								19,44	19,91	20,61	21,14	F06210H00200020	○
								21,50	22,00	22,73	23,27	F06210H00200021	○
								23,55	24,08	24,84	25,40	F06210H00200022	○
	25,61	26,16	26,94	27,51	F06210H00200023	○							
	26,63	27,19	27,99	28,57	F06210H00200024	○							
	4,91	5,10	5,42	5,70	F06210H00200001	●							
	5,96	6,18	6,54	6,86	F06210H00200025	●							
	7,01	7,25	7,66	8,00	F06210H00200026	●							
	9,09	9,39	9,86	10,25	F06210H00200003	●							
	11,17	11,51	12,04	12,47	F06210H00200027	●							
	13,24	13,62	14,20	14,66	F06210H00200005	●							
	15,31	15,73	16,35	16,83	F06210H00200028	●							
	16,34	16,77	17,42	17,92	F06210H00200029	●							
	17,38	17,82	18,48	18,99	F06210H00200007	●							
	19,44	19,91	20,61	21,14	F06210H00200030	●							
21,50	22,00	22,73	23,27	F06210H00200009	●								
23,55	24,08	24,84	25,40	F06210H00200031	●								
25,61	26,16	26,94	27,51	F06210H00200032	●								
26,63	27,19	27,99	28,57	F06210H00200033	●								
4,91	5,10	5,42	5,70	F06210H00200034	●								
5,96	6,18	6,54	6,86	F06210H00200035	●								
7,01	7,25	7,66	8,00	F06210H00200036	●								
9,09	9,39	9,86	10,25	F06210H00200037	●								
11,17	11,51	12,04	12,47	F06210H00200038	●								
13,24	13,62	14,20	14,66	F06210H00200039	●								
15,31	15,73	16,35	16,83	F06210H00200040	●								
16,34	16,77	17,42	17,92	F06210H00200041	●								
17,38	17,82	18,48	18,99	F06210H00200042	●								
19,44	19,91	20,61	21,14	F06210H00200043	●								
21,50	22,00	22,73	23,27	F06210H00200044	●								
23,55	24,08	24,84	25,40	F06210H00200045	●								
25,61	26,16	26,94	27,51	F06210H00200046	●								
26,63	27,19	27,99	28,57	F06210H00200047	●								

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



06210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock					
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,00	0,50	3,00	1,90	12	50	4,0	4,91	5,10	5,42	5,70	F06210H00200002	●						
						5,0	5,96	6,18	6,54	6,86	F06210H00200048	●						
						6,0	7,01	7,25	7,66	8,00	F06210H00200049	●						
						8,0	9,09	9,39	9,86	10,25	F06210H00200004	●						
						10,0	11,17	11,51	12,04	12,47	F06210H00200050	●						
						12,0	13,24	13,62	14,20	14,66	F06210H00200006	●						
						14,0	15,31	15,73	16,35	16,83	F06210H00200051	●						
						15,0	16,34	16,77	17,42	17,92	F06210H00200052	●						
						16,0	17,38	17,82	18,48	18,99	F06210H00200008	●						
						18,0	19,44	19,91	20,61	21,14	F06210H00200053	●						
						20,0	21,50	22,00	22,73	23,27	F06210H00200010	●						
						22,0	23,55	24,08	24,84	25,40	F06210H00200054	●						
						24,0	25,61	26,16	26,94	27,51	F06210H00200055	●						
						25,0	26,63	27,19	27,99	28,57	F06210H00200056	●						
						2,50	0,20	3,75	12	20	6	6,0	7,00	7,23	7,63	7,97	F06210H00250021	○
												8,0	9,08	9,37	9,84	10,22	F06210H00250001	○
10,0	11,16	11,50	12,02	12,44	F06210H00250022							○						
12,0	13,23	13,61	14,18	14,64	F06210H00250003							○						
14,0	15,30	15,71	16,33	16,81	F06210H00250023							○						
15,0	16,34	16,76	17,40	17,90	F06210H00250024							○						
16,0	17,37	17,81	18,47	18,97	F06210H00250005							○						
18,0	19,43	19,90	20,60	21,12	F06210H00250025							○						
20,0	21,49	21,99	22,71	23,26	F06210H00250007							○						
22,0	23,54	24,07	24,82	25,38	F06210H00250026							○						
24,0	25,60	26,15	26,93	27,50	F06210H00250027							○						
25,0	26,63	27,19	27,98	28,55	F06210H00250028							○						
0,30	3,75	2,40	12	20	60		7,00	7,23	7,63	7,97	F06210H00250029	●						
							8,0	9,08	9,37	9,84	10,22	F06210H00250030	●					
							10,0	11,16	11,50	12,02	12,44	F06210H00250031	●					
							12,0	13,23	13,61	14,18	14,64	F06210H00250032	●					
							14,0	15,30	15,71	16,33	16,81	F06210H00250033	●					
							15,0	16,34	16,76	17,40	17,90	F06210H00250034	●					
							16,0	17,37	17,81	18,47	18,97	F06210H00250035	●					
							18,0	19,43	19,90	20,60	21,12	F06210H00250036	●					
							20,0	21,49	21,99	22,71	23,26	F06210H00250037	●					
							22,0	23,54	24,07	24,82	25,38	F06210H00250038	●					
							24,0	25,60	26,15	26,93	27,50	F06210H00250039	●					
							25,0	26,63	27,19	27,98	28,55	F06210H00250040	●					
0,50	3,75	12	20	60	12	6,0	7,00	7,23	7,63	7,97	F06210H00250041	●						
						8,0	9,08	9,37	9,84	10,22	F06210H00250002	●						
						10,0	11,16	11,50	12,02	12,44	F06210H00250042	●						
						12,0	13,23	13,61	14,18	14,64	F06210H00250004	●						
						14,0	15,30	15,71	16,33	16,81	F06210H00250043	●						
						15,0	16,34	16,76	17,40	17,90	F06210H00250044	●						
						16,0	17,37	17,81	18,47	18,97	F06210H00250006	●						
						18,0	19,43	19,90	20,60	21,12	F06210H00250045	●						
						20,0	21,49	21,99	22,71	23,26	F06210H00250008	●						
						22,0	23,54	24,07	24,82	25,38	F06210H00250046	●						
						24,0	25,60	26,15	26,93	27,50	F06210H00250047	●						
						25,0	26,63	27,19	27,98	28,55	F06210H00250048	●						



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**06210**

Fresa 2 taglienti torica per nervature con gambo rinforzato  
 2 flute corner radius end mill for ribbing with reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcé

Silmax  
NORM

λ 30°

4S

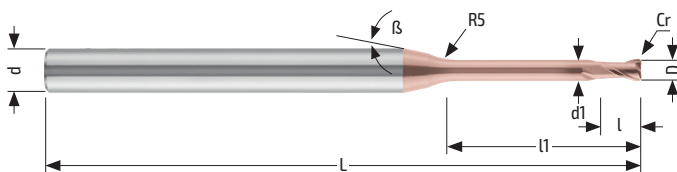


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock				
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
2,50	1,00	3,75	2,40	12	60	6,0	7,00	7,23	7,63	7,97	F06210H00250049	●					
						8,0	9,08	9,37	9,84	10,22	F06210H00250050	●					
						10,0	11,16	11,50	12,02	12,44	F06210H00250051	●					
						12,0	13,23	13,61	14,18	14,64	F06210H00250052	●					
						14,0	15,30	15,71	16,33	16,81	F06210H00250053	●					
						15,0	16,34	16,76	17,40	17,90	F06210H00250054	●					
						16,0	17,37	17,81	18,47	18,97	F06210H00250055	●					
						20,0	21,49	21,99	22,71	23,26	F06210H00250056	●					
						22,0	23,54	24,07	24,82	25,38	F06210H00250058	●					
						24,0	25,60	26,15	26,93	27,50	F06210H00250059	●					
						25,0	26,63	27,19	27,98	28,55	F06210H00250060	●					
						3,00	0,10	4,50	12	60	8,0	9,07	9,36	9,82	10,20	F06210H00300007	○
											10,0	11,15	11,48	12,00	12,42	F06210H00300008	○
											12,0	13,22	13,60	14,17	14,62	F06210H00300011	○
14,0	15,29	15,70	16,32	16,79	F06210H00300012						○						
16,0	17,36	17,80	18,45	18,96	F06210H00300013						○						
18,0	19,42	19,89	20,58	21,10	F06210H00300014						○						
20,0	21,48	21,98	22,70	23,24	F06210H00300015						○						
22,0	23,54	24,06	24,81	25,37	F06210H00300016						○						
25,0	26,62	27,18	27,97	28,54	F06210H00300017						○						
28,0	29,70	30,29	31,11	31,70	F06210H00300018						○						
0,20	4,50	12	60	8,0	9,07		9,36	9,82	10,20	F06210H00300001	○						
				10,0	11,15		11,48	12,00	12,42	F06210H00300022	○						
				12,0	13,22		13,60	14,17	14,62	F06210H00300003	○						
				14,0	15,29		15,70	16,32	16,79	F06210H00300023	○						
				16,0	17,36		17,80	18,45	18,96	F06210H00300005	○						
				18,0	19,42		19,89	20,58	21,10	F06210H00300024	○						
				20,0	21,48		21,98	22,70	23,24	F06210H00300025	○						
				22,0	23,54		24,06	24,81	25,37	F06210H00300026	○						
				25,0	26,62		27,18	27,97	28,54	F06210H00300027	○						
				28,0	29,70		30,29	31,11	31,70	F06210H00300028	○						
0,20	4,50	12	78	8,0	9,07	9,36	9,82	10,20	F06210H00300001	○							
				10,0	11,15	11,48	12,00	12,42	F06210H00300022	○							
				12,0	13,22	13,60	14,17	14,62	F06210H00300003	○							
				14,0	15,29	15,70	16,32	16,79	F06210H00300023	○							
				16,0	17,36	17,80	18,45	18,96	F06210H00300005	○							
				18,0	19,42	19,89	20,58	21,10	F06210H00300024	○							
				20,0	21,48	21,98	22,70	23,24	F06210H00300025	○							
				22,0	23,54	24,06	24,81	25,37	F06210H00300026	○							
				25,0	26,62	27,18	27,97	28,54	F06210H00300027	○							
				28,0	29,70	30,29	31,11	31,70	F06210H00300028	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



06210



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,30	4,50		2,90	12	60	6	9,07	9,36	9,82	10,20	F06210H00300031	●
								11,15	11,48	12,00	12,42	F06210H00300032	●
								13,22	13,60	14,17	14,62	F06210H00300033	●
								15,29	15,70	16,32	16,79	F06210H00300034	●
								17,36	17,80	18,45	18,96	F06210H00300035	●
								19,42	19,89	20,58	21,10	F06210H00300036	●
								21,48	21,98	22,70	23,24	F06210H00300037	●
								23,54	24,06	24,81	25,37	F06210H00300038	●
								26,62	27,18	27,97	28,54	F06210H00300039	●
								29,70	30,29	31,11	31,70	F06210H00300040	⊖
								31,74	32,35	33,20	33,80	F06210H00300041	⊖
								33,79	34,42	35,29	35,89	F06210H00300042	⊖
								36,86	37,52	38,41	39,01	F06210H00300043	⊖
								9,07	9,36	9,82	10,20	F06210H00300002	●
	11,15	11,48	12,00	12,42	F06210H00300044	●							
	13,22	13,60	14,17	14,62	F06210H00300004	●							
	15,29	15,70	16,32	16,79	F06210H00300045	●							
	17,36	17,80	18,45	18,96	F06210H00300006	●							
	19,42	19,89	20,58	21,10	F06210H00300046	●							
	21,48	21,98	22,70	23,24	F06210H00300047	●							
	23,54	24,06	24,81	25,37	F06210H00300048	●							
	26,62	27,18	27,97	28,54	F06210H00300049	●							
	29,70	30,29	31,11	31,70	F06210H00300050	⊖							
	31,74	32,35	33,20	33,80	F06210H00300010	⊖							
	33,79	34,42	35,29	35,89	F06210H00300051	⊖							
	36,86	37,52	38,41	39,01	F06210H00300052	⊖							
	9,07	9,36	9,82	10,20	F06210H00300053	●							
	11,15	11,48	12,00	12,42	F06210H00300054	●							
	13,22	13,60	14,17	14,62	F06210H00300055	●							
	15,29	15,70	16,32	16,79	F06210H00300056	●							
	17,36	17,80	18,45	18,96	F06210H00300057	●							
	19,42	19,89	20,58	21,10	F06210H00300058	●							
	21,48	21,98	22,70	23,24	F06210H00300059	●							
	23,54	24,06	24,81	25,37	F06210H00300060	●							
	26,62	27,18	27,97	28,54	F06210H00300061	●							
	29,70	30,29	31,11	31,70	F06210H00300062	⊖							
31,74	32,35	33,20	33,80	F06210H00300063	⊖								
33,79	34,42	35,29	35,89	F06210H00300064	⊖								
36,86	37,52	38,41	39,01	F06210H00300065	⊖								
	0,50	4,50		2,90	12	60	6	9,07	9,36	9,82	10,20	F06210H00300002	●
								11,15	11,48	12,00	12,42	F06210H00300044	●
								13,22	13,60	14,17	14,62	F06210H00300004	●
								15,29	15,70	16,32	16,79	F06210H00300045	●
								17,36	17,80	18,45	18,96	F06210H00300006	●
								19,42	19,89	20,58	21,10	F06210H00300046	●
								21,48	21,98	22,70	23,24	F06210H00300047	●
								23,54	24,06	24,81	25,37	F06210H00300048	●
								26,62	27,18	27,97	28,54	F06210H00300049	●
								29,70	30,29	31,11	31,70	F06210H00300050	⊖
								31,74	32,35	33,20	33,80	F06210H00300010	⊖
								33,79	34,42	35,29	35,89	F06210H00300051	⊖
								36,86	37,52	38,41	39,01	F06210H00300052	⊖
								9,07	9,36	9,82	10,20	F06210H00300053	●
11,15	11,48	12,00	12,42	F06210H00300054	●								
13,22	13,60	14,17	14,62	F06210H00300055	●								
15,29	15,70	16,32	16,79	F06210H00300056	●								
17,36	17,80	18,45	18,96	F06210H00300057	●								
19,42	19,89	20,58	21,10	F06210H00300058	●								
21,48	21,98	22,70	23,24	F06210H00300059	●								
23,54	24,06	24,81	25,37	F06210H00300060	●								
26,62	27,18	27,97	28,54	F06210H00300061	●								
29,70	30,29	31,11	31,70	F06210H00300062	⊖								
31,74	32,35	33,20	33,80	F06210H00300063	⊖								
33,79	34,42	35,29	35,89	F06210H00300064	⊖								
36,86	37,52	38,41	39,01	F06210H00300065	⊖								
	1,00	4,50		2,90	12	60	6	9,07	9,36	9,82	10,20	F06210H00300053	●
								11,15	11,48	12,00	12,42	F06210H00300054	●
								13,22	13,60	14,17	14,62	F06210H00300055	●
								15,29	15,70	16,32	16,79	F06210H00300056	●
								17,36	17,80	18,45	18,96	F06210H00300057	●
								19,42	19,89	20,58	21,10	F06210H00300058	●
								21,48	21,98	22,70	23,24	F06210H00300059	●
								23,54	24,06	24,81	25,37	F06210H00300060	●
								26,62	27,18	27,97	28,54	F06210H00300061	●
								29,70	30,29	31,11	31,70	F06210H00300062	⊖
								31,74	32,35	33,20	33,80	F06210H00300063	⊖
								33,79	34,42	35,29	35,89	F06210H00300064	⊖
								36,86	37,52	38,41	39,01	F06210H00300065	⊖
								9,07	9,36	9,82	10,20	F06210H00300002	●
11,15	11,48	12,00	12,42	F06210H00300044	●								
13,22	13,60	14,17	14,62	F06210H00300004	●								
15,29	15,70	16,32	16,79	F06210H00300045	●								
17,36	17,80	18,45	18,96	F06210H00300006	●								
19,42	19,89	20,58	21,10	F06210H00300046	●								
21,48	21,98	22,70	23,24	F06210H00300047	●								
23,54	24,06	24,81	25,37	F06210H00300048	●								
26,62	27,18	27,97	28,54	F06210H00300049	●								
29,70	30,29	31,11	31,70	F06210H00300050	⊖								
31,74	32,35	33,20	33,80	F06210H00300010	⊖								
33,79	34,42	35,29	35,89	F06210H00300051	⊖								
36,86	37,52	38,41	39,01	F06210H00300052	⊖								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

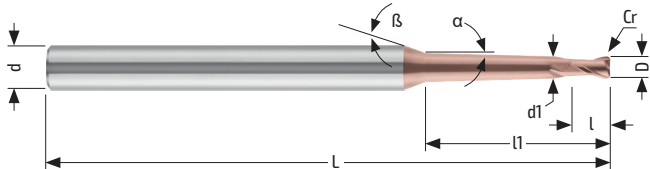


Non ISO  
Not ISO



# 05210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
0,50	0,05	0,75	2,0	0,45	15	50	6	6	2,12	2,20	2,36	2,54	F05210H00050003	●			
									2,08	2,15	2,31	2,49	F05210H00050013	●			
									2,04	2,11	2,26	2,44	F05210H00050021	●			
									2,00	2,07	2,22	2,39	F05210H00050029	●			
			4,0	0,4	4,14	4,28	4,60		4,97	F05210H00050006	●						
												4,03	4,17	4,48	4,83	F05210H00050014	●
												2,72	4,05	4,35	4,70	F05210H00050022	●
												2,02	3,11	4,23	4,57	F05210H00050030	●
			5,0	0,4	5,14	5,32	5,72		6,18	F05210H00050007	●						
												5,00	5,17	5,56	6,00	F05210H00050015	●
												2,72	5,03	5,40	5,83	F05210H00050023	●
												2,02	3,11	5,24	5,66	F05210H00050031	●
			6,0	0,4	6,15	6,36	6,84		7,39	F05210H00050008	●						
												5,20	6,18	6,64	7,18	F05210H00050016	●
												2,72	6,00	6,44	6,96	F05210H00050024	●
												2,02	3,11	6,25	6,75	F05210H00050032	●
			8,0	0,4	8,16	8,45	9,08		9,81	F05210H00050012	●						
												5,20	8,19	8,80	9,52	F05210H00050020	●
												2,72	6,07	8,53	9,22	F05210H00050028	●
												2,02	3,11	8,26	8,93	F05210H00050036	●
			10,0	0,4	10,18	10,53	11,32		12,23	F05210H00050009	●						
												5,20	10,21	10,97	11,86	F05210H00050017	●
												2,72	6,07	10,62	11,48	F05210H00050025	●
												2,02	3,11	10,28	11,11	F05210H00050033	●
	12,0	0,4	12,19	12,61	13,56	14,65	F05210H00050010		●								
										5,20	12,22	13,13	14,20	F05210H00050018	●		
										2,72	6,07	12,71	13,74	F05210H00050026	●		
										2,02	3,11	12,29	13,29	F05210H00050034	●		
	14,0	0,4	14,15	14,50	15,27	16,12	F05210H00050011		●								
										5,20	14,17	14,92	15,75	F05210H00050019	●		
										2,72	6,07	14,57	15,38	F05210H00050027	●		
										2,02	3,11	14,22	15,01	F05210H00050035	●		
	0,10	0,75	2,0	15	15	15	15		15	6	2,12	2,19	2,35	2,53	F05210H00050037	●	
											2,08	2,15	2,30	2,48	F05210H00050043	●	
											2,04	2,11	2,26	2,43	F05210H00050049	●	
											2,00	2,06	2,21	2,38	F05210H00050057	●	
											4,14	4,28	4,59	4,95	F05210H00050038	●	
											4,03	4,16	4,47	4,82	F05210H00050044	●	
			4,0	1,4	2,70	4,05	4,35		4,69	F05210H00050050	●						
												2,00	3,06	4,22	4,56	F05210H00050058	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210

Cr	D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
Cr	0,50	0,10	0,75	5,0	0,45	15	15	50	6	5,14	5,32	5,71	6,16	F05210H00050001	●
										5,00	5,17	5,55	5,99	F05210H00050002	●
										2,70	5,02	5,39	5,82	F05210H00050051	●
										2,00	3,06	5,23	5,65	F05210H00050059	●
										6,15	6,36	6,83	7,38	F05210H00050039	●
										5,14	6,18	6,63	7,16	F05210H00050045	●
										2,70	5,95	6,44	6,95	F05210H00050052	●
										2,00	3,06	6,24	6,74	F05210H00050060	●
										8,16	8,44	9,07	9,80	F05210H00050042	●
										5,14	8,19	8,80	9,50	F05210H00050048	●
										2,70	5,95	8,53	9,21	F05210H00050056	●
										2,00	3,06	8,25	8,92	F05210H00050064	●
				10,18	10,53	11,31	12,22	F05210H00050004	●						
				5,14	10,20	10,96	11,84	F05210H00050005	●						
				2,70	5,95	10,62	11,47	F05210H00050053	●						
				2,00	3,06	10,27	11,09	F05210H00050061	●						
				12,19	12,61	13,55	14,64	F05210H00050040	●						
				5,14	12,22	13,13	14,18	F05210H00050046	●						
				2,70	5,95	12,71	13,73	F05210H00050054	●						
				2,00	3,06	12,28	13,27	F05210H00050062	●						
				14,15	14,50	15,27	16,12	F05210H00050041	●						
				5,14	14,17	14,91	15,75	F05210H00050047	●						
				2,70	5,95	14,56	15,37	F05210H00050055	●						
				2,00	3,06	14,21	15,00	F05210H00050063	●						
	2,13	2,20	2,36	2,55	F05210H00060007	●									
	2,09	2,16	2,32	2,50	F05210H00060016	●									
	2,05	2,12	2,28	2,46	F05210H00060025	●									
	2,02	2,09	2,24	2,42	F05210H00060034	●									
	4,14	4,28	4,60	4,97	F05210H00060008	●									
	4,04	4,18	4,49	4,85	F05210H00060017	●									
	2,96	4,07	4,37	4,72	F05210H00060026	●									
	2,22	3,43	4,25	4,59	F05210H00060035	●									
	5,15	5,33	5,72	6,18	F05210H00060009	●									
	5,01	5,18	5,57	6,02	F05210H00060018	●									
	2,96	5,04	5,41	5,85	F05210H00060027	●									
	2,22	3,43	5,26	5,68	F05210H00060036	●									
	6,15	6,37	6,84	7,39	F05210H00060010	●									
	5,54	6,19	6,65	7,19	F05210H00060019	●									
	2,96	6,01	6,46	6,98	F05210H00060028	●									
	2,22	3,43	6,27	6,77	F05210H00060037	●									
	8,17	8,45	9,08	9,81	F05210H00060011	●									
	5,54	8,20	8,82	9,53	F05210H00060020	●									
	2,96	6,60	8,55	9,24	F05210H00060029	●									
	2,22	3,43	8,28	8,95	F05210H00060038	●									
	10,18	10,53	11,32	12,24	F05210H00060012	●									
	5,54	10,22	10,98	11,87	F05210H00060021	●									
	2,96	6,60	10,64	11,50	F05210H00060030	●									
	2,22	3,43	10,30	11,13	F05210H00060039	●									
12,19	12,62	13,56	14,66	F05210H00060013	●										
5,54	12,23	13,14	14,21	F05210H00060022	●										
2,96	6,60	12,73	13,76	F05210H00060031	●										
2,22	3,43	12,31	13,31	F05210H00060040	●										
0,60	0,05	0,90	2,0	0,55	15	50	6	0,4							
								0,9							
								1,4							
								1,9							
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			1,9												



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

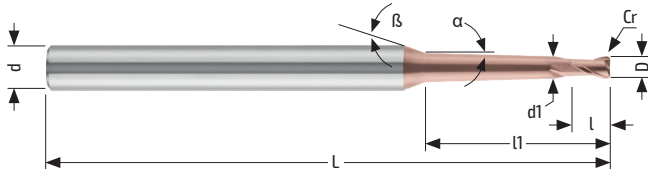


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,60	0,05	0,90	14,0	0,55	20	50	6	6	14,15	14,51	15,27	16,13	F05210H00060014	●
									5,54	14,18	14,93	15,76	F05210H00060023	●
									2,96	6,60	14,58	15,39	F05210H00060032	●
									2,22	3,43	14,23	15,03	F05210H00060041	●
									15,16	15,54	16,36	17,27	F05210H00060015	●
									5,54	15,18	15,98	16,88	F05210H00060024	●
		15,0	2,96		6,60				15,61	16,48	F05210H00060033	●		
			2,22		3,43				15,24	16,09	F05210H00060042	●		
			2,13		2,20				2,35	2,54	F05210H00060043	●		
			2,09		2,16				2,31	2,49	F05210H00060049	●		
			2,05		2,12				2,27	2,45	F05210H00060055	●		
			2,01		2,08				2,23	2,40	F05210H00060064	●		
	0,10	0,90	2,0	0,55	15	50	6	6	4,14	4,28	4,59	4,96	F05210H00060044	●
									4,03	4,17	4,48	4,83	F05210H00060050	●
									2,93	4,06	4,36	4,71	F05210H00060056	●
									2,20	3,37	4,25	4,58	F05210H00060065	●
									5,15	5,32	5,71	6,17	F05210H00060001	●
									5,01	5,18	5,56	6,00	F05210H00060002	●
		8,0	2,93		5,04				5,41	5,84	F05210H00060057	●		
			2,20		3,37				5,25	5,67	F05210H00060066	●		
			6,15		6,36				6,83	7,38	F05210H00060045	●		
			5,48		6,19				6,64	7,17	F05210H00060051	●		
			2,93		6,01				6,45	6,97	F05210H00060058	●		
			2,20		3,37				6,26	6,76	F05210H00060067	●		
	10,0	0,90	4,0	0,55	15	50	6	6	8,17	8,45	9,07	9,80	F05210H00060046	●
									5,48	8,20	8,81	9,51	F05210H00060052	●
									2,93	6,47	8,54	9,23	F05210H00060059	●
									2,20	3,37	8,28	8,94	F05210H00060068	●
									10,18	10,53	11,31	12,22	F05210H00060003	●
									5,48	10,21	10,97	11,85	F05210H00060004	●
		12,0	2,93		6,47				10,63	11,49	F05210H00060060	●		
			2,20		3,37				10,29	11,12	F05210H00060069	●		
			12,19		12,61				13,55	14,64	F05210H00060047	●		
			5,48		12,23				13,14	14,20	F05210H00060053	●		
			2,93		6,47				12,72	13,75	F05210H00060061	●		
			2,20		3,37				12,31	13,30	F05210H00060070	●		
	14,0	0,90	14,0	0,55	20	50	6	6	14,15	14,50	15,27	16,12	F05210H00060048	●
									5,48	14,17	14,92	15,75	F05210H00060054	●
									2,93	6,47	14,57	15,39	F05210H00060062	●
									2,20	3,37	14,23	15,02	F05210H00060071	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,60	0,10	0,90	15,0	0,55	0,4	20	50		15,15	15,53	16,35	17,27	F05210H00060005	●
					0,9				5,48	15,18	15,98	16,87	F05210H00060006	●
					1,4				2,93	6,47	15,61	16,48	F05210H00060063	●
					1,9				2,20	3,37	15,23	16,08	F05210H00060072	●
0,80	0,05	1,20	4,0	0,75	0,4	15	60	6	4,15	4,29	4,61	4,98	F05210H00080003	●
					0,9				4,05	4,19	4,51	4,87	F05210H00080016	●
					1,4				3,42	4,10	4,40	4,75	F05210H00080027	●
					1,9				2,63	4,00	4,30	4,64	F05210H00080038	●
			5,0		0,4				5,16	5,33	5,73	6,19	F05210H00080006	●
					0,9				5,03	5,20	5,59	6,04	F05210H00080017	●
					1,4				3,42	5,07	5,45	5,88	F05210H00080028	●
					1,9				2,63	4,06	5,30	5,73	F05210H00080039	●
			6,0		0,4				6,16	6,38	6,85	7,40	F05210H00080007	●
					0,9				6,00	6,21	6,67	7,21	F05210H00080018	●
					1,4				3,42	6,04	6,49	7,01	F05210H00080029	●
					1,9				2,63	4,06	6,31	6,82	F05210H00080040	●
			8,0		0,4				8,18	8,46	9,09	9,82	F05210H00080008	●
					0,9				6,21	8,22	8,84	9,55	F05210H00080019	●
					1,4				3,42	7,65	8,58	9,27	F05210H00080030	●
					1,9				2,63	4,06	8,33	9,00	F05210H00080041	●
			10,0		0,4				10,19	10,54	11,33	12,25	F05210H00080009	●
					0,9				6,21	10,24	11,00	11,89	F05210H00080020	●
					1,4				3,42	7,65	10,67	11,53	F05210H00080031	●
					1,9				2,63	4,06	10,34	11,18	F05210H00080042	●
			12,0		0,4				12,20	12,63	13,57	14,67	F05210H00080010	●
					0,9				6,21	12,25	13,16	14,23	F05210H00080021	●
					1,4				3,42	7,65	12,76	13,79	F05210H00080032	●
					1,9				2,63	4,06	12,36	13,35	F05210H00080043	●
			14,0		0,4				14,16	14,51	15,28	16,13	F05210H00080011	●
					0,9				6,21	14,19	14,94	15,78	F05210H00080022	●
					1,4				3,42	7,65	14,60	15,42	F05210H00080033	●
					1,9				2,63	4,06	14,26	15,06	F05210H00080044	●
			15,0		0,4				15,16	15,54	16,36	17,28	F05210H00080012	●
					0,9				6,21	15,19	16,00	16,89	F05210H00080023	●
					1,4				3,42	7,65	15,63	16,51	F05210H00080034	●
					1,9				2,63	4,06	15,27	16,12	F05210H00080045	●
			16,0		0,4				16,13	16,44	17,10	17,83	F05210H00080013	●
					0,9				6,21	16,15	16,81	17,51	F05210H00080024	●
					1,4				3,42	7,65	16,51	17,20	F05210H00080035	●
					1,9				2,63	4,06	16,21	16,89	F05210H00080046	●
18,0	0,4	18,14	18,49	19,23	20,04	F05210H00080014	●							
	0,9	6,21	18,16	18,89	19,69	F05210H00080025	●							
	1,4	3,42	7,65	18,55	19,34	F05210H00080036	●							
	1,9	2,63	4,06	18,21	18,98	F05210H00080047	●							
20,0	0,4	20,14	20,53	21,36	22,26	F05210H00080015	●							
	0,9	6,21	20,17	20,98	21,87	F05210H00080026	●							
	1,4	3,42	7,65	20,60	21,47	F05210H00080037	●							
	1,9	2,63	4,06	20,22	21,07	F05210H00080048	●							



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



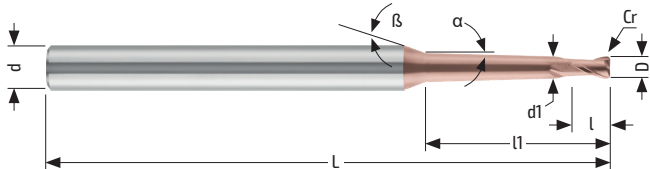
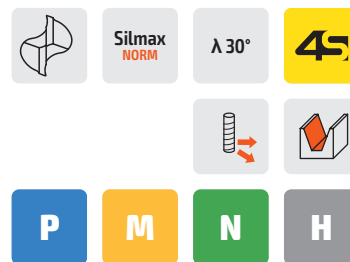
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 05210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,80	0,10	1,20	4,0	0,75	12	60	6	6	4,19	4,37	4,79	5,31	F05210H00080049	●
									4,07	4,25	4,65	5,15	F05210H00080060	●
									3,40	4,12	4,52	5,00	F05210H00080071	●
									2,61	4,00	4,38	4,85	F05210H00080082	●
									5,20	5,43	5,95	6,59	F05210H00080050	●
									5,03	5,26	5,76	6,38	F05210H00080061	●
									3,40	5,09	5,58	6,17	F05210H00080072	●
									2,61	4,01	5,39	5,97	F05210H00080083	●
									6,21	6,48	7,11	7,87	F05210H00080051	●
									6,00	6,26	6,87	7,61	F05210H00080062	●
									3,40	6,05	6,64	7,35	F05210H00080073	●
									2,61	4,01	6,40	7,09	F05210H00080084	●
			8,22	8,59	9,42	10,44	F05210H00080052	●						
			6,15	8,28	9,09	10,07	F05210H00080063	●						
			3,40	7,52	8,75	9,70	F05210H00080074	●						
			2,61	4,01	8,42	9,33	F05210H00080085	●						
			10,24	10,69	11,74	13,01	F05210H00080053	●						
			6,15	10,30	11,30	12,53	F05210H00080064	●						
			3,40	7,52	10,87	12,05	F05210H00080075	●						
			2,61	4,01	10,44	11,57	F05210H00080086	●						
			12,20	12,62	13,56	14,65	F05210H00080054	●						
			6,15	12,25	13,16	14,22	F05210H00080065	●						
			3,40	7,52	12,75	13,78	F05210H00080076	●						
			2,61	4,01	12,35	13,34	F05210H00080087	●						
			14,21	14,71	15,80	17,08	F05210H00080055	●						
			6,15	14,26	15,32	16,56	F05210H00080066	●						
			3,40	7,52	14,84	16,04	F05210H00080077	●						
			2,61	4,01	14,36	15,52	F05210H00080088	●						
			15,22	15,75	16,92	18,29	F05210H00080056	●						
			6,15	15,27	16,40	17,73	F05210H00080067	●						
			3,40	7,52	15,89	17,17	F05210H00080078	●						
			2,61	4,01	15,37	16,61	F05210H00080089	●						
			16,23	16,79	18,04	19,50	F05210H00080057	●						
			6,15	16,27	17,49	18,90	F05210H00080068	●						
			3,40	7,52	16,93	18,30	F05210H00080079	●						
			2,61	4,01	16,38	17,70	F05210H00080090	●						
			18,24	18,87	20,28	21,92	F05210H00080058	●						
			6,15	18,29	19,65	21,24	F05210H00080069	●						
			3,40	7,52	19,02	20,56	F05210H00080080	●						
			2,61	4,01	18,39	19,88	F05210H00080091	●						
			20,26	20,96	22,52	24,34	F05210H00080059	●						
			6,15	20,30	21,82	23,58	F05210H00080070	●						
			3,40	7,52	21,11	22,82	F05210H00080081	●						
			2,61	4,01	20,41	22,06	F05210H00080092	●						



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock							
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°									
0,80	0,20	1,20	4,0	0,75	0,4	12			4,18	4,36	4,77	5,27	F05210H00080093	●							
					0,9				4,06	4,24	4,64	5,12	F05210H00080102	●							
					1,4				3,34	4,11	4,50	4,97	F05210H00080111	●							
					1,9				2,57	3,90	4,36	4,81	F05210H00080122	●							
					0,4				5,19	5,42	5,93	6,56	F05210H00080001	●							
					0,9				5,03	5,25	5,74	6,35	F05210H00080002	●							
					1,4				3,34	5,08	5,56	6,14	F05210H00080112	●							
					1,9				2,57	3,90	5,37	5,93	F05210H00080123	●							
					0,4				6,20	6,47	7,09	7,84	F05210H00080094	●							
					0,9				6,00	6,26	6,85	7,58	F05210H00080103	●							
					1,4				3,34	6,04	6,62	7,32	F05210H00080113	●							
					1,9				2,57	3,90	6,38	7,05	F05210H00080124	●							
			0,4		8,22				8,58	9,40	10,41	F05210H00080095	●								
			0,9		6,03				8,27	9,07	10,04	F05210H00080104	●								
			1,4		3,34				7,27	8,73	9,67	F05210H00080114	●								
			1,9		2,57				3,90	8,40	9,30	F05210H00080125	●								
			0,4		10,24				10,69	11,72	12,97	F05210H00080004	●								
			0,9		6,03				10,29	11,28	12,49	F05210H00080005	●								
			1,4		3,34				7,27	10,85	12,02	F05210H00080115	●								
			1,9		2,57				3,90	10,42	11,54	F05210H00080126	●								
			0,4		12,20				12,62	13,55	14,63	F05210H00080096	●								
			0,9		6,03				12,24	13,14	14,19	F05210H00080105	●								
			1,4		3,34				7,27	12,74	13,76	F05210H00080116	●								
			1,9		2,57				3,90	12,33	13,32	F05210H00080127	●								
			0,4		14,21				14,70	15,79	17,05	F05210H00080097	●								
			0,9		6,03				14,25	15,31	16,53	F05210H00080106	●								
			1,4		3,34				7,27	14,83	16,02	F05210H00080117	●								
			1,9		2,57				3,90	14,35	15,50	F05210H00080128	●								
			0,4		15,22				15,74	16,91	18,26	F05210H00080098	●								
			0,9		6,03				15,26	16,39	17,70	F05210H00080107	●								
			1,4		3,34				7,27	15,87	17,14	F05210H00080118	●								
			1,9		2,57				3,90	15,36	16,59	F05210H00080129	●								
			0,4		16,22				16,78	18,03	19,47	F05210H00080099	●								
			0,9		6,03				16,27	17,47	18,87	F05210H00080108	●								
			1,4		3,34				7,27	16,92	18,27	F05210H00080119	●								
			1,9		2,57				3,90	16,36	17,67	F05210H00080130	●								
			0,4		18,24				18,87	20,27	21,89	F05210H00080100	●								
			0,9		6,03				18,28	19,64	21,21	F05210H00080109	●								
			1,4		3,34				7,27	19,01	20,53	F05210H00080120	●								
			1,9		2,57				3,90	18,38	19,85	F05210H00080131	●								
			0,4		20,25				20,95	22,51	24,32	F05210H00080101	●								
			0,9		6,03				20,30	21,80	23,56	F05210H00080110	●								
			1,4		3,34				7,27	21,10	22,79	F05210H00080121	●								
			1,9		2,57				3,90	20,39	22,03	F05210H00080132	●								
			1,00		0,10				1,50	8,0	0,95	0,4	12			8,23	8,60	9,43	10,45	F05210H00100003	●
												0,9				6,83	8,31	9,11	10,10	F05210H00100024	●
												1,4				3,86	8,02	8,79	9,74	F05210H00100039	●
												1,9				3,02	4,64	8,47	9,39	F05210H00100054	●
0,4	10,25	10,70		11,75		13,02	F05210H00100006	●													
0,9	6,83	10,32		11,33		12,56	F05210H00100025	●													
1,4	3,86	8,57		10,91		12,09	F05210H00100040	●													
1,9	3,02	4,64		10,49		11,63	F05210H00100055	●													



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



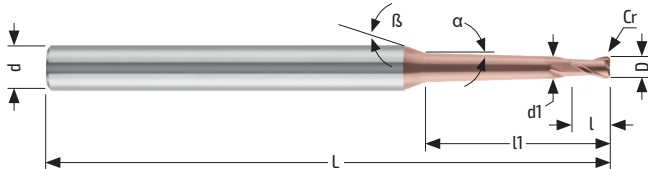
Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,00	0,10	1,50	12,0	0,95	12	60	6	6	12,27	12,81	14,06	15,59	F05210H00100009	●
									6,83	12,34	13,55	15,02	F05210H00100026	●
									3,86	8,57	13,03	14,44	F05210H00100041	●
									3,02	4,64	12,51	13,87	F05210H00100056	●
									14,22	14,72	15,81	17,09	F05210H00100012	●
									6,83	14,28	15,34	16,58	F05210H00100027	●
									3,86	8,57	14,87	16,07	F05210H00100042	●
									3,02	4,64	14,41	15,57	F05210H00100057	●
									15,23	15,76	16,93	18,30	F05210H00100013	●
									6,83	15,29	16,43	17,75	F05210H00100028	●
									3,86	8,57	15,92	17,20	F05210H00100043	●
									3,02	4,64	15,41	16,66	F05210H00100058	●
			16,24	16,80	18,05	19,51	F05210H00100014	●						
			6,83	16,29	17,51	18,92	F05210H00100029	●						
			3,86	8,57	16,96	18,33	F05210H00100044	●						
			3,02	4,64	16,42	17,75	F05210H00100059	●						
			18,25	18,88	20,29	21,93	F05210H00100015	●						
			6,83	18,31	19,67	21,26	F05210H00100030	●						
			3,86	8,57	19,05	20,59	F05210H00100045	●						
			3,02	4,64	18,44	19,92	F05210H00100060	●						
			20,26	20,97	22,53	24,35	F05210H00100016	●						
			6,83	20,32	21,84	23,60	F05210H00100031	●						
			3,86	8,57	21,14	22,85	F05210H00100046	●						
			3,02	4,64	20,45	22,10	F05210H00100061	●						
			22,28	23,05	24,77	26,77	F05210H00100017	●						
			6,83	22,34	24,00	25,94	F05210H00100032	●						
			3,86	8,57	23,23	25,11	F05210H00100047	●						
			3,02	4,64	22,47	24,28	F05210H00100062	●						
			24,21	24,82	26,13	27,59	F05210H00100018	●						
			6,83	24,25	25,53	26,96	F05210H00100033	●						
			3,86	8,57	24,94	26,33	F05210H00100048	●						
			3,02	4,64	24,34	25,70	F05210H00100063	●						
			25,22	25,85	27,21	28,74	F05210H00100019	●						
			6,83	25,26	26,59	28,08	F05210H00100034	●						
			3,86	8,57	25,97	27,42	F05210H00100049	●						
			3,02	4,64	25,34	26,76	F05210H00100064	●						
			28,40	29,67	32,58	36,13	F05210H00100020	●						
			6,83	28,49	31,28	34,68	F05210H00100035	●						
			3,86	8,57	29,97	33,24	F05210H00100050	●						
			3,02	4,64	28,67	31,79	F05210H00100065	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,00	0,10	1,50	30,0	0,95	0,4	12	78	6	30,42	31,78	34,89	38,69	F05210H00100021	●	
									6,83	30,50	33,49	37,14	F05210H00100036	●	
									1,4	3,86	8,57	32,09	35,59	F05210H00100051	●
									1,9	3,02	4,64	30,69	34,03	F05210H00100066	●
									0,4	32,34	33,47	35,97	38,88	F05210H00100022	●
									0,9	6,83	32,40	34,83	37,64	F05210H00100037	●
									1,4	3,86	8,57	33,68	36,41	F05210H00100052	●
									1,9	3,02	4,64	32,54	35,17	F05210H00100067	●
									0,4	35,36	36,59	39,33	42,51	F05210H00100023	●
									0,9	6,83	35,43	38,07	41,16	F05210H00100038	●
									1,4	3,86	8,57	36,82	39,80	F05210H00100053	●
									1,9	3,02	4,64	35,56	38,44	F05210H00100068	●
			0,4		8,23	8,59			9,41	10,42	F05210H00100069	●			
			0,9		6,70	8,30			9,09	10,07	F05210H00100080	●			
			1,4		3,81	8,01			8,77	9,71	F05210H00100091	●			
			1,9		2,98	4,53			8,46	9,36	F05210H00100106	●			
			0,4		10,25	10,70			11,73	12,99	F05210H00100001	●			
			0,9		6,70	10,32			11,31	12,52	F05210H00100002	●			
			1,4		3,81	8,32			10,89	12,06	F05210H00100092	●			
			1,9		2,98	4,53			10,47	11,60	F05210H00100107	●			
			0,4		12,26	12,80			14,04	15,55	F05210H00100070	●			
			0,9		6,70	12,33			13,53	14,98	F05210H00100081	●			
			1,4		3,81	8,32			13,01	14,41	F05210H00100093	●			
			1,9		2,98	4,53			12,49	13,84	F05210H00100108	●			
	0,4	14,22	14,71	15,80	17,06	F05210H00100071	●								
	0,9	6,70	14,27	15,33	16,56	F05210H00100082	●								
	1,4	3,81	8,32	14,86	16,05	F05210H00100094	●								
	1,9	2,98	4,53	14,39	15,54	F05210H00100109	●								
	0,4	15,23	15,75	16,92	18,27	F05210H00100004	●								
	0,9	6,70	15,28	16,41	17,73	F05210H00100005	●								
	1,4	3,81	8,32	15,90	17,18	F05210H00100095	●								
	1,9	2,98	4,53	15,40	16,63	F05210H00100110	●								
	0,4	16,23	16,79	18,04	19,48	F05210H00100072	●								
	0,9	6,70	16,29	17,49	18,90	F05210H00100083	●								
	1,4	3,81	8,32	16,95	18,31	F05210H00100096	●								
	1,9	2,98	4,53	16,41	17,72	F05210H00100111	●								
	0,4	18,25	18,88	20,28	21,90	F05210H00100073	●								
	0,9	6,70	18,30	19,66	21,24	F05210H00100084	●								
	1,4	3,81	8,32	19,04	20,57	F05210H00100097	●								
	1,9	2,98	4,53	18,42	19,90	F05210H00100112	●								
	0,4	20,26	20,96	22,52	24,33	F05210H00100007	●								
	0,9	6,70	20,31	21,82	23,58	F05210H00100008	●								
	1,4	3,81	8,32	21,13	22,83	F05210H00100098	●								
	1,9	2,98	4,53	20,44	22,08	F05210H00100113	●								
	0,4	22,27	23,04	24,75	26,75	F05210H00100074	●								
	0,9	6,70	22,33	23,99	25,92	F05210H00100085	●								
	1,4	3,81	8,32	23,22	25,09	F05210H00100099	●								
	1,9	2,98	4,53	22,45	24,26	F05210H00100114	●								
0,4	24,21	24,81	26,12	27,57	F05210H00100075	●									
0,9	6,70	24,25	25,52	26,94	F05210H00100086	●									
1,4	3,81	8,32	24,93	26,31	F05210H00100100	●									
1,9	2,98	4,53	24,33	25,68	F05210H00100115	●									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

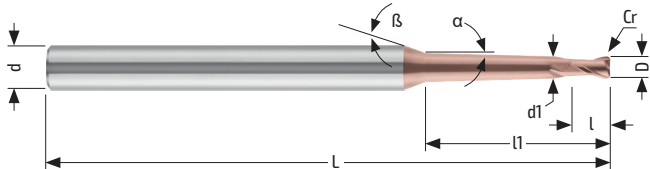


Non ISO  
Not ISO



# 05210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,00	0,20	1,50	25,0	0,95	0,4	20	60	6	25,21	25,84	27,20	28,72	F05210H00100010	●
					0,9				6,70	25,25	26,58	28,06	F05210H00100011	●
					1,4				3,81	8,32	25,96	27,40	F05210H00100101	●
			1,9		2,98				4,53	25,33	26,74	F05210H00100116	●	
			0,4		28,40				29,66	32,56	36,09	F05210H00100076	●	
			0,9		6,70				28,48	31,26	34,65	F05210H00100087	●	
		28,0	1,4	3,81	8,32	29,95	33,20		F05210H00100102	●				
			1,9	2,98	4,53	28,65	31,76		F05210H00100117	●				
			0,4	30,42	31,77	34,87	38,66		F05210H00100077	●				
			0,9	6,70	30,49	33,47	37,11		F05210H00100088	●				
			1,4	3,81	8,32	32,07	35,55		F05210H00100103	●				
			1,9	2,98	4,53	30,67	34,00		F05210H00100118	●				
	30,0	78	32,0	15	0,4	32,34	33,46		35,95	38,86	F05210H00100078	●		
					0,9	6,70	32,40		34,81	37,62	F05210H00100089	●		
					1,4	3,81	8,32		33,67	36,38	F05210H00100104	●		
			1,9		2,98	4,53	32,53		35,15	F05210H00100119	●			
			0,4		35,36	36,59	39,31		42,49	F05210H00100079	●			
			0,9		6,70	35,42	38,06		41,13	F05210H00100090	●			
	0,30	1,50	35,0	0,95	1,4	3,81	8,32		36,80	39,77	F05210H00100105	●		
					1,9	2,98	4,53		35,55	38,42	F05210H00100120	●		
					0,4	8,22	8,58		9,39	10,39	F05210H00100121	○		
			0,9		6,58	8,29	9,07		10,03	F05210H00100136	○			
			1,4		3,75	8,00	8,76		9,68	F05210H00100151	○			
			1,9		2,95	4,42	8,44		9,32	F05210H00100166	○			
8,0		60	10,0	12	0,4	10,24	10,69	11,71	12,95	F05210H00100122	○			
					0,9	6,58	10,31	11,29	12,49	F05210H00100137	○			
					1,4	3,75	8,07	10,87	12,03	F05210H00100152	○			
			1,9		2,95	4,42	10,46	11,56	F05210H00100167	○				
			0,4		12,26	12,79	14,02	15,52	F05210H00100123	○				
			0,9		6,58	12,32	13,51	14,95	F05210H00100138	○				
12,0	60	14,0	15	1,4	3,75	8,07	12,99	14,38	F05210H00100153	○				
				1,9	2,95	4,42	12,47	13,80	F05210H00100168	○				
				0,4	14,22	14,70	15,78	17,04	F05210H00100124	○				
		0,9		6,58	14,27	15,31	16,53	F05210H00100139	○					
		1,4		3,75	8,07	14,84	16,02	F05210H00100154	○					
		1,9		2,95	4,42	14,38	15,52	F05210H00100169	○					
15,0	60	15,0	15	0,4	15,22	15,74	16,90	18,25	F05210H00100125	○				
				0,9	6,58	15,27	16,40	17,70	F05210H00100140	○				
				1,4	3,75	8,07	15,89	17,15	F05210H00100155	○				
		1,9		2,95	4,42	15,38	16,61	F05210H00100170	○					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock											
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°													
1,00	0,30	1,50	16,0	0,95	0,4	15	60	6	16,23	16,78	18,02	19,46	F05210H00100126	○											
									6,58	16,28	17,48	18,87	F05210H00100141	○											
									3,75	8,07	16,93	18,28	F05210H00100156	○											
									2,95	4,42	16,39	17,70	F05210H00100171	○											
									0,4	18,0	15	60	18,24	18,87	20,26	21,88	F05210H00100127	○							
									0,9				6,58	18,29	19,64	21,21	F05210H00100142	○							
									1,4				3,75	8,07	19,02	20,54	F05210H00100157	○							
									1,9				2,95	4,42	18,41	19,88	F05210H00100172	○							
									0,4				20,0	15	60	20,26	20,95	22,50	24,30	F05210H00100128	○				
									0,9							6,58	20,31	21,81	23,55	F05210H00100143	○				
									1,4							3,75	8,07	21,11	22,80	F05210H00100158	○				
									1,9							2,95	4,42	20,42	22,05	F05210H00100173	○				
			0,4		22,0	15	60		22,27							23,04	24,74	26,72	F05210H00100129	○					
			0,9						6,58							22,32	23,97	25,89	F05210H00100144	○					
			1,4						3,75							8,07	23,20	25,06	F05210H00100159	○					
			1,9						2,95							4,42	22,44	24,23	F05210H00100174	○					
			0,4						24,0	20	78	24,21				24,81	26,11	27,56	F05210H00100130	○					
			0,9									6,58				24,24	25,51	26,93	F05210H00100145	○					
			1,4									3,75				8,07	24,92	26,30	F05210H00100160	○					
			1,9									2,95				4,42	24,32	25,67	F05210H00100175	○					
			0,4									25,0	20	78	25,21	25,84	27,19	28,70	F05210H00100131	○					
			0,9												6,58	25,25	26,57	28,05	F05210H00100146	○					
			1,4												3,75	8,07	25,95	27,39	F05210H00100161	○					
			1,9												2,95	4,42	25,32	26,73	F05210H00100176	○					
			0,4		28,0	12	78								28,40	29,65	32,54	36,06	F05210H00100132	○					
			0,9												6,58	28,47	31,24	34,62	F05210H00100147	○					
			1,4												3,75	8,07	29,94	33,17	F05210H00100162	○					
			1,9												2,95	4,42	28,63	31,73	F05210H00100177	○					
			0,4						30,0	12	78				30,41	31,76	34,85	38,63	F05210H00100133	○					
			0,9												6,58	30,49	33,45	37,07	F05210H00100148	○					
			1,4												3,75	8,07	32,05	35,52	F05210H00100163	○					
			1,9												2,95	4,42	30,65	33,97	F05210H00100178	○					
			0,4									32,0	15	78	32,34	33,45	35,94	38,83	F05210H00100134	○					
			0,9												6,58	32,39	34,80	37,60	F05210H00100149	○					
			1,4												3,75	8,07	33,65	36,36	F05210H00100164	○					
			1,9												2,95	4,42	32,51	35,12	F05210H00100179	○					
			0,4		35,0	15	78								35,36	36,58	39,30	42,46	F05210H00100135	○					
			0,9												6,58	35,41	38,04	41,11	F05210H00100150	○					
			1,4												3,75	8,07	36,79	39,75	F05210H00100165	○					
			1,9												2,95	4,42	35,53	38,39	F05210H00100180	○					
			1,20						0,10	1,80	10,0				1,15	0,4	12	60	10,26	10,72	11,76	13,03	F05210H00120001	○	
																			7,50	10,35	11,36	12,59	F05210H00120017	○	
																			4,33	9,62	10,95	12,14	F05210H00120033	○	
																			3,42	5,27	10,55	11,69	F05210H00120049	○	
												0,4	12,0	12					60	12,28	12,82	14,07	15,60	F05210H00120002	○
												0,9								7,50	12,37	13,57	15,04	F05210H00120018	○
											1,4	4,33				9,62	13,07			14,49	F05210H00120034	○			
											1,9	3,42				5,27	12,57			13,93	F05210H00120050	○			
0,4	14,0	15		60	14,23	14,72	15,82	17,10			F05210H00120003	○													
0,9					7,50	14,30	15,36	16,60			F05210H00120019	○													
1,4					4,33	9,62	14,91	16,11			F05210H00120035	○													
1,9					3,42	5,27	14,45	15,61			F05210H00120051	○													



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

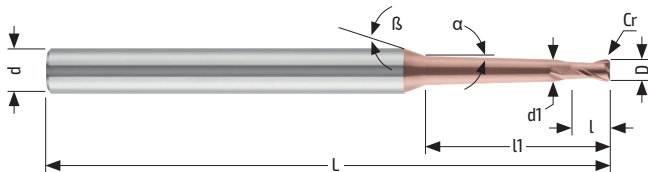


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,20	0,10	1,80	15,0	1,15	0,4	15	60	6	15,24	15,77	16,94	18,31	F05210H00120004	○
					0,9				7,50	15,31	16,45	17,77	F05210H00120020	○
					1,4				4,33	9,62	15,95	17,24	F05210H00120036	○
					1,9				3,42	5,27	15,46	16,70	F05210H00120052	○
					0,4				16,24	16,81	18,06	19,52	F05210H00120005	○
					0,9				7,50	16,31	17,53	18,94	F05210H00120021	○
					1,4				4,33	9,62	17,00	18,37	F05210H00120037	○
					1,9				3,42	5,27	16,46	17,79	F05210H00120053	○
					0,4				18,26	18,89	20,30	21,94	F05210H00120006	○
					0,9				7,50	18,33	19,69	21,28	F05210H00120022	○
					1,4				4,33	9,62	19,09	20,63	F05210H00120038	○
					1,9				3,42	5,27	18,48	19,97	F05210H00120054	○
			0,4	20,27	20,97	22,54	24,36		F05210H00120007	○				
			0,9	7,50	20,34	21,86	23,62		F05210H00120023	○				
			1,4	4,33	9,62	21,18	22,89		F05210H00120039	○				
			1,9	3,42	5,27	20,49	22,15		F05210H00120055	○				
			0,4	22,28	23,06	24,78	26,78		F05210H00120008	○				
			0,9	7,50	22,35	24,02	25,96		F05210H00120024	○				
			1,4	4,33	9,62	23,27	25,15		F05210H00120040	○				
			1,9	3,42	5,27	22,51	24,33		F05210H00120056	○				
			0,4	24,22	24,82	26,14	27,60		F05210H00120009	○				
			0,9	7,50	24,26	25,55	26,98		F05210H00120025	○				
			1,4	4,33	9,62	24,96	26,35		F05210H00120041	○				
			1,9	3,42	5,27	24,37	25,73		F05210H00120057	○				
			0,4	25,22	25,85	27,22	28,74		F05210H00120010	○				
			0,9	7,50	25,27	26,61	28,09		F05210H00120026	○				
			1,4	4,33	9,62	25,99	27,44		F05210H00120042	○				
			1,9	3,42	5,27	25,37	26,79		F05210H00120058	○				
			0,4	28,41	29,68	32,59	36,14		F05210H00120011	○				
			0,9	7,50	28,51	31,30	34,71		F05210H00120027	○				
			1,4	4,33	9,62	30,02	33,28		F05210H00120043	○				
			1,9	3,42	5,27	28,73	31,85		F05210H00120059	○				
			0,4	30,43	31,79	34,91	38,71		F05210H00120012	○				
			0,9	7,50	30,53	33,52	37,17		F05210H00120028	○				
			1,4	4,33	9,62	32,13	35,63		F05210H00120044	○				
			1,9	3,42	5,27	30,75	34,09		F05210H00120060	○				
			0,4	32,35	33,48	35,98	38,89		F05210H00120013	○				
			0,9	7,50	32,42	34,85	37,67		F05210H00120029	○				
			1,4	4,33	9,62	33,72	36,44		F05210H00120045	○				
			1,9	3,42	5,27	32,58	35,22		F05210H00120061	○				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,20	0,10	1,80	35,0	1,15	0,4	15	78	6	35,37	36,60	39,34	42,52	F05210H00120014	○	
									7,50	35,44	38,09	41,18	F05210H00120030	○	
									1,4	4,33	9,62	36,85	39,83	F05210H00120046	○
									1,9	3,42	5,27	35,61	38,49	F05210H00120062	○
			0,4						38,39	39,73	42,70	-	F05210H00120015	○	
			0,9						7,50	38,47	41,34	44,69	F05210H00120031	○	
			1,4						4,33	9,62	39,99	43,22	F05210H00120047	○	
			1,9						3,42	5,27	38,63	41,75	F05210H00120063	○	
			0,4						40,41	41,81	44,94	-	F05210H00120016	○	
			0,9						7,50	40,48	43,51	-	F05210H00120032	○	
			1,4						4,33	9,62	42,08	45,48	F05210H00120048	○	
			1,9						3,42	5,27	40,64	43,93	F05210H00120064	○	
		0,4	10,26						10,71	11,74	13,00	F05210H00120065	●		
		0,9	7,38						10,34	11,34	12,55	F05210H00120081	●		
		1,4	4,27						9,37	10,93	12,11	F05210H00120097	●		
		1,9	3,39						5,16	10,53	11,66	F05210H00120113	●		
		0,4	12,27						12,81	14,05	15,57	F05210H00120066	●		
		0,9	7,38						12,36	13,55	15,01	F05210H00120082	●		
		1,4	4,27						9,37	13,05	14,46	F05210H00120098	●		
		1,9	3,39						5,16	12,55	13,90	F05210H00120114	●		
		0,4	14,23						14,72	15,80	17,07	F05210H00120067	●		
		0,9	7,38						14,29	15,35	16,58	F05210H00120083	●		
		1,4	4,27						9,37	14,89	16,08	F05210H00120099	●		
		1,9	3,39						5,16	14,43	15,59	F05210H00120115	●		
	0,4	15,23	15,76						16,92	18,28	F05210H00120068	●			
	0,9	7,38	15,30						16,43	17,75	F05210H00120084	●			
	1,4	4,27	9,37						15,94	17,21	F05210H00120100	●			
	1,9	3,39	5,16						15,44	16,68	F05210H00120116	●			
	0,4	16,24	16,80						18,04	19,49	F05210H00120069	●			
	0,9	7,38	16,31						17,51	18,92	F05210H00120085	●			
	1,4	4,27	9,37						16,98	18,34	F05210H00120101	●			
	1,9	3,39	5,16						16,45	17,77	F05210H00120117	●			
	0,4	18,25	18,88						20,28	21,91	F05210H00120070	●			
	0,9	7,38	18,32						19,68	21,26	F05210H00120086	●			
	1,4	4,27	9,37						19,07	20,60	F05210H00120102	●			
	1,9	3,39	5,16						18,46	19,95	F05210H00120118	●			
	0,4	20,27	20,97						22,52	24,34	F05210H00120071	●			
	0,9	7,38	20,33						21,84	23,60	F05210H00120087	●			
	1,4	4,27	9,37						21,16	22,86	F05210H00120103	●			
	1,9	3,39	5,16						20,48	22,12	F05210H00120119	●			
	0,4	22,28	23,05						24,76	26,76	F05210H00120072	●			
	0,9	7,38	22,35						24,01	25,94	F05210H00120088	●			
	1,4	4,27	9,37						23,25	25,12	F05210H00120104	●			
	1,9	3,39	5,16						22,49	24,30	F05210H00120120	●			
	0,4	24,21	24,82						26,13	27,58	F05210H00120073	●			
	0,9	7,38	24,26						25,54	26,96	F05210H00120089	●			
	1,4	4,27	9,37						24,95	26,34	F05210H00120105	●			
	1,9	3,39	5,16						24,36	25,71	F05210H00120121	●			
0,4	25,22	25,85	27,21	28,73	F05210H00120074	●									
0,9	7,38	25,26	26,60	28,08	F05210H00120090	●									
1,4	4,27	9,37	25,98	27,43	F05210H00120106	●									
1,9	3,39	5,16	25,36	26,78	F05210H00120122	●									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

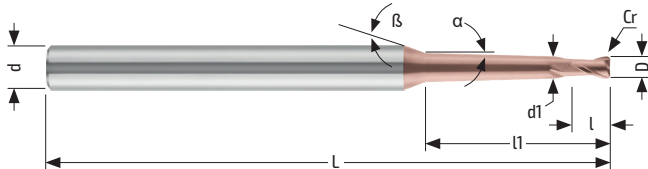


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,20	0,20	1,80	28,0	1,15	12	78	6	28,41	29,67	32,57	36,11	F05210H00120075	●	
								7,38	28,50	31,28	34,68	F05210H00120091	●	
								4,27	9,37	30,00	33,25	F05210H00120107	●	
								3,39	5,16	28,71	31,82	F05210H00120123	●	
								30,43	31,78	34,89	38,67	F05210H00120076	●	
								7,38	30,52	33,50	37,14	F05210H00120092	●	
			4,27					9,37	32,11	35,60	F05210H00120108	●		
			3,39					5,16	30,73	34,06	F05210H00120124	●		
			32,35					33,47	35,96	38,86	F05210H00120077	●		
			7,38					32,42	34,83	37,64	F05210H00120093	●		
			4,27					9,37	33,70	36,42	F05210H00120109	●		
			3,39					5,16	32,57	35,19	F05210H00120125	●		
			35,37					36,59	39,32	42,50	F05210H00120078	●		
			7,38					35,44	38,08	41,15	F05210H00120094	●		
			4,27					9,37	36,84	39,81	F05210H00120110	●		
			3,39					5,16	35,59	38,46	F05210H00120126	●		
			38,39					39,72	42,68	-	F05210H00120079	●		
			7,38					38,46	41,33	44,66	F05210H00120095	●		
			4,27					9,37	39,97	43,20	F05210H00120111	●		
			3,39					5,16	38,61	41,73	F05210H00120127	●		
			40,40					41,80	44,92	-	F05210H00120080	●		
			7,38					40,47	43,49	-	F05210H00120096	●		
			4,27					9,37	42,06	45,46	F05210H00120112	●		
			3,39					5,16	40,63	43,91	F05210H00120128	●		
	10,25	10,70	11,72	12,97	F05210H00120129	●								
	7,25	10,33	11,32	12,52	F05210H00120145	●								
	4,22	9,12	10,91	12,07	F05210H00120161	●								
	3,35	5,05	10,51	11,63	F05210H00120177	●								
	12,27	12,80	14,03	15,54	F05210H00120130	●								
	7,25	12,35	13,53	14,98	F05210H00120146	●								
	4,22	9,12	13,03	14,42	F05210H00120162	●								
	3,35	5,05	12,53	13,87	F05210H00120178	●								
	14,22	14,71	15,79	17,05	F05210H00120131	●								
	7,25	14,28	15,33	16,55	F05210H00120147	●								
	4,22	9,12	14,88	16,06	F05210H00120163	●								
	3,35	5,05	14,42	15,56	F05210H00120179	●								
	15,23	15,75	16,91	18,26	F05210H00120132	●								
	7,25	15,29	16,42	17,72	F05210H00120148	●								
	4,22	9,12	15,92	17,19	F05210H00120164	●								
	3,35	5,05	15,43	16,65	F05210H00120180	●								
	0,30	1,80	10,0	12	60	15	6	10,25	10,70	11,72	12,97	F05210H00120129	●	
								7,25	10,33	11,32	12,52	F05210H00120145	●	
								4,22	9,12	10,91	12,07	F05210H00120161	●	
								3,35	5,05	10,51	11,63	F05210H00120177	●	
								12,27	12,80	14,03	15,54	F05210H00120130	●	
								7,25	12,35	13,53	14,98	F05210H00120146	●	
			4,22					9,12	13,03	14,42	F05210H00120162	●		
			3,35					5,05	12,53	13,87	F05210H00120178	●		
14,22			14,71					15,79	17,05	F05210H00120131	●			
7,25			14,28					15,33	16,55	F05210H00120147	●			
4,22			9,12					14,88	16,06	F05210H00120163	●			
3,35			5,05					14,42	15,56	F05210H00120179	●			
15,23			15,75					16,91	18,26	F05210H00120132	●			
7,25			15,29					16,42	17,72	F05210H00120148	●			
4,22			9,12					15,92	17,19	F05210H00120164	●			
3,35			5,05					15,43	16,65	F05210H00120180	●			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,20	0,30	1,80	16,0	1,15	0,4	15	60	6	16,24	16,79	18,03	19,47	F05210H00120133	●	
									7,25	16,30	17,50	18,89	F05210H00120149	●	
									4,22	9,12	16,97	18,32	F05210H00120165	●	
									1,9	3,35	5,05	16,43	17,74	F05210H00120181	●
									0,4	18,25	18,88	20,27	21,89	F05210H00120134	●
									0,9	7,25	18,31	19,66	21,23	F05210H00120150	●
									1,4	4,22	9,12	19,06	20,58	F05210H00120166	●
									1,9	3,35	5,05	18,45	19,92	F05210H00120182	●
									0,4	20,26	20,96	22,51	24,31	F05210H00120135	●
									0,9	7,25	20,33	21,83	23,57	F05210H00120151	●
									1,4	4,22	9,12	21,15	22,84	F05210H00120167	●
									1,9	3,35	5,05	20,46	22,10	F05210H00120183	●
			0,4						22,28	23,04	24,75	26,73	F05210H00120136	●	
			0,9						7,25	22,34	23,99	25,91	F05210H00120152	●	
			1,4						4,22	9,12	23,24	25,10	F05210H00120168	●	
			1,9						3,35	5,05	22,48	24,28	F05210H00120184	●	
			0,4						24,21	24,81	26,12	27,56	F05210H00120137	●	
			0,9						7,25	24,25	25,53	26,94	F05210H00120153	●	
			1,4						4,22	9,12	24,94	26,32	F05210H00120169	●	
			1,9						3,35	5,05	24,35	25,70	F05210H00120185	●	
			0,4						25,22	25,84	27,20	28,71	F05210H00120138	●	
			0,9						7,25	25,26	26,58	28,06	F05210H00120154	●	
			1,4						4,22	9,12	25,97	27,41	F05210H00120170	●	
			1,9						3,35	5,05	25,35	26,76	F05210H00120186	●	
			0,4						28,41	29,66	32,55	36,07	F05210H00120139	●	
			0,9						7,25	28,49	31,26	34,65	F05210H00120155	●	
			1,4						4,22	9,12	29,98	33,22	F05210H00120171	●	
			1,9						3,35	5,05	28,69	31,79	F05210H00120187	●	
			0,4						30,42	31,77	34,87	38,64	F05210H00120140	●	
			0,9						7,25	30,51	33,48	37,10	F05210H00120156	●	
			1,4						4,22	9,12	32,09	35,57	F05210H00120172	●	
			1,9						3,35	5,05	30,71	34,03	F05210H00120188	●	
			0,4						32,35	33,46	35,95	38,84	F05210H00120141	●	
			0,9						7,25	32,41	34,82	37,62	F05210H00120157	●	
			1,4						4,22	9,12	33,69	36,39	F05210H00120173	●	
			1,9						3,35	5,05	32,55	35,17	F05210H00120189	●	
			0,4						35,37	36,59	39,31	42,47	F05210H00120142	●	
			0,9						7,25	35,43	38,06	41,13	F05210H00120158	●	
			1,4						4,22	9,12	36,82	39,78	F05210H00120174	●	
			1,9						3,35	5,05	35,58	38,44	F05210H00120190	●	
			0,4						38,39	39,71	42,67	-	F05210H00120143	●	
			0,9						7,25	38,45	41,31	44,64	F05210H00120159	●	
			1,4						4,22	9,12	39,96	43,17	F05210H00120175	●	
			1,9						3,35	5,05	38,60	41,71	F05210H00120191	●	
			0,4						40,40	41,80	44,91	-	F05210H00120144	●	
			0,9						7,25	40,47	43,48	-	F05210H00120160	●	
			1,4						4,22	9,12	42,05	45,43	F05210H00120176	●	
			1,9						3,35	5,05	40,61	43,88	F05210H00120192	●	
0,4	10,28	10,73	11,78	13,05	F05210H00150001	○									
0,9	8,51	10,38	11,40	12,63	F05210H00150023	○									
1,4	5,03	10,04	11,02	12,21	F05210H00150039	○									
1,9	4,04	6,22	10,63	11,79	F05210H00150055	○									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
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Non ISO  
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 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
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Silmax  
NORM

λ 30°

4S

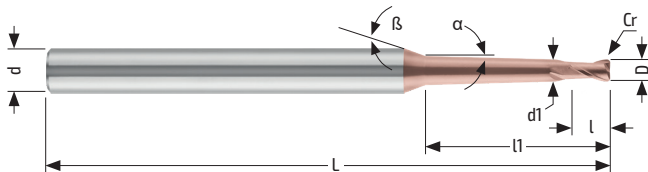


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,10	2,25	12,0	1,45	0,4	12	60	6	12,29	12,84	14,09	15,62	F05210H00150002	○
									8,51	12,40	13,61	15,09	F05210H00150024	○
									5,03	11,20	13,13	14,56	F05210H00150040	○
									4,04	6,22	12,65	14,03	F05210H00150056	○
									14,24	14,74	15,83	17,11	F05210H00150003	○
									8,51	14,33	15,39	16,63	F05210H00150025	○
									5,03	11,20	14,95	16,16	F05210H00150041	○
									4,04	6,22	14,51	15,68	F05210H00150057	○
									15,25	15,78	16,95	18,32	F05210H00150006	○
									8,51	15,33	16,48	17,80	F05210H00150026	○
									5,03	11,20	16,00	17,29	F05210H00150042	○
									4,04	6,22	15,52	16,77	F05210H00150058	○
			16,26	16,82	18,07	19,53	F05210H00150009	○						
			8,51	16,34	17,56	18,97	F05210H00150027	○						
			5,03	11,20	17,04	18,42	F05210H00150043	○						
			4,04	6,22	16,53	17,86	F05210H00150059	○						
			18,27	18,90	20,31	21,95	F05210H00150012	○						
			8,51	18,35	19,72	21,32	F05210H00150028	○						
			5,03	11,20	19,13	20,68	F05210H00150044	○						
			4,04	6,22	18,54	20,04	F05210H00150060	○						
			20,28	20,99	22,55	24,37	F05210H00150013	○						
			8,51	20,37	21,89	23,66	F05210H00150029	○						
			5,03	11,20	21,22	22,94	F05210H00150045	○						
			4,04	6,22	20,56	22,22	F05210H00150061	○						
			22,30	23,07	24,79	26,80	F05210H00150014	○						
			8,51	22,38	24,05	26,00	F05210H00150030	○						
			5,03	11,20	23,31	25,20	F05210H00150046	○						
			4,04	6,22	22,57	24,40	F05210H00150062	○						
			24,31	25,15	27,03	29,22	F05210H00150015	○						
			8,51	24,40	26,22	28,34	F05210H00150031	○						
			5,03	11,20	25,40	27,46	F05210H00150047	○						
			4,04	6,22	24,59	26,57	F05210H00150063	○						
			25,23	25,86	27,23	28,75	F05210H00150016	○						
			8,51	25,29	26,63	28,12	F05210H00150032	○						
			5,03	11,20	26,02	27,48	F05210H00150048	○						
			4,04	6,22	25,42	26,84	F05210H00150064	○						
			28,43	29,70	32,61	36,16	F05210H00150017	○						
			8,51	28,55	31,34	34,76	F05210H00150033	○						
			5,03	11,20	30,08	33,35	F05210H00150049	○						
			4,04	6,22	28,81	31,95	F05210H00150065	○						

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05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,50	0,10	2,25	30,0	1,45	0,4	12	78	6	30,45	31,81	34,92	38,73	F05210H00150018	○		
									8,51	30,56	33,56	37,21	F05210H00150034	○		
									5,03	11,20	32,20	35,70	F05210H00150050	○		
									4,04	6,22	30,83	34,19	F05210H00150066	○		
									0,4	0,9	32,36	33,49	35,99	38,90	F05210H00150019	○
									0,9	8,51	32,45	34,88	37,70	F05210H00150035	○	
			1,4						5,03	11,20	33,76	36,49	F05210H00150051	○		
			1,9						4,04	6,22	32,65	35,29	F05210H00150067	○		
			0,4						35,38	36,61	39,35	42,54	F05210H00150020	○		
			0,9						8,51	35,47	38,12	41,21	F05210H00150036	○		
			1,4						5,03	11,20	36,90	39,88	F05210H00150052	○		
			1,9						4,04	6,22	35,67	38,56	F05210H00150068	○		
			0,4						38,40	39,74	42,71	-	F05210H00150021	○		
			0,9						8,51	38,49	41,37	-	F05210H00150037	○		
			1,4						5,03	11,20	40,03	-	F05210H00150053	○		
			1,9						4,04	6,22	38,69	41,82	F05210H00150069	○		
			0,4						40,42	41,82	44,95	-	F05210H00150022	○		
			0,9						8,51	40,51	43,54	-	F05210H00150038	○		
			1,4						5,03	11,20	42,12	-	F05210H00150054	○		
			1,9						4,04	6,22	40,71	-	F05210H00150070	○		
			0,4						10,27	10,72	11,76	13,02	F05210H00150071	●		
			0,9						8,39	10,38	11,38	12,60	F05210H00150084	●		
			1,4						4,97	10,03	11,00	12,18	F05210H00150097	●		
			1,9						4,00	6,11	10,61	11,75	F05210H00150113	●		
	0,4	12,29	12,83	14,07	15,59	F05210H00150072	●									
	0,9	8,39	12,39	13,59	15,06	F05210H00150085	●									
	1,4	4,97	10,95	13,11	14,52	F05210H00150098	●									
	1,9	4,00	6,11	12,63	13,99	F05210H00150114	●									
	0,4	14,24	14,73	15,82	17,09	F05210H00150073	●									
	0,9	8,39	14,32	15,38	16,61	F05210H00150086	●									
	1,4	4,97	10,95	14,94	16,13	F05210H00150099	●									
	1,9	4,00	6,11	14,50	15,66	F05210H00150115	●									
	0,4	15,25	15,77	16,94	18,30	F05210H00150004	●									
	0,9	8,39	15,33	16,46	17,78	F05210H00150005	●									
	1,4	4,97	10,95	15,98	17,26	F05210H00150100	●									
	1,9	4,00	6,11	15,51	16,75	F05210H00150116	●									
	0,4	16,25	16,81	18,06	19,51	F05210H00150074	●									
	0,9	8,39	16,33	17,54	18,95	F05210H00150087	●									
	1,4	4,97	10,95	17,03	18,39	F05210H00150101	●									
	1,9	4,00	6,11	16,51	17,84	F05210H00150117	●									
	0,4	18,27	18,90	20,30	21,93	F05210H00150075	●									
	0,9	8,39	18,35	19,71	21,29	F05210H00150088	●									
	1,4	4,97	10,95	19,12	20,65	F05210H00150102	●									
	1,9	4,00	6,11	18,53	20,01	F05210H00150118	●									
	0,4	20,28	20,98	22,54	24,35	F05210H00150007	●									
	0,9	8,39	20,36	21,87	23,63	F05210H00150008	●									
	1,4	4,97	10,95	21,21	22,91	F05210H00150103	●									
	1,9	4,00	6,11	20,54	22,19	F05210H00150119	●									
0,4	22,29	23,06	24,78	26,77	F05210H00150076	●										
0,9	8,39	22,38	24,04	25,97	F05210H00150089	●										
1,4	4,97	10,95	23,30	25,17	F05210H00150104	●										
1,9	4,00	6,11	22,56	24,37	F05210H00150120	●										



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λ 30°

4S

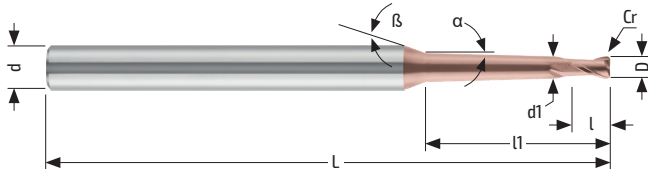


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
1,50	0,20	2,25	24,0	1,45	0,4	15	60	6	24,31	25,15	27,02	29,19	F05210H00150077	●				
									8,39	24,39	26,20	28,31	F05210H00150090	●				
									4,97	10,95	25,39	27,43	F05210H00150105	●				
									4,00	6,11	24,57	26,55	F05210H00150121	●				
									0,9	0,4	25,23	25,86	27,22	28,74	F05210H00150010	●		
									1,4	0,9	8,39	25,29	26,62	28,10	F05210H00150011	●		
			25,0	20	1,9	0,4	12	78	15	6	4,97	10,95	26,01	27,46	F05210H00150106	●		
											4,00	6,11	25,41	26,82	F05210H00150122	●		
											0,9	0,4	28,43	29,69	32,59	36,13	F05210H00150078	●
											1,4	0,9	8,39	28,54	31,32	34,72	F05210H00150091	●
											1,9	1,4	4,97	10,95	30,06	33,32	F05210H00150107	●
											4,00	6,11	28,79	31,91	F05210H00150123	●		
			28,0	12	0,9	0,4	15	78	15	6	30,44	31,80	34,90	38,69	F05210H00150079	●		
											8,39	30,55	33,54	37,18	F05210H00150092	●		
											4,97	10,95	32,18	35,67	F05210H00150108	●		
											4,00	6,11	30,81	34,15	F05210H00150124	●		
											0,9	0,4	32,36	33,48	35,98	38,88	F05210H00150080	●
											1,4	0,9	8,39	32,44	34,86	37,67	F05210H00150093	●
			30,0	15	1,9	0,4	12	78	15	6	4,97	10,95	33,75	36,47	F05210H00150109	●		
											4,00	6,11	32,63	35,26	F05210H00150125	●		
											0,9	0,4	35,38	36,61	39,34	42,51	F05210H00150081	●
											1,4	0,9	8,39	35,47	38,11	41,19	F05210H00150094	●
											1,9	1,4	4,97	10,95	36,88	39,86	F05210H00150110	●
											4,00	6,11	35,66	38,53	F05210H00150126	●		
	32,0	15	1,9	0,4	12	78	15	6	38,40	39,73	42,70	-	F05210H00150082	●				
									8,39	38,49	41,36	-	F05210H00150095	●				
									4,97	10,95	40,02	-	F05210H00150111	●				
									4,00	6,11	38,68	41,80	F05210H00150127	●				
									0,9	0,4	40,41	41,82	44,94	-	F05210H00150083	●		
									1,4	0,9	8,39	40,50	43,52	-	F05210H00150096	●		
	35,0	15	1,9	0,4	12	78	15	6	4,97	10,95	42,11	-	F05210H00150112	●				
									4,00	6,11	40,69	-	F05210H00150128	●				
									0,9	0,4	10,27	10,71	11,74	12,99	F05210H00150129	●		
									1,4	0,9	8,26	10,37	11,36	12,57	F05210H00150145	●		
									1,9	1,4	4,92	10,02	10,98	12,14	F05210H00150161	●		
									4,00	6,11	3,96	6,00	10,60	11,72	F05210H00150177	●		
	38,0	12	0,9	0,4	12	60	15	6	12,28	12,82	14,05	15,55	F05210H00150130	●				
									8,26	12,38	13,57	15,02	F05210H00150146	●				
									4,92	10,70	13,09	14,49	F05210H00150162	●				
									0,9	0,4	3,96	6,00	12,61	13,96	F05210H00150178	●		
									1,4	0,9	10,27	10,71	11,74	12,99	F05210H00150129	●		
									1,9	1,4	8,26	10,37	11,36	12,57	F05210H00150145	●		
	40,0	12	1,9	0,4	12	60	15	6	4,92	10,02	10,98	12,14	F05210H00150161	●				
									3,96	6,00	10,60	11,72	F05210H00150177	●				
									12,28	12,82	14,05	15,55	F05210H00150130	●				
									8,26	12,38	13,57	15,02	F05210H00150146	●				
									4,92	10,70	13,09	14,49	F05210H00150162	●				
									3,96	6,00	12,61	13,96	F05210H00150178	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,30	2,25	14,0	1,45	0,4	15	60	6	14,24	14,72	15,80	17,06	F05210H00150131	●
					0,9				8,26	14,31	15,36	16,59	F05210H00150147	●
					1,4				4,92	10,70	14,92	16,11	F05210H00150163	●
					1,9				3,96	6,00	14,48	15,63	F05210H00150179	●
			0,4		15,24				15,76	16,92	18,27	F05210H00150132	●	
			0,9		8,26				15,32	16,45	17,76	F05210H00150148	●	
			1,4		4,92				10,70	15,97	17,24	F05210H00150164	●	
			1,9		3,96				6,00	15,49	16,72	F05210H00150180	●	
			0,4		16,25				16,81	18,04	19,48	F05210H00150133	●	
			0,9		8,26				16,33	17,53	18,93	F05210H00150149	●	
			1,4		4,92				10,70	17,01	18,37	F05210H00150165	●	
			1,9		3,96				6,00	16,50	17,81	F05210H00150181	●	
			0,4		18,26	18,89			20,28	21,90	F05210H00150134	●		
			0,9		8,26	18,34			19,69	21,27	F05210H00150150	●		
			1,4		4,92	10,70			19,10	20,63	F05210H00150166	●		
			1,9		3,96	6,00			18,51	19,99	F05210H00150182	●		
			0,4		20,28	20,97			22,52	24,33	F05210H00150135	●		
			0,9		8,26	20,35			21,86	23,61	F05210H00150151	●		
			1,4		4,92	10,70			21,19	22,89	F05210H00150167	●		
			1,9		3,96	6,00			20,53	22,17	F05210H00150183	●		
			0,4		22,29	23,06			24,76	26,75	F05210H00150136	●		
			0,9		8,26	22,37			24,02	25,95	F05210H00150152	●		
			1,4		4,92	10,70			23,28	25,15	F05210H00150168	●		
			1,9		3,96	6,00			22,54	24,35	F05210H00150184	●		
			0,4		24,30	25,14	27,00		29,17	F05210H00150137	●			
			0,9		8,26	24,38	26,19		28,29	F05210H00150153	●			
			1,4		4,92	10,70	25,37		27,41	F05210H00150169	●			
			1,9		3,96	6,00	24,56		26,53	F05210H00150185	●			
			0,4		25,23	25,85	27,21		28,72	F05210H00150138	●			
			0,9		8,26	25,28	26,61		28,08	F05210H00150154	●			
			1,4		4,92	10,70	26,00		27,45	F05210H00150170	●			
			1,9		3,96	6,00	25,40		26,81	F05210H00150186	●			
			0,4		28,42	29,68	32,57		36,09	F05210H00150139	●			
			0,9		8,26	28,53	31,30		34,69	F05210H00150155	●			
			1,4		4,92	10,70	30,04		33,29	F05210H00150171	●			
			1,9		3,96	6,00	28,77		31,88	F05210H00150187	●			
			0,4		30,44	31,79	34,88		38,66	F05210H00150140	●			
			0,9		8,26	30,55	33,52		37,15	F05210H00150156	●			
			1,4		4,92	10,70	32,16		35,64	F05210H00150172	●			
			1,9		3,96	6,00	30,79		34,12	F05210H00150188	●			
			0,4		32,36	33,47	35,96		38,86	F05210H00150141	●			
			0,9		8,26	32,44	34,85		37,65	F05210H00150157	●			
			1,4		4,92	10,70	33,73		36,45	F05210H00150173	●			
			1,9		3,96	6,00	32,62		35,24	F05210H00150189	●			
			0,4		35,38	36,60	39,32		42,49	F05210H00150142	●			
			0,9		8,26	35,46	38,09		41,16	F05210H00150158	●			
			1,4		4,92	10,70	36,87		39,83	F05210H00150174	●			
			1,9		3,96	6,00	35,64		38,51	F05210H00150190	●			
			0,4		38,40	39,73	42,68		-	F05210H00150143	●			
			0,9		8,26	38,48	41,34		-	F05210H00150159	●			
			1,4		4,92	10,70	40,00		43,22	F05210H00150175	●			
			1,9		3,96	6,00	38,66		41,78	F05210H00150191	●			



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



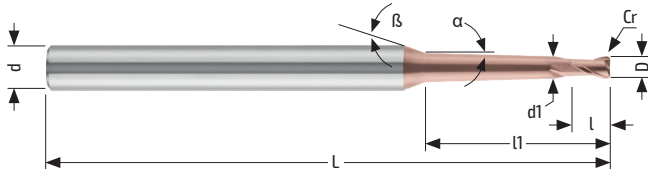
Non ISO Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,50	0,30	2,25	40,0	1,45	0,4	15	78	6	40,41	41,81	44,92	-	F05210H00150144	●		
					0,9				8,26	40,49	43,51	-	F05210H00150160	●		
					1,4				4,92	10,70	42,09	-	F05210H00150176	●		
					1,9				3,96	6,00	40,68	-	F05210H00150192	●		
			0,4		10,0	12			10,26	10,70	11,70	12,92	F05210H00150193	○		
			0,9						8,01	10,35	11,32	12,50	F05210H00150209	○		
			1,4						4,81	10,00	10,94	12,08	F05210H00150225	○		
			1,9						3,89	5,78	10,56	11,65	F05210H00150241	○		
			0,4						12,0	15	12,28	12,80	14,01	15,49	F05210H00150194	○
			0,9								8,01	12,37	13,53	14,96	F05210H00150210	○
			1,4								4,81	10,20	13,06	14,43	F05210H00150226	○
			1,9								3,89	5,78	12,58	13,89	F05210H00150242	○
	0,4	14,0	15	14,23	14,71	15,77	17,01		F05210H00150195	○						
	0,9			8,01	14,30	15,33	16,54		F05210H00150211	○						
	1,4			4,81	10,20	14,89	16,06		F05210H00150227	○						
	1,9			3,89	5,78	14,45	15,59		F05210H00150243	○						
	0,4	15,0	15	15,24	15,75	16,89	18,22		F05210H00150196	○						
	0,9			8,01	15,31	16,42	17,71		F05210H00150212	○						
	1,4			4,81	10,20	15,94	17,19		F05210H00150228	○						
	1,9			3,89	5,78	15,46	16,67		F05210H00150244	○						
	0,50	2,25	2,25	16,0	1,45	15	60		16,24	16,79	18,01	19,43	F05210H00150197	○		
									0,9	8,01	16,31	17,50	18,88	F05210H00150213	○	
									1,4	4,81	10,20	16,98	18,32	F05210H00150229	○	
									1,9	3,89	5,78	16,47	17,76	F05210H00150245	○	
				0,4		18,0			15	18,26	18,88	20,25	21,86	F05210H00150198	○	
				0,9						8,01	18,33	19,66	21,22	F05210H00150214	○	
				1,4						4,81	10,20	19,07	20,58	F05210H00150230	○	
				1,9						3,89	5,78	18,48	19,94	F05210H00150246	○	
				0,4		20,0			15	20,27	20,96	22,49	24,28	F05210H00150199	○	
				0,9						8,01	20,34	21,83	23,56	F05210H00150215	○	
				1,4						4,81	10,20	21,16	22,84	F05210H00150231	○	
				1,9						3,89	5,78	20,50	22,12	F05210H00150247	○	
				0,4		22,0			15	22,28	23,04	24,73	26,70	F05210H00150200	○	
				0,9						8,01	22,35	23,99	25,90	F05210H00150216	○	
				1,4						4,81	10,20	23,25	25,10	F05210H00150232	○	
				1,9						3,89	5,78	22,51	24,30	F05210H00150248	○	
24,0				2,25		2,25		15	24,30	25,13	26,97	29,12	F05210H00150201	○		
									0,9	8,01	24,37	26,16	28,24	F05210H00150217	○	
									1,4	4,81	10,20	25,34	27,36	F05210H00150233	○	
									1,9	3,89	5,78	24,53	26,48	F05210H00150249	○	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
1,50	0,50	2,25	25,0	1,45	0,4	20	60	6	25,22	25,84	27,19	28,69	F05210H00150202	○					
									8,01	25,27	26,58	28,05	F05210H00150218	○					
									4,81	10,20	25,98	27,41	F05210H00150234	○					
									3,89	5,78	25,38	26,77	F05210H00150250	○					
									0,9	12	78	0,4	28,41	29,66	32,53	36,03	F05210H00150203	○	
									0,9			8,01	28,51	31,26	34,62	F05210H00150219	○		
									1,4			4,81	10,20	30,00	33,22	F05210H00150235	○		
									1,9			3,89	5,78	28,73	31,82	F05210H00150251	○		
									0,4			30,43	31,77	34,84	38,60	F05210H00150204	○		
									0,9			8,01	30,53	33,48	37,08	F05210H00150220	○		
									1,4			4,81	10,20	32,12	35,57	F05210H00150236	○		
									1,9			3,89	5,78	30,75	34,06	F05210H00150252	○		
			0,4		32,35	33,46	35,93		38,81			F05210H00150205	○						
			0,9		8,01	32,42	34,82		37,60			F05210H00150221	○						
			1,4		4,81	10,20	33,70		36,40			F05210H00150237	○						
			1,9		3,89	5,78	32,59		35,19			F05210H00150253	○						
			0,4		15	84	0,4		35,37	36,59	39,29	42,44	F05210H00150206	○					
			0,9				8,01		35,44	38,06	41,11	F05210H00150222	○						
			1,4				4,81		10,20	36,84	39,79	F05210H00150238	○						
			1,9				3,89		5,78	35,61	38,46	F05210H00150254	○						
			0,4				38,39		39,71	42,65	-	F05210H00150207	○						
			0,9				8,01		38,47	41,31	-	F05210H00150223	○						
			1,4				4,81		10,20	39,97	43,18	F05210H00150239	○						
			1,9				3,89		5,78	38,63	41,73	F05210H00150255	○						
			0,4				40,40		41,80	44,89	-	F05210H00150208	○						
			0,9				8,01		40,48	43,48	-	F05210H00150224	○						
			1,4				4,81		10,20	42,06	-	F05210H00150240	○						
			1,9				3,89		5,78	40,65	-	F05210H00150256	○						
			2,00		0,10	3,00	10,0		1,90	0,4	12	60	10,42	10,89	11,95	13,24	F05210H00200003	○	
													0,9	10,12	10,57	11,60	12,86	F05210H00200030	○
													1,4	7,79	10,26	11,26	12,48	F05210H00200047	○
													1,9	6,08	9,40	10,92	12,10	F05210H00200064	○
													0,4	12,44	12,99	14,26	15,81	F05210H00200006	○
													0,9	12,06	12,59	13,82	15,32	F05210H00200031	○
													1,4	7,79	12,19	13,38	14,83	F05210H00200048	○
													1,9	6,08	9,40	12,94	14,34	F05210H00200065	○
													0,4	14,46	15,10	16,58	18,38	F05210H00200009	○
													0,9	13,78	14,61	16,04	17,78	F05210H00200032	○
													1,4	7,79	14,12	15,50	17,18	F05210H00200049	○
													1,9	6,08	9,40	14,95	16,58	F05210H00200066	○
							0,4			15,37	15,90		17,08	18,46	F05210H00200012	○			
							0,9			13,78	15,48		16,63	17,98	F05210H00200033	○			
							1,4			7,79	15,06		16,18	17,49	F05210H00200050	○			
							1,9			6,08	9,40		15,73	17,00	F05210H00200067	○			
							0,4			16,37	16,94		18,20	19,67	F05210H00200015	○			
							0,9			13,78	16,49		17,72	19,15	F05210H00200034	○			
							1,4			7,79	16,03		17,23	18,62	F05210H00200051	○			
							1,9			6,08	9,40		16,74	18,09	F05210H00200068	○			
0,4	18,39	19,02		20,44			22,09	F05210H00200018		○									
0,9	13,78	18,50		19,88			21,49	F05210H00200035		○									
1,4	7,79	17,40		19,32			20,88	F05210H00200052		○									
1,9	6,08	9,40		18,76			20,27	F05210H00200069		○									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



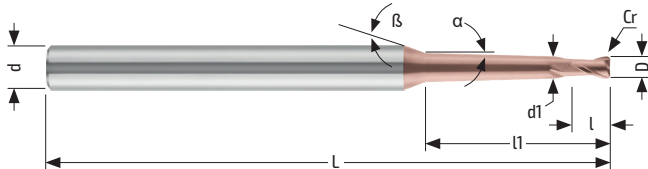
Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,10	3,00	20,0	1,90	0,4	15	60	6	20,40	21,11	22,68	24,51	F05210H00200019	○
									13,78	20,52	22,05	23,83	F05210H00200036	○
									7,79	17,40	21,41	23,14	F05210H00200053	○
									6,08	9,40	20,77	22,45	F05210H00200070	○
									22,41	23,19	24,92	26,94	F05210H00200020	○
									13,78	22,53	24,21	26,17	F05210H00200037	○
									7,79	17,40	23,50	25,40	F05210H00200054	○
									6,08	9,40	22,79	24,63	F05210H00200071	○
									24,43	25,27	27,16	29,36	F05210H00200021	○
									13,78	24,54	26,38	28,51	F05210H00200038	○
									7,79	17,40	25,59	27,66	F05210H00200055	○
									6,08	9,40	24,80	26,81	F05210H00200072	○
			25,43	26,32	28,28	30,57	F05210H00200022	○						
			13,78	25,55	27,46	29,68	F05210H00200039	○						
			7,79	17,40	26,63	28,79	F05210H00200056	○						
			6,08	9,40	25,81	27,90	F05210H00200073	○						
			28,58	29,85	32,78	36,35	F05210H00200023	○						
			13,78	28,73	31,55	34,99	F05210H00200040	○						
			7,79	17,40	30,32	33,62	F05210H00200057	○						
			6,08	9,40	29,09	32,26	F05210H00200074	○						
			30,60	31,96	35,09	-	F05210H00200024	○						
			13,78	30,75	33,77	37,44	F05210H00200041	○						
			7,79	17,40	32,44	35,97	F05210H00200058	○						
			6,08	9,40	31,11	34,50	F05210H00200075	○						
			32,61	34,07	37,41	-	F05210H00200025	○						
			13,78	32,77	35,98	-	F05210H00200042	○						
			7,79	17,40	34,56	-	F05210H00200059	○						
			6,08	9,40	33,13	36,74	F05210H00200076	○						
			35,50	36,73	39,48	-	F05210H00200026	○						
			13,78	35,62	38,28	-	F05210H00200043	○						
			7,79	17,40	37,08	-	F05210H00200060	○						
			6,08	9,40	35,88	-	F05210H00200077	○						
			38,52	39,86	42,84	-	F05210H00200027	○						
			13,78	38,64	41,53	-	F05210H00200044	○						
			7,79	17,40	40,22	-	F05210H00200061	○						
			6,08	9,40	38,91	-	F05210H00200078	○						
			40,53	41,94	45,08	-	F05210H00200028	○						
			13,78	40,65	43,69	-	F05210H00200045	○						
			7,79	17,40	42,31	-	F05210H00200062	○						
			6,08	9,40	40,92	-	F05210H00200079	○						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,10	3,00	45,0			20	78		45,41	46,55	49,02	-	F05210H00200029	○	
									13,78	45,50	47,91	-	F05210H00200046	○	
									7,79	17,40	46,79	-	F05210H00200063	○	
									6,08	9,40	45,68	-	F05210H00200080	○	
									0,4	10,42	10,88	11,93	13,21	F05210H00200081	●
									0,9	10,12	10,56	11,58	12,83	F05210H00200095	●
									1,4	7,73	10,25	11,24	12,45	F05210H00200109	●
									1,9	6,04	9,29	10,90	12,06	F05210H00200126	●
									0,4	12,44	12,98	14,24	15,78	F05210H00200082	●
									0,9	12,05	12,58	13,80	15,29	F05210H00200096	●
			10,0			12			7,73	12,18	13,36	14,80	F05210H00200110	●	
									6,04	9,29	12,92	14,30	F05210H00200127	●	
									0,4	14,45	15,09	16,56	18,34	F05210H00200083	●
									0,9	13,66	14,60	16,02	17,74	F05210H00200097	●
									1,4	7,73	14,11	15,48	17,14	F05210H00200111	●
									1,9	6,04	9,29	14,94	16,54	F05210H00200128	●
									0,4	15,36	15,89	17,07	18,44	F05210H00200084	●
									0,9	13,66	15,47	16,62	17,95	F05210H00200098	●
									1,4	7,73	15,06	16,17	17,46	F05210H00200112	●
									1,9	6,04	9,29	15,72	16,98	F05210H00200129	●
			12,0			15			0,4	16,37	16,93	18,19	19,65	F05210H00200085	●
									0,9	13,66	16,48	17,70	19,12	F05210H00200099	●
									1,4	7,73	16,03	17,21	18,59	F05210H00200113	●
									1,9	6,04	9,29	16,73	18,07	F05210H00200130	●
									0,4	18,38	19,02	20,43	22,07	F05210H00200086	●
									0,9	13,66	18,49	19,87	21,46	F05210H00200100	●
									1,4	7,73	17,15	19,30	20,85	F05210H00200114	●
									1,9	6,04	9,29	18,74	20,25	F05210H00200131	●
									0,4	20,40	21,10	22,67	24,49	F05210H00200087	●
									0,9	13,66	20,51	22,03	23,80	F05210H00200101	●
			14,0			60			7,73	17,15	21,39	23,11	F05210H00200115	●	
									6,04	9,29	20,76	22,42	F05210H00200132	●	
									0,4	22,41	23,18	24,91	26,91	F05210H00200088	●
									0,9	13,66	22,52	24,20	26,14	F05210H00200102	●
									1,4	7,73	17,15	23,48	25,37	F05210H00200116	●
									1,9	6,04	9,29	22,77	24,60	F05210H00200133	●
									0,4	24,42	25,27	27,15	29,33	F05210H00200089	●
									0,9	13,66	24,54	26,36	28,48	F05210H00200103	●
									1,4	7,73	17,15	25,57	27,63	F05210H00200117	●
									1,9	6,04	9,29	24,79	26,78	F05210H00200134	●
			16,0			78			25,43	26,31	28,27	30,54	F05210H00200001	●	
									0,9	13,66	25,54	27,44	29,65	F05210H00200002	●
									1,4	7,73	17,15	26,62	28,76	F05210H00200118	●
									1,9	6,04	9,29	25,79	27,87	F05210H00200135	●
									0,4	28,57	29,84	32,76	36,31	F05210H00200090	●
									0,9	13,66	28,73	31,53	34,95	F05210H00200104	●
									1,4	7,73	17,15	30,30	33,59	F05210H00200119	●
									1,9	6,04	9,29	29,07	32,23	F05210H00200136	●
									0,4	30,59	31,95	35,07	-	F05210H00200091	●
									0,9	13,66	30,74	33,75	37,41	F05210H00200105	●
			18,0			12			7,73	17,15	32,42	35,94	F05210H00200120	●	
									6,04	9,29	31,09	34,47	F05210H00200137	●	
			18,0	1,90		15			13,66	18,49	19,87	21,46	F05210H00200100	●	
									7,73	17,15	19,30	20,85	F05210H00200114	●	
									6,04	9,29	18,74	20,25	F05210H00200131	●	
									0,4	20,40	21,10	22,67	24,49	F05210H00200087	●
									0,9	13,66	20,51	22,03	23,80	F05210H00200101	●
									1,4	7,73	17,15	21,39	23,11	F05210H00200115	●
									1,9	6,04	9,29	20,76	22,42	F05210H00200132	●
									0,4	22,41	23,18	24,91	26,91	F05210H00200088	●
									0,9	13,66	22,52	24,20	26,14	F05210H00200102	●
									1,4	7,73	17,15	23,48	25,37	F05210H00200116	●
			20,0			12			6,04	9,29	22,77	24,60	F05210H00200133	●	
									0,4	24,42	25,27	27,15	29,33	F05210H00200089	●
									0,9	13,66	24,54	26,36	28,48	F05210H00200103	●
									1,4	7,73	17,15	25,57	27,63	F05210H00200117	●
									1,9	6,04	9,29	24,79	26,78	F05210H00200134	●
									0,4	25,43	26,31	28,27	30,54	F05210H00200001	●
									0,9	13,66	25,54	27,44	29,65	F05210H00200002	●
									1,4	7,73	17,15	26,62	28,76	F05210H00200118	●
									1,9	6,04	9,29	25,79	27,87	F05210H00200135	●
									0,4	28,57	29,84	32,76	36,31	F05210H00200090	●
			22,0			78			13,66	28,73	31,53	34,95	F05210H00200104	●	
									7,73	17,15	30,30	33,59	F05210H00200119	●	
									6,04	9,29	29,07	32,23	F05210H00200136	●	
									0,4	30,59	31,95	35,07	-	F05210H00200091	●
									0,9	13,66	30,74	33,75	37,41	F05210H00200105	●
									1,4	7,73	17,15	32,42	35,94	F05210H00200120	●
									1,9	6,04	9,29	31,09	34,47	F05210H00200137	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

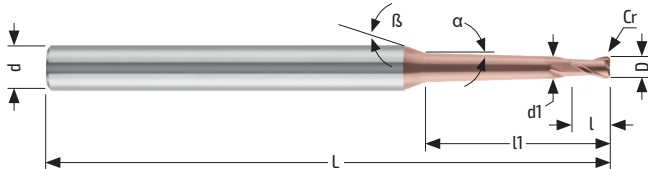


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,20	3,00	32,0	1,90	0,4	12	78	6	32,61	34,06	37,39	-	F05210H00200092	●
									13,66	32,76	35,96	-	F05210H00200106	●
									7,73	17,15	34,54	38,29	F05210H00200121	●
			6,04						9,29	33,11	36,71	F05210H00200138	●	
			35,50						36,73	39,47	-	F05210H00200004	●	
			13,66						35,61	38,27	-	F05210H00200005	●	
		7,73	17,15	37,07	-	F05210H00200122	●							
		6,04	9,29	35,87	-	F05210H00200139	●							
		38,52	39,85	42,83	-	F05210H00200093	●							
		13,66	38,63	41,51	-	F05210H00200107	●							
		7,73	17,15	40,20	-	F05210H00200123	●							
		6,04	9,29	38,89	-	F05210H00200140	●							
	40,53	41,94	45,07	-	F05210H00200094	●								
	13,66	40,65	43,68	-	F05210H00200108	●								
	7,73	17,15	42,29	-	F05210H00200124	●								
	6,04	9,29	40,91	-	F05210H00200141	●								
	45,41	46,55	49,01	-	F05210H00200007	●								
	13,66	45,49	47,90	-	F05210H00200008	●								
	7,73	17,15	46,78	-	F05210H00200125	●								
	6,04	9,29	45,67	-	F05210H00200142	●								
	10,42	10,87	11,91	13,18	F05210H00200143	●								
	10,12	10,56	11,56	12,79	F05210H00200160	●								
	7,68	10,24	11,22	12,41	F05210H00200177	●								
	6,00	9,17	10,88	12,03	F05210H00200194	●								
12,43	12,98	14,22	15,74	F05210H00200144	●									
12,05	12,57	13,78	15,25	F05210H00200161	●									
7,68	12,17	13,34	14,76	F05210H00200178	●									
6,00	9,17	12,90	14,27	F05210H00200195	●									
14,45	15,08	16,54	18,31	F05210H00200145	●									
13,53	14,59	16,00	17,71	F05210H00200162	●									
7,68	14,10	15,46	17,11	F05210H00200179	●									
6,00	9,17	14,92	16,51	F05210H00200196	●									
15,36	15,88	17,05	18,41	F05210H00200146	●									
13,53	15,47	16,60	17,93	F05210H00200163	●									
7,68	15,05	16,15	17,44	F05210H00200180	●									
6,00	9,17	15,70	16,95	F05210H00200197	●									
16,37	16,93	18,17	19,62	F05210H00200147	●									
13,53	16,47	17,69	19,10	F05210H00200164	●									
7,68	16,02	17,20	18,57	F05210H00200181	●									
6,00	9,17	16,71	18,04	F05210H00200198	●									
0,30	3,00	14,0	1,90	0,4	12	60	6	10,42	10,87	11,91	13,18	F05210H00200143	●	
								10,12	10,56	11,56	12,79	F05210H00200160	●	
								7,68	10,24	11,22	12,41	F05210H00200177	●	
		6,00						9,17	10,88	12,03	F05210H00200194	●		
		12,43						12,98	14,22	15,74	F05210H00200144	●		
		12,05						12,57	13,78	15,25	F05210H00200161	●		
	7,68	12,17	13,34	14,76	F05210H00200178	●								
	6,00	9,17	12,90	14,27	F05210H00200195	●								
	14,45	15,08	16,54	18,31	F05210H00200145	●								
	13,53	14,59	16,00	17,71	F05210H00200162	●								
	7,68	14,10	15,46	17,11	F05210H00200179	●								
	6,00	9,17	14,92	16,51	F05210H00200196	●								
15,36	15,88	17,05	18,41	F05210H00200146	●									
13,53	15,47	16,60	17,93	F05210H00200163	●									
7,68	15,05	16,15	17,44	F05210H00200180	●									
6,00	9,17	15,70	16,95	F05210H00200197	●									
16,37	16,93	18,17	19,62	F05210H00200147	●									
13,53	16,47	17,69	19,10	F05210H00200164	●									
7,68	16,02	17,20	18,57	F05210H00200181	●									
6,00	9,17	16,71	18,04	F05210H00200198	●									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
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05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,30	3,00	18,0	1,90	0,4	15	60	6	18,38	19,01	20,41	22,04	F05210H00200148	●	
									13,53	18,49	19,85	21,44	F05210H00200165	●	
									7,68	16,90	19,29	20,83	F05210H00200182	●	
									6,00	9,17	18,73	20,22	F05210H00200199	●	
									20,39	21,09	22,65	24,47	F05210H00200149	●	
									13,53	20,50	22,02	23,78	F05210H00200166	●	
									7,68	16,90	21,38	23,09	F05210H00200183	●	
									6,00	9,17	20,74	22,40	F05210H00200200	●	
									22,41	23,18	24,89	26,89	F05210H00200150	●	
									13,53	22,52	24,18	26,12	F05210H00200167	●	
									7,68	16,90	23,47	25,35	F05210H00200184	●	
									6,00	9,17	22,76	24,58	F05210H00200201	●	
			20,0	1,90	0,4	15	60	6	24,42	25,26	27,13	29,31	F05210H00200151	●	
									0,9	13,53	24,53	26,35	28,46	F05210H00200168	●
									1,4	7,68	16,90	25,56	27,61	F05210H00200185	●
									1,9	6,00	9,17	24,77	26,76	F05210H00200202	●
									0,4	25,43	26,30	28,25	30,52	F05210H00200152	●
									0,9	13,53	25,54	27,43	29,63	F05210H00200169	●
									1,4	7,68	16,90	26,60	28,74	F05210H00200186	●
									1,9	6,00	9,17	25,78	27,85	F05210H00200203	●
									0,4	28,57	29,83	32,74	36,28	F05210H00200153	●
									0,9	13,53	28,72	31,51	34,92	F05210H00200170	●
									1,4	7,68	16,90	30,28	33,56	F05210H00200187	●
									1,9	6,00	9,17	29,05	32,19	F05210H00200204	●
			22,0	1,90	0,4	12	78	6	30,59	31,94	35,05	-	F05210H00200154	●	
									13,53	30,73	33,73	37,38	F05210H00200171	●	
									7,68	16,90	32,40	35,91	F05210H00200188	●	
									6,00	9,17	31,07	34,43	F05210H00200205	●	
									0,4	32,60	34,05	37,37	-	F05210H00200155	●
									0,9	13,53	32,75	35,94	-	F05210H00200172	●
									1,4	7,68	16,90	34,52	38,26	F05210H00200189	●
									1,9	6,00	9,17	33,09	36,67	F05210H00200206	●
									0,4	35,49	36,72	39,45	-	F05210H00200156	●
									0,9	13,53	35,61	38,25	-	F05210H00200173	●
									1,4	7,68	16,90	37,05	-	F05210H00200190	●
									1,9	6,00	9,17	35,85	-	F05210H00200207	●
			24,0	1,90	0,4	15	60	6	38,51	39,85	42,81	-	F05210H00200157	●	
									13,53	38,63	41,50	-	F05210H00200174	●	
									7,68	16,90	40,19	-	F05210H00200191	●	
									6,00	9,17	38,88	-	F05210H00200208	●	
									0,4	40,53	41,93	45,05	-	F05210H00200158	●
									0,9	13,53	40,64	43,66	-	F05210H00200175	●
									1,4	7,68	16,90	42,28	-	F05210H00200192	●
									1,9	6,00	9,17	40,89	-	F05210H00200209	●
									0,4	45,41	46,54	49,00	-	F05210H00200159	●
									0,9	13,53	45,49	47,89	-	F05210H00200176	●
									1,4	7,68	16,90	46,77	-	F05210H00200193	●
									1,9	6,00	9,17	45,66	-	F05210H00200210	●
			25,0	1,90	0,4	12	60	6	10,41	10,85	11,87	13,11	F05210H00200211	●	
									0,9	10,11	10,54	11,52	12,73	F05210H00200225	●
									1,4	7,57	10,22	11,18	12,35	F05210H00200239	●
									1,9	5,93	8,95	10,84	11,97	F05210H00200256	●
0,4	18,0	19,01							20,41	22,04	F05210H00200148	●			
0,9	13,53	18,49							19,85	21,44	F05210H00200165	●			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

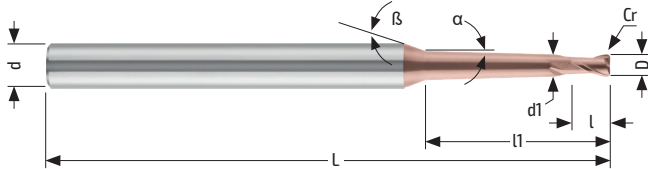


**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,50	3,00	12,0	1,90	0,4	12	60	6	12,42	12,96	14,18	15,68	F05210H00200212	●	
									12,04	12,56	13,74	15,19	F05210H00200226	●	
									7,57	12,15	13,30	14,70	F05210H00200240	●	
									5,93	8,95	12,86	14,21	F05210H00200257	●	
									0,4	14,44	15,07	16,50	18,25	F05210H00200213	●
									0,9	13,28	14,57	15,96	17,65	F05210H00200227	●
									1,4	7,57	14,08	15,42	17,05	F05210H00200241	●
									1,9	5,93	8,95	14,88	16,45	F05210H00200258	●
									0,4	15,35	15,87	17,02	18,36	F05210H00200214	●
									0,9	13,28	15,45	16,57	17,88	F05210H00200228	●
									1,4	7,57	15,03	16,12	17,39	F05210H00200242	●
									1,9	5,93	8,95	15,67	16,91	F05210H00200259	●
			0,4	16,36	16,91	18,14	19,57	F05210H00200215	●						
			0,9	13,28	16,46	17,66	19,05	F05210H00200229	●						
			1,4	7,57	16,01	17,17	18,52	F05210H00200243	●						
			1,9	5,93	8,95	16,68	17,99	F05210H00200260	●						
			0,4	18,37	19,00	20,38	22,00	F05210H00200216	●						
			0,9	13,28	18,47	19,82	21,39	F05210H00200230	●						
			1,4	7,57	16,40	19,26	20,78	F05210H00200244	●						
			1,9	5,93	8,95	18,70	20,17	F05210H00200261	●						
			0,4	20,39	21,08	22,62	24,42	F05210H00200217	●						
			0,9	13,28	20,49	21,99	23,73	F05210H00200231	●						
			1,4	7,57	16,40	21,35	23,04	F05210H00200245	●						
			1,9	5,93	8,95	20,71	22,35	F05210H00200262	●						
			0,4	22,40	23,16	24,86	26,84	F05210H00200218	●						
			0,9	13,28	22,50	24,15	26,07	F05210H00200232	●						
			1,4	7,57	16,40	23,44	25,30	F05210H00200246	●						
			1,9	5,93	8,95	22,73	24,53	F05210H00200263	●						
			0,4	24,41	25,25	27,10	29,26	F05210H00200219	●						
			0,9	13,28	24,52	26,32	28,41	F05210H00200233	●						
			1,4	7,57	16,40	25,53	27,56	F05210H00200247	●						
			1,9	5,93	8,95	24,74	26,71	F05210H00200264	●						
			0,4	25,42	26,29	28,22	30,47	F05210H00200010	●						
			0,9	13,28	25,52	27,40	29,58	F05210H00200011	●						
			1,4	7,57	16,40	26,57	28,69	F05210H00200248	●						
			1,9	5,93	8,95	25,75	27,80	F05210H00200265	●						
			0,4	28,56	29,82	32,70	36,22	F05210H00200220	●						
			0,9	13,28	28,70	31,47	34,85	F05210H00200234	●						
			1,4	7,57	16,40	30,24	33,49	F05210H00200249	●						
			1,9	5,93	8,95	29,01	32,13	F05210H00200266	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



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05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock						
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°								
2,00	0,50	3,00	30,0	1,90	0,4	12	78	6	30,58	31,92	35,01	-	F05210H00200221	●						
					0,9				13,28	30,72	33,69	37,31	F05210H00200235	●						
					1,4				7,57	16,40	32,36	35,84	F05210H00200250	●						
					1,9				5,93	8,95	31,03	34,37	F05210H00200267	●						
					0,4				32,60	34,03	37,33	-	F05210H00200222	●						
					0,9				13,28	32,73	35,90	-	F05210H00200236	●						
					1,4				7,57	16,40	34,48	38,19	F05210H00200251	●						
					1,9				5,93	8,95	33,05	36,61	F05210H00200268	●						
					0,4				35,49	36,71	39,42	-	F05210H00200013	●						
					0,9				13,28	35,59	38,22	-	F05210H00200014	●						
					1,4				7,57	16,40	37,02	-	F05210H00200252	●						
					1,9				5,93	8,95	35,82	-	F05210H00200269	●						
			0,4		38,51	39,83			42,78	-	F05210H00200223	●								
			0,9		13,28	38,61			41,47	-	F05210H00200237	●								
			1,4		7,57	16,40			40,16	-	F05210H00200253	●								
			1,9		5,93	8,95			38,85	-	F05210H00200270	●								
			0,4		40,52	41,92			45,02	-	F05210H00200224	●								
			0,9		13,28	40,63			43,63	-	F05210H00200238	●								
			1,4		7,57	16,40			42,25	-	F05210H00200254	●								
			1,9		5,93	8,95			40,86	-	F05210H00200271	●								
			0,4		45,40	46,53			48,98	-	F05210H00200016	●								
			0,9		13,28	45,48			47,86	-	F05210H00200017	●								
			1,4		7,57	16,40			46,75	-	F05210H00200255	●								
			1,9		5,93	8,95			45,64	-	F05210H00200272	●								
			2,50		0,20	3,75			10,0	2,40	0,4	12	60	6	10,45	10,90	11,96	13,24	F05210H00250069	○
											0,9				10,18	10,62	11,65	12,90	F05210H00250086	○
											1,4				8,90	10,35	11,34	12,56	F05210H00250103	○
											1,9				7,06	10,07	11,04	12,22	F05210H00250120	○
											0,4				12,46	13,01	14,27	15,81	F05210H00250070	○
											0,9				12,11	12,64	13,87	15,36	F05210H00250087	○
											1,4				8,90	12,27	13,46	14,91	F05210H00250104	○
											1,9				7,06	10,87	13,06	14,46	F05210H00250121	○
											0,4				14,48	15,12	16,59	18,38	F05210H00250071	○
											0,9				14,04	14,66	16,08	17,82	F05210H00250088	○
											1,4				8,90	14,20	15,58	17,26	F05210H00250105	○
											1,9				7,06	10,87	15,08	16,70	F05210H00250122	○
									0,4		15,49	16,17			17,74	19,66	F05210H00250072	○		
									0,9		15,01	15,67			17,19	19,05	F05210H00250089	○		
									1,4		8,90	15,17			16,64	18,43	F05210H00250106	○		
									1,9		7,06	10,87			16,09	17,82	F05210H00250123	○		
									0,4		16,39	16,95			18,21	19,67	F05210H00250073	○		
									0,9		15,34	16,53			17,75	19,18	F05210H00250090	○		
									1,4		8,90	16,10			17,29	18,68	F05210H00250107	○		
									1,9		7,06	10,87			16,83	18,18	F05210H00250124	○		
									0,4		18,40	19,04			20,45	22,09	F05210H00250074	○		
									0,9		15,34	18,54			19,92	21,52	F05210H00250091	○		
									1,4		8,90	18,04			19,38	20,94	F05210H00250108	○		
									1,9		7,06	10,87			18,85	20,36	F05210H00250125	○		
0,4	20,42	21,12		22,69			24,51	F05210H00250075	○											
0,9	15,34	20,56		22,08			23,86	F05210H00250092	○											
1,4	8,90	19,78		21,47			23,20	F05210H00250109	○											
1,9	7,06	10,87		20,86			22,54	F05210H00250126	○											



Acciaio  
Steel



Acciaio Inox  
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Ghisa  
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HRSA - Titanio  
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 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

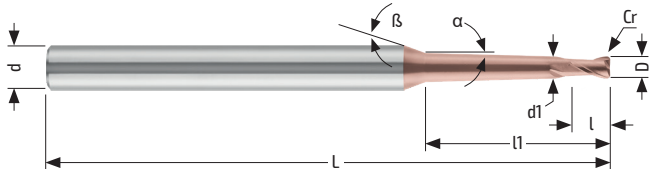


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	0,20	3,75	22,0	2,40	0,4	15	60	6	22,43	23,21	24,93	26,94	F05210H00250076	○
					0,9				15,34	22,57	24,25	26,20	F05210H00250093	○
					1,4				8,90	19,78	23,56	25,46	F05210H00250110	○
					1,9				7,06	10,87	22,88	24,72	F05210H00250127	○
					0,4				24,44	25,29	27,17	29,36	F05210H00250077	○
					0,9				15,34	24,58	26,41	28,54	F05210H00250094	○
					1,4				8,90	19,78	25,65	27,72	F05210H00250111	○
					1,9				7,06	10,87	24,89	26,90	F05210H00250128	○
					0,4				25,45	26,33	28,29	30,57	F05210H00250078	○
					0,9				15,34	25,59	27,49	29,71	F05210H00250095	○
					1,4				8,90	19,78	26,70	28,85	F05210H00250112	○
					1,9				7,06	10,87	25,90	27,99	F05210H00250129	○
			0,4	28,60	29,87	32,79	-		F05210H00250079	○				
			0,9	15,34	28,79	31,60	-		F05210H00250096	○				
			1,4	8,90	19,78	30,41	-		F05210H00250113	○				
			1,9	7,06	10,87	29,21	32,38		F05210H00250130	○				
			0,4	30,62	31,98	35,10	-		F05210H00250080	○				
			0,9	15,34	30,80	33,81	-		F05210H00250097	○				
			1,4	8,90	19,78	32,52	-		F05210H00250114	○				
			1,9	7,06	10,87	31,23	-		F05210H00250131	○				
			0,4	32,63	34,09	37,42	-		F05210H00250081	○				
			0,9	15,34	32,82	36,03	-		F05210H00250098	○				
			1,4	8,90	19,78	34,64	-		F05210H00250115	○				
			1,9	7,06	10,87	33,25	-		F05210H00250132	○				
			0,4	35,52	36,75	39,49	-		F05210H00250082	○				
			0,9	15,34	35,66	38,32	-		F05210H00250099	○				
			1,4	8,90	19,78	37,15	-		F05210H00250116	○				
			1,9	7,06	10,87	35,98	-		F05210H00250133	○				
			0,4	38,54	39,87	42,85	-		F05210H00250083	○				
			0,9	15,34	38,68	41,57	-		F05210H00250100	○				
			1,4	8,90	19,78	40,28	-		F05210H00250117	○				
			1,9	7,06	10,87	39,00	-		F05210H00250134	○				
			0,4	40,55	41,96	45,09	-		F05210H00250084	○				
			0,9	15,34	40,69	43,73	-		F05210H00250101	○				
			1,4	8,90	19,78	42,37	-		F05210H00250118	○				
			1,9	7,06	10,87	41,01	-		F05210H00250135	○				
			0,4	45,43	46,56	49,03	-		F05210H00250085	○				
			0,9	15,34	45,53	47,93	-		F05210H00250102	○				
			1,4	8,90	19,78	46,84	-		F05210H00250119	○				
			1,9	7,06	10,87	45,74	-		F05210H00250136	○				

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05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,30	3,75	10,0	2,40	0,4	12	60	6	10,44	10,90	11,94	13,21	F05210H00250137	●		
									10,17	10,62	11,63	12,87	F05210H00250154	●		
									8,84	10,34	11,32	12,53	F05210H00250171	●		
									7,02	10,06	11,02	12,19	F05210H00250188	●		
									12,0	0,4	12,46	13,00	14,25	15,78	F05210H00250138	●
									0,9	12,11	12,63	13,85	15,33	F05210H00250155	●	
									1,4	8,84	12,26	13,44	14,88	F05210H00250172	●	
									1,9	7,02	10,76	13,04	14,43	F05210H00250189	●	
									14,0	0,4	14,48	15,11	16,57	18,34	F05210H00250139	●
									0,9	14,04	14,65	16,06	17,79	F05210H00250156	●	
									1,4	8,84	14,19	15,56	17,23	F05210H00250173	●	
									1,9	7,02	10,76	15,06	16,67	F05210H00250190	●	
			15,0						0,4	15,48	16,16	17,72	19,63	F05210H00250140	●	
			0,9						15,00	15,66	17,17	19,01	F05210H00250157	●		
			1,4						8,84	15,16	16,62	18,40	F05210H00250174	●		
			1,9						7,02	10,76	16,07	17,79	F05210H00250191	●		
			16,0						0,4	16,39	16,95	18,20	19,65	F05210H00250141	●	
			0,9						15,22	16,52	17,74	19,15	F05210H00250158	●		
			1,4						8,84	16,09	17,28	18,66	F05210H00250175	●		
			1,9						7,02	10,76	16,82	18,16	F05210H00250192	●		
			18,0						0,4	18,40	19,03	20,44	22,07	F05210H00250142	●	
			0,9						15,22	18,53	19,90	21,49	F05210H00250159	●		
			1,4						8,84	18,04	19,37	20,91	F05210H00250176	●		
			1,9						7,02	10,76	18,83	20,34	F05210H00250193	●		
			20,0						0,4	20,41	21,11	22,67	24,49	F05210H00250143	●	
			0,9						15,22	20,55	22,07	23,83	F05210H00250160	●		
			1,4						8,84	19,53	21,46	23,17	F05210H00250177	●		
			1,9						7,02	10,76	20,85	22,52	F05210H00250194	●		
			22,0						0,4	22,43	23,20	24,91	26,91	F05210H00250144	●	
			0,9						15,22	22,56	24,23	26,17	F05210H00250161	●		
			1,4						8,84	19,53	23,55	25,43	F05210H00250178	●		
			1,9						7,02	10,76	22,86	24,69	F05210H00250195	●		
			24,0						0,4	24,44	25,28	27,15	29,33	F05210H00250145	●	
			0,9						15,22	24,58	26,40	28,51	F05210H00250162	●		
			1,4						8,84	19,53	25,64	27,69	F05210H00250179	●		
			1,9						7,02	10,76	24,88	26,87	F05210H00250196	●		
			25,0						0,4	25,45	26,32	28,27	30,54	F05210H00250146	●	
			0,9						15,22	25,58	27,48	29,68	F05210H00250163	●		
			1,4						8,84	19,53	26,68	28,82	F05210H00250180	●		
			1,9						7,02	10,76	25,89	27,96	F05210H00250197	●		
			28,0						0,4	28,60	29,86	32,77	-	F05210H00250147	●	
			0,9						15,22	28,78	31,58	-	F05210H00250164	●		
			1,4						8,84	19,53	30,39	33,67	F05210H00250181	●		
			1,9						7,02	10,76	29,19	32,35	F05210H00250198	●		
			30,0						0,4	30,61	31,97	35,08	-	F05210H00250148	●	
			0,9						15,22	30,79	33,79	-	F05210H00250165	●		
			1,4						8,84	19,53	32,50	-	F05210H00250182	●		
			1,9						7,02	10,76	31,21	-	F05210H00250199	●		
32,0	0,4	32,63	34,08	37,40	-	F05210H00250149	●									
0,9	15,22	32,81	36,01	-	F05210H00250166	●										
1,4	8,84	19,53	34,62	-	F05210H00250183	●										
1,9	7,02	10,76	33,23	-	F05210H00250200	●										



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λ 30°

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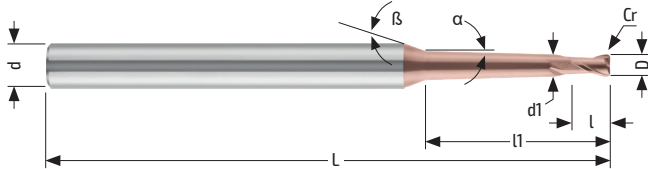


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	0,30	3,75	35,0	2,40	0,4	15	78	6	35,51	36,74	39,47	-	F05210H00250150	●
					0,9				15,22	35,65	38,30	-	F05210H00250167	●
					1,4				8,84	19,53	37,13	-	F05210H00250184	●
					1,9				7,02	10,76	35,96	-	F05210H00250201	●
			0,4		38,53				39,87	42,83	-	F05210H00250151	●	
			0,9		15,22				38,67	41,55	-	F05210H00250168	●	
			1,4		8,84				19,53	40,27	-	F05210H00250185	●	
			1,9		7,02				10,76	38,98	-	F05210H00250202	●	
			0,4		40,55				41,95	45,07	-	F05210H00250152	●	
			0,9		15,22				40,69	43,72	-	F05210H00250169	●	
			1,4		8,84				19,53	42,36	-	F05210H00250186	●	
			1,9		7,02				10,76	41,00	-	F05210H00250203	●	
	0,4	45,42	46,56	49,02	-	F05210H00250153	●							
	0,9	15,22	45,52	47,92	-	F05210H00250170	●							
	1,4	8,84	19,53	46,83	-	F05210H00250187	●							
	1,9	7,02	10,76	45,73	-	F05210H00250204	●							
	0,4	10,43	10,88	11,90	13,14	F05210H00250205	●							
	0,9	10,17	10,60	11,59	12,80	F05210H00250222	●							
	1,4	8,73	10,32	11,28	12,46	F05210H00250239	●							
	1,9	6,95	10,04	10,98	12,12	F05210H00250256	●							
	0,4	12,45	12,98	14,21	15,71	F05210H00250206	●							
	0,9	12,10	12,62	13,81	15,26	F05210H00250223	●							
	1,4	8,73	12,25	13,40	14,81	F05210H00250240	●							
	1,9	6,95	10,54	13,00	14,36	F05210H00250257	●							
0,4	14,47	15,09	16,53	18,28	F05210H00250207	●								
0,9	14,03	14,63	16,02	17,72	F05210H00250224	●								
1,4	8,73	14,18	15,52	17,16	F05210H00250241	●								
1,9	6,95	10,54	15,02	16,60	F05210H00250258	●								
0,4	15,48	16,15	17,68	19,56	F05210H00250208	●								
0,9	14,97	15,64	17,13	18,95	F05210H00250225	●								
1,4	8,73	15,14	16,58	18,34	F05210H00250242	●								
1,9	6,95	10,54	16,03	17,72	F05210H00250259	●								
0,4	16,38	16,93	18,17	19,60	F05210H00250209	●								
0,9	14,97	16,51	17,71	19,10	F05210H00250226	●								
1,4	8,73	16,08	17,25	18,61	F05210H00250243	●								
1,9	6,95	10,54	16,79	18,11	F05210H00250260	●								
0,4	18,39	19,02	20,41	22,02	F05210H00250210	●								
0,9	14,97	18,52	19,87	21,44	F05210H00250227	●								
1,4	8,73	18,02	19,34	20,87	F05210H00250244	●								
1,9	6,95	10,54	18,80	20,29	F05210H00250261	●								

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock								
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°										
2,50	0,50	3,75	20,0	2,40	0,4	15	60	6	20,41	21,10	22,64	24,44	F05210H00250211	●								
									14,97	20,53	22,04	23,78	F05210H00250228	●								
									8,73	19,03	21,43	23,13	F05210H00250245	●								
									6,95	10,54	20,82	22,47	F05210H00250262	●								
									0,4	22,42	23,18	24,88	26,86	F05210H00250212	●							
									0,9	14,97	22,55	24,20	26,12	F05210H00250229	●							
									1,4	8,73	19,03	23,52	25,39	F05210H00250246	●							
									1,9	6,95	10,54	22,83	24,65	F05210H00250263	●							
									0,4	24,43	25,27	27,12	29,28	F05210H00250213	●							
									0,9	14,97	24,56	26,37	28,47	F05210H00250230	●							
									1,4	8,73	19,03	25,61	27,64	F05210H00250247	●							
									1,9	6,95	10,54	24,85	26,82	F05210H00250264	●							
			0,4		25,44				26,31	28,24	30,50	F05210H00250214	●									
			0,9		14,97				25,57	27,45	29,64	F05210H00250231	●									
			1,4		8,73				19,03	26,65	28,77	F05210H00250248	●									
			1,9		6,95				10,54	25,86	27,91	F05210H00250265	●									
			28,0		0,50				3,75	2,40	0,4	12	78	6	28,59	29,84	32,73	-	F05210H00250215	●		
															14,97	28,76	31,54	-	F05210H00250232	●		
															8,73	19,03	30,35	33,61	F05210H00250249	●		
															6,95	10,54	29,15	32,28	F05210H00250266	●		
															0,4	30,60	31,95	35,04	-	F05210H00250216	●	
															0,9	14,97	30,78	33,75	-	F05210H00250233	●	
															1,4	8,73	19,03	32,46	-	F05210H00250250	●	
															1,9	6,95	10,54	31,17	-	F05210H00250267	●	
															0,4	32,62	34,06	37,36	-	F05210H00250217	●	
															0,9	14,97	32,79	35,97	-	F05210H00250234	●	
															1,4	8,73	19,03	34,58	-	F05210H00250251	●	
															1,9	6,95	10,54	33,19	-	F05210H00250268	●	
			35,0		0,50				3,75	2,40	0,4	15	78	6	35,51	36,73	39,44	-	F05210H00250218	●		
															14,97	35,64	38,27	-	F05210H00250235	●		
															8,73	19,03	37,10	-	F05210H00250252	●		
															6,95	10,54	35,93	-	F05210H00250269	●		
															0,4	38,53	39,85	42,80	-	F05210H00250219	●	
															0,9	14,97	38,66	41,52	-	F05210H00250236	●	
															1,4	8,73	19,03	40,24	-	F05210H00250253	●	
															1,9	6,95	10,54	38,95	-	F05210H00250270	●	
															0,4	40,54	41,94	45,04	-	F05210H00250220	●	
															0,9	14,97	40,67	43,69	-	F05210H00250237	●	
															1,4	8,73	19,03	42,33	-	F05210H00250254	●	
															1,9	6,95	10,54	40,97	-	F05210H00250271	●	
			40,0		0,50				3,75	2,40	0,4	20	78	6	45,42	46,55	48,99	-	F05210H00250221	●		
															14,97	45,51	47,90	-	F05210H00250238	●		
															8,73	19,03	46,81	-	F05210H00250255	●		
															6,95	10,54	45,71	-	F05210H00250272	●		
															0,4	10,41	10,83	11,80	12,98	F05210H00250273	●	
															0,9	10,14	10,55	11,49	12,64	F05210H00250290	●	
															1,4	8,45	10,27	11,19	12,30	F05210H00250307	●	
															1,9	6,77	9,98	10,88	11,96	F05210H00250324	●	
															0,4	12,43	12,94	14,11	15,55	F05210H00250274	●	
															0,9	12,08	12,57	13,71	15,10	F05210H00250291	●	
	1,4	8,45		12,20		13,30	14,65	F05210H00250308							●							
	1,9	6,77		9,98		12,90	14,20	F05210H00250325							●							
	10,0	1,00	3,75	2,40	0,4	12	60	6	10,41	10,83	11,80	12,98	F05210H00250273	●								
									10,14	10,55	11,49	12,64	F05210H00250290	●								
									8,45	10,27	11,19	12,30	F05210H00250307	●								
									6,77	9,98	10,88	11,96	F05210H00250324	●								
									0,4	12,43	12,94	14,11	15,55	F05210H00250274	●							
									0,9	12,08	12,57	13,71	15,10	F05210H00250291	●							
									1,4	8,45	12,20	13,30	14,65	F05210H00250308	●							
									1,9	6,77	9,98	12,90	14,20	F05210H00250325	●							
									12,0	1,00	3,75	2,40	0,4	12	60	6	10,41	10,83	11,80	12,98	F05210H00250273	●
																	10,14	10,55	11,49	12,64	F05210H00250290	●
																	8,45	10,27	11,19	12,30	F05210H00250307	●
																	6,77	9,98	10,88	11,96	F05210H00250324	●
	0,4	12,43	12,94	14,11	15,55	F05210H00250274	●															
	0,9	12,08	12,57	13,71	15,10	F05210H00250291	●															



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



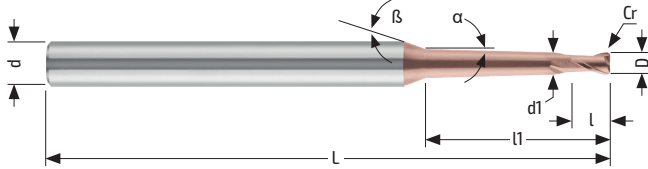
Non ISO Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
2,50	1,00	3,75	14,0	2,40	0,4	12	60	6	14,45	15,05	16,43	18,11	F05210H00250275	●			
									14,01	14,59	15,93	17,56	F05210H00250292	●			
									8,45	14,13	15,42	17,00	F05210H00250309	●			
									6,77	9,98	14,92	16,44	F05210H00250326	●			
									15,45	16,10	17,59	19,40	F05210H00250276	●			
									14,34	15,60	17,03	18,79	F05210H00250293	●			
			15,0	0,9	1,4	8,45	15,09	16,48	18,17	F05210H00250310	●	6,77	9,98	15,93	17,56	F05210H00250327	●
												16,36	16,90	18,09	19,48	F05210H00250277	●
												14,34	16,47	17,63	18,98	F05210H00250294	●
												8,45	16,04	17,17	18,49	F05210H00250311	●
												6,77	9,98	16,71	17,99	F05210H00250328	●
												18,38	18,98	20,33	21,90	F05210H00250278	●
			18,0	0,9	1,4	8,45	17,78	19,26	20,74	F05210H00250312	●	14,34	18,49	19,80	21,32	F05210H00250295	●
												8,45	17,78	19,26	20,74	F05210H00250312	●
												6,77	9,98	18,73	20,17	F05210H00250329	●
												20,39	21,07	22,57	24,32	F05210H00250279	●
												14,34	20,50	21,96	23,66	F05210H00250296	●
												8,45	17,78	21,35	23,00	F05210H00250313	●
			20,0	0,9	1,4	8,45	17,78	21,35	23,00	F05210H00250313	●	6,77	9,98	20,74	22,35	F05210H00250330	●
												22,40	23,15	24,81	26,74	F05210H00250280	●
												14,34	22,51	24,13	26,00	F05210H00250297	●
												8,45	17,78	23,44	25,26	F05210H00250314	●
												6,77	9,98	22,76	24,52	F05210H00250331	●
												24,42	25,23	27,05	29,16	F05210H00250281	●
			24,0	0,9	1,4	8,45	17,78	25,53	27,52	F05210H00250315	●	14,34	24,53	26,29	28,34	F05210H00250298	●
												8,45	17,78	25,53	27,52	F05210H00250315	●
												6,77	9,98	24,77	26,70	F05210H00250332	●
												25,42	26,27	28,17	30,37	F05210H00250282	●
												14,34	25,53	27,37	29,51	F05210H00250299	●
												8,45	17,78	26,58	28,65	F05210H00250316	●
			25,0	0,9	1,4	8,45	17,78	26,58	28,65	F05210H00250316	●	6,77	9,98	25,78	27,79	F05210H00250333	●
												28,57	29,80	32,63	-	F05210H00250283	●
												14,34	28,71	31,44	-	F05210H00250300	●
												8,45	17,78	30,25	33,44	F05210H00250317	●
												6,77	9,98	29,06	32,12	F05210H00250334	●
												30,58	31,91	34,95	-	F05210H00250284	●
28,0	0,9	1,4	8,45	17,78	30,25	33,44	F05210H00250317	●	14,34	30,73	33,66	-	F05210H00250301	●			
									8,45	17,78	32,37	-	F05210H00250318	●			
									6,77	9,98	31,08	34,36	F05210H00250335	●			
									30,58	31,91	34,95	-	F05210H00250284	●			
									14,34	30,73	33,66	-	F05210H00250301	●			
									8,45	17,78	32,37	-	F05210H00250318	●			
30,0	0,9	1,4	8,45	17,78	32,37	-	F05210H00250318	●	6,77	9,98	31,08	34,36	F05210H00250335	●			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



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05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock							
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°									
2,50	1,00	3,75	32,0	2,40	0,4	12	78	6	32,60	34,01	37,26	-	F05210H00250285	●							
									14,34	32,75	35,87	-	F05210H00250302	●							
									8,45	17,78	34,48	-	F05210H00250319	●							
									6,77	9,98	33,09	-	F05210H00250336	●							
									0,4	35,0	0,9	15	35,49	36,69	39,37	-	F05210H00250286	●			
									14,34				35,60	38,20	-	F05210H00250303	●				
									8,45				17,78	37,03	-	F05210H00250320	●				
									6,77	9,98	35,86	-	F05210H00250337	●							
									0,4	38,0	0,9	15	38,51	39,82	42,73	-	F05210H00250287	●			
									14,34				38,62	41,45	-	F05210H00250304	●				
									8,45				17,78	40,16	-	F05210H00250321	●				
									6,77				9,98	38,88	-	F05210H00250338	●				
			0,4	40,0	0,9	15	40,52		41,90				44,97	-	F05210H00250288	●					
			14,34				40,64		43,61				-	F05210H00250305	●						
			8,45				17,78		42,25	-	F05210H00250322	●									
			6,77	9,98	40,89	-	F05210H00250339		●												
			0,4	45,0	0,9	20	45,41		46,52	48,94	-	F05210H00250289	●								
			14,34				45,49		47,85	-	F05210H00250306	●									
			8,45				17,78		46,75	-	F05210H00250323	●									
			6,77	9,98	45,66	-	F05210H00250340		●												
			3,00	0,10	4,50	10,0	2,90		0,4	12	60	10,48	10,94	12,01	13,31	F05210H00300003	○				
												10,24	10,69	11,74	13,01	F05210H00300030	○				
												10,00	10,45	11,47	12,71	F05210H00300047	○				
												8,11	10,20	11,20	12,41	F05210H00300064	○				
												0,4	12,0	0,9	12	12,49	13,05	14,32	15,87	F05210H00300006	○
												12,17				12,71	13,95	15,47	F05210H00300031	○	
												10,12				12,38	13,58	15,06	F05210H00300048	○	
												8,11	12,04	13,22	14,65	F05210H00300065	○				
												0,4	14,0	0,9	12	14,51	15,15	16,64	18,44	F05210H00300009	○
												14,10				14,73	16,17	17,92	F05210H00300032	○	
												10,12				14,30	15,70	17,41	F05210H00300049	○	
												8,11	12,56	15,23	16,89	F05210H00300066	○				
						0,4	15,0		0,9	12		15,52	16,21	17,79	19,73	F05210H00300012	○				
						15,07						15,74	17,28	19,15	F05210H00300033	○					
						10,12						15,27	16,76	18,58	F05210H00300050	○					
						8,11	12,56		16,24	18,01		F05210H00300067	○								
0,4	16,0	0,9				12	16,53	17,26	18,95	21,01		F05210H00300015	○								
16,03							16,75	18,39	20,38	F05210H00300034		○									
10,12							16,23	17,82	19,76	F05210H00300051		○									
8,11	12,56	17,25				19,13	F05210H00300068	○													
0,4	18,0	0,9				15	18,43	19,07	20,49	22,14		F05210H00300018	○								
17,16							18,60	19,98	21,60	F05210H00300035		○									
10,12							18,12	19,48	21,05	F05210H00300052		○									
8,11	12,56	18,97				20,50	F05210H00300069	○													
0,4	20,0	0,9				15	20,44	21,15	22,73	24,56		F05210H00300019	○								
17,16							20,61	22,15	23,94	F05210H00300036		○									
10,12							20,07	21,57	23,31	F05210H00300053		○									
8,11	12,56	20,99				22,68	F05210H00300070	○													
0,4	22,0	0,9				15	22,45	23,23	24,97	26,99		F05210H00300020	○								
17,16							22,62	24,31	26,28	F05210H00300037		○									
10,12							22,01	23,66	25,57	F05210H00300054		○									
8,11	12,56	23,00				24,86	F05210H00300071	○													



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

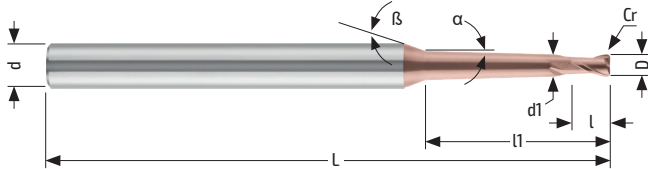


**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,10	4,50	24,0	2,90	0,4	15	60	6	24,47	25,32	27,21	-	F05210H00300021	○
					0,9				17,16	24,64	26,48	28,62	F05210H00300038	○
					1,4				10,12	22,65	25,75	27,83	F05210H00300055	○
					1,9				8,11	12,56	25,02	27,04	F05210H00300072	○
					0,4				25,47	26,36	28,33	-	F05210H00300022	○
					0,9				17,16	25,64	27,56	-	F05210H00300039	○
					1,4				10,12	22,65	26,79	-	F05210H00300056	○
					1,9				8,11	12,56	26,02	28,13	F05210H00300073	○
					0,4				28,63	29,91	32,84	-	F05210H00300023	○
					0,9				17,16	28,86	31,68	-	F05210H00300040	○
					1,4				10,12	22,65	30,53	-	F05210H00300057	○
					1,9				8,11	12,56	29,37	-	F05210H00300074	○
			0,4	30,65	32,01	35,15	-		F05210H00300024	○				
			0,9	17,16	30,87	33,90	-		F05210H00300041	○				
			1,4	10,12	22,65	32,65	-		F05210H00300058	○				
			1,9	8,11	12,56	31,39	-		F05210H00300075	○				
			0,4	32,66	34,12	37,47	-		F05210H00300025	○				
			0,9	17,16	32,89	36,12	-		F05210H00300042	○				
			1,4	10,12	22,65	34,76	-		F05210H00300059	○				
			1,9	8,11	12,56	33,41	-		F05210H00300076	○				
			0,4	35,54	36,78	39,53	-		F05210H00300026	○				
			0,9	17,16	35,71	38,38	-		F05210H00300043	○				
			1,4	10,12	22,65	37,24	-		F05210H00300060	○				
			1,9	8,11	12,56	36,10	-		F05210H00300077	○				
			0,4	38,56	39,90	42,89	-		F05210H00300027	○				
			0,9	17,16	38,73	41,63	-		F05210H00300044	○				
			1,4	10,12	22,65	40,38	-		F05210H00300061	○				
			1,9	8,11	12,56	39,12	-		F05210H00300078	○				
			0,4	40,58	41,99	-	-		F05210H00300028	○				
			0,9	17,16	40,75	-	-		F05210H00300045	○				
			1,4	10,12	22,65	42,47	-		F05210H00300062	○				
			1,9	8,11	12,56	41,14	-		F05210H00300079	○				
			0,4	45,61	47,19	-	-		F05210H00300029	○				
			0,9	17,16	45,78	-	-		F05210H00300046	○				
			1,4	10,12	22,65	-	-		F05210H00300063	○				
			1,9	8,11	12,56	-	-		F05210H00300080	○				
			0,4	10,47	10,93	11,99	13,27		F05210H00300081	○				
			0,9	10,24	10,69	11,72	12,97		F05210H00300095	○				
			1,4	10,00	10,44	11,45	12,67		F05210H00300109	○				
			1,9	8,08	10,19	11,18	12,37		F05210H00300126	○				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,20	4,50	12,0	2,90	0,4	12	60	6	12,49	13,04	14,30	15,84	F05210H00300082	○	
									12,17	12,70	13,93	15,43	F05210H00300096	○	
									10,07	12,37	13,56	15,02	F05210H00300110	○	
									8,08	12,03	13,20	14,62	F05210H00300127	○	
									0,4	14,51	15,15	16,62	18,41	F05210H00300083	○
									0,9	14,10	14,72	16,15	17,89	F05210H00300097	○
									1,4	10,07	14,30	15,68	17,37	F05210H00300111	○
									1,9	8,08	12,45	15,22	16,86	F05210H00300128	○
									0,4	15,51	16,20	17,77	19,69	F05210H00300084	○
									0,9	15,06	15,73	17,26	19,12	F05210H00300098	○
									1,4	10,07	15,26	16,74	18,55	F05210H00300112	○
									1,9	8,08	12,45	16,23	17,98	F05210H00300129	○
			0,4	16,52	17,25	18,93	20,98	F05210H00300085	○						
			0,9	16,03	16,74	18,37	20,35	F05210H00300099	○						
			1,4	10,07	16,22	17,80	19,72	F05210H00300113	○						
			1,9	8,08	12,45	17,23	19,10	F05210H00300130	○						
			0,4	18,42	19,06	20,47	22,12	F05210H00300086	○						
			0,9	17,03	18,59	19,97	21,57	F05210H00300100	○						
			1,4	10,07	18,12	19,46	21,02	F05210H00300114	○						
			1,9	8,08	12,45	18,96	20,48	F05210H00300131	○						
			0,4	20,44	21,14	22,71	24,54	F05210H00300087	○						
			0,9	17,03	20,60	22,13	23,91	F05210H00300101	○						
			1,4	10,07	20,06	21,55	23,28	F05210H00300115	○						
			1,9	8,08	12,45	20,97	22,66	F05210H00300132	○						
			0,4	22,45	23,23	24,95	26,96	F05210H00300088	○						
			0,9	17,03	22,62	24,30	26,25	F05210H00300102	○						
			1,4	10,07	22,01	23,64	25,54	F05210H00300116	○						
			1,9	8,08	12,45	22,99	24,83	F05210H00300133	○						
			0,4	24,46	25,31	27,19	-	F05210H00300089	○						
			0,9	17,03	24,63	26,46	28,59	F05210H00300103	○						
			1,4	10,07	22,40	25,73	27,80	F05210H00300117	○						
			1,9	8,08	12,45	25,00	27,01	F05210H00300134	○						
			0,4	25,47	26,35	28,31	-	F05210H00300001	○						
			0,9	17,03	25,64	27,54	-	F05210H00300002	○						
			1,4	10,07	22,40	26,78	-	F05210H00300118	○						
			1,9	8,08	12,45	26,01	28,10	F05210H00300135	○						
			0,4	28,63	29,90	32,82	-	F05210H00300090	○						
			0,9	17,03	28,85	31,66	-	F05210H00300104	○						
			1,4	10,07	22,40	30,51	-	F05210H00300119	○						
			1,9	8,08	12,45	29,35	-	F05210H00300136	○						
			0,4	30,64	32,00	35,13	-	F05210H00300091	○						
			0,9	17,03	30,86	33,88	-	F05210H00300105	○						
			1,4	10,07	22,40	32,63	-	F05210H00300120	○						
			1,9	8,08	12,45	31,37	-	F05210H00300137	○						
			0,4	32,66	34,11	37,45	-	F05210H00300092	○						
			0,9	17,03	32,88	36,10	-	F05210H00300106	○						
			1,4	10,07	22,40	34,74	-	F05210H00300121	○						
			1,9	8,08	12,45	33,39	-	F05210H00300138	○						
0,4	35,54	36,77	39,51	-	F05210H00300004	○									
0,9	17,03	35,71	38,37	-	F05210H00300005	○									
1,4	10,07	22,40	37,23	-	F05210H00300122	○									
1,9	8,08	12,45	36,08	-	F05210H00300139	○									



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



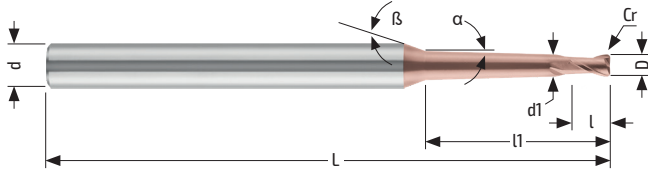
Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,20	4,50	38,0	2,90	0,4	15	78	6	38,56	39,89	42,87	-	F05210H00300093	○
					0,9				17,03	38,73	41,62	-	F05210H00300107	○
					1,4				10,07	22,40	40,36	-	F05210H00300123	○
			1,9		8,08				12,45	39,11	-	F05210H00300140	○	
			0,4		40,57				41,98	-	-	F05210H00300094	○	
			0,9		17,03				40,74	-	-	F05210H00300108	○	
		1,4	10,07	22,40	42,45		-		F05210H00300124	○				
		1,9	8,08	12,45	41,12		-		F05210H00300141	○				
		0,4	45,61	47,19	-		-		F05210H00300007	○				
		0,9	17,03	45,78	-		-		F05210H00300008	○				
		1,4	10,07	22,40	-		-		F05210H00300125	○				
		1,9	8,08	12,45	-		-		F05210H00300142	○				
	0,4	10,47	10,92	11,97	13,24	F05210H00300143	●							
	0,9	10,23	10,68	11,70	12,94	F05210H00300160	●							
	1,4	10,00	10,43	11,43	12,64	F05210H00300177	●							
	1,9	8,04	10,18	11,16	12,34	F05210H00300194	●							
	0,4	12,48	13,03	14,28	15,81	F05210H00300144	●							
	0,9	12,16	12,69	13,91	15,40	F05210H00300161	●							
	1,4	10,01	12,36	13,54	14,99	F05210H00300178	●							
	1,9	8,04	12,02	13,18	14,58	F05210H00300195	●							
	0,4	14,50	15,14	16,60	18,38	F05210H00300145	●							
	0,9	14,09	14,71	16,13	17,86	F05210H00300162	●							
	1,4	10,01	14,29	15,66	17,34	F05210H00300179	●							
	1,9	8,04	12,34	15,20	16,82	F05210H00300196	●							
	0,4	15,51	16,19	17,75	19,66	F05210H00300146	●							
	0,9	15,06	15,72	17,24	19,09	F05210H00300163	●							
	1,4	10,01	15,25	16,72	18,52	F05210H00300180	●							
	1,9	8,04	12,34	16,21	17,94	F05210H00300197	●							
	0,4	16,52	17,24	18,91	20,94	F05210H00300147	●							
	0,9	16,03	16,73	18,35	20,32	F05210H00300164	●							
	1,4	10,01	16,22	17,78	19,69	F05210H00300181	●							
	1,9	8,04	12,34	17,22	19,06	F05210H00300198	●							
	0,4	18,42	19,05	20,46	22,09	F05210H00300148	●							
	0,9	16,91	18,58	19,95	21,55	F05210H00300165	●							
	1,4	10,01	18,11	19,45	21,00	F05210H00300182	●							
	1,9	8,04	12,34	18,94	20,45	F05210H00300199	●							
0,4	20,43	21,14	22,70	24,51	F05210H00300149	●								
0,9	16,91	20,60	22,12	23,89	F05210H00300166	●								
1,4	10,01	20,06	21,54	23,26	F05210H00300183	●								
1,9	8,04	12,34	20,96	22,63	F05210H00300200	●								

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,30	4,50	22,0	2,90	0,4	15	60	6	22,45	23,22	24,94	26,94	F05210H00300150	●	
									16,91	22,61	24,28	26,23	F05210H00300167	●	
									10,01	22,00	23,63	25,52	F05210H00300184	●	
			24,0						8,04	12,34	22,97	24,81	F05210H00300201	●	
									24,46	25,30	27,18	-	F05210H00300151	●	
									16,91	24,62	26,45	28,57	F05210H00300168	●	
			25,0						10,01	22,15	25,72	27,78	F05210H00300185	●	
									8,04	12,34	24,99	26,99	F05210H00300202	●	
									0,4	25,47	26,34	28,30	-	F05210H00300152	●
			28,0						16,91	25,63	27,53	-	F05210H00300169	●	
									10,01	22,15	26,76	28,91	F05210H00300186	●	
									8,04	12,34	25,99	28,08	F05210H00300203	●	
			30,0						0,4	28,62	29,89	32,80	-	F05210H00300153	●
									0,9	16,91	28,84	31,64	-	F05210H00300170	●
									1,4	10,01	22,15	30,49	-	F05210H00300187	●
			32,0						1,9	8,04	12,34	29,33	-	F05210H00300204	●
									0,4	30,64	32,00	35,11	-	F05210H00300154	●
									0,9	16,91	30,86	33,86	-	F05210H00300171	●
			35,0						1,4	10,01	22,15	32,61	-	F05210H00300188	●
									1,9	8,04	12,34	31,35	-	F05210H00300205	●
									0,4	32,66	34,10	37,43	-	F05210H00300155	●
			38,0						0,9	16,91	32,87	36,08	-	F05210H00300172	●
									1,4	10,01	22,15	34,72	-	F05210H00300189	●
									1,9	8,04	12,34	33,37	-	F05210H00300206	●
			40,0						0,4	35,53	36,76	39,50	-	F05210H00300156	●
									0,9	16,91	35,70	38,35	-	F05210H00300173	●
									1,4	10,01	22,15	37,21	-	F05210H00300190	●
			45,0						1,9	8,04	12,34	36,07	-	F05210H00300207	●
									0,4	38,55	39,89	42,86	-	F05210H00300157	●
									0,9	16,91	38,72	41,60	-	F05210H00300174	●
	48,0	1,4	10,01	22,15	40,35	-	F05210H00300191	●							
		1,9	8,04	12,34	39,09	-	F05210H00300208	●							
		0,4	40,57	41,97	-	-	F05210H00300158	●							
	50,0	0,9	16,91	40,73	-	-	F05210H00300175	●							
		1,4	10,01	22,15	42,44	-	F05210H00300192	●							
		1,9	8,04	12,34	41,11	-	F05210H00300209	●							
	55,0	0,4	45,60	47,18	-	-	F05210H00300159	●							
		0,9	16,91	45,77	-	-	F05210H00300176	●							
		1,4	10,01	22,15	-	-	F05210H00300193	●							
	60,0	1,9	8,04	12,34	-	-	F05210H00300210	●							
		0,4	10,46	10,90	11,93	13,18	F05210H00300211	●							
		0,9	10,22	10,66	11,66	12,88	F05210H00300225	●							
	65,0	1,4	9,90	10,41	11,39	12,58	F05210H00300239	●							
		1,9	7,97	10,17	11,12	12,28	F05210H00300256	●							
		0,4	12,48	13,01	14,24	15,74	F05210H00300212	●							
	70,0	0,9	12,15	12,68	13,87	15,33	F05210H00300226	●							
		1,4	9,90	12,34	13,51	14,93	F05210H00300240	●							
		1,9	7,97	12,00	13,14	14,52	F05210H00300257	●							
	75,0	0,4	14,49	15,12	16,56	18,31	F05210H00300213	●							
		0,9	14,09	14,69	16,09	17,79	F05210H00300227	●							
		1,4	9,90	14,27	15,62	17,28	F05210H00300241	●							
	80,0	1,9	7,97	12,12	15,16	16,76	F05210H00300258	●							



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

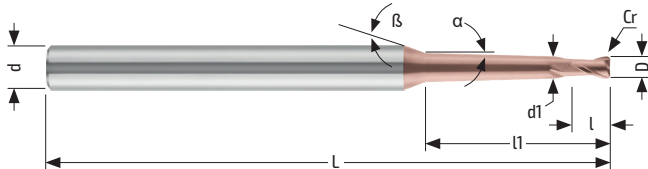


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,50	4,50	15,0	2,90	0,4	12	60	6	15,50	16,17	17,71	19,59	F05210H00300214	●	
									15,05	15,70	17,20	19,02	F05210H00300228	●	
									1,4	9,90	15,23	16,68	18,45	F05210H00300242	●
									1,9	7,97	12,12	16,17	17,88	F05210H00300259	●
									0,4	16,51	17,23	18,87	20,88	F05210H00300215	●
									0,9	16,02	16,71	18,31	20,25	F05210H00300229	●
									1,4	9,90	16,20	17,74	19,62	F05210H00300243	●
									1,9	7,97	12,12	17,18	19,00	F05210H00300260	●
									0,4	18,41	19,04	20,43	22,04	F05210H00300216	●
									0,9	16,66	18,57	19,92	21,50	F05210H00300230	●
									1,4	9,90	18,10	19,42	20,95	F05210H00300244	●
									1,9	7,97	12,12	18,91	20,40	F05210H00300261	●
			0,4	20,43	21,12	22,67	24,47	F05210H00300217	●						
			0,9	16,66	20,58	22,09	23,84	F05210H00300231	●						
			1,4	9,90	20,04	21,51	23,21	F05210H00300245	●						
			1,9	7,97	12,12	20,93	22,58	F05210H00300262	●						
			0,4	22,44	23,21	24,91	26,89	F05210H00300218	●						
			0,9	16,66	22,60	24,25	26,18	F05210H00300232	●						
			1,4	9,90	21,65	23,60	25,47	F05210H00300246	●						
			1,9	7,97	12,12	22,94	24,76	F05210H00300263	●						
			0,4	24,45	25,29	27,15	-	F05210H00300219	●						
			0,9	16,66	24,61	26,42	28,52	F05210H00300233	●						
			1,4	9,90	21,65	25,69	27,73	F05210H00300247	●						
			1,9	7,97	12,12	24,96	26,94	F05210H00300264	●						
			0,4	25,46	26,33	28,27	-	F05210H00300010	●						
			0,9	16,66	25,62	27,50	-	F05210H00300011	●						
			1,4	9,90	21,65	26,73	28,86	F05210H00300248	●						
			1,9	7,97	12,12	25,96	28,03	F05210H00300265	●						
			0,4	28,61	29,87	32,76	-	F05210H00300220	●						
			0,9	16,66	28,82	31,60	-	F05210H00300234	●						
			1,4	9,90	21,65	30,45	-	F05210H00300249	●						
			1,9	7,97	12,12	29,29	-	F05210H00300266	●						
			0,4	30,63	31,98	35,07	-	F05210H00300221	●						
			0,9	16,66	30,84	33,82	-	F05210H00300235	●						
			1,4	9,90	21,65	32,57	-	F05210H00300250	●						
			1,9	7,97	12,12	31,31	-	F05210H00300267	●						
			0,4	32,65	34,09	37,39	-	F05210H00300222	●						
			0,9	16,66	32,86	36,04	-	F05210H00300236	●						
			1,4	9,90	21,65	34,69	-	F05210H00300251	●						
			1,9	7,97	12,12	33,33	-	F05210H00300268	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,50	4,50	35,0	2,90	0,4	15	78	6	35,53	36,75	39,47	-	F05210H00300013	●	
									16,66	35,69	38,32	-	F05210H00300014	●	
									9,90	21,65	37,18	-	F05210H00300252	●	
									7,97	12,12	36,04	-	F05210H00300269	●	
									0,4	38,55	39,87	42,83	-	F05210H00300223	●
									0,9	16,66	38,71	41,57	-	F05210H00300237	●
			1,4						9,90	21,65	40,32	-	F05210H00300253	●	
			1,9						7,97	12,12	39,06	-	F05210H00300270	●	
			0,4						40,56	41,96	-	-	F05210H00300224	●	
			0,9						16,66	40,72	-	-	F05210H00300238	●	
			1,4						9,90	21,65	42,41	-	F05210H00300254	●	
			1,9						7,97	12,12	41,08	-	F05210H00300271	●	
			0,4						45,60	47,17	-	-	F05210H00300016	●	
			0,9						16,66	45,76	-	-	F05210H00300017	●	
			1,4						9,90	21,65	-	-	F05210H00300255	●	
			1,9						7,97	12,12	-	-	F05210H00300272	●	
			0,4						28,60	29,84	32,70	-	F05210H00300283	○	
			0,9						16,28	28,79	31,55	-	F05210H00300300	○	
			1,4						9,73	20,90	30,39	-	F05210H00300317	○	
			1,9						7,86	11,78	29,24	-	F05210H00300334	○	
			0,4						30,62	31,95	35,01	-	F05210H00300284	○	
			0,9						16,28	30,81	33,76	-	F05210H00300301	○	
			1,4						9,73	20,90	32,51	-	F05210H00300318	○	
			1,9						7,86	11,78	31,25	-	F05210H00300335	○	
	0,4	32,63	34,06	37,33	-	F05210H00300285	○								
	0,9	16,28	32,83	35,98	-	F05210H00300302	○								
	1,4	9,73	20,90	34,63	-	F05210H00300319	○								
	1,9	7,86	11,78	33,27	-	F05210H00300336	○								
	0,4	35,52	36,73	39,42	-	F05210H00300286	○								
	0,9	16,28	35,66	38,28	-	F05210H00300303	○								
	1,4	9,73	20,90	37,14	-	F05210H00300320	○								
	1,9	7,86	11,78	35,99	-	F05210H00300337	○								
	0,4	38,54	39,85	42,78	-	F05210H00300287	○								
	0,9	16,28	38,69	41,53	-	F05210H00300304	○								
	1,4	9,73	20,90	40,27	-	F05210H00300321	○								
	1,9	7,86	11,78	39,02	-	F05210H00300338	○								
	0,4	40,55	41,94	-	-	F05210H00300288	○								
	0,9	16,28	40,70	43,69	-	F05210H00300305	○								
	1,4	9,73	20,90	42,36	-	F05210H00300322	○								
	1,9	7,86	11,78	41,03	-	F05210H00300339	○								
	0,4	45,59	47,15	-	-	F05210H00300289	○								
	0,9	16,28	45,73	-	-	F05210H00300306	○								
	1,4	9,73	20,90	-	-	F05210H00300323	○								
	1,9	7,86	11,78	-	-	F05210H00300340	○								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



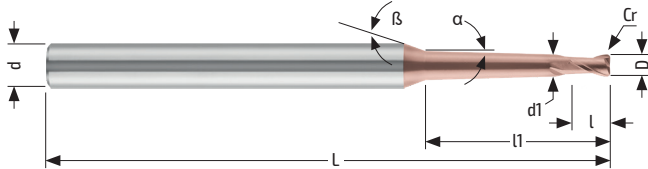
Non ISO  
Not ISO

**05210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	1,00	4,50	10,0	2,90	12	60	6	6	10,44	10,86	11,83	13,01	F05210H00300341	●
									10,20	10,61	11,56	12,71	F05210H00300358	●
									9,62	10,37	11,29	12,41	F05210H00300375	●
									7,79	10,12	11,02	12,11	F05210H00300392	●
									12,45	12,97	14,14	15,58	F05210H00300342	●
									12,13	12,63	13,78	15,17	F05210H00300359	●
									9,62	12,30	13,41	14,76	F05210H00300376	●
									7,79	11,56	13,04	14,35	F05210H00300393	●
									14,47	15,07	16,46	18,15	F05210H00300343	●
									14,06	14,65	15,99	17,63	F05210H00300360	●
									9,62	14,22	15,53	17,11	F05210H00300377	●
									7,79	11,56	15,06	16,59	F05210H00300394	●
			15,48	16,13	17,62	19,43	F05210H00300344		●					
			15,03	15,66	17,10	18,86	F05210H00300361		●					
			9,62	15,19	16,58	18,29	F05210H00300378		●					
			7,79	11,56	16,07	17,71	F05210H00300395		●					
			16,49	17,18	18,77	20,71	F05210H00300345		●					
			16,00	16,67	18,21	20,09	F05210H00300362		●					
			9,62	16,15	17,64	19,46	F05210H00300379		●					
			7,79	11,56	17,08	18,83	F05210H00300396		●					
			18,40	19,00	20,35	21,92	F05210H00300346		●					
			16,03	18,53	19,85	21,38	F05210H00300363		●					
			9,62	18,06	19,34	20,83	F05210H00300380		●					
			7,79	11,56	18,84	20,28	F05210H00300397		●					
			20,41	21,09	22,59	24,34	F05210H00300347		●					
			16,03	20,55	22,01	23,72	F05210H00300364		●					
			9,62	20,01	21,43	23,09	F05210H00300381		●					
			7,79	11,56	20,85	22,46	F05210H00300398		●					
			22,42	23,17	24,83	26,77	F05210H00300348		●					
			16,03	22,56	24,18	26,06	F05210H00300365		●					
			9,62	20,40	23,52	25,35	F05210H00300382		●					
			7,79	11,56	22,87	24,64	F05210H00300399		●					
			24,44	25,25	27,07	29,19	F05210H00300349		●					
			16,03	24,57	26,34	28,40	F05210H00300366		●					
			9,62	20,40	25,61	27,61	F05210H00300383		●					
			7,79	11,56	24,88	26,82	F05210H00300400		●					
			25,44	26,30	28,19	-	F05210H00300350		●					
			16,03	25,58	27,42	29,57	F05210H00300367		●					
			9,62	20,40	26,66	28,74	F05210H00300384		●					
			7,79	11,56	25,89	27,91	F05210H00300401		●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



05210



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock								
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°										
3,00	1,00	4,50	28,0	2,90	0,4	15	78	6	28,59	29,83	32,66	-	F05210H00300351	●								
									16,03	28,77	31,51	-	F05210H00300368	●								
									9,62	20,40	30,35	-	F05210H00300385	●								
									7,79	11,56	29,20	-	F05210H00300402	●								
									0,4	30,61	31,93	34,98	-	F05210H00300352	●							
									0,9	16,03	30,79	33,72	-	F05210H00300369	●							
			1,4						9,62	20,40	32,47	-	F05210H00300386	●								
			1,9						7,79	11,56	31,22	-	F05210H00300403	●								
			0,4						32,63	34,04	37,29	-	F05210H00300353	●								
			0,9						16,03	32,81	35,94	-	F05210H00300370	●								
			1,4						9,62	20,40	34,59	-	F05210H00300387	●								
			1,9						7,79	11,56	33,24	-	F05210H00300404	●								
			0,4			35,51	36,71	39,39	-	F05210H00300354	●											
			0,9			16,03	35,65	38,25	-	F05210H00300371	●											
			1,4			9,62	20,40	37,11	-	F05210H00300388	●											
			1,9			7,79	11,56	35,96	-	F05210H00300405	●											
			0,4			38,53	39,84	42,75	-	F05210H00300355	●											
			38,0			0,9	1,4	1,9	15	78	6	6	16,03	38,67	41,50	-	F05210H00300372	●				
													9,62	20,40	40,24	-	F05210H00300389	●				
													7,79	11,56	38,99	-	F05210H00300406	●				
													0,4	40,54	41,92	-	-	F05210H00300356	●			
													0,9	16,03	40,69	43,66	-	F05210H00300373	●			
													1,4	9,62	20,40	42,33	-	F05210H00300390	●			
			1,9			7,79	11,56	41,00					-	F05210H00300407	●							
			0,4			45,58	47,13	-					-	F05210H00300357	●							
			45,0			0,9	1,4	1,9					15	78	6	6	16,03	45,72	-	-	F05210H00300374	●
																	9,62	20,40	-	-	F05210H00300391	●
																	7,79	11,56	-	-	F05210H00300408	●
0,4	7,79	11,56		-	-																	



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

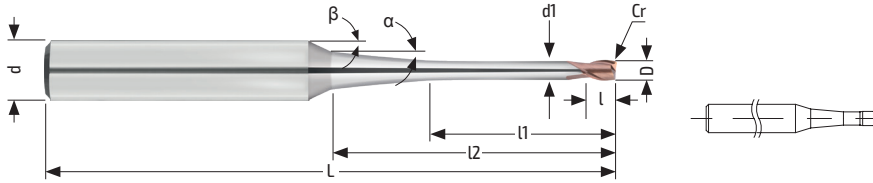


Non ISO  
Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,00	0,10	1,50	0,95	0,95	5,0	12	78	6	6	15,41	16,10	17,67	19,59	F04210H00100001	●
										14,70	15,65	17,18	19,05	F04210H00100023	●
										9,31	15,20	16,69	18,50	F04210H00100045	●
										7,77	12,03	16,20	17,96	F04210H00100067	●
										20,46	21,37	23,46	26,01	F04210H00100002	●
										14,70	20,70	22,72	25,19	F04210H00100024	●
										9,31	20,02	21,98	24,37	F04210H00100046	●
										7,77	12,03	21,25	23,56	F04210H00100068	●
										25,50	26,64	29,24	32,43	F04210H00100003	●
										14,70	25,74	28,26	31,34	F04210H00100025	●
										9,31	20,82	27,28	30,25	F04210H00100047	●
										7,77	12,03	26,30	29,16	F04210H00100069	●
					30,54	31,90	35,03	38,85		F04210H00100004	●				
					14,70	30,79	33,80	37,48		F04210H00100026	●				
					9,31	20,82	32,57	36,12		F04210H00100048	●				
					7,77	12,03	31,34	34,76		F04210H00100070	●				
					35,58	37,17	40,82	45,26		F04210H00100005	●				
					14,70	35,83	39,34	43,63		F04210H00100027	●				
					9,31	20,82	37,87	41,99		F04210H00100049	●				
					7,77	12,03	36,39	40,36		F04210H00100071	●				
					40,49	41,90	45,03	-		F04210H00100006	●				
					14,70	40,87	44,88	-		F04210H00100028	●				
					9,31	20,82	43,16	-		F04210H00100050	●				
					7,77	12,03	41,44	45,96		F04210H00100072	●				
					45,30	46,17	48,04	-		F04210H00100007	●				
					14,70	45,40	47,23	-		F04210H00100029	●				
					9,31	20,82	46,87	-		F04210H00100051	●				
					7,77	12,03	46,14	-		F04210H00100073	●				
					20,63	21,55	23,65	26,23		F04210H00100008	●				
					20,20	21,10	23,16	25,68		F04210H00100030	●				
					17,08	20,65	22,67	25,14		F04210H00100052	●				
					14,55	20,20	22,18	24,59		F04210H00100074	●				
					25,67	26,81	29,44	32,65		F04210H00100009	●				
					25,03	26,14	28,70	31,83		F04210H00100031	●				
					17,08	25,47	27,97	31,01		F04210H00100053	●				
					14,55	22,58	27,23	30,19		F04210H00100075	●				
					30,71	32,08	35,23	39,06		F04210H00100010	●				
					25,95	31,19	34,24	37,97		F04210H00100032	●				
					17,08	30,29	33,26	36,88		F04210H00100054	●				
					14,55	22,58	32,28	35,79		F04210H00100076	●				

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04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,00	0,10	1,50	10,0	0,95	35,0	12	0,4	15	78	6	35,76	37,35	41,01	45,48	F04210H00100011	●	
							0,9				25,95	36,23	39,79	44,12	F04210H00100033	●	
							1,4				17,08	35,11	38,56	42,76	F04210H00100055	●	
							1,9				14,55	22,58	37,33	41,39	F04210H00100077	●	
							0,4				40,63	42,04	45,18	-	F04210H00100012	●	
							0,9				25,95	41,28	45,33	-	F04210H00100034	●	
							1,4				17,08	38,32	43,85	-	F04210H00100056	●	
							1,9				14,55	22,58	42,38	46,99	F04210H00100078	●	
							0,4				45,37	46,25	48,12	-	F04210H00100013	●	
							0,9				25,95	45,57	47,41	-	F04210H00100035	●	
							1,4				17,08	38,32	47,24	-	F04210H00100057	●	
							1,9				14,55	22,58	46,31	-	F04210H00100079	●	
				0,4	25,84	26,99	29,64	32,86	F04210H00100014	●							
				0,9	25,41	26,55	29,15	32,32	F04210H00100036	●							
				1,4	24,86	26,10	28,65	31,77	F04210H00100058	●							
				1,9	21,34	25,65	28,16	31,23	F04210H00100080	●							
				0,4	30,88	32,26	35,42	39,28	F04210H00100015	●							
				0,9	30,24	31,59	34,69	38,46	F04210H00100037	●							
				1,4	24,86	30,92	33,95	37,65	F04210H00100059	●							
				1,9	21,34	30,25	33,21	36,83	F04210H00100081	●							
			0,4	35,93	37,53	41,21	45,70	F04210H00100016	●								
			0,9	35,07	36,64	40,23	44,61	F04210H00100038	●								
			1,4	24,86	35,74	39,24	43,52	F04210H00100060	●								
			1,9	21,34	33,13	38,26	42,43	F04210H00100082	●								
			0,4	40,76	42,18	45,33	-	F04210H00100017	●								
			0,9	37,20	40,94	43,11	45,53	F04210H00100039	●								
			1,4	24,86	40,56	44,54	-	F04210H00100061	●								
			1,9	21,34	33,13	43,31	-	F04210H00100083	●								
			0,4	45,45	46,33	48,20	-	F04210H00100018	●								
			0,9	37,20	45,75	47,60	-	F04210H00100040	●								
			1,4	24,86	45,21	47,61	-	F04210H00100062	●								
			1,9	21,34	33,13	46,81	-	F04210H00100084	●								
			0,4	31,06	32,44	35,62	39,50	F04210H00100019	●								
			0,9	30,63	31,99	35,13	38,95	F04210H00100041	●								
			1,4	30,20	31,55	34,64	38,41	F04210H00100063	●								
			1,9	28,12	31,10	34,15	37,86	F04210H00100085	●								
			0,4	36,10	37,71	41,41	45,92	F04210H00100020	●								
			0,9	35,46	37,04	40,67	45,10	F04210H00100042	●								
			1,4	32,64	36,37	39,93	44,28	F04210H00100064	●								
			1,9	28,12	35,70	39,20	43,46	F04210H00100086	●								
			0,4	40,90	42,32	45,48	-	F04210H00100021	●								
			0,9	40,22	41,62	44,73	-	F04210H00100043	●								
			1,4	32,64	41,19	45,23	-	F04210H00100065	●								
			1,9	28,12	40,29	44,24	-	F04210H00100087	●								
			0,4	45,52	46,41	48,28	-	F04210H00100022	●								
			0,9	45,05	45,92	47,78	-	F04210H00100044	●								
			1,4	32,64	45,44	47,27	-	F04210H00100066	●								
			1,9	28,12	43,68	47,32	-	F04210H00100088	●								
			0,4	15,41	16,09	17,65	19,56	F04210H00100089	●								
			0,9	14,57	15,64	17,16	19,01	F04210H00100111	●								
	1,4	9,25	15,19	16,67	18,47	F04210H00100133	●										
	1,9	7,73	11,92	16,18	17,92	F04210H00100155	●										
	0,4	20,45	21,36	23,44	25,98	F04210H00100090	●										
	0,9	14,57	20,69	22,70	25,16	F04210H00100112	●										
	1,4	9,25	20,02	21,96	24,34	F04210H00100134	●										
	1,9	7,73	11,92	21,23	23,52	F04210H00100156	●										
	0,20	1,50	5,0	20,0	0,95	15,0	12	0,4	15	78	6	15,41	16,09	17,65	19,56	F04210H00100089	●
								0,9				14,57	15,64	17,16	19,01	F04210H00100111	●
								1,4				9,25	15,19	16,67	18,47	F04210H00100133	●
								1,9				7,73	11,92	16,18	17,92	F04210H00100155	●
								0,4				20,45	21,36	23,44	25,98	F04210H00100090	●
								0,9				14,57	20,69	22,70	25,16	F04210H00100112	●
								1,4				9,25	20,02	21,96	24,34	F04210H00100134	●
								1,9				7,73	11,92	21,23	23,52	F04210H00100156	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

**04210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

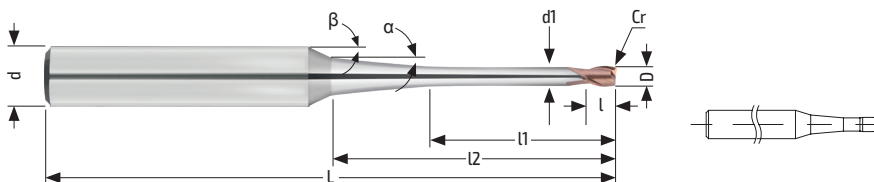


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,00	0,20	1,50	5,0	0,95	25,0	0,4	12	78	6	25,49	26,63	29,23	32,39	F04210H00100091	●	
						0,9				14,57	25,73	28,24	31,30	F04210H00100113	●	
						1,4				9,25	20,57	27,26	30,21	F04210H00100135	●	
						1,9				7,73	11,92	26,28	29,12	F04210H00100157	●	
						0,4				30,0	30,54	31,89	35,01	38,81	F04210H00100092	●
						0,9				14,57	30,78	33,78	37,45	F04210H00100114	●	
						1,4				9,25	20,57	32,55	36,09	F04210H00100136	●	
						1,9				7,73	11,92	31,33	34,72	F04210H00100158	●	
						0,4				35,0	35,58	37,16	40,80	45,23	F04210H00100093	●
						0,9				14,57	35,82	39,32	43,60	F04210H00100115	●	
						1,4				9,25	20,57	37,85	41,96	F04210H00100137	●	
						1,9				7,73	11,92	36,37	40,32	F04210H00100159	●	
					0,4	40,0	40,49	41,89		45,02	-	F04210H00100094	●			
					0,9	14,57	40,87	44,86		-	F04210H00100116	●				
					1,4	9,25	20,57	43,14		47,83	F04210H00100138	●				
					1,9	7,73	11,92	41,42		45,93	F04210H00100160	●				
					0,4	45,0	45,29	46,17		48,03	-	F04210H00100095	●			
					0,9	14,57	45,39	47,22		-	F04210H00100117	●				
					1,4	9,25	20,57	46,85		-	F04210H00100139	●				
					1,9	7,73	11,92	46,12		-	F04210H00100161	●				
					0,4	20,0	20,62	21,54		23,64	26,19	F04210H00100096	●			
					0,9	20,19	21,09	23,14		25,65	F04210H00100118	●				
					1,4	17,03	20,64	22,65		25,10	F04210H00100140	●				
					1,9	14,52	20,19	22,16		24,56	F04210H00100162	●				
					0,4	25,0	25,67	26,81		29,42	32,61	F04210H00100097	●			
					0,9	25,02	26,13	28,68		31,80	F04210H00100119	●				
					1,4	17,03	25,46	27,95		30,98	F04210H00100141	●				
					1,9	14,52	22,47	27,21		30,16	F04210H00100163	●				
					0,4	30,0	30,71	32,07		35,21	39,03	F04210H00100098	●			
					0,9	25,82	31,18	34,23		37,94	F04210H00100120	●				
					1,4	17,03	30,28	33,24		36,85	F04210H00100142	●				
					1,9	14,52	22,47	32,26		35,76	F04210H00100164	●				
					0,4	35,0	35,75	37,34		40,99	45,45	F04210H00100099	●			
					0,9	25,82	36,22	39,77		44,09	F04210H00100121	●				
					1,4	17,03	35,10	38,54		42,72	F04210H00100143	●				
					1,9	14,52	22,47	37,31		41,36	F04210H00100165	●				
					0,4	40,0	40,62	42,03		45,17	-	F04210H00100100	●			
					0,9	25,82	41,27	45,31		-	F04210H00100122	●				
					1,4	17,03	38,07	43,83		-	F04210H00100144	●				
					1,9	14,52	22,47	42,36		46,96	F04210H00100166	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
1,00	0,20	1,50	10,0	0,95	45,0	0,4	25	78	6	45,37	46,25	48,11	-	F04210H00100101	●										
										25,82	45,57	47,40	-	F04210H00100123	●										
										17,03	38,07	47,23	-	F04210H00100145	●										
																1,4	20								
										1,9	14,52	22,47	46,30	-	F04210H00100167	●									
										0,4	25,0	0,9	25,84	26,98	29,62	32,83	F04210H00100102	●							
																			0,9	25,41	26,54	29,13	32,29	F04210H00100124	●
																			1,4	24,81	26,09	28,64	31,74	F04210H00100146	●
										1,9	30,0	0,4	30,88	32,25	35,40	39,25	F04210H00100103	●							
																			0,9	30,24	31,58	34,67	38,43	F04210H00100125	●
			1,4	24,81	30,91	33,93	37,61	F04210H00100147	●																
			1,9	35,0	0,4	21,30	30,24	33,19	36,80	F04210H00100169	●														
												0,9	35,92	37,52	41,19	45,67	F04210H00100104	●							
												1,4	35,07	36,63	40,21	44,58	F04210H00100126	●							
			1,9	40,0	0,4	40,76	42,17	45,32	-	F04210H00100105	●														
												0,9	37,07	40,94	43,10	45,51	F04210H00100127	●							
												1,4	24,81	40,55	44,52	-	F04210H00100149	●							
			1,9	45,0	0,4	21,30	33,02	43,29	-	F04210H00100171	●														
												0,9	45,45	46,33	48,19	-	F04210H00100106	●							
												1,4	37,07	45,74	47,59	-	F04210H00100128	●							
			1,9	30,0	0,4	31,05	32,43	35,60	39,47	F04210H00100107	●														
												0,9	21,30	33,02	46,80	-	F04210H00100172	●							
												1,4	30,62	31,98	35,11	38,92	F04210H00100129	●							
			1,9	35,0	0,4	30,19	31,54	34,62	38,38	F04210H00100151	●														
												0,9	28,09	31,09	34,13	37,83	F04210H00100173	●							
												1,4	36,09	37,70	41,39	45,89	F04210H00100108	●							
			1,9	40,0	0,4	35,45	37,03	40,65	45,07	F04210H00100130	●														
												0,9	32,58	36,36	39,91	44,25	F04210H00100152	●							
												1,4	28,09	35,69	39,18	43,43	F04210H00100174	●							
			1,9	45,0	0,4	40,89	42,31	45,47	-	F04210H00100109	●														
												0,9	40,22	41,61	44,72	-	F04210H00100131	●							
												1,4	32,58	41,18	45,21	-	F04210H00100153	●							
			1,9	30,0	0,4	28,09	40,28	44,22	-	F04210H00100175	●														
												0,9	45,52	46,40	48,27	-	F04210H00100110	●							
												1,4	45,05	45,92	47,77	-	F04210H00100132	●							
			1,9	35,0	0,4	28,09	43,57	47,31	-	F04210H00100176	●														
												0,9	15,40	16,08	17,63	19,53	F04210H00100177	○							
												1,4	14,45	15,63	17,14	18,98	F04210H00100199	○							
			1,9	40,0	0,4	9,20	15,19	16,65	18,44	F04210H00100221	○														
												0,9	7,70	11,80	16,16	17,89	F04210H00100243	○							
												1,4	20,45	21,35	23,42	25,94	F04210H00100178	○							
			1,9	45,0	0,4	14,45	20,68	22,68	25,13	F04210H00100200	○														
												0,9	9,20	20,01	21,94	24,31	F04210H00100222	○							
												1,4	7,70	11,80	21,21	23,49	F04210H00100244	○							
			1,9	30,0	0,4	25,49	26,62	29,21	32,36	F04210H00100179	○														
												0,9	14,45	25,72	28,22	31,27	F04210H00100201	○							
												1,4	9,20	20,32	27,24	30,18	F04210H00100223	○							
			1,9	35,0	0,4	7,70	11,80	26,26	29,09	F04210H00100245	○														



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



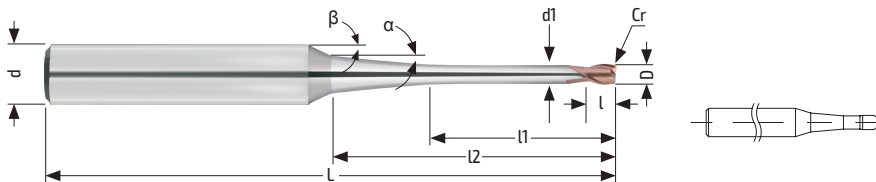
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
1,00	0,30	1,50	5,0	0,95	30,0	0,4	12	78	6	30,53	31,89	34,99	38,78	F04210H00100180	○				
						14,45				30,77	33,76	37,42	F04210H00100202	○					
						9,20				20,32	32,53	36,06	F04210H00100224	○					
						7,70				11,80	31,31	34,69	F04210H00100246	○					
						0,4				15	35,58	37,15	40,78	45,20	F04210H00100181	○			
						0,9					14,45	35,81	39,30	43,56	F04210H00100203	○			
						1,4					9,20	20,32	37,83	41,93	F04210H00100225	○			
						1,9					7,70	11,80	36,35	40,29	F04210H00100247	○			
						0,4					20	40,49	41,89	45,00	-	F04210H00100182	○		
						0,9						14,45	40,86	44,84	-	F04210H00100204	○		
						1,4						9,20	20,32	43,12	47,80	F04210H00100226	○		
						1,9						7,70	11,80	41,40	45,89	F04210H00100248	○		
					0,4	25	45,29					46,17	48,02	-	F04210H00100183	○			
					0,9		14,45					45,39	47,21	-	F04210H00100205	○			
					1,4		9,20					20,32	46,84	-	F04210H00100227	○			
					1,9		7,70					11,80	46,11	-	F04210H00100249	○			
					0,4		12			20,0		12	20,62	21,53	23,62	26,16	F04210H00100184	○	
					0,9					20,19			21,08	23,12	25,62	F04210H00100206	○		
					1,4					16,97			20,63	22,63	25,07	F04210H00100228	○		
					1,9					14,48			20,19	22,14	24,53	F04210H00100250	○		
					0,4					20	25,0		20	25,66	26,80	29,40	32,58	F04210H00100185	○
					0,9						25,02			26,13	28,66	31,76	F04210H00100207	○	
					1,4						16,97			25,45	27,93	30,94	F04210H00100229	○	
					1,9						14,48			22,36	27,19	30,13	F04210H00100251	○	
			0,4	15	30,0	15		30,70	32,06		35,19			39,00	F04210H00100186	○			
			0,9		25,70			31,17	34,21		37,91			F04210H00100208	○				
			1,4		16,97			30,27	33,22		36,82			F04210H00100230	○				
			1,9		14,48			22,36	32,24		35,73			F04210H00100252	○				
			0,4		25		35,0	25	35,75		37,33	40,97		45,42	F04210H00100187	○			
			0,9				25,70		36,21		39,75	44,05		F04210H00100209	○				
			1,4				16,97		35,10		38,52	42,69		F04210H00100231	○				
			1,9				14,48		22,36		37,29	41,33		F04210H00100253	○				
			0,4				20		40,0	20	40,62	42,03	45,15	-	F04210H00100188	○			
			0,9						25,70		41,26	45,29	-	F04210H00100210	○				
			1,4						16,97		37,82	43,81	-	F04210H00100232	○				
			1,9						14,48		22,36	42,34	46,93	F04210H00100254	○				
			0,4	25		45,0			25		45,37	46,24	48,10	-	F04210H00100189	○			
			0,9			25,70					45,56	47,40	-	F04210H00100211	○				
			1,4			16,97					37,82	47,22	-	F04210H00100233	○				
			1,9			14,48					22,36	46,29	-	F04210H00100255	○				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
1,00	0,30	1,50	15,0	0,95	25,0	0,4	12	78	6	25,83	26,98	29,60	32,80	F04210H00100190	○				
						0,9				25,40	26,53	29,11	32,25	F04210H00100212	○				
						1,4				24,75	26,08	28,62	31,71	F04210H00100234	○				
						1,9				21,27	25,63	28,12	31,16	F04210H00100256	○				
						0,4				30,88	32,24	35,38	39,22	F04210H00100191	○				
						0,9				30,23	31,57	34,65	38,40	F04210H00100213	○				
						1,4				24,75	30,90	33,91	37,58	F04210H00100235	○				
						1,9				21,27	30,23	33,17	36,76	F04210H00100257	○				
						0,4				35,92	37,51	41,17	45,63	F04210H00100192	○				
						0,9				35,06	36,62	40,19	44,54	F04210H00100214	○				
						1,4				24,75	35,72	39,21	43,45	F04210H00100236	○				
						1,9				21,27	32,91	38,22	42,36	F04210H00100258	○				
					0,4	40,75	42,16			45,30	-	F04210H00100193	○						
					0,9	36,95	40,93			43,09	45,49	F04210H00100215	○						
					1,4	24,75	40,54			44,50	-	F04210H00100237	○						
					1,9	21,27	32,91			43,27	47,96	F04210H00100259	○						
					0,4	45,44	46,32			48,19	-	F04210H00100194	○						
					0,9	36,95	45,74			47,58	-	F04210H00100216	○						
					1,4	24,75	45,20			47,59	-	F04210H00100238	○						
					1,9	21,27	32,91			46,79	-	F04210H00100260	○						
					0,4	31,05	32,42			35,58	39,43	F04210H00100195	○						
					0,9	30,62	31,98			35,09	38,89	F04210H00100217	○						
					1,4	30,19	31,53			34,60	38,34	F04210H00100239	○						
					1,9	28,05	31,08			34,11	37,80	F04210H00100261	○						
			0,4		36,09	37,69	41,37			45,85	F04210H00100196	○							
			0,9		35,45	37,02	40,63			45,04	F04210H00100218	○							
			1,4		32,53	36,35	39,89			44,22	F04210H00100240	○							
			1,9		28,05	35,68	39,16			43,40	F04210H00100262	○							
			0,4		40,89	42,30	45,45			-	F04210H00100197	○							
			0,9		40,22	41,61	44,70			-	F04210H00100219	○							
			1,4		32,53	41,17	45,19			-	F04210H00100241	○							
			1,9		28,05	40,27	44,21			-	F04210H00100263	○							
			0,4		45,52	46,40	48,27			-	F04210H00100198	○							
			0,9		45,04	45,91	47,76			-	F04210H00100220	○							
			1,4		32,53	45,43	47,26			-	F04210H00100242	○							
			1,9		28,05	43,46	47,29			-	F04210H00100264	○							
			1,50		0,10	2,25	5,0			1,45	15,0	0,4	12	15,41	16,10	17,67	19,59	F04210H00150001	○
												0,9		14,70	15,65	17,18	19,05	F04210H00150023	○
												1,4		9,31	15,20	16,69	18,50	F04210H00150045	○
												1,9		7,77	12,03	16,20	17,96	F04210H00150067	○
												0,4		20,46	21,37	23,46	26,01	F04210H00150002	○
												0,9		14,70	20,70	22,72	25,19	F04210H00150024	○
												1,4		9,31	20,02	21,98	24,37	F04210H00150046	○
												1,9		7,77	12,03	21,25	23,56	F04210H00150068	○
												0,4		25,50	26,64	29,24	32,43	F04210H00150003	○
												0,9		14,70	25,74	28,26	31,34	F04210H00150025	○
												1,4		9,31	20,82	27,28	30,25	F04210H00150047	○
												1,9		7,77	12,03	26,30	29,16	F04210H00150069	○
0,4	30,54	31,90		35,03				38,85	F04210H00150004		○								
0,9	14,70	30,79		33,80				37,48	F04210H00150026		○								
1,4	9,31	20,82		32,57				36,12	F04210H00150048		○								
1,9	7,77	12,03		31,34				34,76	F04210H00150070		○								
0,4	35,58	37,17		40,82				-	F04210H00150005		○								
0,9	14,70	35,83		39,34				-	F04210H00150027		○								
1,4	9,31	20,82		37,87				41,99	F04210H00150049		○								
1,9	7,77	12,03		36,39				40,36	F04210H00150071		○								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



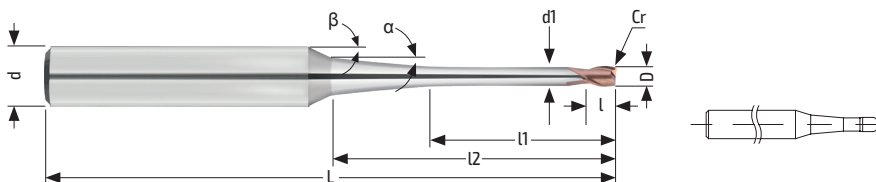
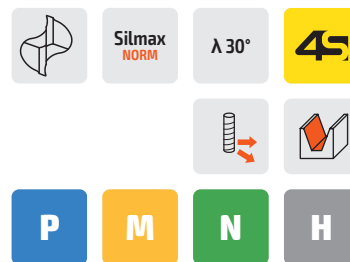
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,50	0,10	2,25	5,0	10,0	1,45	78	6	12	0,4	40,63	42,44	46,60	-	F04210H00150006	○		
										14,70	40,87	44,88	-	F04210H00150028	○		
										9,31	20,82	43,16	-	F04210H00150050	○		
										7,77	12,03	41,44	-	F04210H00150072	○		
										0,4	25	45,30	46,17	48,04	-	F04210H00150007	○
										0,9	20	14,70	45,52	47,93	-	F04210H00150029	○
										1,4	15	9,31	20,82	47,64	-	F04210H00150051	○
										1,9	-	7,77	12,03	46,49	-	F04210H00150073	○
										0,4	-	20,63	21,55	23,65	26,23	F04210H00150008	○
										0,9	-	20,20	21,10	23,16	25,68	F04210H00150030	○
										1,4	-	17,08	20,65	22,67	25,14	F04210H00150052	○
										1,9	-	14,55	20,20	22,18	24,59	F04210H00150074	○
			0,4	-	25,67	26,81	29,44	32,65	F04210H00150009	○							
			0,9	-	25,03	26,14	28,70	31,83	F04210H00150031	○							
			1,4	-	17,08	25,47	27,97	31,01	F04210H00150053	○							
			1,9	-	14,55	22,58	27,23	30,19	F04210H00150075	○							
			0,4	-	30,71	32,08	35,23	39,06	F04210H00150010	○							
			0,9	12	25,95	31,19	34,24	37,97	F04210H00150032	○							
			1,4	-	17,08	30,29	33,26	36,88	F04210H00150054	○							
			1,9	-	14,55	22,58	32,28	35,79	F04210H00150076	○							
			0,4	-	35,76	37,35	41,01	-	F04210H00150011	○							
			0,9	-	25,95	36,23	39,79	-	F04210H00150033	○							
			1,4	-	17,08	35,11	38,56	42,76	F04210H00150055	○							
			1,9	-	14,55	22,58	37,33	41,39	F04210H00150077	○							
			0,4	-	40,80	42,62	46,80	-	F04210H00150012	○							
			0,9	-	25,95	41,28	45,33	-	F04210H00150034	○							
			1,4	-	17,08	38,32	43,85	-	F04210H00150056	○							
			1,9	-	14,55	22,58	42,38	-	F04210H00150078	○							
			0,4	25	45,37	46,25	48,12	-	F04210H00150013	○							
			0,9	-	25,95	45,74	48,17	-	F04210H00150035	○							
			1,4	-	17,08	38,32	47,24	-	F04210H00150057	○							
			1,9	-	14,55	22,58	46,85	-	F04210H00150079	○							
			0,4	-	25,84	26,99	29,64	32,86	F04210H00150014	○							
			0,9	-	25,41	26,55	29,15	32,32	F04210H00150036	○							
			1,4	-	24,86	26,10	28,65	31,77	F04210H00150058	○							
			1,9	-	21,34	25,65	28,16	31,23	F04210H00150080	○							
			0,4	12	30,88	32,26	35,42	39,28	F04210H00150015	○							
			0,9	-	30,24	31,59	34,69	38,46	F04210H00150037	○							
			1,4	-	24,86	30,92	33,95	37,65	F04210H00150059	○							
			1,9	-	21,34	30,25	33,21	36,83	F04210H00150081	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210





D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,10	2,25	15,0	1,45	35,0	0,4	12	78	6	35,93	37,53	41,21	-	F04210H00150016	○
						0,9				35,07	36,64	40,23	-	F04210H00150038	○
						1,4				24,86	35,74	39,24	-	F04210H00150060	○
						1,9				21,34	33,13	38,26	42,43	F04210H00150082	○
					0,4	40,97				42,80	47,00	-	F04210H00150017	○	
					0,9	37,20				41,68	45,77	-	F04210H00150039	○	
					1,4	24,86				40,56	44,54	-	F04210H00150061	○	
					1,9	21,34				33,13	43,31	-	F04210H00150083	○	
					0,4	45,45				46,33	48,20	-	F04210H00150018	○	
					0,9	37,20				45,75	47,60	-	F04210H00150040	○	
			1,4	24,86	45,21	47,61				-	F04210H00150062	○			
			1,9	21,34	33,13	47,56				-	F04210H00150084	○			
			0,4	31,06	32,44	35,62	39,50			F04210H00150019	○				
			0,9	30,63	31,99	35,13	38,95			F04210H00150041	○				
			1,4	30,20	31,55	34,64	38,41			F04210H00150063	○				
			1,9	28,12	31,10	34,15	37,86			F04210H00150085	○				
			0,4	36,10	37,71	41,41	-			F04210H00150020	○				
			0,9	35,46	37,04	40,67	-			F04210H00150042	○				
			1,4	32,64	36,37	39,93	-			F04210H00150064	○				
			1,9	28,12	35,70	39,20	-			F04210H00150086	○				
	0,4	40,90	42,32	45,48	-	F04210H00150021	○								
	0,9	40,28	42,08	46,21	-	F04210H00150043	○								
	1,4	32,64	41,19	45,23	-	F04210H00150065	○								
	1,9	28,12	40,29	44,24	-	F04210H00150087	○								
	0,4	45,52	46,41	48,28	-	F04210H00150022	○								
	0,9	45,05	45,92	47,78	-	F04210H00150044	○								
	1,4	32,64	45,57	47,98	-	F04210H00150066	○								
	1,9	28,12	43,68	47,32	-	F04210H00150088	○								
	0,4	15,41	16,09	17,65	19,56	F04210H00150089	●								
	0,9	14,57	15,64	17,16	19,01	F04210H00150111	●								
	1,4	9,25	15,19	16,67	18,47	F04210H00150133	●								
	1,9	7,73	11,92	16,18	17,92	F04210H00150155	●								
	0,4	20,45	21,36	23,44	25,98	F04210H00150090	●								
	0,9	14,57	20,69	22,70	25,16	F04210H00150112	●								
	1,4	9,25	20,02	21,96	24,34	F04210H00150134	●								
	1,9	7,73	11,92	21,23	23,52	F04210H00150156	●								
	0,4	25,49	26,63	29,23	32,39	F04210H00150091	●								
	0,9	14,57	25,73	28,24	31,30	F04210H00150113	●								
	1,4	9,25	20,57	27,26	30,21	F04210H00150135	●								
	1,9	7,73	11,92	26,28	29,12	F04210H00150157	●								
	0,4	30,54	31,89	35,01	38,81	F04210H00150092	●								
	0,9	14,57	30,78	33,78	37,45	F04210H00150114	●								
	1,4	9,25	20,57	32,55	36,09	F04210H00150136	●								
	1,9	7,73	11,92	31,33	34,72	F04210H00150158	●								
	0,4	35,58	37,16	40,80	-	F04210H00150093	●								
	0,9	14,57	35,82	39,32	-	F04210H00150115	●								
	1,4	9,25	20,57	37,85	41,96	F04210H00150137	●								
	1,9	7,73	11,92	36,37	40,32	F04210H00150159	●								
	0,4	40,62	42,43	46,58	-	F04210H00150094	●								
	0,9	14,57	40,87	44,86	-	F04210H00150116	●								
	1,4	9,25	20,57	43,14	-	F04210H00150138	●								
	1,9	7,73	11,92	41,42	-	F04210H00150160	●								
	0,4	45,29	46,17	48,03	-	F04210H00150095	●								
	0,9	14,57	45,51	47,92	-	F04210H00150117	●								
	1,4	9,25	20,57	47,62	-	F04210H00150139	●								
	1,9	7,73	11,92	46,47	-	F04210H00150161	●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

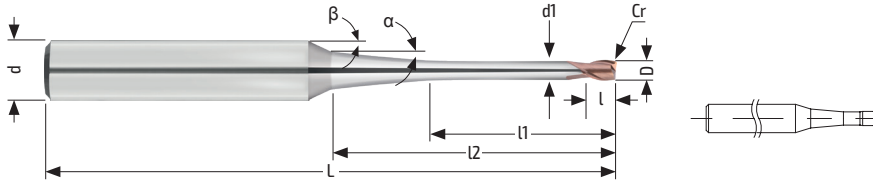


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,50	0,20	2,25	10,0	20,0	1,45	12	78	6	6	0,4	20,62	21,54	23,64	26,19	F04210H00150096	●
										0,9	20,19	21,09	23,14	25,65	F04210H00150118	●
										1,4	17,03	20,64	22,65	25,10	F04210H00150140	●
										1,9	14,52	20,19	22,16	24,56	F04210H00150162	●
										0,4	25,67	26,81	29,42	32,61	F04210H00150097	●
										0,9	25,02	26,13	28,68	31,80	F04210H00150119	●
										1,4	17,03	25,46	27,95	30,98	F04210H00150141	●
										1,9	14,52	22,47	27,21	30,16	F04210H00150163	●
										0,4	30,71	32,07	35,21	39,03	F04210H00150098	●
										0,9	25,82	31,18	34,23	37,94	F04210H00150120	●
										1,4	17,03	30,28	33,24	36,85	F04210H00150142	●
										1,9	14,52	22,47	32,26	35,76	F04210H00150164	●
				0,4	35,75	37,34	40,99	-	F04210H00150099	●						
				0,9	25,82	36,22	39,77	-	F04210H00150121	●						
				1,4	17,03	35,10	38,54	42,72	F04210H00150143	●						
				1,9	14,52	22,47	37,31	41,36	F04210H00150165	●						
				0,4	40,79	42,61	46,78	-	F04210H00150100	●						
				0,9	25,82	41,27	45,31	-	F04210H00150122	●						
				1,4	17,03	38,07	43,83	-	F04210H00150144	●						
				1,9	14,52	22,47	42,36	-	F04210H00150166	●						
				0,4	45,37	46,25	48,11	-	F04210H00150101	●						
				0,9	25,82	45,74	48,15	-	F04210H00150123	●						
				1,4	17,03	38,07	47,23	-	F04210H00150145	●						
				1,9	14,52	22,47	46,83	-	F04210H00150167	●						
			0,4	25,84	26,98	29,62	32,83	F04210H00150102	●							
			0,9	25,41	26,54	29,13	32,29	F04210H00150124	●							
			1,4	24,81	26,09	28,64	31,74	F04210H00150146	●							
			1,9	21,30	25,64	28,14	31,20	F04210H00150168	●							
			0,4	30,88	32,25	35,40	39,25	F04210H00150103	●							
			0,9	30,24	31,58	34,67	38,43	F04210H00150125	●							
			1,4	24,81	30,91	33,93	37,61	F04210H00150147	●							
			1,9	21,30	30,24	33,19	36,80	F04210H00150169	●							
			0,4	35,92	37,52	41,19	-	F04210H00150104	●							
			0,9	35,07	36,63	40,21	-	F04210H00150126	●							
			1,4	24,81	35,73	39,23	-	F04210H00150148	●							
			1,9	21,30	33,02	38,24	42,40	F04210H00150170	●							
			0,4	40,97	42,79	46,98	-	F04210H00150105	●							
			0,9	37,07	41,67	45,75	-	F04210H00150127	●							
			1,4	24,81	40,55	44,52	-	F04210H00150149	●							
			1,9	21,30	33,02	43,29	-	F04210H00150171	●							
			0,4	45,45	46,33	48,19	-	F04210H00150106	●							
			0,9	37,07	45,74	47,59	-	F04210H00150128	●							
			1,4	24,81	45,21	47,60	-	F04210H00150150	●							
			1,9	21,30	33,02	47,55	-	F04210H00150172	●							



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,20	2,25	20,0	1,45	30,0	0,4	12	78	6	31,05	32,43	35,60	39,47	F04210H00150107	●
										30,62	31,98	35,11	38,92	F04210H00150129	●
										30,19	31,54	34,62	38,38	F04210H00150151	●
										28,09	31,09	34,13	37,83	F04210H00150173	●
										36,09	37,70	41,39	-	F04210H00150108	●
										35,45	37,03	40,65	-	F04210H00150130	●
										32,58	36,36	39,91	-	F04210H00150152	●
										28,09	35,69	39,18	-	F04210H00150174	●
										40,89	42,31	45,47	-	F04210H00150109	●
										40,28	42,07	46,19	-	F04210H00150131	●
										32,58	41,18	45,21	-	F04210H00150153	●
										28,09	40,28	44,22	-	F04210H00150175	●
1,50	0,20	2,25	20,0	1,45	35,0	0,4	12	78	6	45,52	46,40	48,27	-	F04210H00150110	●
										45,05	45,92	47,77	-	F04210H00150132	●
										32,58	45,56	47,97	-	F04210H00150154	●
										28,09	43,57	47,31	-	F04210H00150176	●
										15,40	16,08	17,63	19,53	F04210H00150177	●
										14,45	15,63	17,14	18,98	F04210H00150199	●
										9,20	15,19	16,65	18,44	F04210H00150221	●
										7,70	11,80	16,16	17,89	F04210H00150243	●
										20,45	21,35	23,42	25,94	F04210H00150178	●
										14,45	20,68	22,68	25,13	F04210H00150200	●
										9,20	20,01	21,94	24,31	F04210H00150222	●
										7,70	11,80	21,21	23,49	F04210H00150244	●
1,50	0,20	2,25	5,0	1,45	20,0	0,4	12	78	6	25,49	26,62	29,21	32,36	F04210H00150179	●
										14,45	25,72	28,22	31,27	F04210H00150201	●
										9,20	20,32	27,24	30,18	F04210H00150223	●
										7,70	11,80	26,26	29,09	F04210H00150245	●
										30,53	31,89	34,99	38,78	F04210H00150180	●
										14,45	30,77	33,76	37,42	F04210H00150202	●
										9,20	20,32	32,53	36,06	F04210H00150224	●
										7,70	11,80	31,31	34,69	F04210H00150246	●
										35,58	37,15	40,78	-	F04210H00150181	●
										14,45	35,81	39,30	-	F04210H00150203	●
										9,20	20,32	37,83	41,93	F04210H00150225	●
										7,70	11,80	36,35	40,29	F04210H00150247	●
1,50	0,20	2,25	10,0	1,45	30,0	0,4	12	78	6	40,62	42,42	46,56	-	F04210H00150182	●
										14,45	40,86	44,84	-	F04210H00150204	●
										9,20	20,32	43,12	-	F04210H00150226	●
										7,70	11,80	41,40	-	F04210H00150248	●
										45,29	46,17	48,02	-	F04210H00150183	●
										14,45	45,51	47,91	-	F04210H00150205	●
										9,20	20,32	47,61	-	F04210H00150227	●
										7,70	11,80	46,45	-	F04210H00150249	●
										20,62	21,53	23,62	26,16	F04210H00150184	●
										20,19	21,08	23,12	25,62	F04210H00150206	●
										16,97	20,63	22,63	25,07	F04210H00150228	●
										14,48	20,19	22,14	24,53	F04210H00150250	●
1,50	0,20	2,25	10,0	1,45	25,0	0,4	12	78	6	25,66	26,80	29,40	32,58	F04210H00150185	●
										25,02	26,13	28,66	31,76	F04210H00150207	●
										16,97	25,45	27,93	30,94	F04210H00150229	●
										14,48	22,36	27,19	30,13	F04210H00150251	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



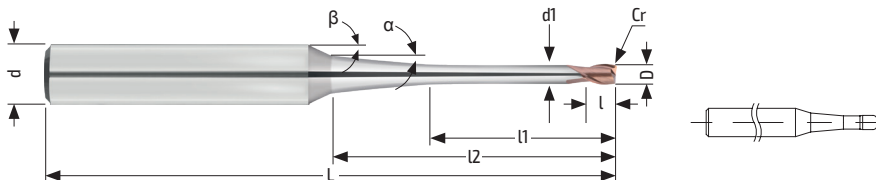
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
1,50	0,30	2,25	10,0	30,0	1,45	12	78	6	6	0,4	30,70	32,06	35,19	39,00	F04210H00150186	●			
										0,9	25,70	31,17	34,21	37,91	F04210H00150208	●			
										1,4	16,97	30,27	33,22	36,82	F04210H00150230	●			
										1,9	14,48	22,36	32,24	35,73	F04210H00150252	●			
										0,4	35,75	37,33	40,97	-	F04210H00150187	●			
										0,9	25,70	36,21	39,75	-	F04210H00150209	●			
										1,4	16,97	35,10	38,52	42,69	F04210H00150231	●			
										1,9	14,48	22,36	37,29	41,33	F04210H00150253	●			
										0,4	40,79	42,60	46,76	-	F04210H00150188	●			
										0,9	25,70	41,26	45,29	-	F04210H00150210	●			
										1,4	16,97	37,82	43,81	-	F04210H00150232	●			
										1,9	14,48	22,36	42,34	-	F04210H00150254	●			
				0,4	45,37	46,24	48,10	-	F04210H00150189	●									
				0,9	25,70	45,73	48,14	-	F04210H00150211	●									
				1,4	16,97	37,82	47,22	-	F04210H00150233	●									
				1,9	14,48	22,36	46,82	-	F04210H00150255	●									
				0,4	25,83	26,98	29,60	32,80	F04210H00150190	●									
				0,9	25,40	26,53	29,11	32,25	F04210H00150212	●									
				1,4	24,75	26,08	28,62	31,71	F04210H00150234	●									
				1,9	21,27	25,63	28,12	31,16	F04210H00150256	●									
				0,4	30,88	32,24	35,38	39,22	F04210H00150191	●									
				0,9	30,23	31,57	34,65	38,40	F04210H00150213	●									
				1,4	24,75	30,90	33,91	37,58	F04210H00150235	●									
				1,9	21,27	30,23	33,17	36,76	F04210H00150257	●									
			0,4	35,92	37,51	41,17	-	F04210H00150192	●										
			0,9	35,06	36,62	40,19	-	F04210H00150214	●										
			1,4	24,75	35,72	39,21	-	F04210H00150236	●										
			1,9	21,27	32,91	38,22	42,36	F04210H00150258	●										
			0,4	40,96	42,78	46,96	-	F04210H00150193	●										
			0,9	36,95	41,66	45,73	-	F04210H00150215	●										
			1,4	24,75	40,54	44,50	-	F04210H00150237	●										
			1,9	21,27	32,91	43,27	-	F04210H00150259	●										
			0,4	45,44	46,32	48,19	-	F04210H00150194	●										
			0,9	36,95	45,74	47,58	-	F04210H00150216	●										
			1,4	24,75	45,20	47,59	-	F04210H00150238	●										
			1,9	21,27	32,91	47,53	-	F04210H00150260	●										
			0,4	31,05	32,42	35,58	39,43	F04210H00150195	●										
			0,9	30,62	31,98	35,09	38,89	F04210H00150217	●										
			1,4	30,19	31,53	34,60	38,34	F04210H00150239	●										
			1,9	28,05	31,08	34,11	37,80	F04210H00150261	●										
			20,0	0,30	2,25	15,0	1,45	12	78	6	6	6	0,4	31,05	32,42	35,58	39,43	F04210H00150195	●
													0,9	30,62	31,98	35,09	38,89	F04210H00150217	●
													1,4	30,19	31,53	34,60	38,34	F04210H00150239	●
													1,9	28,05	31,08	34,11	37,80	F04210H00150261	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
1,50	0,30	2,25	20,0							35,0	0,4	12	36,09	37,69	41,37	-	F04210H00150196	●
											0,9	35,45	37,02	40,63	-	F04210H00150218	●	
											1,4	32,53	36,35	39,89	-	F04210H00150240	●	
											1,9	28,05	35,68	39,16	-	F04210H00150262	●	
										0,4	15	40,89	42,30	45,45	-	F04210H00150197	●	
										0,9	40,28	42,06	46,17	-	F04210H00150219	●		
										1,4	32,53	41,17	45,19	-	F04210H00150241	●		
										1,9	28,05	40,27	44,21	-	F04210H00150263	●		
										0,4	25	45,52	46,40	48,27	-	F04210H00150198	●	
										0,9	45,04	45,91	47,76	-	F04210H00150220	●		
										1,4	32,53	45,56	47,96	-	F04210H00150242	●		
										1,9	28,05	43,46	47,29	-	F04210H00150264	●		
										0,4	20	15,40	16,06	17,59	19,46	F04210H00150265	○	
										0,9	14,20	15,62	17,10	18,92	F04210H00150287	○		
										1,4	9,09	15,17	16,61	18,37	F04210H00150309	○		
										1,9	7,62	11,58	16,12	17,82	F04210H00150331	○		
										0,4	20,0	20,44	21,33	23,38	25,88	F04210H00150266	○	
										0,9	14,20	20,66	22,64	25,06	F04210H00150288	○		
										1,4	9,09	19,82	21,91	24,24	F04210H00150310	○		
										1,9	7,62	11,58	21,17	23,43	F04210H00150332	○		
	0,4	25,0	25,48	26,60	29,17	32,30	F04210H00150267	○										
	0,9	14,20	25,70	28,18	31,21	F04210H00150289	○											
	1,4	9,09	19,82	27,20	30,12	F04210H00150311	○											
	1,9	7,62	11,58	26,22	29,03	F04210H00150333	○											
	0,4	30,0	30,52	31,87	34,95	38,71	F04210H00150268	○										
	0,9	14,20	30,75	33,72	37,35	F04210H00150290	○											
	1,4	9,09	19,82	32,50	35,99	F04210H00150312	○											
	1,9	7,62	11,58	31,27	34,63	F04210H00150334	○											
	0,4	35,0	35,57	37,14	40,74	-	F04210H00150269	○										
	0,9	14,20	35,79	39,26	-	F04210H00150291	○											
	1,4	9,09	19,82	37,79	41,86	F04210H00150313	○											
	1,9	7,62	11,58	36,32	40,23	F04210H00150335	○											
	0,4	40,0	40,61	42,40	46,53	-	F04210H00150270	○										
	0,9	14,20	40,84	44,81	-	F04210H00150292	○											
	1,4	9,09	19,82	43,09	-	F04210H00150314	○											
	1,9	7,62	11,58	41,36	-	F04210H00150336	○											
	0,4	45,0	45,29	46,16	48,01	-	F04210H00150271	○										
	0,9	14,20	45,50	47,88	-	F04210H00150293	○											
	1,4	9,09	19,82	47,58	-	F04210H00150315	○											
	1,9	7,62	11,58	46,41	-	F04210H00150337	○											
	0,4	20,0	20,61	21,51	23,58	26,10	F04210H00150272	○										
	0,9	16,86	21,06	23,08	25,55	F04210H00150294	○											
	1,4	14,41	20,62	22,59	25,01	F04210H00150316	○											
	1,9	14,41	20,17	22,10	24,46	F04210H00150338	○											
	0,4	25,0	25,65	26,78	29,36	32,51	F04210H00150273	○										
	0,9	16,86	26,11	28,63	31,70	F04210H00150295	○											
	1,4	14,41	25,44	27,89	30,88	F04210H00150317	○											
	1,9	14,41	22,14	27,15	30,06	F04210H00150339	○											
	0,4	30,0	30,70	32,05	35,15	38,93	F04210H00150274	○										
	0,9	25,45	31,15	34,17	37,84	F04210H00150296	○											
	1,4	16,86	30,26	33,18	36,75	F04210H00150318	○											
	1,9	14,41	22,14	32,20	35,66	F04210H00150340	○											
	0,4	35,0	35,74	37,32	40,94	-	F04210H00150275	○										
	0,9	25,45	36,20	39,71	-	F04210H00150297	○											
	1,4	16,86	35,08	38,48	42,63	F04210H00150319	○											
	1,9	14,41	22,14	37,25	41,26	F04210H00150341	○											



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



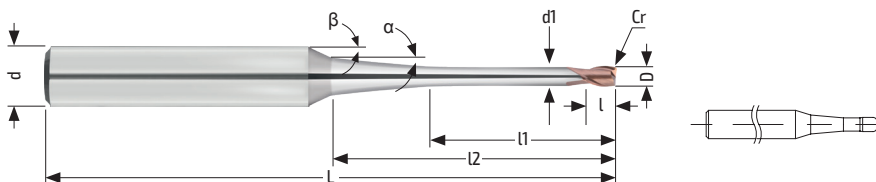
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,50	0,50	2,25	10,0	1,45	40,0	12	12	78	6	40,78	42,58	46,72	-	F04210H00150276	○		
										25,45	41,24	45,25	-	F04210H00150298	○		
										16,86	37,32	43,77	-	F04210H00150320	○		
										14,41	22,14	42,30	-	F04210H00150342	○		
						45,0	20			15	45,36	46,24	48,09	-	F04210H00150277	○	
						25,45					45,72	48,12	-	F04210H00150299	○		
						16,86					37,32	47,19	-	F04210H00150321	○		
						14,41					22,14	46,79	-	F04210H00150343	○		
						25,0	12			12	25,82	26,96	29,56	32,73	F04210H00150278	○	
						25,40					26,51	29,07	32,19	F04210H00150300	○		
						24,64					26,06	28,58	31,64	F04210H00150322	○		
						21,19					25,61	28,08	31,10	F04210H00150344	○		
			30,0	12	12	30,87					32,23	35,35	39,15	F04210H00150279	○		
			30,22			31,55					34,61	38,33	F04210H00150301	○			
			24,64			30,88					33,87	37,52	F04210H00150323	○			
			21,19			30,21					33,13	36,70	F04210H00150345	○			
			15,0	12	12	35,91					37,49	41,13	-	F04210H00150280	○		
			35,05			36,60					40,15	-	F04210H00150302	○			
			24,64			35,70					39,17	43,39	F04210H00150324	○			
			21,19			32,69					38,18	42,30	F04210H00150346	○			
			40,0			20	12			40,95	42,76	46,92	-	F04210H00150281	○		
			36,70							41,64	45,69	-	F04210H00150303	○			
			24,64							40,53	44,46	-	F04210H00150325	○			
			21,19							32,69	43,23	-	F04210H00150347	○			
			45,0							20	15	45,44	46,31	48,17	-	F04210H00150282	○
			36,70									45,73	47,56	-	F04210H00150304	○	
			24,64									45,19	47,57	-	F04210H00150326	○	
			21,19									32,69	47,50	-	F04210H00150348	○	
			30,0	12	12					31,04	32,40	35,54	39,37	F04210H00150283	○		
			30,61							31,96	35,05	38,82	F04210H00150305	○			
			30,18							31,51	34,56	38,28	F04210H00150327	○			
			27,98							31,06	34,07	37,73	F04210H00150349	○			
			35,0			12	12			36,08	37,67	41,33	-	F04210H00150284	○		
			35,44							37,00	40,59	-	F04210H00150306	○			
			32,42							36,33	39,85	-	F04210H00150328	○			
			27,98							35,66	39,12	43,33	F04210H00150350	○			
			40,0			15	12			40,88	42,29	45,42	-	F04210H00150285	○		
			40,27							42,05	46,13	-	F04210H00150307	○			
			32,42							41,15	45,15	-	F04210H00150329	○			
			27,98							40,26	44,17	-	F04210H00150351	○			
			45,0	20	20					45,52	46,39	48,25	-	F04210H00150286	○		
			45,04							45,91	47,74	-	F04210H00150308	○			
			32,42							45,55	47,94	-	F04210H00150330	○			
			27,98							43,24	47,27	-	F04210H00150352	○			



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	0,10	3,00	5,0	1,90	15,0	0,4	12	78	6	15,54	16,23	17,81	19,75	F04210H00200001	○		
										108	15,54	16,23	17,81	19,75	F04210H00200353	○	
						0,9		78		15,11	15,78	17,32	19,20	F04210H00200023	○		
								108		15,11	15,78	17,32	19,20	F04210H00200390	○		
						1,4		78		10,90	15,33	16,83	18,66	F04210H00200045	○		
								108		10,90	15,33	16,83	18,66	F04210H00200427	○		
						1,9		78		8,79	13,62	16,34	18,11	F04210H00200067	○		
								108		8,79	13,62	16,34	18,11	F04210H00200464	○		
						20,0		0,4		78	20,58	21,49	23,60	26,17	F04210H00200002	○	
										108	20,58	21,49	23,60	26,17	F04210H00200354	○	
					0,9			78		18,28	20,82	22,86	25,35	F04210H00200024	○		
								108		18,28	20,82	22,86	25,35	F04210H00200391	○		
					1,4			78		10,90	20,15	22,12	24,53	F04210H00200046	○		
								108		10,90	20,15	22,12	24,53	F04210H00200428	○		
					1,9			78		8,79	13,62	21,39	23,71	F04210H00200068	○		
								108		8,79	13,62	21,39	23,71	F04210H00200465	○		
					25,0			0,4		78	25,62	26,76	29,39	32,58	F04210H00200003	○	
										108	25,62	26,76	29,39	32,58	F04210H00200355	○	
						0,9		78		18,28	25,87	28,40	31,49	F04210H00200025	○		
								108		18,28	25,87	28,40	31,49	F04210H00200392	○		
						1,4		78		10,90	24,40	27,42	30,40	F04210H00200047	○		
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						1,9		78		8,79	13,62	26,44	29,31	F04210H00200069	○		
								108		8,79	13,62	26,44	29,31	F04210H00200466	○		
						30,0		0,4		78	30,66	32,03	35,17	-	F04210H00200004	○	
										108	30,66	32,03	35,17	-	F04210H00200356	○	
					0,9			78		18,28	30,91	33,94	37,64	F04210H00200026	○		
								108		18,28	30,91	33,94	37,64	F04210H00200393	○		
					1,4			78		10,90	24,40	32,71	36,28	F04210H00200048	○		
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					35,0			0,4		78	35,71	37,30	40,96	-	F04210H00200005	○	
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						0,9		78		18,28	35,96	39,48	-	F04210H00200027	○		
								108		18,28	35,96	39,48	-	F04210H00200394	○		
						1,4		78		10,90	24,40	38,01	-	F04210H00200049	○		
								108		10,90	24,40	38,01	-	F04210H00200431	○		
						1,9		78		8,79	13,62	36,53	-	F04210H00200071	○		
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						40,0		0,4		78	40,75	42,57	46,74	-	F04210H00200006	○	
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					0,9			78		18,28	41,00	45,03	-	F04210H00200028	○		
								108		18,28	41,00	45,03	-	F04210H00200395	○		
					1,4			78		10,90	24,40	43,30	-	F04210H00200050	○		
								108		10,90	24,40	43,30	-	F04210H00200432	○		
					1,9			78		8,79	13,62	41,58	-	F04210H00200072	○		
								108		8,79	13,62	41,58	-	F04210H00200469	○		
					45,0			0,4		20	78	45,45	46,60	49,06	-	F04210H00200007	○
										12	108	45,79	47,84	52,53	-	F04210H00200359	○
						0,9		20		78	18,28	45,59	48,00	-	F04210H00200029	○	
								12		108	18,28	46,05	50,57	-	F04210H00200396	○	
						1,4		15		78	10,90	24,40	47,74	-	F04210H00200051	○	
								108		10,90	24,40	48,60	-	F04210H00200433	○		
						1,9		12		78	8,79	13,62	46,63	-	F04210H00200073	○	
								108		8,79	13,62	46,63	-	F04210H00200470	○		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



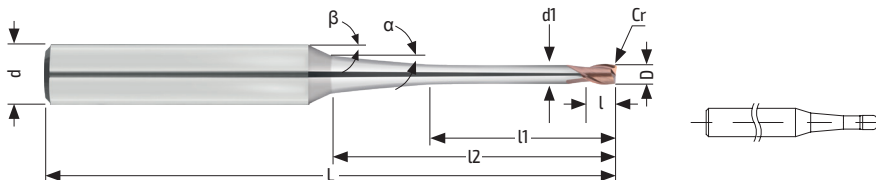
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,10	3,00	5,0	1,90	50,0	0,4	12	108	6	50,84	53,11	-	-	F04210H00200360	○
						0,9				18,28	51,09	56,11	-	F04210H00200397	○
						1,4				10,90	24,40	53,89	-	F04210H00200434	○
						1,9				8,79	13,62	51,68	-	F04210H00200471	○
						0,4				55,88	58,37	-	-	F04210H00200361	○
						0,9				18,28	56,14	-	-	F04210H00200398	○
						1,4				10,90	24,40	-	-	F04210H00200435	○
						1,9				8,79	13,62	56,73	-	F04210H00200472	○
						0,4				60,92	63,64	-	-	F04210H00200362	○
						0,9				18,28	61,18	-	-	F04210H00200399	○
						1,4				10,90	24,40	-	-	F04210H00200436	○
						1,9				8,79	13,62	-	-	F04210H00200473	○
					0,4	65,96	68,91	-	-	F04210H00200363	○				
					0,9	18,28	66,23	-	-	F04210H00200400	○				
					1,4	10,90	24,40	-	-	F04210H00200437	○				
					1,9	8,79	13,62	-	-	F04210H00200474	○				
					0,4	78	20,75	21,67	23,80	26,38	F04210H00200008	○			
					0,9	78	20,75	21,67	23,80	26,38	F04210H00200364	○			
					1,4	108	20,32	21,23	23,30	25,84	F04210H00200030	○			
					1,9	108	20,32	21,23	23,30	25,84	F04210H00200401	○			
					0,4	78	18,68	20,78	22,81	25,29	F04210H00200052	○			
					0,9	108	18,68	20,78	22,81	25,29	F04210H00200438	○			
					1,4	108	15,57	20,33	22,32	24,75	F04210H00200074	○			
					1,9	108	15,57	20,33	22,32	24,75	F04210H00200475	○			
			0,4	78	25,79	26,94	29,58	32,80	F04210H00200009	○					
			0,9	108	25,79	26,94	29,58	32,80	F04210H00200365	○					
			1,4	108	25,15	26,27	28,84	31,98	F04210H00200031	○					
			1,9	108	25,15	26,27	28,84	31,98	F04210H00200402	○					
			0,4	78	18,68	25,60	28,11	31,17	F04210H00200053	○					
			0,9	108	18,68	25,60	28,11	31,17	F04210H00200439	○					
			1,4	108	15,57	24,17	27,37	30,35	F04210H00200075	○					
			1,9	108	15,57	24,17	27,37	30,35	F04210H00200476	○					
			0,4	78	30,84	32,21	35,37	-	F04210H00200010	○					
			0,9	108	30,84	32,21	35,37	-	F04210H00200366	○					
			1,4	108	29,53	31,32	34,39	38,13	F04210H00200032	○					
			1,9	108	29,53	31,32	34,39	38,13	F04210H00200403	○					
			0,4	78	18,68	30,42	33,40	37,04	F04210H00200054	○					
			0,9	108	18,68	30,42	33,40	37,04	F04210H00200440	○					
			1,4	108	15,57	24,17	32,42	35,95	F04210H00200076	○					
			1,9	108	15,57	24,17	32,42	35,95	F04210H00200477	○					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210





D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,10	3,00	10,0	1,90	35,0	0,4	12	78	6	35,88	37,48	41,15	-	F04210H00200011	○	
								108		35,88	37,48	41,15	-	F04210H00200367	○	
						0,9		78		29,53	36,36	39,93	-	F04210H00200033	○	
								108		29,53	36,36	39,93	-	F04210H00200404	○	
						1,4		78		18,68	35,24	38,70	-	F04210H00200055	○	
								108		18,68	35,24	38,70	-	F04210H00200441	○	
						1,9		78		15,57	24,17	37,47	-	F04210H00200077	○	
								108		15,57	24,17	37,47	-	F04210H00200478	○	
						40,0		0,4		78	40,92	42,75	46,94	-	F04210H00200012	○
										108	40,92	42,75	46,94	-	F04210H00200368	○
					0,9		78	29,53	41,41	45,47	-	F04210H00200034	○			
							108	29,53	41,41	45,47	-	F04210H00200405	○			
					1,4		78	18,68	40,06	43,99	-	F04210H00200056	○			
							108	18,68	40,06	43,99	-	F04210H00200442	○			
					1,9		78	15,57	24,17	42,52	-	F04210H00200078	○			
							108	15,57	24,17	42,52	-	F04210H00200479	○			
					45,0		0,4	20	78	45,55	46,70	49,17	-	F04210H00200013	○	
								12	108	45,96	48,02	52,73	-	F04210H00200369	○	
						0,9	20	78	29,53	45,81	48,24	-	F04210H00200035	○		
							12	108	29,53	46,45	51,01	-	F04210H00200406	○		
						1,4	15	78	18,68	41,90	48,27	-	F04210H00200057	○		
							108	18,68	41,90	49,29	-	F04210H00200443	○			
						1,9	78	15,57	24,17	47,57	-	F04210H00200079	○			
							108	15,57	24,17	47,57	-	F04210H00200480	○			
						50,0	0,4	78	51,01	53,28	-	-	F04210H00200370	○		
							0,9	78	29,53	51,49	56,55	-	F04210H00200407	○		
					1,4		78	18,68	41,90	54,58	-	F04210H00200444	○			
					1,9		78	15,57	24,17	52,62	-	F04210H00200481	○			
					55,0	0,4	108	56,05	58,55	-	-	F04210H00200371	○			
						0,9	108	29,53	56,54	-	-	F04210H00200408	○			
						1,4	108	18,68	41,90	-	-	F04210H00200445	○			
						1,9	108	15,57	24,17	-	-	F04210H00200482	○			
					60,0	0,4	108	61,09	63,82	-	-	F04210H00200372	○			
						0,9	108	29,53	61,58	-	-	F04210H00200409	○			
						1,4	108	18,68	41,90	-	-	F04210H00200446	○			
						1,9	108	15,57	24,17	-	-	F04210H00200483	○			
					65,0	0,4	12	66,14	69,09	-	-	F04210H00200373	○			
						0,9	12	29,53	66,63	-	-	F04210H00200410	○			
						1,4	12	18,68	41,90	-	-	F04210H00200447	○			
						1,9	12	15,57	24,17	-	-	F04210H00200484	○			
					25,0	0,4	78	25,96	27,12	29,78	33,02	F04210H00200014	○			
							108	25,96	27,12	29,78	33,02	F04210H00200374	○			
						0,9	78	25,54	26,67	29,29	32,47	F04210H00200036	○			
							108	25,54	26,67	29,29	32,47	F04210H00200411	○			
						1,4	78	25,11	26,23	28,80	31,93	F04210H00200058	○			
							108	25,11	26,23	28,80	31,93	F04210H00200448	○			
						1,9	78	22,36	25,78	28,30	31,38	F04210H00200080	○			
							108	22,36	25,78	28,30	31,38	F04210H00200485	○			
						30,0	0,4	78	31,01	32,39	35,56	-	F04210H00200015	○		
								108	31,01	32,39	35,56	-	F04210H00200375	○		
							0,9	78	30,36	31,72	34,83	-	F04210H00200037	○		
								108	30,36	31,72	34,83	-	F04210H00200412	○		
							1,4	78	26,45	31,05	34,09	37,80	F04210H00200059	○		
								108	26,45	31,05	34,09	37,80	F04210H00200449	○		
							1,9	78	22,36	30,38	33,35	36,98	F04210H00200081	○		
								108	22,36	30,38	33,35	36,98	F04210H00200486	○		



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

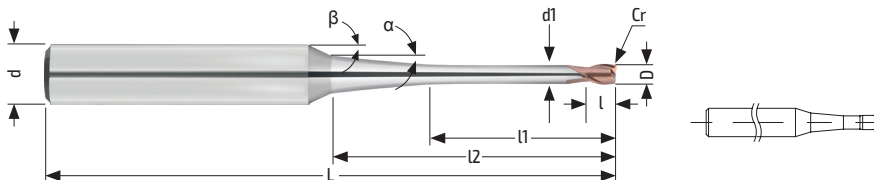


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,10	3,00	15,0	1,90	35,0	0,4	12	78	6	36,05	37,66	41,35	-	F04210H00200016	○	
										108	36,05	37,66	41,35	-	F04210H00200376	○
										78	35,19	36,76	40,37	-	F04210H00200038	○
										108	35,19	36,76	40,37	-	F04210H00200413	○
										78	26,45	35,87	39,39	-	F04210H00200060	○
										108	26,45	35,87	39,39	-	F04210H00200450	○
						78		22,36		34,72	38,40	-	F04210H00200082	○		
						108		22,36		34,72	38,40	-	F04210H00200487	○		
						78		41,09		42,93	47,14	-	F04210H00200017	○		
						108		41,09		42,93	47,14	-	F04210H00200377	○		
						78		40,02		41,81	45,91	-	F04210H00200039	○		
						108		40,02		41,81	45,91	-	F04210H00200414	○		
					78	26,45	40,69	44,68		-	F04210H00200061	○				
					108	26,45	40,69	44,68		-	F04210H00200451	○				
					78	22,36	34,72	43,45		-	F04210H00200083	○				
					108	22,36	34,72	43,45		-	F04210H00200488	○				
					78	22,36	34,72	43,45		-	F04210H00200018	○				
					108	45,50	46,39	48,26		-	F04210H00200018	○				
					78	46,14	48,19	52,92		-	F04210H00200378	○				
					108	40,78	46,04	48,48		-	F04210H00200040	○				
					78	40,78	46,85	51,45		-	F04210H00200415	○				
					108	26,45	45,40	48,79		-	F04210H00200062	○				
					78	26,45	45,51	49,98		-	F04210H00200452	○				
					108	22,36	34,72	47,67		-	F04210H00200084	○				
					78	22,36	34,72	48,50		-	F04210H00200489	○				
					108	51,18	53,46	-		-	F04210H00200379	○				
					78	40,78	51,90	56,99		-	F04210H00200416	○				
					108	26,45	50,33	55,27		-	F04210H00200453	○				
					78	22,36	34,72	53,55		-	F04210H00200490	○				
					108	56,22	58,73	-		-	F04210H00200380	○				
					78	40,78	56,94	-		-	F04210H00200417	○				
					108	26,45	55,15	-		-	F04210H00200454	○				
					78	22,36	34,72	-		-	F04210H00200491	○				
					108	61,26	64,00	-		-	F04210H00200381	○				
					78	40,78	61,99	-		-	F04210H00200418	○				
					108	26,45	59,39	-		-	F04210H00200455	○				
78	22,36	34,72	-	-	F04210H00200492	○										

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



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 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock								
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°										
2,00	0,10	3,00	20,0	1,90	30,0	0,4	12	78	6	31,18	32,57	35,76	-	F04210H00200019	○								
										108	31,18	32,57	35,76	-	F04210H00200383	○							
						0,9		78		30,75	32,12	35,27	-	F04210H00200041	○								
								108		30,75	32,12	35,27	-	F04210H00200420	○								
						1,4		78		30,32	31,67	34,78	-	F04210H00200063	○								
								108		30,32	31,67	34,78	-	F04210H00200457	○								
						1,9		78		29,14	31,23	34,29	38,02	F04210H00200085	○								
								108		29,14	31,23	34,29	38,02	F04210H00200494	○								
						35,0		0,4		78	25	78	36,22	37,84	41,55	-	F04210H00200020	○					
																			108	36,22	37,84	41,55	-
					0,9			78		35,58		37,17	40,81	-	F04210H00200042	○							
																	108	35,58	37,17	40,81	-	F04210H00200421	○
					1,4			78		34,23		36,49	40,07	-	F04210H00200064	○							
																	108	34,23	36,49	40,07	-	F04210H00200458	○
					1,9			78		29,14		35,82	39,34	-	F04210H00200086	○							
																	108	29,14	35,82	39,34	-	F04210H00200495	○
					40,0			0,4		78		12	78	41,26	43,11	47,33	-	F04210H00200021	○				
																				108	41,26	43,11	47,33
						0,9		78		40,41			42,21	46,35	-	F04210H00200043	○						
																		108	40,41	42,21	46,35	-	F04210H00200422
						1,4		78		34,23			41,32	45,37	-	F04210H00200065	○						
																		108	34,23	41,32	45,37	-	F04210H00200459
						1,9		78		29,14			40,42	44,39	-	F04210H00200087	○						
																		108	29,14	40,42	44,39	-	F04210H00200496
						45,0		0,4		78			25	78	45,58	46,46	48,34	-	F04210H00200022	○			
																					108	45,58	46,46
					0,9			78		45,13				46,27	48,72	-	F04210H00200044	○					
																			108	45,13	46,27	48,72	-
					1,4			78		34,23				45,64	48,06	-	F04210H00200066	○					
																			108	34,23	45,64	48,06	-
					1,9			78		29,14				45,01	48,38	-	F04210H00200088	○					
																			108	29,14	45,01	48,38	-
					50,0			0,4		78				12	78	51,35	53,64	-	-	F04210H00200387	○		
																						108	51,35
						0,9		78		50,06					52,30	-	-	F04210H00200461	○				
																				108	50,06	52,30	-
						1,4		78		34,23					50,96	55,96	-	F04210H00200388	○				
																				108	34,23	50,96	55,96
						1,9		78		29,14					45,27	54,48	-	F04210H00200499	○				
																				108	29,14	45,27	54,48
						55,0		0,4		78					25	78	56,39	58,91	-	-	F04210H00200388	○	
																							108
					0,9			78		52,03						57,34	-	-	F04210H00200462	○			
																					108	52,03	57,34
					1,4			78		34,23						55,78	-	-	F04210H00200066	○			
																					108	34,23	55,78
					1,9			78		29,14						45,27	-	-	F04210H00200499	○			
																					108	29,14	45,27
					60,0			0,4		78						12	78	61,43	64,18	-	-	F04210H00200389	○
	0,9	78	52,03	62,39		-		-		F04210H00200463							○						
																		108	52,03	62,39	-	-	F04210H00200463
	1,4	78	34,23	60,60		-		-		F04210H00200500							○						
																		108	34,23	60,60	-	-	F04210H00200500
	1,9	78	29,14	45,27		-		-		F04210H00200089							●						
																		108	29,14	45,27	-	-	F04210H00200089
	15,0	0,4	78	25		78		15,53		16,22							17,79	19,71	F04210H002000501	●			
																					108	15,53	16,22
		0,9	78		15,10	15,77		17,30		19,17							F04210H00200111	●					
																			108	15,10	15,77	17,30	19,17
		1,4	78		10,84	15,32		16,81		18,62							F04210H00200133	●					
																			108	10,84	15,32	16,81	18,62
		1,9	78		8,75	13,51		16,32		18,08							F04210H00200155	●					
																			108	8,75	13,51	16,32	18,08
		1,9	78		8,75	13,51		16,32		18,08							F04210H00200612	●					
																			108	8,75	13,51	16,32	18,08



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



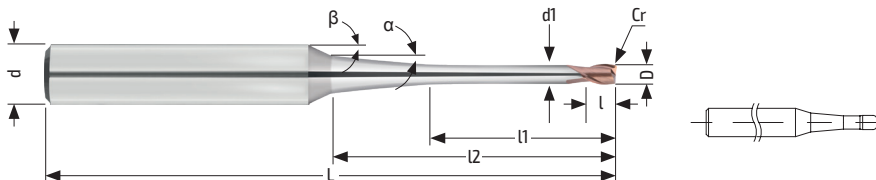
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,20	3,00	5,0	1,90	20,0	0,4	12	6	6	20,57	21,49	23,58	26,13	F04210H00200090	●	
										108	20,57	21,49	23,58	26,13	F04210H00200502	●
										78	18,16	20,81	22,84	25,32	F04210H00200112	●
										108	18,16	20,81	22,84	25,32	F04210H00200539	●
										78	10,84	20,14	22,11	24,50	F04210H00200134	●
										108	10,84	20,14	22,11	24,50	F04210H00200576	●
						78				8,75	13,51	21,37	23,68	F04210H00200156	●	
						108				8,75	13,51	21,37	23,68	F04210H00200613	●	
						78				25,62	26,75	29,37	32,55	F04210H00200091	●	
						108				25,62	26,75	29,37	32,55	F04210H00200503	●	
						78				18,16	25,86	28,38	31,46	F04210H00200113	●	
						108				18,16	25,86	28,38	31,46	F04210H00200540	●	
					78	10,84	24,15	27,40		30,37	F04210H00200135	●				
					108	10,84	24,15	27,40		30,37	F04210H00200577	●				
					78	8,75	13,51	26,42		29,28	F04210H00200157	●				
					108	8,75	13,51	26,42		29,28	F04210H00200614	●				
					78	30,66	32,02	35,15		-	F04210H00200092	●				
					108	30,66	32,02	35,15		-	F04210H00200504	●				
					78	18,16	30,90	33,92		37,61	F04210H00200114	●				
					108	18,16	30,90	33,92		37,61	F04210H00200541	●				
					78	10,84	24,15	32,70		36,24	F04210H00200136	●				
					108	10,84	24,15	32,70		36,24	F04210H00200578	●				
					78	8,75	13,51	31,47		34,88	F04210H00200158	●				
					108	8,75	13,51	31,47		34,88	F04210H00200615	●				
					78	35,70	37,29	40,94		-	F04210H00200093	●				
					108	35,70	37,29	40,94		-	F04210H00200505	●				
					78	18,16	35,95	39,46		-	F04210H00200115	●				
					108	18,16	35,95	39,46		-	F04210H00200542	●				
					78	10,84	24,15	37,99		-	F04210H00200137	●				
					108	10,84	24,15	37,99		-	F04210H00200579	●				
					78	8,75	13,51	36,52		-	F04210H00200159	●				
					108	8,75	13,51	36,52		-	F04210H00200616	●				
					78	40,75	42,56	46,73		-	F04210H00200094	●				
					108	40,75	42,56	46,73		-	F04210H00200506	●				
					78	18,16	40,99	45,01		-	F04210H00200116	●				
					108	18,16	40,99	45,01		-	F04210H00200543	●				
					78	10,84	24,15	43,29		-	F04210H00200138	●				
					108	10,84	24,15	43,29		-	F04210H00200580	●				
					78	8,75	13,51	41,56		-	F04210H00200160	●				
					108	8,75	13,51	41,56		-	F04210H00200617	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock																			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°																					
2,00	0,20	3,00	5,0	1,90	20,0	0,4	12	78	6	45,45	46,59	49,05	-	F04210H00200095	●																			
										45,79	47,83	52,51	-	F04210H00200507	●																			
										0,9	20	78	18,16	45,58	47,99	-	F04210H00200117	●																
											12	108	18,16	46,04	50,55	-	F04210H00200544	●																
										1,4	15	78	10,84	24,15	47,73	-	F04210H00200139	●																
											108	10,84	24,15	48,58	-	F04210H00200581	●																	
										1,9	78	8,75	13,51	46,61	-	F04210H00200161	●																	
											78	8,75	13,51	46,61	-	F04210H00200618	●																	
										50,0	0,4	50,83	53,10	-	-	F04210H00200508	●																	
											0,9	18,16	51,08	56,09	-	F04210H00200545	●																	
											1,4	10,84	24,15	53,88	-	F04210H00200582	●																	
											1,9	8,75	13,51	51,66	-	F04210H00200619	●																	
										55,0	0,4	55,87	58,36	-	-	F04210H00200509	●																	
											0,9	18,16	56,13	-	-	F04210H00200546	●																	
											1,4	10,84	24,15	-	-	F04210H00200583	●																	
											1,9	8,75	13,51	56,71	-	F04210H00200620	●																	
										60,0	0,4	60,92	63,63	-	-	F04210H00200510	●																	
											0,9	18,16	61,17	-	-	F04210H00200547	●																	
											1,4	10,84	24,15	-	-	F04210H00200584	●																	
											1,9	8,75	13,51	-	-	F04210H00200621	●																	
										65,0	0,4	65,96	68,90	-	-	F04210H00200511	●																	
											0,9	18,16	66,22	-	-	F04210H00200548	●																	
											1,4	10,84	24,15	-	-	F04210H00200585	●																	
											1,9	8,75	13,51	-	-	F04210H00200622	●																	
										10,0	1,90	20,0	12	78	20,75	0,4	108	6	20,75	21,66	23,78	26,35	F04210H00200096	●										
																			20,75	21,66	23,78	26,35	F04210H00200512	●										
																			0,9	20,32	21,22	23,28	25,81	F04210H00200118	●									
																				20,32	21,22	23,28	25,81	F04210H00200549	●									
																			1,4	18,62	20,77	22,79	25,26	F04210H00200140	●									
																				18,62	20,77	22,79	25,26	F04210H00200586	●									
																			1,9	15,54	20,32	22,30	24,72	F04210H00200162	●									
																				15,54	20,32	22,30	24,72	F04210H00200623	●									
																			25,0	0,4	78	25,79	26,93	29,56	32,77	F04210H00200097	●							
																				0,9	108	25,79	26,93	29,56	32,77	F04210H00200513	●							
																				1,4	78	25,15	26,26	28,83	31,95	F04210H00200119	●							
																				1,9	108	25,15	26,26	28,83	31,95	F04210H00200550	●							
																			30,0	0,4	78	18,62	25,59	28,09	31,13	F04210H00200141	●							
																				0,9	108	18,62	25,59	28,09	31,13	F04210H00200587	●							
																				1,4	78	15,54	24,06	27,35	30,32	F04210H00200163	●							
																				1,9	108	15,54	24,06	27,35	30,32	F04210H00200624	●							
																			35,0	0,4	78	30,83	32,20	35,35	-	F04210H00200098	●							
																				0,9	108	30,83	32,20	35,35	-	F04210H00200514	●							
																				1,4	78	29,40	31,31	34,37	38,10	F04210H00200120	●							
																				1,9	108	29,40	31,31	34,37	38,10	F04210H00200551	●							
																			15,54	24,06	37,45	108	18,62	30,41	33,38	37,01	6	18,62	30,41	33,38	37,01	F04210H00200142	●	
																												18,62	30,41	33,38	37,01	F04210H00200588	●	
																												0,4	15,54	24,06	32,40	35,92	F04210H00200164	●
																													15,54	24,06	32,40	35,92	F04210H00200625	●
																												0,9	35,87	37,47	41,14	-	F04210H00200099	●
																													35,87	37,47	41,14	-	F04210H00200515	●
																												1,4	29,40	36,35	39,91	-	F04210H00200121	●
																													29,40	36,35	39,91	-	F04210H00200552	●
																												1,9	18,62	35,23	38,68	-	F04210H00200143	●
																													18,62	35,23	38,68	-	F04210H00200589	●
																												1,9	15,54	24,06	37,45	-	F04210H00200165	●
																													15,54	24,06	37,45	-	F04210H00200626	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



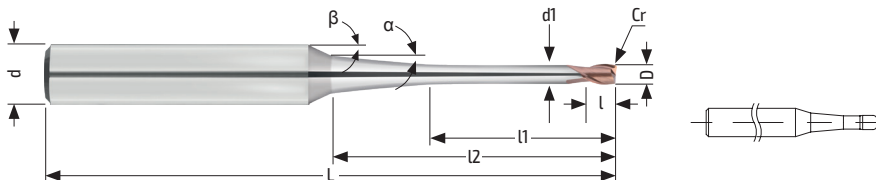
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,20	3,00	10,0	1,90	40,0	0,4	12	78	6	40,92	42,74	46,92	-	F04210H00200100	●	
								108		40,92	42,74	46,92	-	F04210H00200516	●	
								78		29,40	41,40	45,45	-	F04210H00200122	●	
								108		29,40	41,40	45,45	-	F04210H00200553	●	
								78		18,62	40,05	43,97	-	F04210H00200144	●	
								108		18,62	40,05	43,97	-	F04210H00200590	●	
						78	15,54	24,06		42,50	-	F04210H00200166	●			
						108	15,54	24,06		42,50	-	F04210H00200627	●			
						45,0	0,4	20		78	45,55	46,69	49,16	-	F04210H00200101	●
										108	45,96	48,01	52,71	-	F04210H00200517	●
										78	29,40	45,81	48,23	-	F04210H00200123	●
										108	29,40	45,81	48,23	-	F04210H00200554	●
					78					18,62	41,65	48,25	-	F04210H00200145	●	
					108					18,62	41,65	49,27	-	F04210H00200591	●	
					1,4		15	78		15,54	24,06	47,55	-	F04210H00200167	●	
								108		15,54	24,06	47,55	-	F04210H00200628	●	
								78		51,00	53,28	-	-	F04210H00200518	●	
								108		29,40	51,49	56,53	-	F04210H00200555	●	
								78		18,62	41,65	54,56	-	F04210H00200592	●	
								108		15,54	24,06	52,60	-	F04210H00200629	●	
					50,0	0,4	108	78		56,05	58,54	-	-	F04210H00200519	●	
								108		29,40	56,53	-	-	F04210H00200556	●	
								78		18,62	41,65	-	-	F04210H00200593	●	
								108		15,54	24,06	-	-	F04210H00200630	●	
								78		61,09	63,81	-	-	F04210H00200520	●	
								108		29,40	61,58	-	-	F04210H00200557	●	
						1,4	12	78		18,62	41,65	-	-	F04210H00200594	●	
								108		15,54	24,06	-	-	F04210H00200631	●	
								78		66,13	69,08	-	-	F04210H00200521	●	
								108		29,40	66,62	-	-	F04210H00200558	●	
								78		18,62	41,65	-	-	F04210H00200595	●	
								108		15,54	24,06	-	-	F04210H00200632	●	
					55,0	0,4	108	78		25,96	27,11	29,76	32,99	F04210H00200102	●	
								108		25,96	27,11	29,76	32,99	F04210H00200522	●	
								78		25,53	26,66	29,27	32,44	F04210H00200124	●	
								108		25,53	26,66	29,27	32,44	F04210H00200559	●	
								78		25,10	26,22	28,78	31,90	F04210H00200146	●	
								108		25,10	26,22	28,78	31,90	F04210H00200596	●	
						1,4	25,0	78		22,32	25,77	28,28	31,35	F04210H00200168	●	
								108		22,32	25,77	28,28	31,35	F04210H00200633	●	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,20	3,00	15,0	1,90	30,0	0,4	12	78	6	31,00	32,38	35,55	-	F04210H00200103	●
								108		31,00	32,38	35,55	-	F04210H00200523	●
						0,9		78	30,36	31,71	34,81	-	F04210H00200125	●	
								108	30,36	31,71	34,81	-	F04210H00200560	●	
						1,4		78	26,40	31,04	34,07	37,77	F04210H00200147	●	
								108	26,40	31,04	34,07	37,77	F04210H00200597	●	
						1,9		78	22,32	30,37	33,33	36,95	F04210H00200169	●	
								108	22,32	30,37	33,33	36,95	F04210H00200634	●	
						35,0		0,4	78	36,05	37,65	41,33	-	F04210H00200104	●
									108	36,05	37,65	41,33	-	F04210H00200524	●
					0,9			78	35,19	36,75	40,35	-	F04210H00200126	●	
								108	35,19	36,75	40,35	-	F04210H00200561	●	
					1,4			78	26,40	35,86	39,37	-	F04210H00200148	●	
								108	26,40	35,86	39,37	-	F04210H00200598	●	
					1,9			78	22,32	34,61	38,38	-	F04210H00200170	●	
								108	22,32	34,61	38,38	-	F04210H00200635	●	
					40,0			0,4	78	41,09	42,92	47,12	-	F04210H00200105	●
									108	41,09	42,92	47,12	-	F04210H00200525	●
						0,9		78	40,02	41,80	45,89	-	F04210H00200127	●	
								108	40,02	41,80	45,89	-	F04210H00200562	●	
						1,4		78	26,40	40,68	44,66	-	F04210H00200149	●	
								108	26,40	40,68	44,66	-	F04210H00200599	●	
						1,9		78	22,32	34,61	43,43	-	F04210H00200171	●	
								108	22,32	34,61	43,43	-	F04210H00200636	●	
						45,0		0,4	25	45,50	46,38	48,25	-	F04210H00200106	●
									12	46,13	48,19	52,90	-	F04210H00200526	●
					0,9			20	40,65	46,04	48,47	-	F04210H00200128	●	
								12	40,65	46,84	51,43	-	F04210H00200563	●	
					1,4			15	26,40	45,39	48,78	-	F04210H00200150	●	
								12	26,40	45,50	49,96	-	F04210H00200600	●	
					1,9			15	22,32	34,61	47,65	-	F04210H00200172	●	
								108	22,32	34,61	48,48	-	F04210H00200637	●	
					50,0			0,4	78	51,17	53,45	-	-	F04210H00200527	●
									108	40,65	51,89	56,97	-	F04210H00200564	●
						1,4		78	26,40	50,32	55,25	-	F04210H00200601	●	
								108	22,32	34,61	53,53	-	F04210H00200638	●	
						0,9		78	56,22	58,72	-	-	F04210H00200528	●	
					55,0	0,4		78	40,65	56,93	-	-	F04210H00200565	●	
								108	26,40	55,14	-	-	F04210H00200602	●	
						1,4		78	22,32	34,61	-	-	F04210H00200639	●	
								108	61,26	63,99	-	-	F04210H00200529	●	
						0,9		78	40,65	61,98	-	-	F04210H00200566	●	
					60,0	0,4		78	26,40	59,14	-	-	F04210H00200603	●	
								108	22,32	34,61	-	-	F04210H00200640	●	
						1,4		78	31,17	32,56	35,74	-	F04210H00200107	●	
								108	31,17	32,56	35,74	-	F04210H00200531	●	
						0,9		78	30,75	32,11	35,25	-	F04210H00200129	●	
					1,9	78		30,75	32,11	35,25	-	F04210H00200568	●		
						108		30,32	31,66	34,76	-	F04210H00200151	●		
						108		30,32	31,66	34,76	-	F04210H00200605	●		
			20,0	0,4	78	29,11		31,22	34,27	37,99	F04210H00200173	●			
					108	29,11		31,22	34,27	37,99	F04210H00200642	●			
				0,9	78	29,11		31,22	34,27	37,99	F04210H00200173	●			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



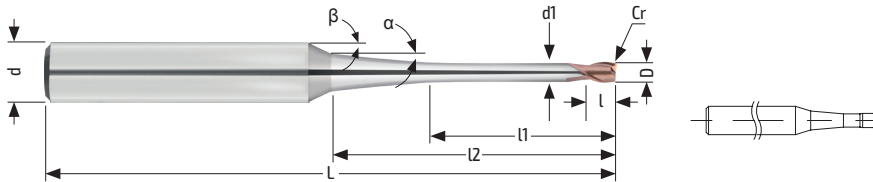
Non ISO  
Not ISO

04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	0,20	3,00	20,0	1,90	35,0	0,4	12	78	6	36,22	37,83	41,53	-	F04210H00200108	●		
										108	36,22	37,83	41,53	-	F04210H00200532	●	
										0,9	78	35,57	37,16	40,79	-	F04210H00200130	●
											108	35,57	37,16	40,79	-	F04210H00200569	●
										1,4	78	34,17	36,49	40,05	-	F04210H00200152	●
											108	34,17	36,49	40,05	-	F04210H00200606	●
						1,9				78	29,11	35,81	39,32	-	F04210H00200174	●	
										108	29,11	35,81	39,32	-	F04210H00200643	●	
						40,0				0,4	78	41,26	43,10	47,31	-	F04210H00200109	●
											108	41,26	43,10	47,31	-	F04210H00200533	●
										0,9	78	40,40	42,20	46,33	-	F04210H00200131	●
											108	40,40	42,20	46,33	-	F04210H00200570	●
					1,4		78	34,17		41,31	45,35	-	F04210H00200153	●			
							108	34,17		41,31	45,35	-	F04210H00200607	●			
					1,9	78	29,11	40,41		44,37	-	F04210H00200175	●				
					108	29,11	40,41	44,37		-	F04210H00200644	●					
					45,0	0,4	25	78		45,58	46,46	48,33	-	F04210H00200110	●		
							12	108		46,30	48,36	53,10	-	F04210H00200534	●		
						0,9	20	78		45,13	46,26	48,71	-	F04210H00200132	●		
							12	108		45,23	47,25	51,87	-	F04210H00200571	●		
						1,4	20	78		34,17	45,63	48,04	-	F04210H00200154	●		
							12	108		34,17	46,13	50,64	-	F04210H00200608	●		
						1,9	15	78		29,11	45,01	48,36	-	F04210H00200176	●		
							108	29,11		45,01	49,41	-	F04210H00200645	●			
50,0	0,4	51,34	53,63	-		-	F04210H00200535	●									
	0,9	50,06	52,29	57,41		-	F04210H00200572	●									
	1,4	34,17	50,95	55,94		-	F04210H00200609	●									
	1,9	29,11	45,16	54,46		-	F04210H00200646	●									
55,0	0,4	56,39	58,90	-	-	F04210H00200536	●										
	0,9	51,90	57,34	-	-	F04210H00200573	●										
	1,4	34,17	55,77	-	-	F04210H00200610	●										
	1,9	29,11	45,16	-	-	F04210H00200647	●										
60,0	0,4	61,43	64,17	-	-	F04210H00200537	●										
	0,9	51,90	62,38	-	-	F04210H00200574	●										
	1,4	34,17	60,59	-	-	F04210H00200611	●										
	1,9	29,11	45,16	-	-	F04210H00200648	●										

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	0,30	3,00	5,0	1,90	15,0	0,4	12	78	6	15,53	16,21	17,77	19,68	F04210H00200177	●		
										108	15,53	16,21	17,77	19,68	F04210H00200649	●	
						0,9		78		15,10	15,76	17,28	19,14	F04210H00200199	●		
								108		15,10	15,76	17,28	19,14	F04210H00200686	●		
						1,4		78		10,79	15,31	16,79	18,59	F04210H00200221	●		
								108		10,79	15,31	16,79	18,59	F04210H00200723	●		
						1,9		78		8,72	13,40	16,30	18,05	F04210H00200243	●		
								108		8,72	13,40	16,30	18,05	F04210H00200760	●		
						20,0		0,4		78	20,57	21,48	23,56	26,10	F04210H00200178	●	
										108	20,57	21,48	23,56	26,10	F04210H00200650	●	
					0,9			78		18,03	20,81	22,82	25,28	F04210H00200200	●		
								108		18,03	20,81	22,82	25,28	F04210H00200687	●		
					1,4			78		10,79	20,13	22,09	24,46	F04210H00200222	●		
								108		10,79	20,13	22,09	24,46	F04210H00200724	●		
					1,9			78		8,72	13,40	21,35	23,65	F04210H00200244	●		
								108		8,72	13,40	21,35	23,65	F04210H00200761	●		
					25,0			0,4		78	25,61	26,75	29,35	32,52	F04210H00200179	●	
										108	25,61	26,75	29,35	32,52	F04210H00200651	●	
						0,9		78		18,03	25,85	28,36	31,43	F04210H00200201	●		
								108		18,03	25,85	28,36	31,43	F04210H00200688	●		
						1,4		78		10,79	23,90	27,38	30,34	F04210H00200223	●		
								108		10,79	23,90	27,38	30,34	F04210H00200725	●		
						1,9		78		8,72	13,40	26,40	29,25	F04210H00200245	●		
								108		8,72	13,40	26,40	29,25	F04210H00200762	●		
						30,0		0,4		78	30,66	32,01	35,13	-	F04210H00200180	●	
										108	30,66	32,01	35,13	-	F04210H00200652	●	
					0,9			78		18,03	30,90	33,90	37,57	F04210H00200202	●		
								108		18,03	30,90	33,90	37,57	F04210H00200689	●		
					1,4			78		10,79	23,90	32,68	36,21	F04210H00200224	●		
								108		10,79	23,90	32,68	36,21	F04210H00200726	●		
					1,9			78		8,72	13,40	31,45	34,85	F04210H00200246	●		
								108		8,72	13,40	31,45	34,85	F04210H00200763	●		
					35,0			0,4		78	35,70	37,28	40,92	-	F04210H00200181	●	
										108	35,70	37,28	40,92	-	F04210H00200653	●	
						0,9		78		18,03	35,94	39,44	-	F04210H00200203	●		
								108		18,03	35,94	39,44	-	F04210H00200690	●		
						1,4		78		10,79	23,90	37,97	-	F04210H00200225	●		
								108		10,79	23,90	37,97	-	F04210H00200727	●		
						1,9		78		8,72	13,40	36,50	-	F04210H00200247	●		
								108		8,72	13,40	36,50	-	F04210H00200764	●		
						40,0		0,4		78	40,74	42,55	46,71	-	F04210H00200182	●	
										108	40,74	42,55	46,71	-	F04210H00200654	●	
					0,9			78		18,03	40,98	44,99	-	F04210H00200204	●		
								108		18,03	40,98	44,99	-	F04210H00200691	●		
					1,4			78		10,79	23,90	43,27	-	F04210H00200226	●		
								108		10,79	23,90	43,27	-	F04210H00200728	●		
					1,9			78		8,72	13,40	41,54	-	F04210H00200248	●		
								108		8,72	13,40	41,54	-	F04210H00200765	●		
					45,0			0,4		20	78	45,45	46,59	49,04	-	F04210H00200183	●
										12	108	45,78	47,82	52,49	-	F04210H00200655	●
						0,9		20		78	18,03	45,58	47,98	-	F04210H00200205	●	
								12		108	18,03	46,03	50,53	-	F04210H00200692	●	
						1,4		15		78	10,79	23,90	47,71	-	F04210H00200227	●	
								108		10,79	23,90	48,56	-	F04210H00200729	●		
						1,9		12		78	8,72	13,40	46,59	-	F04210H00200249	●	
								108		8,72	13,40	46,59	-	F04210H00200766	●		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

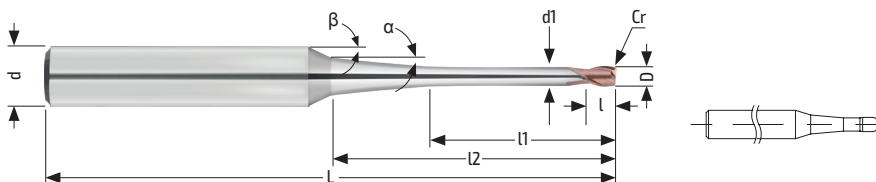
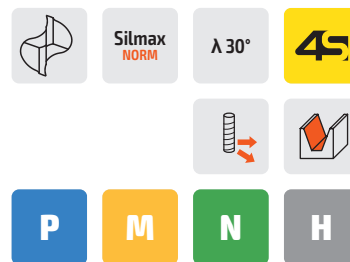


Non ISO  
Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
2,00	0,30	3,00	5,0	1,90	50,0	0,4	12	108	6	50,83	53,09	-	-	F04210H00200656	●				
						0,9				18,03	51,07	56,07	-	F04210H00200693	●				
						1,4				10,79	23,90	53,86	-	F04210H00200730	●				
						1,9				8,72	13,40	51,64	-	F04210H00200767	●				
						0,4				55,0	55,87	58,36	-	-	F04210H00200657	●			
						0,9				18,03	56,12	-	-	F04210H00200694	●				
						1,4				10,79	23,90	-	-	F04210H00200731	●				
						1,9				8,72	13,40	56,69	-	F04210H00200768	●				
						0,4				60,0	60,91	63,62	-	-	F04210H00200658	●			
						0,9				18,03	61,16	-	-	F04210H00200695	●				
						1,4				10,79	23,90	-	-	F04210H00200732	●				
						1,9				8,72	13,40	-	-	F04210H00200769	●				
					0,4	65,0	65,96	68,89	-	-	F04210H00200659	●							
					0,9	18,03	66,21	-	-	F04210H00200696	●								
					1,4	10,79	23,90	-	-	F04210H00200733	●								
					1,9	8,72	13,40	-	-	F04210H00200770	●								
					0,4	10,0	20,0	25,0	1,90	12	108	6	78	20,74	21,66	23,76	26,32	F04210H00200184	●
					108								20,74	21,66	23,76	26,32	F04210H00200660	●	
					78								20,31	21,21	23,26	25,77	F04210H00200206	●	
					108								20,31	21,21	23,26	25,77	F04210H00200697	●	
					78								18,56	20,76	22,77	25,23	F04210H00200228	●	
					108								18,56	20,76	22,77	25,23	F04210H00200734	●	
					78								15,50	20,31	22,28	24,68	F04210H00200250	●	
					108								15,50	20,31	22,28	24,68	F04210H00200771	●	
			78	25,78	26,92								29,54	32,74	F04210H00200185	●			
			108	25,78	26,92								29,54	32,74	F04210H00200661	●			
			78	25,14	26,25								28,81	31,92	F04210H00200207	●			
			108	25,14	26,25								28,81	31,92	F04210H00200698	●			
			78	18,56	25,58	28,07	31,10	F04210H00200229	●										
			108	18,56	25,58	28,07	31,10	F04210H00200735	●										
			78	15,50	23,95	27,33	30,28	F04210H00200251	●										
			108	15,50	23,95	27,33	30,28	F04210H00200772	●										
			78	30,0	25,0	30,0	1,90	108	108	6	78	30,83	32,19	35,33	-	F04210H00200186	●		
			108								30,83	32,19	35,33	-	F04210H00200662	●			
			78								29,28	31,30	34,35	38,06	F04210H00200208	●			
			108								29,28	31,30	34,35	38,06	F04210H00200699	●			
			78								18,56	30,40	33,36	36,97	F04210H00200230	●			
			108								18,56	30,40	33,36	36,97	F04210H00200736	●			
			78								15,50	23,95	32,38	35,88	F04210H00200252	●			
			108								15,50	23,95	32,38	35,88	F04210H00200773	●			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,30	3,00	10,0	1,90	35,0	0,4	12	78	6	35,87	37,46	41,12	-	F04210H00200187	●	
								108		35,87	37,46	41,12	-	F04210H00200663	●	
						0,9		78		29,28	36,34	39,89	-	F04210H00200209	●	
								108		29,28	36,34	39,89	-	F04210H00200700	●	
						1,4		78		18,56	35,22	38,66	-	F04210H00200231	●	
								108		18,56	35,22	38,66	-	F04210H00200737	●	
						1,9		78		15,50	23,95	37,43	-	F04210H00200253	●	
								108		15,50	23,95	37,43	-	F04210H00200774	●	
						40,0		0,4		78	40,91	42,73	46,90	-	F04210H00200188	●
										108	40,91	42,73	46,90	-	F04210H00200664	●
					0,9		78	29,28	41,39	45,43	-	F04210H00200210	●			
							108	29,28	41,39	45,43	-	F04210H00200701	●			
					1,4		78	18,56	40,05	43,95	-	F04210H00200232	●			
							108	18,56	40,05	43,95	-	F04210H00200738	●			
					1,9		78	15,50	23,95	42,48	-	F04210H00200254	●			
							108	15,50	23,95	42,48	-	F04210H00200775	●			
					45,0		0,4	20	78	45,55	46,69	49,15	-	F04210H00200189	●	
								12	108	45,96	48,00	52,69	-	F04210H00200665	●	
						0,9	20	78	29,28	45,80	48,22	-	F04210H00200211	●		
							12	108	29,28	46,43	50,97	-	F04210H00200702	●		
						1,4	15	78	18,56	41,40	48,24	-	F04210H00200233	●		
							108	18,56	41,40	49,25	-	F04210H00200739	●			
						1,9	78	15,50	23,95	47,53	-	F04210H00200255	●			
							108	15,50	23,95	47,53	-	F04210H00200776	●			
						50,0	0,4	78	51,00	53,27	-	-	F04210H00200666	●		
							0,9	78	29,28	51,48	56,51	-	F04210H00200703	●		
					1,4		78	18,56	41,40	54,54	-	F04210H00200740	●			
					1,9		78	15,50	23,95	52,58	-	F04210H00200777	●			
					55,0	0,4	108	56,04	58,53	-	-	F04210H00200667	●			
						0,9	108	29,28	56,52	-	-	F04210H00200704	●			
						1,4	108	18,56	41,40	-	-	F04210H00200741	●			
						1,9	108	15,50	23,95	-	-	F04210H00200778	●			
					60,0	0,4	108	61,08	63,80	-	-	F04210H00200668	●			
						0,9	108	29,28	61,57	-	-	F04210H00200705	●			
						1,4	108	18,56	41,40	-	-	F04210H00200742	●			
						1,9	108	15,50	23,95	-	-	F04210H00200779	●			
					65,0	0,4	12	66,13	69,07	-	-	F04210H00200669	●			
						0,9	12	29,28	66,61	-	-	F04210H00200706	●			
						1,4	12	18,56	41,40	-	-	F04210H00200743	●			
						1,9	12	15,50	23,95	-	-	F04210H00200780	●			
					25,0	0,4	78	25,96	27,10	29,74	32,95	F04210H00200190	●			
							108	25,96	27,10	29,74	32,95	F04210H00200670	●			
						0,9	78	25,53	26,66	29,25	32,41	F04210H00200212	●			
							108	25,53	26,66	29,25	32,41	F04210H00200707	●			
						1,4	78	25,10	26,21	28,76	31,86	F04210H00200234	●			
							108	25,10	26,21	28,76	31,86	F04210H00200744	●			
						1,9	78	22,29	25,76	28,26	31,32	F04210H00200256	●			
							108	22,29	25,76	28,26	31,32	F04210H00200781	●			
						30,0	0,4	78	31,00	32,37	35,53	-	F04210H00200191	●		
								108	31,00	32,37	35,53	-	F04210H00200671	●		
					0,9		78	30,36	31,70	34,79	-	F04210H00200213	●			
							108	30,36	31,70	34,79	-	F04210H00200708	●			
					1,4		78	26,34	31,03	34,05	37,74	F04210H00200235	●			
							108	26,34	31,03	34,05	37,74	F04210H00200745	●			
					1,9		78	22,29	30,36	33,31	36,92	F04210H00200257	●			
							108	22,29	30,36	33,31	36,92	F04210H00200782	●			



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



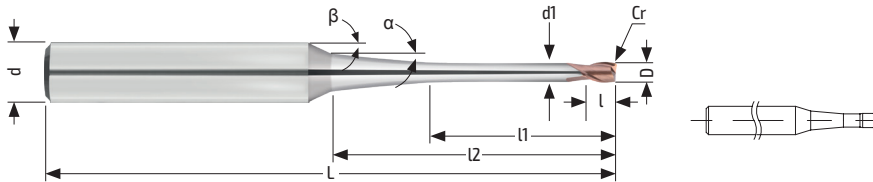
Non ISO Not ISO

**04210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,30	3,00	15,0	1,90	35,0	0,4	12	78	6	36,04	37,64	41,31	-	F04210H00200192	●	
										108	36,04	37,64	41,31	-	F04210H00200672	●
										78	35,18	36,75	40,33	-	F04210H00200214	●
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										78	26,34	35,85	39,35	-	F04210H00200236	●
										108	26,34	35,85	39,35	-	F04210H00200746	●
										78	22,29	34,50	38,36	-	F04210H00200258	●
										108	22,29	34,50	38,36	-	F04210H00200783	●
										78	41,08	42,91	47,10	-	F04210H00200193	●
										108	41,08	42,91	47,10	-	F04210H00200673	●
										78	40,01	41,79	45,87	-	F04210H00200215	●
										108	40,01	41,79	45,87	-	F04210H00200710	●
					78	26,34	40,67	44,64	-	F04210H00200237	●					
					108	26,34	40,67	44,64	-	F04210H00200747	●					
					78	22,29	34,50	43,41	-	F04210H00200259	●					
					108	22,29	34,50	43,41	-	F04210H00200784	●					
					25	78	45,50	46,38	48,24	-	F04210H00200194	●				
					12	108	46,13	48,18	52,88	-	F04210H00200674	●				
					20	78	40,53	46,03	48,46	-	F04210H00200216	●				
					12	108	40,53	46,83	51,41	-	F04210H00200711	●				
					15	78	26,34	45,38	48,76	-	F04210H00200238	●				
					12	108	26,34	45,49	49,94	-	F04210H00200748	●				
					15	78	22,29	34,50	47,64	-	F04210H00200260	●				
					12	108	22,29	34,50	48,46	-	F04210H00200785	●				
					0,4	78	51,17	53,45	-	-	F04210H00200675	●				
					0,9	108	40,53	51,88	56,95	-	F04210H00200712	●				
					1,4	78	26,34	50,31	55,23	-	F04210H00200749	●				
					1,9	108	22,29	34,50	53,51	-	F04210H00200786	●				
					0,4	78	56,21	58,71	-	-	F04210H00200676	●				
					0,9	108	40,53	56,92	-	-	F04210H00200713	●				
					1,4	78	26,34	55,13	-	-	F04210H00200750	●				
					1,9	108	22,29	34,50	-	-	F04210H00200787	●				
					0,4	78	61,26	63,98	-	-	F04210H00200677	●				
					0,9	108	40,53	61,97	-	-	F04210H00200714	●				
					1,4	78	26,34	58,89	-	-	F04210H00200751	●				
					1,9	108	22,29	34,50	-	-	F04210H00200788	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
2,00	0,30	3,00	20,0	1,90	30,0	0,4	12	78	6	31,17	32,55	35,72	-	F04210H00200195	●				
										108	31,17	32,55	35,72	-	F04210H00200679	●			
						78		0,9		30,74	32,10	35,23	-	F04210H00200217	●				
						108				30,74	32,10	35,23	-	F04210H00200716	●				
						78		1,4		30,31	31,66	34,74	-	F04210H00200239	●				
						108				30,31	31,66	34,74	-	F04210H00200753	●				
						78		1,9		29,07	31,21	34,25	37,95	F04210H00200261	●				
						108				29,07	31,21	34,25	37,95	F04210H00200790	●				
						78		35,0		0,4	12	6	36,21	37,82	41,51	-	F04210H00200196	●	
						108							36,21	37,82	41,51	-	F04210H00200680	●	
					78	0,9	35,57			37,15			40,77	-	F04210H00200218	●			
					108		35,57			37,15			40,77	-	F04210H00200717	●			
					78	1,4	34,12			36,48			40,03	-	F04210H00200240	●			
					108		34,12			36,48			40,03	-	F04210H00200754	●			
					78	1,9	29,07			35,81			39,30	-	F04210H00200262	●			
					108		29,07			35,81			39,30	-	F04210H00200791	●			
					78	40,0	0,4			12			6	41,26	43,09	47,29	-	F04210H00200197	●
					108									41,26	43,09	47,29	-	F04210H00200681	●
					78		0,9	40,40			42,19			46,31	-	F04210H00200219	●		
					108			40,40			42,19			46,31	-	F04210H00200718	●		
					78		1,4	34,12	41,30		45,33			-	F04210H00200241	●			
					108			34,12	41,30		45,33			-	F04210H00200755	●			
					78		1,9	29,07	40,40		44,35			-	F04210H00200263	●			
					108			29,07	40,40		44,35			-	F04210H00200792	●			
					78		45,0	0,4	12		6			45,58	46,46	48,32	-	F04210H00200198	●
					108									46,30	48,36	53,08	-	F04210H00200682	●
					78	0,9		45,13		46,26				48,70	-	F04210H00200220	●		
					108			45,23		47,24				51,85	-	F04210H00200719	●		
					78	1,4		34,12		45,63		48,03		-	F04210H00200242	●			
					108			34,12		46,12		50,62		-	F04210H00200756	●			
					78	1,9		29,07		45,00		48,35		-	F04210H00200264	●			
					108			29,07		45,00		49,40		-	F04210H00200793	●			
					78	50,0		0,4		12		6		51,34	53,62	-	-	F04210H00200683	●
					108									50,06	52,28	57,39	-	F04210H00200720	●
					78		0,9	34,12	50,94					55,92	-	F04210H00200757	●		
					108			29,07	45,05					54,44	-	F04210H00200794	●		
					78		1,4	56,38	58,89				-	-	F04210H00200684	●			
					108			51,78	57,33				-	-	F04210H00200721	●			
					78		1,9	34,12	55,76				-	-	F04210H00200758	●			
					108			29,07	45,05				-	-	F04210H00200795	●			
	78	55,0	0,4	12	6		61,43	64,16	-				-	F04210H00200685	●				
	108						51,78	62,37	-				-	F04210H00200722	●				
	78		0,9			34,12	60,58	-	-	F04210H00200759			●						
	108					29,07	45,05	-	-	F04210H00200796			●						
	78		1,4			15,52	16,19	17,73	19,62	F04210H00200265	●								
	108					15,52	16,19	17,73	19,62	F04210H00200797	●								
	78		1,9			15,09	15,74	17,24	19,07	F04210H00200287	●								
	108					15,09	15,74	17,24	19,07	F04210H00200834	●								
	78		60,0			0,4	12	6	10,68	15,30	16,75		18,53	F04210H00200309	●				
	108								10,68	15,30	16,75		18,53	F04210H00200871	●				
	78	0,9		8,65		13,17			16,26	17,98	F04210H00200331		●						
	108			8,65		13,17			16,26	17,98	F04210H00200908		●						
	78	1,4		15,52		16,19			17,73	19,62	F04210H00200265	●							
	108			15,52		16,19			17,73	19,62	F04210H00200797	●							
	78	1,9		15,09		15,74			17,24	19,07	F04210H00200287	●							
	108			15,09		15,74			17,24	19,07	F04210H00200834	●							
	78	15,0		0,4		12			6	10,68	15,30	16,75	18,53	F04210H00200309	●				
	108									10,68	15,30	16,75	18,53	F04210H00200871	●				
	78		0,9	8,65			13,17			16,26	17,98	F04210H00200331	●						
	108			8,65			13,17			16,26	17,98	F04210H00200908	●						
	78		1,4	15,52	16,19		17,73			19,62	F04210H00200265	●							
	108			15,52	16,19		17,73			19,62	F04210H00200797	●							
	78		1,9	15,09	15,74		17,24			19,07	F04210H00200287	●							
	108			15,09	15,74		17,24			19,07	F04210H00200834	●							



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



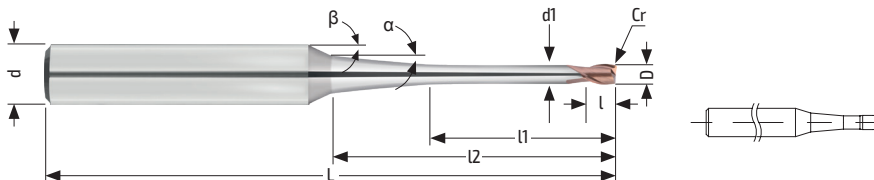
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	0,50	3,00	5,0	1,90	20,0	0,4	12	6	6	78	20,56	21,46	23,52	26,03	F04210H00200266	●
										108	20,56	21,46	23,52	26,03	F04210H00200798	●
										78	17,78	20,79	22,78	25,22	F04210H00200288	●
										108	17,78	20,79	22,78	25,22	F04210H00200835	●
										78	10,68	20,12	22,05	24,40	F04210H00200310	●
										108	10,68	20,12	22,05	24,40	F04210H00200872	●
										78	8,65	13,17	21,31	23,58	F04210H00200332	●
										108	8,65	13,17	21,31	23,58	F04210H00200909	●
										78	25,60	26,73	29,31	32,45	F04210H00200267	●
										108	25,60	26,73	29,31	32,45	F04210H00200799	●
										78	17,78	25,83	28,32	31,36	F04210H00200289	●
										108	17,78	25,83	28,32	31,36	F04210H00200836	●
					78	10,68	23,40	27,34	30,27	F04210H00200311	●					
					108	10,68	23,40	27,34	30,27	F04210H00200873	●					
					78	8,65	13,17	26,36	29,18	F04210H00200333	●					
					108	8,65	13,17	26,36	29,18	F04210H00200910	●					
					78	30,65	32,00	35,09	-	F04210H00200268	●					
					108	30,65	32,00	35,09	-	F04210H00200800	●					
					78	17,78	30,88	33,86	37,51	F04210H00200290	●					
					108	17,78	30,88	33,86	37,51	F04210H00200837	●					
					78	10,68	23,40	32,64	36,15	F04210H00200312	●					
					108	10,68	23,40	32,64	36,15	F04210H00200874	●					
					78	8,65	13,17	31,41	34,78	F04210H00200334	●					
					108	8,65	13,17	31,41	34,78	F04210H00200911	●					
					78	35,69	37,26	40,88	-	F04210H00200269	●					
					108	35,69	37,26	40,88	-	F04210H00200801	●					
					78	17,78	35,92	39,41	-	F04210H00200291	●					
					108	17,78	35,92	39,41	-	F04210H00200838	●					
					78	10,68	23,40	37,93	-	F04210H00200313	●					
					108	10,68	23,40	37,93	-	F04210H00200875	●					
					78	8,65	13,17	36,46	-	F04210H00200335	●					
					108	8,65	13,17	36,46	-	F04210H00200912	●					
					78	40,73	42,53	46,67	-	F04210H00200270	●					
					108	40,73	42,53	46,67	-	F04210H00200802	●					
					78	17,78	40,97	44,95	-	F04210H00200292	●					
					108	17,78	40,97	44,95	-	F04210H00200839	●					
					78	10,68	23,40	43,23	-	F04210H00200314	●					
					108	10,68	23,40	43,23	-	F04210H00200876	●					
					78	8,65	13,17	41,51	-	F04210H00200336	●					
					108	8,65	13,17	41,51	-	F04210H00200913	●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock													
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°															
2,00	0,50	3,00	5,0	1,90	45,0	0,4	12	78	6	45,44	46,57	49,02	-	F04210H00200271	●													
										45,78	47,80	52,45	-	F04210H00200803	●													
						0,9				20	78	17,78	45,57	47,96	-	F04210H00200293	●											
										12	108	17,78	46,01	50,49	-	F04210H00200840	●											
						1,4				15	78	10,68	23,40	47,68	-	F04210H00200315	●											
											108	10,68	23,40	48,52	-	F04210H00200877	●											
						1,9				78	78	8,65	13,17	46,55	-	F04210H00200337	●											
											108	8,65	13,17	46,55	-	F04210H00200914	●											
						50,0				0,4	50,82	53,07	-	-	F04210H00200804	●	17,78	51,06	56,03	-	F04210H00200841	●						
																							0,9	10,68	23,40	53,82	-	F04210H00200878
					1,4																							
																							1,9	55,86	58,34	-	-	F04210H00200805
					55,0	0,4				17,78	56,10	-	-	F04210H00200842	●													
																0,9	10,68	23,40	-	-	F04210H00200879	●						
																							1,4	8,65	13,17	56,65	-	F04210H00200916
																1,9	60,90	63,61	-	-	F04210H00200806	●						
					60,0	0,4				17,78	61,15	-	-	F04210H00200843	●													
																0,9	10,68	23,40	-	-	F04210H00200880	●						
																							1,4	8,65	13,17	-	-	F04210H00200917
																1,9	65,95	68,87	-	-	F04210H00200807	●						
					65,0	0,4				17,78	66,19	-	-	F04210H00200844	●													
																0,9	10,68	23,40	-	-	F04210H00200881	●						
																							1,4	8,65	13,17	-	-	F04210H00200918
																1,9	20,73	21,64	23,72	26,25	F04210H00200272	●						
					0,4	108				20,73	21,64	23,72	26,25	F04210H00200808	●													
																0,9	78	20,30	21,19	23,23	25,71	F04210H00200294	●					
					1,4	108				20,30	21,19	23,23	25,71	F04210H00200845	●													
																1,9	18,45	20,74	22,73	25,16	F04210H00200316	●						
					20,0	0,4				18,45	20,74	22,73	25,16	F04210H00200882	●													
																0,9	15,43	20,30	22,24	24,62	F04210H00200338	●						
						1,4				15,43	20,30	22,24	24,62	F04210H00200919	●													
																1,9	78	25,78	26,91	29,50	32,67	F04210H00200273	●					
					25,0	0,4				78	25,78	26,91	29,50	32,67	F04210H00200809									●				
																0,9	78	25,13	26,24	28,77	31,85	F04210H00200295	●					
						1,4				78	25,13	26,24	28,77	31,85	F04210H00200846									●				
																1,9	18,45	25,56	28,03	31,04	F04210H00200317	●						
					30,0	0,4				18,45	25,56	28,03	31,04	F04210H00200883	●													
																0,9	15,43	23,73	27,29	30,22	F04210H00200339	●						
						1,4				15,43	23,73	27,29	30,22	F04210H00200920	●													
																1,9	30,82	32,17	35,29	-	F04210H00200274	●						
					35,0	0,4				30,82	32,17	35,29	-	F04210H00200810	●													
																0,9	29,03	31,28	34,31	38,00	F04210H00200296	●						
						1,4				29,03	31,28	34,31	38,00	F04210H00200847	●													
																1,9	18,45	30,39	33,32	36,91	F04210H00200318	●						
					35,0	0,4				18,45	30,39	33,32	36,91	F04210H00200884	●													
																0,9	15,43	23,73	32,34	35,82	F04210H00200340	●						
						1,4				15,43	23,73	32,34	35,82	F04210H00200921	●													
																1,9	35,86	37,44	41,08	-	F04210H00200275	●						
					35,0	0,4				35,86	37,44	41,08	-	F04210H00200811	●													
																0,9	29,03	36,32	39,85	-	F04210H00200297	●						
		1,4	29,03	36,32		39,85				-	F04210H00200848	●																
													1,9	18,45	35,21	38,62	-	F04210H00200319	●									
		35,0	0,4	18,45	35,21	38,62				-	F04210H00200885	●																
													0,9	15,43	23,73	37,39	-	F04210H00200341	●									
			1,4	15,43	23,73	37,39				-	F04210H00200922	●																
													1,9	108	15,43	23,73	37,39	-	F04210H00200922	●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



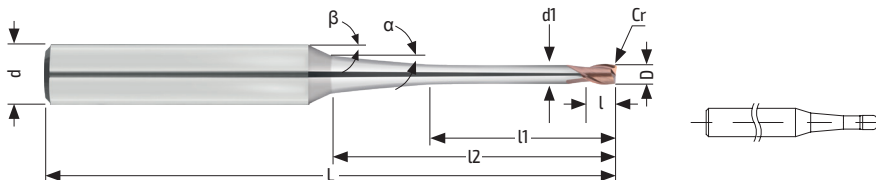
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	0,50	3,00	10,0	1,90	40,0	0,4	12	78	6	40,90	42,71	46,86	-	F04210H00200276	●		
								108		40,90	42,71	46,86	-	F04210H00200812	●		
								78		29,03	41,37	45,39	-	F04210H00200298	●		
								108		29,03	41,37	45,39	-	F04210H00200849	●		
								78		18,45	40,03	43,91	-	F04210H00200320	●		
								108		18,45	40,03	43,91	-	F04210H00200886	●		
						78	15,43	23,73		42,44	-	F04210H00200342	●				
						108	15,43	23,73		42,44	-	F04210H00200923	●				
						45,0	0,4	20		78	45,54	46,68	49,13	-	F04210H00200277	●	
										108	45,95	47,98	52,65	-	F04210H00200813	●	
										78	29,03	45,79	48,20	-	F04210H00200299	●	
										108	29,03	46,41	50,93	-	F04210H00200850	●	
					78					18,45	40,90	48,21	-	F04210H00200321	●		
					108					18,45	40,90	49,21	-	F04210H00200887	●		
					1,4		15	78		15,43	23,73	47,49	-	F04210H00200343	●		
								108		15,43	23,73	47,49	-	F04210H00200924	●		
								78		50,99	53,25	-	-	F04210H00200814	●		
								108		29,03	51,46	56,47	-	F04210H00200851	●		
								78		18,45	40,90	54,50	-	F04210H00200888	●		
								108		15,43	23,73	52,54	-	F04210H00200925	●		
					50,0	0,4	0,9	1,9		108	56,03	58,52	-	-	F04210H00200815	●	
											29,03	56,50	-	-	F04210H00200852	●	
											18,45	40,90	-	-	F04210H00200889	●	
											15,43	23,73	57,59	-	F04210H00200926	●	
											61,08	63,79	-	-	F04210H00200816	●	
											29,03	61,55	-	-	F04210H00200853	●	
						1,4	0,9	1,9		12	18,45	40,90	-	-	F04210H00200890	●	
											15,43	23,73	-	-	F04210H00200927	●	
											66,12	69,05	-	-	F04210H00200817	●	
											29,03	66,59	-	-	F04210H00200854	●	
											18,45	40,90	-	-	F04210H00200891	●	
											15,43	23,73	-	-	F04210H00200928	●	
					55,0	0,4	0,9	1,9		108	78	25,95	27,09	29,70	32,89	F04210H00200278	●
											108	25,95	27,09	29,70	32,89	F04210H00200818	●
											78	25,52	26,64	29,21	32,34	F04210H00200300	●
											108	25,52	26,64	29,21	32,34	F04210H00200855	●
											78	25,09	26,19	28,72	31,80	F04210H00200322	●
											108	25,09	26,19	28,72	31,80	F04210H00200892	●
						1,4	0,9	1,9		12	78	22,22	25,74	28,23	31,25	F04210H00200344	●
											108	22,22	25,74	28,23	31,25	F04210H00200929	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,50	3,00	15,0	1,90	30,0	0,4	12	78	6	30,99	32,35	35,49	-	F04210H00200279	●
								108		30,99	32,35	35,49	-	F04210H00200819	●
						0,9		78	30,35	31,68	34,75	38,49	F04210H00200301	●	
								108	30,35	31,68	34,75	38,49	F04210H00200856	●	
						1,4		78	26,23	31,01	34,01	37,67	F04210H00200323	●	
								108	26,23	31,01	34,01	37,67	F04210H00200893	●	
						1,9		78	22,22	30,34	33,27	36,85	F04210H00200345	●	
								108	22,22	30,34	33,27	36,85	F04210H00200930	●	
						35,0		0,4	78	36,03	37,62	41,27	-	F04210H00200280	●
									108	36,03	37,62	41,27	-	F04210H00200820	●
					0,9			78	35,18	36,73	40,29	-	F04210H00200302	●	
								108	35,18	36,73	40,29	-	F04210H00200857	●	
					1,4			78	26,23	35,83	39,31	-	F04210H00200324	●	
								108	26,23	35,83	39,31	-	F04210H00200894	●	
					1,9			78	22,22	34,28	38,32	-	F04210H00200346	●	
								108	22,22	34,28	38,32	-	F04210H00200931	●	
					40,0			0,4	78	41,08	42,89	47,06	-	F04210H00200281	●
									108	41,08	42,89	47,06	-	F04210H00200821	●
						0,9		78	40,00	41,77	45,83	-	F04210H00200303	●	
								108	40,00	41,77	45,83	-	F04210H00200858	●	
						1,4		78	26,23	40,65	44,60	-	F04210H00200325	●	
								108	26,23	40,65	44,60	-	F04210H00200895	●	
						1,9		78	22,22	34,28	43,37	-	F04210H00200347	●	
								108	22,22	34,28	43,37	-	F04210H00200932	●	
						45,0		0,4	25	45,50	46,37	48,23	-	F04210H00200282	●
									12	46,12	48,16	52,85	-	F04210H00200822	●
					0,9			20	40,28	46,02	48,44	-	F04210H00200304	●	
								12	40,28	46,82	51,37	-	F04210H00200859	●	
					1,4			15	26,23	45,37	48,73	-	F04210H00200326	●	
								12	26,23	45,47	49,90	-	F04210H00200896	●	
					1,9			15	22,22	34,28	47,61	-	F04210H00200348	●	
								12	22,22	34,28	48,42	-	F04210H00200933	●	
					50,0			0,4	78	51,16	53,43	-	-	F04210H00200823	●
									108	40,28	51,86	56,91	-	F04210H00200860	●
						1,4		78	26,23	50,30	55,19	-	F04210H00200897	●	
								108	22,22	34,28	53,47	-	F04210H00200934	●	
						0,9		78	56,20	58,70	-	-	F04210H00200824	●	
					55,0	0,9		78	40,28	56,91	-	-	F04210H00200861	●	
								108	26,23	55,12	-	-	F04210H00200898	●	
						1,4		78	22,22	34,28	-	-	F04210H00200935	●	
					60,0	0,4		78	61,25	63,96	-	-	F04210H00200825	●	
								108	40,28	61,95	-	-	F04210H00200862	●	
						1,4		78	26,23	58,39	-	-	F04210H00200899	●	
								108	22,22	34,28	-	-	F04210H00200936	●	
						0,9		78	31,16	32,53	35,68	-	F04210H00200283	●	
					20,0	0,4		78	31,16	32,53	35,68	-	F04210H00200827	●	
								108	30,73	32,09	35,19	-	F04210H00200305	●	
						0,9		78	30,73	32,09	35,19	-	F04210H00200864	●	
								108	30,30	31,64	34,70	38,43	F04210H00200327	●	
						1,4		78	30,30	31,64	34,70	38,43	F04210H00200901	●	
			108	29,00				31,19	34,21	37,89	F04210H00200349	●			
			0,9	78		29,00		31,19	34,21	37,89	F04210H00200938	●			
			1,9	108		29,00		31,19	34,21	37,89	F04210H00200938	●			



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

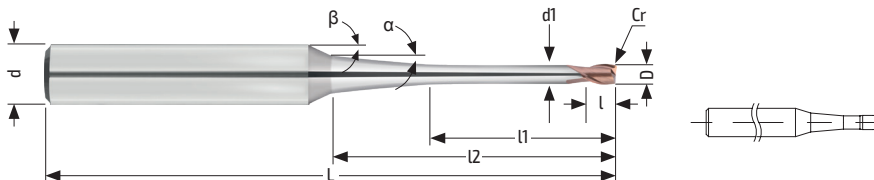


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,00	0,50	3,00	20,0	1,90	35,0	0,4	12	78	6	36,20	37,80	41,47	-	F04210H00200284	●
								108		36,20	37,80	41,47	-	F04210H00200828	●
								78		35,56	37,13	40,73	-	F04210H00200306	●
								108		35,56	37,13	40,73	-	F04210H00200865	●
								78		34,01	36,46	39,99	-	F04210H00200328	●
								108		34,01	36,46	39,99	-	F04210H00200902	●
								78		29,00	35,79	39,26	-	F04210H00200350	●
								108		29,00	35,79	39,26	-	F04210H00200939	●
								78		41,25	43,07	47,26	-	F04210H00200285	●
								108		41,25	43,07	47,26	-	F04210H00200829	●
								78		40,39	42,17	46,27	-	F04210H00200307	●
								108		40,39	42,17	46,27	-	F04210H00200866	●
					78	34,01	41,28	45,29		-	F04210H00200329	●			
					108	34,01	41,28	45,29		-	F04210H00200903	●			
					78	29,00	40,38	44,31		-	F04210H00200351	●			
					108	29,00	40,38	44,31		-	F04210H00200940	●			
					25	45,57	46,45	48,31		-	F04210H00200286	●			
					12	46,29	48,34	53,04		-	F04210H00200830	●			
					20	45,12	46,25	48,68		-	F04210H00200308	●			
					12	45,22	47,22	51,81		-	F04210H00200867	●			
					20	34,01	45,62	48,01		-	F04210H00200330	●			
					12	34,01	46,10	50,59		-	F04210H00200904	●			
					15	29,00	44,83	48,32		-	F04210H00200352	●			
					78	29,00	44,83	49,36		-	F04210H00200941	●			
					0,4	51,33	53,61	-		-	F04210H00200831	●			
					0,9	50,05	52,26	57,35		-	F04210H00200868	●			
					1,4	34,01	50,92	55,88		-	F04210H00200905	●			
					1,9	29,00	44,83	54,41		-	F04210H00200942	●			
					0,4	56,37	58,87	-		-	F04210H00200832	●			
					0,9	51,53	57,31	-		-	F04210H00200869	●			
					1,4	34,01	55,74	-		-	F04210H00200906	●			
					1,9	29,00	44,83	-		-	F04210H00200943	●			
					0,4	61,42	64,14	-		-	F04210H00200833	●			
					0,9	51,53	62,35	-		-	F04210H00200870	●			
					1,4	34,01	60,56	-		-	F04210H00200907	●			
					1,9	29,00	44,83	-		-	F04210H00200944	●			

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,20	3,75	5,0	2,40	15,0	0,4	12	78	6	15,53	16,22	17,79	19,71	F04210H00250001	○		
										108	15,53	16,22	17,79	19,71	F04210H00250353	○	
						0,9		78		15,10	15,77	17,30	19,17	F04210H00250023	○		
								108		15,10	15,77	17,30	19,17	F04210H00250390	○		
						1,4		78		10,84	15,32	16,81	18,62	F04210H00250045	○		
								108		10,84	15,32	16,81	18,62	F04210H00250427	○		
						1,9		78		8,75	13,51	16,32	18,08	F04210H00250067	○		
								108		8,75	13,51	16,32	18,08	F04210H00250464	○		
						20,0		0,4		78	20,57	21,49	23,58	26,13	F04210H00250002	○	
										108	20,57	21,49	23,58	26,13	F04210H00250354	○	
					0,9			78		18,16	20,81	22,84	25,32	F04210H00250024	○		
								108		18,16	20,81	22,84	25,32	F04210H00250391	○		
					1,4			78		10,84	20,14	22,11	24,50	F04210H00250046	○		
								108		10,84	20,14	22,11	24,50	F04210H00250428	○		
					1,9			78		8,75	13,51	21,37	23,68	F04210H00250068	○		
								108		8,75	13,51	21,37	23,68	F04210H00250465	○		
					25,0			0,4		78	25,62	26,75	29,37	32,55	F04210H00250003	○	
										108	25,62	26,75	29,37	32,55	F04210H00250355	○	
						0,9		78		18,16	25,86	28,38	31,46	F04210H00250025	○		
								108		18,16	25,86	28,38	31,46	F04210H00250392	○		
						1,4		78		10,84	24,15	27,40	30,37	F04210H00250047	○		
								108		10,84	24,15	27,40	30,37	F04210H00250429	○		
						1,9		78		8,75	13,51	26,42	29,28	F04210H00250069	○		
								108		8,75	13,51	26,42	29,28	F04210H00250466	○		
						30,0		0,4		78	30,66	32,02	35,15	-	F04210H00250004	○	
										108	30,66	32,02	35,15	-	F04210H00250356	○	
					0,9			78		18,16	30,90	33,92	-	F04210H00250026	○		
								108		18,16	30,90	33,92	-	F04210H00250393	○		
					1,4			78		10,84	24,15	32,70	-	F04210H00250048	○		
								108		10,84	24,15	32,70	-	F04210H00250430	○		
					1,9			78		8,75	13,51	31,47	-	F04210H00250070	○		
								108		8,75	13,51	31,47	-	F04210H00250467	○		
					35,0			0,4		78	35,70	37,29	40,94	-	F04210H00250005	○	
										108	35,70	37,29	40,94	-	F04210H00250357	○	
						0,9		78		18,16	35,95	39,46	-	F04210H00250027	○		
								108		18,16	35,95	39,46	-	F04210H00250394	○		
						1,4		78		10,84	24,15	37,99	-	F04210H00250049	○		
								108		10,84	24,15	37,99	-	F04210H00250431	○		
						1,9		78		8,75	13,51	36,52	-	F04210H00250071	○		
								108		8,75	13,51	36,52	-	F04210H00250468	○		
						40,0		0,4		78	40,75	42,56	46,73	-	F04210H00250006	○	
										108	40,75	42,56	46,73	-	F04210H00250358	○	
					0,9			78		18,16	40,99	45,01	-	F04210H00250028	○		
								108		18,16	40,99	45,01	-	F04210H00250395	○		
					1,4			78		10,84	24,15	43,29	-	F04210H00250050	○		
								108		10,84	24,15	43,29	-	F04210H00250432	○		
					1,9			78		8,75	13,51	41,56	-	F04210H00250072	○		
								108		8,75	13,51	41,56	-	F04210H00250469	○		
					45,0			0,4		20	78	45,45	46,59	49,05	-	F04210H00250007	○
										12	108	45,79	47,83	-	-	F04210H00250359	○
						0,9		15		78	18,16	45,81	49,23	-	F04210H00250029	○	
								108		18,16	46,04	-	-	F04210H00250396	○		
						1,4		78		10,84	24,15	48,58	-	F04210H00250051	○		
								108		10,84	24,15	48,58	-	F04210H00250433	○		
						1,9		78		8,75	13,51	46,61	-	F04210H00250073	○		
								108		8,75	13,51	46,61	-	F04210H00250470	○		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



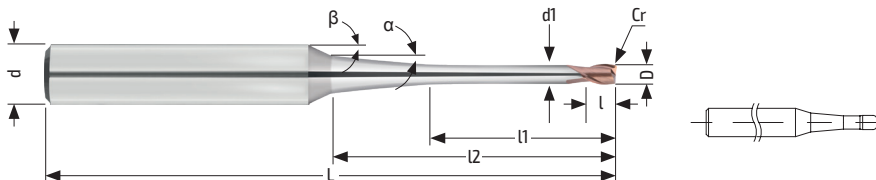
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	0,20	3,75	5,0	2,40	50,0	12	108	6	6	0,4	50,83	53,10	-	-	F04210H00250360	○
										0,9	18,16	51,08	-	-	F04210H00250397	○
										1,4	10,84	24,15	-	-	F04210H00250434	○
										1,9	8,75	13,51	-	-	F04210H00250471	○
										0,4	55,87	58,36	-	-	F04210H00250361	○
										0,9	18,16	56,13	-	-	F04210H00250398	○
										1,4	10,84	24,15	-	-	F04210H00250435	○
										1,9	8,75	13,51	-	-	F04210H00250472	○
										0,4	60,92	63,63	-	-	F04210H00250362	○
										0,9	18,16	61,17	-	-	F04210H00250399	○
										1,4	10,84	24,15	-	-	F04210H00250436	○
										1,9	8,75	13,51	-	-	F04210H00250473	○
					0,4	65,96	68,90	-	-	F04210H00250363	○					
					0,9	18,16	66,22	-	-	F04210H00250400	○					
					1,4	10,84	24,15	-	-	F04210H00250437	○					
					1,9	8,75	13,51	-	-	F04210H00250474	○					
					0,4	78	20,75	21,66	23,78	26,35	F04210H00250008	○				
					0,9	108	20,75	21,66	23,78	26,35	F04210H00250364	○				
					1,4	78	20,32	21,22	23,28	25,81	F04210H00250030	○				
					1,9	108	20,32	21,22	23,28	25,81	F04210H00250401	○				
					0,4	78	18,62	20,77	22,79	25,26	F04210H00250052	○				
					0,9	108	18,62	20,77	22,79	25,26	F04210H00250438	○				
					1,4	78	15,54	20,32	22,30	24,72	F04210H00250074	○				
					1,9	108	15,54	20,32	22,30	24,72	F04210H00250475	○				
					0,4	78	25,79	26,93	29,56	32,77	F04210H00250009	○				
					0,9	108	25,79	26,93	29,56	32,77	F04210H00250365	○				
					1,4	78	25,15	26,26	28,83	31,95	F04210H00250031	○				
					1,9	108	25,15	26,26	28,83	31,95	F04210H00250402	○				
					0,4	78	18,62	25,59	28,09	31,13	F04210H00250053	○				
					0,9	108	18,62	25,59	28,09	31,13	F04210H00250439	○				
					1,4	78	15,54	24,06	27,35	30,32	F04210H00250075	○				
					1,9	108	15,54	24,06	27,35	30,32	F04210H00250476	○				
					0,4	78	30,83	32,20	35,35	-	F04210H00250010	○				
					0,9	108	30,83	32,20	35,35	-	F04210H00250366	○				
					1,4	78	29,40	31,31	34,37	-	F04210H00250032	○				
					1,9	108	29,40	31,31	34,37	-	F04210H00250403	○				
					0,4	78	18,62	30,41	33,38	-	F04210H00250054	○				
					0,9	108	18,62	30,41	33,38	-	F04210H00250440	○				
					1,4	78	15,54	24,06	32,40	-	F04210H00250076	○				
					1,9	108	15,54	24,06	32,40	-	F04210H00250477	○				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	0,20	3,75	10,0	2,40	35,0	0,4	12	78	6	35,87	37,47	41,14	-	F04210H00250011	○
								108		35,87	37,47	41,14	-	F04210H00250367	○
						78		29,40		36,35	39,91	-	F04210H00250033	○	
						108									
						78		18,62		35,23	38,68	-	F04210H00250055	○	
						108									
						78		15,54		24,06	37,45	-	F04210H00250077	○	
						108									
						78		40,92		42,74	46,92	-	F04210H00250012	○	
						108									
					78	29,40	41,40	45,45	-	F04210H00250034	○				
					108										
					78	18,62	40,05	43,97	-	F04210H00250056	○				
					108										
					78	15,54	24,06	42,50	-	F04210H00250078	○				
					108										
					78	15,54	24,06	42,50	-	F04210H00250079	○				
					108										
					40,0	0,4	20	78	108	45,55	46,69	49,16	-	F04210H00250013	○
						0,9	15	78		29,40	46,12	49,56	-	F04210H00250035	○
						1,4	78	18,62		41,65	49,27	-	F04210H00250057	○	
															108
						1,9	78	15,54		24,06	47,55	-	F04210H00250079	○	
															108
						50,0	0,4	53,28		-	-	F04210H00250370	○		
														29,40	51,49
					1,4		18,62	41,65	-	-	F04210H00250444	○			
													15,54	24,06	-
					55,0	0,4	56,05	58,54	-	-	F04210H00250371	○			
													29,40	56,53	-
						1,4	18,62	41,65	-	-	F04210H00250445	○			
													15,54	24,06	-
					60,0	0,4	61,09	63,81	-	-	F04210H00250372	○			
													29,40	61,58	-
						1,4	18,62	41,65	-	-	F04210H00250446	○			
													15,54	24,06	-
					65,0	0,4	66,13	69,08	-	-	F04210H00250373	○			
													29,40	66,62	-
						1,4	18,62	41,65	-	-	F04210H00250447	○			
													15,54	24,06	-
					25,0	0,4	25,96	27,11	29,76	32,99	F04210H00250014	○			
													108	25,96	27,11
						0,9	78	25,53	26,66	29,27	32,44	F04210H00250036	○		
														108	25,53
						1,4	78	25,10	26,22	28,78	31,90	F04210H00250058	○		
														108	25,10
						1,9	78	22,32	25,77	28,28	31,35	F04210H00250080	○		
														108	22,32
			30,0	0,4		78	31,00	32,38	35,55	-	F04210H00250015	○			
													108	31,00	32,38
				0,9	78	30,36	31,71	34,81	-	F04210H00250037	○				
												108	30,36	31,71	34,81
			1,4	78	26,40	31,04	34,07	-	F04210H00250059	○					
											108	26,40	31,04	34,07	-
			1,9	78	22,32	30,37	33,33	-	F04210H00250081	○					
											108	22,32	30,37	33,33	-



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



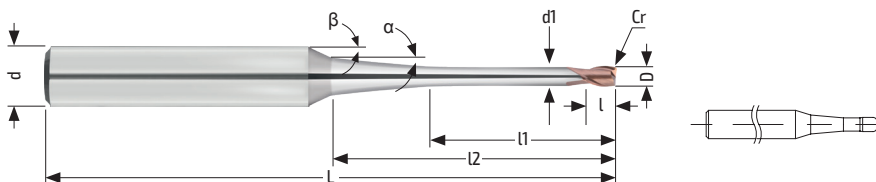
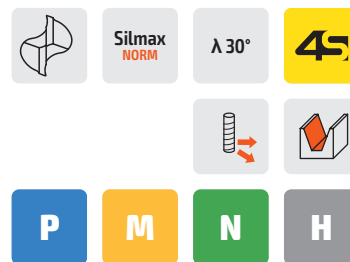
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschiff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,20	3,75	15,0	2,40	35,0	0,4	12	78	6	36,05	37,65	41,33	-	F04210H00250016	○		
										36,05	37,65	41,33	-	F04210H00250376	○		
										0,9	78	35,19	36,75	40,35	-	F04210H00250038	○
											108	35,19	36,75	40,35	-	F04210H00250413	○
										1,4	78	26,40	35,86	39,37	-	F04210H00250060	○
											108	26,40	35,86	39,37	-	F04210H00250450	○
						1,9		78		22,32	34,61	38,38	-	F04210H00250082	○		
								108		22,32	34,61	38,38	-	F04210H00250487	○		
						40,0		0,4		78	41,09	42,92	47,12	-	F04210H00250017	○	
										108	41,09	42,92	47,12	-	F04210H00250377	○	
								0,9		78	40,02	41,80	45,89	-	F04210H00250039	○	
										108	40,02	41,80	45,89	-	F04210H00250414	○	
					1,4		78	26,40		40,68	44,66	-	F04210H00250061	○			
							108	26,40		40,68	44,66	-	F04210H00250451	○			
					1,9	78	22,32	34,61		43,43	-	F04210H00250083	○				
						108	22,32	34,61		43,43	-	F04210H00250488	○				
					45,0	0,4	20	78		45,65	46,79	49,26	-	F04210H00250018	○		
								108		46,13	48,19	-	-	F04210H00250378	○		
							0,9	78		40,65	46,04	48,47	-	F04210H00250040	○		
								108		40,65	46,84	-	-	F04210H00250415	○		
							1,4	78		26,40	45,28	47,67	-	F04210H00250062	○		
								108		26,40	45,50	49,96	-	F04210H00250452	○		
						1,9	78	22,32		34,61	48,48	-	F04210H00250084	○			
							108	22,32		34,61	48,48	-	F04210H00250489	○			
50,0	0,4	12	78	51,17		53,45	-	-	F04210H00250379	○							
			108	40,65		51,89	-	-	F04210H00250416	○							
	0,9	78	26,40	50,32		-	-	F04210H00250453	○								
		108	22,32	34,61		-	-	F04210H00250490	○								
55,0	0,4	12	78	56,22	58,72	-	-	F04210H00250380	○								
			108	40,65	56,93	-	-	F04210H00250417	○								
	0,9	78	26,40	55,14	-	-	F04210H00250454	○									
		108	22,32	34,61	-	-	F04210H00250491	○									
60,0	0,4	12	78	61,26	63,99	-	-	F04210H00250381	○								
			108	40,65	61,98	-	-	F04210H00250418	○								
	0,9	78	26,40	59,14	-	-	F04210H00250455	○									
		108	22,32	34,61	-	-	F04210H00250492	○									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock									
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°											
2,50	0,20	3,75	20,0	2,40	30,0	0,4	12	78	6	31,17	32,56	35,74	-	F04210H00250019	○									
										108	31,17	32,56	35,74	-	F04210H00250383	○								
										78	0,9	30,75	32,11	35,25	-	F04210H00250041	○							
										108		30,75	32,11	35,25	-	F04210H00250420	○							
										78	1,4	30,32	31,66	34,76	-	F04210H00250063	○							
										108		30,32	31,66	34,76	-	F04210H00250457	○							
										78	1,9	29,11	31,22	34,27	-	F04210H00250085	○							
										108		29,11	31,22	34,27	-	F04210H00250494	○							
										78	0,4	35,0	12	78	12	78	6	36,22	37,83	41,53	-	F04210H00250020	○	
										108								36,22	37,83	41,53	-	F04210H00250384	○	
										78								0,9	35,57	37,16	40,79	-	F04210H00250042	○
										108									35,57	37,16	40,79	-	F04210H00250421	○
										78								1,4	34,17	36,49	40,05	-	F04210H00250064	○
										108									34,17	36,49	40,05	-	F04210H00250458	○
										78	1,9	29,11	35,81	39,32	-	F04210H00250086	○							
										108		29,11	35,81	39,32	-	F04210H00250495	○							
										78	0,4	40,0	12	78	12	78	6	41,26	43,10	47,31	-	F04210H00250021	○	
										108								41,26	43,10	47,31	-	F04210H00250385	○	
										78								0,9	40,40	42,20	46,33	-	F04210H00250043	○
										108									40,40	42,20	46,33	-	F04210H00250422	○
					78	1,4	34,17	41,31	45,35	-								F04210H00250065	○					
					108		34,17	41,31	45,35	-								F04210H00250459	○					
					78	1,9	29,11	40,41	44,37	-	F04210H00250087	○												
					108		29,11	40,41	44,37	-	F04210H00250496	○												
					78	0,4	45,0	12	20	78	12	108	6	45,74	46,89	49,37	-	F04210H00250022	○					
					108									46,30	48,36	-	-	F04210H00250386	○					
					78									0,9	45,13	46,26	48,71	-	F04210H00250044	○				
					108										45,23	47,25	-	-	F04210H00250423	○				
					78									1,4	34,17	45,88	49,30	-	F04210H00250066	○				
					108										34,17	46,13	-	-	F04210H00250460	○				
					78	1,9	29,11	45,01	49,41	-	F04210H00250088	○												
					108		29,11	45,01	49,41	-	F04210H00250497	○												
					78	0,4	50,0	12	20	78	12	108	6	51,34	53,63	-	-	F04210H00250387	○					
					108									50,06	52,29	-	-	F04210H00250424	○					
					78									1,4	34,17	50,95	-	-	F04210H00250461	○				
					108										29,11	45,16	-	-	F04210H00250498	○				
					78	0,4	55,0	12	20	78	12	108	6	56,39	58,90	-	-	F04210H00250388	○					
					108									51,90	57,34	-	-	F04210H00250425	○					
					78									1,4	34,17	55,77	-	-	F04210H00250462	○				
					108										29,11	45,16	-	-	F04210H00250499	○				
	78	0,4	60,0	12	20	78	12	108	6	61,43	64,17	-	-	F04210H00250389	○									
	108									51,90	62,38	-	-	F04210H00250426	○									
	78									1,4	34,17	60,59	-	-	F04210H00250463	○								
	108										29,11	45,16	-	-	F04210H00250500	○								
	78	0,4	15,0	12	20	78	12	108	6	15,53	16,21	17,77	19,68	F04210H00250089	●									
	108									15,53	16,21	17,77	19,68	F04210H00250501	●									
	78									0,9	15,10	15,76	17,28	19,14	F04210H00250111	●								
	108										15,10	15,76	17,28	19,14	F04210H00250538	●								
	78									1,4	10,79	15,31	16,79	18,59	F04210H00250133	●								
	108										10,79	15,31	16,79	18,59	F04210H00250575	●								
	78									1,9	8,72	13,40	16,30	18,05	F04210H00250155	●								
	108										8,72	13,40	16,30	18,05	F04210H00250612	●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



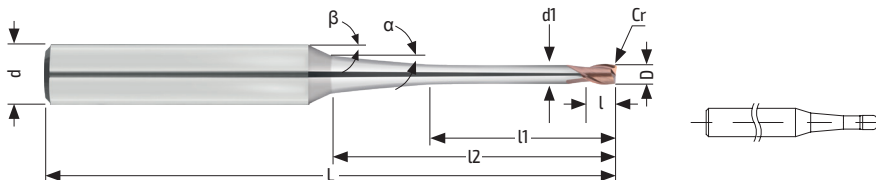
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	0,30	3,75	5,0	2,40	20,0	0,4	12	6	6	78	20,57	21,48	23,56	26,10	F04210H00250090	●
										108	20,57	21,48	23,56	26,10	F04210H00250502	●
										78	18,03	20,81	22,82	25,28	F04210H00250112	●
										108	18,03	20,81	22,82	25,28	F04210H00250539	●
										78	10,79	20,13	22,09	24,46	F04210H00250134	●
										108	10,79	20,13	22,09	24,46	F04210H00250576	●
										78	8,72	13,40	21,35	23,65	F04210H00250156	●
										108	8,72	13,40	21,35	23,65	F04210H00250613	●
										78	25,61	26,75	29,35	32,52	F04210H00250091	●
										108	25,61	26,75	29,35	32,52	F04210H00250503	●
										78	18,03	25,85	28,36	31,43	F04210H00250113	●
										108	18,03	25,85	28,36	31,43	F04210H00250540	●
					78	10,79	23,90	27,38	30,34	F04210H00250135	●					
					108	10,79	23,90	27,38	30,34	F04210H00250577	●					
					78	8,72	13,40	26,40	29,25	F04210H00250157	●					
					108	8,72	13,40	26,40	29,25	F04210H00250614	●					
					78	30,66	32,01	35,13	-	F04210H00250092	●					
					108	30,66	32,01	35,13	-	F04210H00250504	●					
					78	18,03	30,90	33,90	-	F04210H00250114	●					
					108	18,03	30,90	33,90	-	F04210H00250541	●					
					78	10,79	23,90	32,68	-	F04210H00250136	●					
					108	10,79	23,90	32,68	-	F04210H00250578	●					
					78	8,72	13,40	31,45	-	F04210H00250158	●					
					108	8,72	13,40	31,45	-	F04210H00250615	●					
					78	35,70	37,28	40,92	-	F04210H00250093	●					
					108	35,70	37,28	40,92	-	F04210H00250505	●					
					78	18,03	35,94	39,44	-	F04210H00250115	●					
					108	18,03	35,94	39,44	-	F04210H00250542	●					
					78	10,79	23,90	37,97	-	F04210H00250137	●					
					108	10,79	23,90	37,97	-	F04210H00250579	●					
					78	8,72	13,40	36,50	-	F04210H00250159	●					
					108	8,72	13,40	36,50	-	F04210H00250616	●					
					78	40,74	42,55	46,71	-	F04210H00250094	●					
					108	40,74	42,55	46,71	-	F04210H00250506	●					
					78	18,03	40,98	44,99	-	F04210H00250116	●					
					108	18,03	40,98	44,99	-	F04210H00250543	●					
					78	10,79	23,90	43,27	-	F04210H00250138	●					
					108	10,79	23,90	43,27	-	F04210H00250580	●					
					78	8,72	13,40	41,54	-	F04210H00250160	●					
					108	8,72	13,40	41,54	-	F04210H00250617	●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
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 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,50	0,30	3,75	5,0	2,40	45,0	0,4	12	20	78	45,45	46,59	49,04	-	F04210H00250095	●					
								12	108	45,78	47,82	-	-	F04210H00250507	●					
						0,9		15	78	18,03	45,80	49,21	-	F04210H00250117	●					
								108	18,03	46,03	-	-	F04210H00250544	●						
						1,4		78	10,79	23,90	48,56	-	F04210H00250139	●						
								108	10,79	23,90	48,56	-	F04210H00250581	●						
						1,9		78	8,72	13,40	46,59	-	F04210H00250161	●						
								108	8,72	13,40	46,59	-	F04210H00250618	●						
						50,0		0,4	50,83	53,09	-	-	F04210H00250508	●						
								0,9	18,03	51,07	-	-	F04210H00250545	●						
					1,4			10,79	23,90	-	-	F04210H00250582	●							
					1,9			8,72	13,40	-	-	F04210H00250619	●							
					55,0	0,4		55,87	58,36	-	-	F04210H00250509	●							
						0,9		18,03	56,12	-	-	F04210H00250546	●							
						1,4		10,79	23,90	-	-	F04210H00250583	●							
					60,0	1,9		8,72	13,40	-	-	F04210H00250620	●							
						0,4		60,91	63,62	-	-	F04210H00250510	●							
						0,9		18,03	61,16	-	-	F04210H00250547	●							
					65,0	1,4		10,79	23,90	-	-	F04210H00250584	●							
						1,9		8,72	13,40	-	-	F04210H00250621	●							
						0,4		65,96	68,89	-	-	F04210H00250511	●							
					65,0	0,9		18,03	66,21	-	-	F04210H00250548	●							
						1,4		10,79	23,90	-	-	F04210H00250585	●							
						1,9		8,72	13,40	-	-	F04210H00250622	●							
					2,40	3,75		10,0	2,40	20,0	0,4	12	78	20,74	21,66	23,76	26,32	F04210H00250096	●	
													108	20,74	21,66	23,76	26,32	F04210H00250512	●	
											0,9		78	20,31	21,21	23,26	25,77	F04210H00250118	●	
													108	20,31	21,21	23,26	25,77	F04210H00250549	●	
											1,4		78	18,56	20,76	22,77	25,23	F04210H00250140	●	
													108	18,56	20,76	22,77	25,23	F04210H00250586	●	
											1,9		78	15,50	20,31	22,28	24,68	F04210H00250162	●	
													108	15,50	20,31	22,28	24,68	F04210H00250623	●	
											25,0		0,4	78	25,78	26,92	29,54	32,74	F04210H00250097	●
													108	25,78	26,92	29,54	32,74	F04210H00250513	●	
										0,9			78	25,14	26,25	28,81	31,92	F04210H00250119	●	
										108			25,14	26,25	28,81	31,92	F04210H00250550	●		
										25,0	1,4		78	18,56	25,58	28,07	31,10	F04210H00250141	●	
											108		18,56	25,58	28,07	31,10	F04210H00250587	●		
											1,9		78	15,50	23,95	27,33	30,28	F04210H00250163	●	
											108		15,50	23,95	27,33	30,28	F04210H00250624	●		
										30,0	0,4		78	30,83	32,19	35,33	-	F04210H00250098	●	
											108		30,83	32,19	35,33	-	F04210H00250514	●		
											0,9		78	29,28	31,30	34,35	-	F04210H00250120	●	
											108		29,28	31,30	34,35	-	F04210H00250551	●		
										30,0	1,4		78	18,56	30,40	33,36	-	F04210H00250142	●	
											108		18,56	30,40	33,36	-	F04210H00250588	●		
											1,9		78	15,50	23,95	32,38	-	F04210H00250164	●	
											108		15,50	23,95	32,38	-	F04210H00250625	●		
										35,0	0,4		78	35,87	37,46	41,12	-	F04210H00250099	●	
											108		35,87	37,46	41,12	-	F04210H00250515	●		
		0,9	78	29,28							36,34		39,89	-	F04210H00250121	●				
		108	29,28	36,34							39,89		-	F04210H00250552	●					
		35,0	1,4	78						18,56	35,22		38,66	-	F04210H00250143	●				
			108	18,56						35,22	38,66		-	F04210H00250589	●					
			1,9	78						15,50	23,95		37,43	-	F04210H00250165	●				
			108	15,50						23,95	37,43		-	F04210H00250626	●					



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

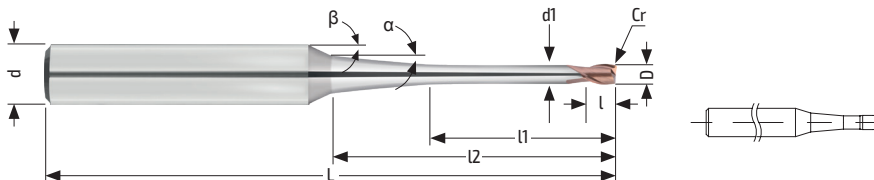


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,30	3,75	10,0	2,40	40,0	0,4	12	78	6	40,91	42,73	46,90	-	F04210H00250100	●		
								108		40,91	42,73	46,90	-	F04210H00250516	●		
								78		29,28	41,39	45,43	-	F04210H00250122	●		
								108		29,28	41,39	45,43	-	F04210H00250553	●		
								78		18,56	40,05	43,95	-	F04210H00250144	●		
								108		18,56	40,05	43,95	-	F04210H00250590	●		
						78	15,50	23,95		42,48	-	F04210H00250166	●				
						108	15,50	23,95		42,48	-	F04210H00250627	●				
						45,0	0,4	20		78	45,55	46,69	49,15	-	F04210H00250101	●	
										12	108	45,96	48,00	-	F04210H00250517	●	
										15	78	29,28	46,11	49,55	-	F04210H00250123	●
											108	29,28	46,43	-	-	F04210H00250554	●
					78						18,56	41,40	49,25	-	F04210H00250145	●	
					108						18,56	41,40	49,25	-	F04210H00250591	●	
					78		15,50	23,95			47,53	-	F04210H00250167	●			
					108		15,50	23,95			47,53	-	F04210H00250628	●			
					50,0		0,4	12		78	51,00	53,27	-	-	F04210H00250518	●	
										108	29,28	51,48	-	-	F04210H00250555	●	
										78	18,56	41,40	-	-	F04210H00250592	●	
										108	18,56	41,40	-	-	F04210H00250592	●	
						78				15,50	23,95	-	-	F04210H00250629	●		
						108				15,50	23,95	-	-	F04210H00250628	●		
						0,9	12	78		56,04	58,53	-	-	F04210H00250519	●		
								108		29,28	56,52	-	-	F04210H00250556	●		
								78		18,56	41,40	-	-	F04210H00250593	●		
								108		18,56	41,40	-	-	F04210H00250593	●		
								78		15,50	23,95	-	-	F04210H00250630	●		
								108		15,50	23,95	-	-	F04210H00250630	●		
					60,0	0,4	12	78		61,08	63,80	-	-	F04210H00250520	●		
								108		29,28	61,57	-	-	F04210H00250557	●		
								78		18,56	41,40	-	-	F04210H00250594	●		
								108		18,56	41,40	-	-	F04210H00250594	●		
								78		15,50	23,95	-	-	F04210H00250631	●		
								108		15,50	23,95	-	-	F04210H00250631	●		
						0,9	12	78		66,13	69,07	-	-	F04210H00250521	●		
								108		29,28	66,61	-	-	F04210H00250558	●		
								78		18,56	41,40	-	-	F04210H00250595	●		
								108		18,56	41,40	-	-	F04210H00250595	●		
								78		15,50	23,95	-	-	F04210H00250632	●		
								108		15,50	23,95	-	-	F04210H00250632	●		
					65,0	0,4	12	78		25,96	27,10	29,74	32,95	F04210H00250102	●		
								108		25,96	27,10	29,74	32,95	F04210H00250522	●		
								78		25,53	26,66	29,25	32,41	F04210H00250124	●		
								108		25,53	26,66	29,25	32,41	F04210H00250559	●		
								78		25,10	26,21	28,76	31,86	F04210H00250146	●		
								108		25,10	26,21	28,76	31,86	F04210H00250596	●		
						0,9	12	78		22,29	25,76	28,26	31,32	F04210H00250168	●		
								108		22,29	25,76	28,26	31,32	F04210H00250168	●		
78	22,29	25,76	28,26	31,32				F04210H00250633	●								
108	22,29	25,76	28,26	31,32				F04210H00250633	●								
78	22,29	25,76	28,26	31,32				F04210H00250633	●								
108	22,29	25,76	28,26	31,32				F04210H00250633	●								

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,30	3,75	15,0	2,40	30,0	0,4	12	78	6	31,00	32,37	35,53	-	F04210H00250103	●		
										108	31,00	32,37	35,53	-	F04210H00250523	●	
						0,9				78	30,36	31,70	34,79	-	F04210H00250125	●	
										108	30,36	31,70	34,79	-	F04210H00250560	●	
						1,4				78	26,34	31,03	34,05	-	F04210H00250147	●	
										108	26,34	31,03	34,05	-	F04210H00250597	●	
						1,9				78	22,29	30,36	33,31	-	F04210H00250169	●	
										108	22,29	30,36	33,31	-	F04210H00250634	●	
						35,0				0,4	78	36,04	37,64	41,31	-	F04210H00250104	●
											108	36,04	37,64	41,31	-	F04210H00250524	●
										0,9	78	35,18	36,75	40,33	-	F04210H00250126	●
											108	35,18	36,75	40,33	-	F04210H00250561	●
					1,4		78	26,34	35,85	39,35	-	F04210H00250148	●				
							108	26,34	35,85	39,35	-	F04210H00250598	●				
					1,9		78	22,29	34,50	38,36	-	F04210H00250170	●				
							108	22,29	34,50	38,36	-	F04210H00250635	●				
					40,0		0,4	78	41,08	42,91	47,10	-	F04210H00250105	●			
								108	41,08	42,91	47,10	-	F04210H00250525	●			
							0,9	78	40,01	41,79	45,87	-	F04210H00250127	●			
								108	40,01	41,79	45,87	-	F04210H00250562	●			
						1,4	78	26,34	40,67	44,64	-	F04210H00250149	●				
							108	26,34	40,67	44,64	-	F04210H00250599	●				
						1,9	78	22,29	34,50	43,41	-	F04210H00250171	●				
							108	22,29	34,50	43,41	-	F04210H00250636	●				
						45,0	0,4	20	78	45,64	46,79	49,25	-	F04210H00250106	●		
								12	108	46,13	48,18	-	-	F04210H00250526	●		
							0,9	20	78	40,53	46,03	48,46	-	F04210H00250128	●		
								12	108	40,53	46,83	-	-	F04210H00250563	●		
					1,4		20	78	26,34	45,28	47,66	-	F04210H00250150	●			
							108	26,34	45,49	49,94	-	F04210H00250600	●				
					1,9		78	22,29	34,50	48,46	-	F04210H00250172	●				
							108	22,29	34,50	48,46	-	F04210H00250637	●				
					50,0		0,4	78	51,17	53,45	-	-	F04210H00250527	●			
								108	40,53	51,88	-	-	F04210H00250564	●			
							0,9	78	26,34	50,31	-	-	F04210H00250601	●			
								108	22,29	34,50	-	-	F04210H00250638	●			
						1,4	78	56,21	58,71	-	-	F04210H00250528	●				
							108	40,53	56,92	-	-	F04210H00250565	●				
						1,9	78	26,34	55,13	-	-	F04210H00250602	●				
							108	22,29	34,50	-	-	F04210H00250639	●				
						60,0	0,4	12	78	61,26	63,98	-	-	F04210H00250529	●		
								108	40,53	61,97	-	-	F04210H00250566	●			
							0,9	78	26,34	58,89	-	-	F04210H00250603	●			
								108	22,29	34,50	-	-	F04210H00250640	●			
					1,4		78	31,17	32,55	35,72	-	F04210H00250107	●				
							108	31,17	32,55	35,72	-	F04210H00250531	●				
					0,9		78	30,74	32,10	35,23	-	F04210H00250129	●				
							108	30,74	32,10	35,23	-	F04210H00250568	●				
					1,4		78	30,31	31,66	34,74	-	F04210H00250151	●				
							108	30,31	31,66	34,74	-	F04210H00250605	●				
					1,9		78	29,07	31,21	34,25	-	F04210H00250173	●				
							108	29,07	31,21	34,25	-	F04210H00250642	●				



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



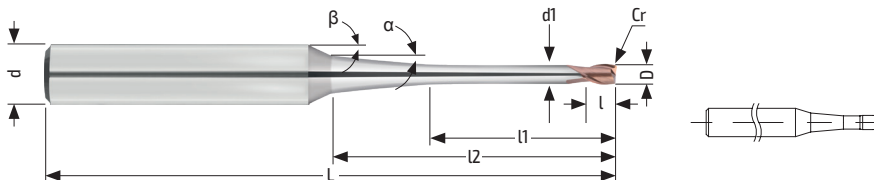
Acciai Temprati  
Hardened Steels



Non ISO  
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# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
2,50	0,30	3,75	20,0	2,40	35,0	0,4	12	78	6	36,21	37,82	41,51	-	F04210H00250108	●										
										108	36,21	37,82	41,51	-	F04210H00250532	●									
										0,9	78	35,57	37,15	40,77	-	F04210H00250130	●								
											108	35,57	37,15	40,77	-	F04210H00250569	●								
										1,4	78	34,12	36,48	40,03	-	F04210H00250152	●								
											108	34,12	36,48	40,03	-	F04210H00250606	●								
						1,9		78		29,07	35,81	39,30	-	F04210H00250174	●										
								108		29,07	35,81	39,30	-	F04210H00250643	●										
						40,0		0,4		12	78	108	41,26	43,09	47,29	-	F04210H00250109	●							
													108	41,26	43,09	47,29	-	F04210H00250533	●						
								0,9			78		40,40	42,19	46,31	-	F04210H00250131	●							
													108	40,40	42,19	46,31	-	F04210H00250570	●						
					1,4		78	34,12			41,30		45,33	-	F04210H00250153	●									
								108			34,12		41,30	45,33	-	F04210H00250607	●								
					1,9	78	29,07	40,40		44,35	-		F04210H00250175	●											
							108	29,07		40,40	44,35		-	F04210H00250644	●										
					45,0	0,30	3,75	20,0		2,40	12		0,4	108	108	6	45,74	46,89	49,36	-	F04210H00250110	●			
																	12	108	46,30	48,36	-	-	F04210H00250534	●	
													0,9				20	45,13	46,26	48,70	-	F04210H00250132	●		
																		12	108	45,23	47,24	-	-	F04210H00250571	●
													1,4				15	34,12	45,87	49,29	-	F04210H00250154	●		
																		108	34,12	46,12	-	-	F04210H00250608	●	
											1,9		78				29,07	45,00	49,40	-	F04210H00250176	●			
																	108	29,07	45,00	49,40	-	F04210H00250645	●		
50,0	0,30	3,75	20,0	2,40					12		0,4		108				108	6	51,34	53,62	-	-	F04210H00250535	●	
																			108	50,06	52,28	-	-	F04210H00250572	●
											0,9								34,12	50,94	50,94	-	-	F04210H00250609	●
																				108	29,07	45,05	-	-	F04210H00250646
					1,4	56,38	58,89	58,89		-	-			F04210H00250536		●									
							108	51,78		57,33	-			-		F04210H00250573			●						
1,9	34,12	55,76	55,76	-	-	F04210H00250610	●																		
		108	29,07	45,05	-	-	F04210H00250647	●																	
55,0	0,30	3,75	20,0	2,40	12	0,4	108	108	6	61,43	64,16	-	-	F04210H00250537		●									
										108	51,78	62,37	-	-		F04210H00250574	●								
						0,9				34,12	60,58	60,58	-	-		F04210H00250611	●								
											108	29,07	45,05	-		-	F04210H00250648	●							
						1,4				61,43	64,16	64,16	-	-		F04210H00250537	●								
											108	51,78	62,37	-		-	F04210H00250574	●							
1,9	34,12	60,58	60,58	-	-	F04210H00250611	●																		
		108	29,07	45,05	-	-	F04210H00250648	●																	

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04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	0,50	3,75	5,0	2,40	15,0	0,4	12	78	6	15,52	16,19	17,73	19,62	F04210H00250177	●		
										108	15,52	16,19	17,73	19,62	F04210H00250649	●	
						0,9		78		15,09	15,74	17,24	19,07	F04210H00250199	●		
								108		15,09	15,74	17,24	19,07	F04210H00250686	●		
						1,4		78		10,68	15,30	16,75	18,53	F04210H00250221	●		
								108		10,68	15,30	16,75	18,53	F04210H00250723	●		
						1,9		78		8,65	13,17	16,26	17,98	F04210H00250243	●		
								108		8,65	13,17	16,26	17,98	F04210H00250760	●		
						20,0		0,4		78	20,56	21,46	23,52	26,03	F04210H00250178	●	
										108	20,56	21,46	23,52	26,03	F04210H00250650	●	
					0,9			78		17,78	20,79	22,78	25,22	F04210H00250200	●		
								108		17,78	20,79	22,78	25,22	F04210H00250687	●		
					1,4			78		10,68	20,12	22,05	24,40	F04210H00250222	●		
								108		10,68	20,12	22,05	24,40	F04210H00250724	●		
					1,9			78		8,65	13,17	21,31	23,58	F04210H00250244	●		
								108		8,65	13,17	21,31	23,58	F04210H00250761	●		
					25,0			0,4		78	25,60	26,73	29,31	32,45	F04210H00250179	●	
										108	25,60	26,73	29,31	32,45	F04210H00250651	●	
						0,9		78		17,78	25,83	28,32	31,36	F04210H00250201	●		
								108		17,78	25,83	28,32	31,36	F04210H00250688	●		
						1,4		78		10,68	23,40	27,34	30,27	F04210H00250223	●		
								108		10,68	23,40	27,34	30,27	F04210H00250725	●		
						1,9		78		8,65	13,17	26,36	29,18	F04210H00250245	●		
								108		8,65	13,17	26,36	29,18	F04210H00250762	●		
						30,0		0,4		78	30,65	32,00	35,09	-	F04210H00250180	●	
										108	30,65	32,00	35,09	-	F04210H00250652	●	
					0,9			78		17,78	30,88	33,86	-	F04210H00250202	●		
								108		17,78	30,88	33,86	-	F04210H00250689	●		
					1,4			78		10,68	23,40	32,64	-	F04210H00250224	●		
								108		10,68	23,40	32,64	-	F04210H00250726	●		
					1,9			78		8,65	13,17	31,41	-	F04210H00250246	●		
								108		8,65	13,17	31,41	-	F04210H00250763	●		
					35,0			0,4		78	35,69	37,26	40,88	-	F04210H00250181	●	
										108	35,69	37,26	40,88	-	F04210H00250653	●	
						0,9		78		17,78	35,92	39,41	-	F04210H00250203	●		
								108		17,78	35,92	39,41	-	F04210H00250690	●		
						1,4		78		10,68	23,40	37,93	-	F04210H00250225	●		
								108		10,68	23,40	37,93	-	F04210H00250727	●		
						1,9		78		8,65	13,17	36,46	-	F04210H00250247	●		
								108		8,65	13,17	36,46	-	F04210H00250764	●		
						40,0		0,4		78	40,73	42,53	46,67	-	F04210H00250182	●	
										108	40,73	42,53	46,67	-	F04210H00250654	●	
					0,9			78		17,78	40,97	44,95	-	F04210H00250204	●		
								108		17,78	40,97	44,95	-	F04210H00250691	●		
					1,4			78		10,68	23,40	43,23	-	F04210H00250226	●		
								108		10,68	23,40	43,23	-	F04210H00250728	●		
					1,9			78		8,65	13,17	41,51	-	F04210H00250248	●		
								108		8,65	13,17	41,51	-	F04210H00250765	●		
					45,0			0,4		20	78	45,44	46,57	49,02	-	F04210H00250183	●
										12	108	45,78	47,80	-	-	F04210H00250655	●
						0,9		15		78	17,78	45,79	49,18	-	F04210H00250205	●	
								108		17,78	46,01	50,49	-	F04210H00250692	●		
						1,4		78		10,68	23,40	48,52	-	F04210H00250227	●		
								108		10,68	23,40	48,52	-	F04210H00250729	●		
						1,9		78		8,65	13,17	46,55	-	F04210H00250249	●		
								108		8,65	13,17	46,55	-	F04210H00250766	●		



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



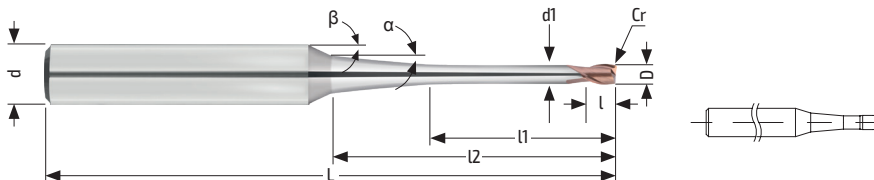
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock											
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°													
2,50	0,50	3,75	5,0	50,0	20,0	12	6	108	6	50,82	53,07	-	-	F04210H00250656	●											
										17,78	51,06	-	-	F04210H00250693	●											
										10,68	23,40	-	-	F04210H00250730	●											
										8,65	13,17	-	-	F04210H00250767	●											
										55,0	20,0	12	6	108	6	55,86	58,34	-	-	F04210H00250657	●					
										17,78						56,10	-	-	F04210H00250694	●						
										10,68						23,40	-	-	F04210H00250731	●						
										8,65						13,17	-	-	F04210H00250768	●						
										60,0						20,0	12	6	108	6	60,90	63,61	-	-	F04210H00250658	●
										17,78											61,15	-	-	F04210H00250695	●	
										10,68											23,40	-	-	F04210H00250732	●	
										8,65											13,17	-	-	F04210H00250769	●	
				65,0	20,0	12	6	108	6	65,95											68,87	-	-	F04210H00250659	●	
				17,78						66,19											-	-	F04210H00250696	●		
				10,68						23,40											-	-	F04210H00250733	●		
				8,65						13,17											-	-	F04210H00250770	●		
				10,0						20,0	12	6	108	6	78						20,73	21,64	23,72	26,25	F04210H00250184	●
				108											20,73						21,64	23,72	26,25	F04210H00250660	●	
				78											20,30						21,19	23,23	25,71	F04210H00250206	●	
				108											20,30						21,19	23,23	25,71	F04210H00250697	●	
				78											18,45	20,74	22,73	25,16	F04210H00250228	●						
				108											18,45	20,74	22,73	25,16	F04210H00250734	●						
				78											15,43	20,30	22,24	24,62	F04210H00250250	●						
				108											15,43	20,30	22,24	24,62	F04210H00250771	●						
			78	25,78	26,91	29,50	32,67	F04210H00250185	●																	
			108	25,78	26,91	29,50	32,67	F04210H00250661	●																	
			78	25,13	26,24	28,77	31,85	F04210H00250207	●																	
			108	25,13	26,24	28,77	31,85	F04210H00250698	●																	
			78	18,45	25,56	28,03	31,04	F04210H00250229	●																	
			108	18,45	25,56	28,03	31,04	F04210H00250735	●																	
			78	15,43	23,73	27,29	30,22	F04210H00250251	●																	
			108	15,43	23,73	27,29	30,22	F04210H00250772	●																	
			78	30,82	32,17	35,29	-	F04210H00250186	●																	
			108	30,82	32,17	35,29	-	F04210H00250662	●																	
			78	29,03	31,28	34,31	-	F04210H00250208	●																	
			108	29,03	31,28	34,31	-	F04210H00250699	●																	
			78	18,45	30,39	33,32	-	F04210H00250230	●																	
			108	18,45	30,39	33,32	-	F04210H00250736	●																	
			78	15,43	23,73	32,34	-	F04210H00250252	●																	
			108	15,43	23,73	32,34	-	F04210H00250773	●																	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	0,50	3,75	10,0	2,40	35,0	0,4	12	78	6	35,86	37,44	41,08	-	F04210H00250187	●	
										108	35,86	37,44	41,08	-	F04210H00250663	●
										78	29,03	36,32	39,85	-	F04210H00250209	●
										108	29,03	36,32	39,85	-	F04210H00250700	●
										78	18,45	35,21	38,62	-	F04210H00250231	●
										108	18,45	35,21	38,62	-	F04210H00250737	●
						78				15,43	23,73	37,39	-	F04210H00250253	●	
						108				15,43	23,73	37,39	-	F04210H00250774	●	
						78				40,90	42,71	46,86	-	F04210H00250188	●	
						108				40,90	42,71	46,86	-	F04210H00250664	●	
						78				29,03	41,37	45,39	-	F04210H00250210	●	
						108				29,03	41,37	45,39	-	F04210H00250701	●	
					78	18,45	40,03	43,91		-	F04210H00250232	●				
					108	18,45	40,03	43,91		-	F04210H00250738	●				
					78	15,43	23,73	42,44		-	F04210H00250254	●				
					108	15,43	23,73	42,44		-	F04210H00250775	●				
					78	20	78	45,54		46,68	49,13	-	F04210H00250189	●		
					108	12	108	45,95		47,98	-	-	F04210H00250665	●		
					78	0,9	78	29,03		46,10	49,52	-	F04210H00250211	●		
					108	15	108	29,03		46,41	-	-	F04210H00250702	●		
					78	0,9	78	18,45		40,90	49,21	-	F04210H00250233	●		
					108	1,4	108	18,45		40,90	49,21	-	F04210H00250739	●		
					78	1,9	78	15,43		23,73	47,49	-	F04210H00250255	●		
					108	1,9	108	15,43		23,73	47,49	-	F04210H00250776	●		
			78	0,4	78	50,99	53,25	-		-	F04210H00250666	●				
			108	0,9	108	29,03	51,46	-		-	F04210H00250703	●				
			78	1,4	78	18,45	40,90	-		-	F04210H00250740	●				
			108	1,9	108	15,43	23,73	-		-	F04210H00250777	●				
			78	0,4	78	56,03	58,52	-		-	F04210H00250667	●				
			108	0,9	108	29,03	56,50	-		-	F04210H00250704	●				
			78	1,4	78	18,45	40,90	-		-	F04210H00250741	●				
			108	1,9	108	15,43	23,73	-		-	F04210H00250778	●				
			78	0,4	78	61,08	63,79	-		-	F04210H00250668	●				
			108	0,9	108	29,03	61,55	-		-	F04210H00250705	●				
			78	1,4	78	18,45	40,90	-		-	F04210H00250742	●				
			108	1,9	108	15,43	23,73	-		-	F04210H00250779	●				
			78	0,4	78	66,12	69,05	-		-	F04210H00250669	●				
			108	0,9	108	29,03	66,59	-		-	F04210H00250706	●				
			78	1,4	78	18,45	40,90	-		-	F04210H00250743	●				
			108	1,9	108	15,43	23,73	-		-	F04210H00250780	●				
			78	0,4	78	25,95	27,09	29,70		32,89	F04210H00250190	●				
			108	0,9	108	25,95	27,09	29,70		32,89	F04210H00250670	●				
			78	0,9	78	25,52	26,64	29,21		32,34	F04210H00250212	●				
			108	1,4	108	25,52	26,64	29,21		32,34	F04210H00250707	●				
			78	1,4	78	25,09	26,19	28,72		31,80	F04210H00250234	●				
			108	1,9	108	25,09	26,19	28,72		31,80	F04210H00250744	●				
			78	1,9	78	22,22	25,74	28,23		31,25	F04210H00250256	●				
			108	1,9	108	22,22	25,74	28,23		31,25	F04210H00250781	●				
78	0,4	78	30,99	32,35	35,49	-	F04210H00250191	●								
108	0,9	108	30,99	32,35	35,49	-	F04210H00250671	●								
78	0,9	78	30,35	31,68	34,75	-	F04210H00250213	●								
108	1,4	108	30,35	31,68	34,75	-	F04210H00250708	●								
78	1,4	78	26,23	31,01	34,01	-	F04210H00250235	●								
108	1,9	108	26,23	31,01	34,01	-	F04210H00250745	●								
78	1,9	78	22,22	30,34	33,27	-	F04210H00250257	●								
108	1,9	108	22,22	30,34	33,27	-	F04210H00250782	●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



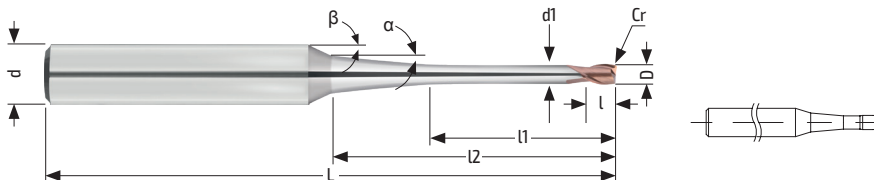
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,50	0,50	3,75	15,0	2,40	35,0	0,4	12	78	6	36,03	37,62	41,27	-	F04210H00250192	●					
										36,03	37,62	41,27	-	F04210H00250672	●					
										108	35,0	0,9	78	35,18	36,73	40,29	-	F04210H00250214	●	
														35,18	36,73	40,29	-	F04210H00250709	●	
										108	35,0		1,4	78	26,23	35,83	39,31	-	F04210H00250236	●
															26,23	35,83	39,31	-	F04210H00250746	●
						108		35,0		1,9	78			22,22	34,28	38,32	-	F04210H00250258	●	
														22,22	34,28	38,32	-	F04210H00250783	●	
						108		35,0			0,4	78		41,08	42,89	47,06	-	F04210H00250193	●	
														41,08	42,89	47,06	-	F04210H00250673	●	
						108		35,0				0,9	78	40,00	41,77	45,83	-	F04210H00250215	●	
														40,00	41,77	45,83	-	F04210H00250710	●	
					108	35,0	1,4	78		26,23			40,65	44,60	-	F04210H00250237	●			
										26,23			40,65	44,60	-	F04210H00250747	●			
					108	35,0		1,9		78	22,22		34,28	43,37	-	F04210H00250259	●			
											22,22		34,28	43,37	-	F04210H00250784	●			
					108	35,0				0,4	20	78	45,64	46,78	49,23	-	F04210H00250194	●		
													46,12	48,16	-	-	F04210H00250674	●		
					108	35,0	0,9				20	78	40,28	46,02	48,44	-	F04210H00250216	●		
													40,28	46,82	-	-	F04210H00250711	●		
					108	35,0		1,4			20	78	26,23	45,27	47,64	-	F04210H00250238	●		
													26,23	45,47	49,90	-	F04210H00250748	●		
					108	35,0				1,9	78	22,22	34,28	48,42	-	F04210H00250260	●			
												22,22	34,28	48,42	-	F04210H00250785	●			
108	35,0	0,4	12	108	51,16	53,43	-		-		F04210H00250675	●								
					40,28	51,86	-		-		F04210H00250712	●								
108	35,0		0,9	12	108	26,23	50,30	-	-		F04210H00250749	●								
						22,22	34,28	-	-		F04210H00250786	●								
108	35,0			1,4	12	108	56,20	58,70	-	-	F04210H00250676	●								
							40,28	56,91	-	-	F04210H00250713	●								
108	35,0	1,9			12	108	26,23	55,12	-	-	F04210H00250750	●								
							22,22	34,28	-	-	F04210H00250787	●								
108	35,0		0,4		12	108	61,25	63,96	-	-	F04210H00250677	●								
							40,28	61,95	-	-	F04210H00250714	●								
108	35,0			0,9	12	108	26,23	58,39	-	-	F04210H00250751	●								
							22,22	34,28	-	-	F04210H00250788	●								

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
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Scansiona il Qr-code per consultare i parametri di lavoro.  
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04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,50	0,50	3,75	20,0				12		6	30,0	0,4	78	31,16	32,53	35,68	-	F04210H00250195	●		
											108	31,16	32,53	35,68	-	F04210H00250679	●			
											0,9	78	30,73	32,09	35,19	-	F04210H00250217	●		
											108	30,73	32,09	35,19	-	F04210H00250716	●			
											1,4	78	30,30	31,64	34,70	-	F04210H00250239	●		
											108	30,30	31,64	34,70	-	F04210H00250753	●			
											1,9	78	29,00	31,19	34,21	-	F04210H00250261	●		
											108	29,00	31,19	34,21	-	F04210H00250790	●			
											0,4	78	36,20	37,80	41,47	-	F04210H00250196	●		
											108	36,20	37,80	41,47	-	F04210H00250680	●			
											0,9	78	35,56	37,13	40,73	-	F04210H00250218	●		
											108	35,56	37,13	40,73	-	F04210H00250717	●			
											1,4	78	34,01	36,46	39,99	-	F04210H00250240	●		
											108	34,01	36,46	39,99	-	F04210H00250754	●			
											1,9	78	29,00	35,79	39,26	-	F04210H00250262	●		
											108	29,00	35,79	39,26	-	F04210H00250791	●			
											0,4	78	41,25	43,07	47,26	-	F04210H00250197	●		
											108	41,25	43,07	47,26	-	F04210H00250681	●			
											0,9	78	40,39	42,17	46,27	-	F04210H00250219	●		
											108	40,39	42,17	46,27	-	F04210H00250718	●			
										1,4	78	34,01	41,28	45,29	-	F04210H00250241	●			
										108	34,01	41,28	45,29	-	F04210H00250755	●				
										1,9	78	29,00	40,38	44,31	-	F04210H00250263	●			
										108	29,00	40,38	44,31	-	F04210H00250792	●				
										0,4	20	78	45,74	46,88	49,34	-	F04210H00250198	●		
										12	108	46,29	48,34	-	-	F04210H00250682	●			
										0,9	20	78	45,12	46,25	48,68	-	F04210H00250220	●		
										12	108	45,22	47,22	-	-	F04210H00250719	●			
										1,4	15	78	34,01	45,86	49,26	-	F04210H00250242	●		
										108	34,01	46,10	50,59	-	-	F04210H00250756	●			
										1,9	78	29,00	44,83	49,36	-	F04210H00250264	●			
										108	29,00	44,83	49,36	-	-	F04210H00250793	●			
										0,4	51,33	53,61	-	-	-	F04210H00250683	●			
										0,9	50,05	52,26	-	-	-	F04210H00250720	●			
										1,4	34,01	50,92	-	-	-	F04210H00250757	●			
										1,9	29,00	44,83	-	-	-	F04210H00250794	●			
										0,4	56,37	58,87	-	-	-	F04210H00250684	●			
										0,9	51,53	57,31	-	-	-	F04210H00250721	●			
										1,4	34,01	55,74	-	-	-	F04210H00250758	●			
										1,9	29,00	44,83	-	-	-	F04210H00250795	●			
	0,4	61,42	64,14	-	-	-	F04210H00250685	●												
	0,9	51,53	62,35	-	-	-	F04210H00250722	●												
	1,4	34,01	60,56	-	-	-	F04210H00250759	●												
	1,9	29,00	44,83	-	-	-	F04210H00250796	●												
	0,4	15,50	16,15	17,64	19,45	F04210H00250265	●													
	108	15,50	16,15	17,64	19,45	F04210H00250797	●													
	0,9	78	15,07	15,70	17,14	18,91	F04210H00250287	●												
	108	15,07	15,70	17,14	18,91	F04210H00250834	●													
	1,4	78	10,40	15,25	16,65	18,36	F04210H00250309	●												
	108	10,40	15,25	16,65	18,36	F04210H00250871	●													
	1,9	78	8,47	12,62	16,16	17,82	F04210H00250331	●												
	108	8,47	12,62	16,16	17,82	F04210H00250908	●													
		1,00	3,75	5,0		15,0														



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

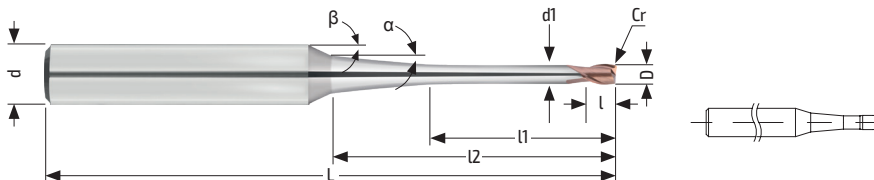


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°						
2,50	1,00	3,75	5,0	2,40	20,0	0,4	12	78	6	20,54	21,41	23,42	25,87	F04210H00250266	●				
										108	20,54	21,41	23,42	25,87	F04210H00250798	●			
										0,9	78	17,16	20,74	22,69	25,05	F04210H00250288	●		
											108	17,16	20,74	22,69	25,05	F04210H00250835	●		
											1,4	78	10,40	20,07	21,95	24,24	F04210H00250310	●	
												108	10,40	20,07	21,95	24,24	F04210H00250872	●	
										1,9	78	8,47	12,62	21,21	23,42	F04210H00250332	●		
											108	8,47	12,62	21,21	23,42	F04210H00250909	●		
											25,0	0,4	78	25,58	26,68	29,21	32,29	F04210H00250267	●
													108	25,58	26,68	29,21	32,29	F04210H00250799	●
										78			17,16	25,79	28,23	31,20	F04210H00250289	●	
										108			17,16	25,79	28,23	31,20	F04210H00250836	●	
					1,4	78	10,40	22,15	27,24	30,11	F04210H00250311	●							
						108	10,40	22,15	27,24	30,11	F04210H00250873	●							
						1,9	78	8,47	12,62	26,26	29,02	F04210H00250333	●						
							108	8,47	12,62	26,26	29,02	F04210H00250910	●						
					30,0		0,4	78	30,63	31,95	34,99	-	F04210H00250268	●					
								108	30,63	31,95	34,99	-	F04210H00250800	●					
						0,9		78	17,16	30,83	33,77	-	F04210H00250290	●					
								108	17,16	30,83	33,77	-	F04210H00250837	●					
					1,4		78	10,40	22,15	32,54	-	F04210H00250312	●						
							108	10,40	22,15	32,54	-	F04210H00250874	●						
						1,9	78	8,47	12,62	31,31	-	F04210H00250334	●						
							108	8,47	12,62	31,31	-	F04210H00250911	●						
					35,0		0,4	78	35,67	37,22	40,78	-	F04210H00250269	●					
								108	35,67	37,22	40,78	-	F04210H00250801	●					
						0,9		78	17,16	35,88	39,31	-	F04210H00250291	●					
								108	17,16	35,88	39,31	-	F04210H00250838	●					
					1,4		78	10,40	22,15	37,83	-	F04210H00250313	●						
							108	10,40	22,15	37,83	-	F04210H00250875	●						
						1,9	78	8,47	12,62	36,36	-	F04210H00250335	●						
							108	8,47	12,62	36,36	-	F04210H00250912	●						
					40,0		0,4	78	40,71	42,49	46,57	-	F04210H00250270	●					
								108	40,71	42,49	46,57	-	F04210H00250802	●					
						0,9		78	17,16	40,92	44,85	-	F04210H00250292	●					
								108	17,16	40,92	44,85	-	F04210H00250839	●					
					1,4		78	10,40	22,15	43,13	-	F04210H00250314	●						
							108	10,40	22,15	43,13	-	F04210H00250876	●						
						1,9	78	8,47	12,62	41,41	-	F04210H00250336	●						
							108	8,47	12,62	41,41	-	F04210H00250913	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,50	1,00	3,75	5,0	2,40	45,0	0,4	12	20	78	45,43	46,55	48,97	-	F04210H00250271	●					
								12	108	45,75	47,76	-	-	F04210H00250803	●					
						0,9		15	78	17,16	45,75	49,11	-	F04210H00250293	●					
								108	17,16	45,97	50,39	-	F04210H00250840	●						
						1,4		78	10,40	22,15	48,42	-	F04210H00250315	●						
								108	10,40	22,15	48,42	-	F04210H00250877	●						
						1,9		78	8,47	12,62	46,46	-	F04210H00250337	●						
								108	8,47	12,62	46,46	-	F04210H00250914	●						
						50,0		0,4	50,80	53,02	-	-	F04210H00250804	●						
								0,9	17,16	51,01	-	-	F04210H00250841	●						
					1,4			10,40	22,15	-	-	F04210H00250878	●							
					1,9			8,47	12,62	-	-	F04210H00250915	●							
					55,0	0,4		55,84	58,29	-	-	F04210H00250805	●							
						0,9		17,16	56,06	-	-	F04210H00250842	●							
						1,4		10,40	22,15	-	-	F04210H00250879	●							
					60,0	1,9		8,47	12,62	-	-	F04210H00250916	●							
						0,4		60,88	63,56	-	-	F04210H00250806	●							
						0,9		17,16	61,10	-	-	F04210H00250843	●							
					65,0	1,4		10,40	22,15	-	-	F04210H00250880	●							
						1,9		8,47	12,62	-	-	F04210H00250917	●							
						0,4		65,93	68,83	-	-	F04210H00250807	●							
					65,0	0,9		17,16	66,15	-	-	F04210H00250844	●							
						1,4		10,40	22,15	-	-	F04210H00250881	●							
						1,9		8,47	12,62	-	-	F04210H00250918	●							
					2,40	3,75		10,0	5,0	20,0	0,4	12	78	20,71	21,59	23,62	26,09	F04210H00250272	●	
													108	20,71	21,59	23,62	26,09	F04210H00250808	●	
											0,9		78	20,28	21,15	23,13	25,54	F04210H00250294	●	
													108	20,28	21,15	23,13	25,54	F04210H00250845	●	
											1,4		78	18,18	20,70	22,64	25,00	F04210H00250316	●	
													108	18,18	20,70	22,64	25,00	F04210H00250882	●	
											1,9		78	15,25	20,25	22,14	24,45	F04210H00250338	●	
													108	15,25	20,25	22,14	24,45	F04210H00250919	●	
											25,0		0,4	78	25,75	26,86	29,41	32,51	F04210H00250273	●
													108	25,75	26,86	29,41	32,51	F04210H00250809	●	
										0,9			78	25,11	26,19	28,67	31,69	F04210H00250295	●	
										108			25,11	26,19	28,67	31,69	F04210H00250846	●		
										25,0	1,4		78	18,18	25,52	27,93	30,87	F04210H00250317	●	
											108		18,18	25,52	27,93	30,87	F04210H00250883	●		
											1,9		78	15,25	23,17	27,19	30,05	F04210H00250339	●	
											108		15,25	23,17	27,19	30,05	F04210H00250920	●		
										30,0	0,4		78	30,80	32,13	35,19	-	F04210H00250274	●	
											108		30,80	32,13	35,19	-	F04210H00250810	●		
											0,9		78	28,40	31,24	34,21	-	F04210H00250296	●	
											108		28,40	31,24	34,21	-	F04210H00250847	●		
										30,0	1,4		78	18,18	30,34	33,23	-	F04210H00250318	●	
											108		18,18	30,34	33,23	-	F04210H00250884	●		
											1,9		78	15,25	23,17	32,24	-	F04210H00250340	●	
											108		15,25	23,17	32,24	-	F04210H00250921	●		
										35,0	0,4		78	35,84	37,40	40,98	-	F04210H00250275	●	
											108		35,84	37,40	40,98	-	F04210H00250811	●		
		0,9	78	28,40							36,28		39,75	-	F04210H00250297	●				
		108	28,40	36,28							39,75		-	F04210H00250848	●					
		35,0	1,4	78						18,18	35,16		38,52	-	F04210H00250319	●				
			108	18,18						35,16	38,52		-	F04210H00250885	●					
			1,9	78						15,25	23,17		37,29	-	F04210H00250341	●				
			108	15,25						23,17	37,29		-	F04210H00250922	●					



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



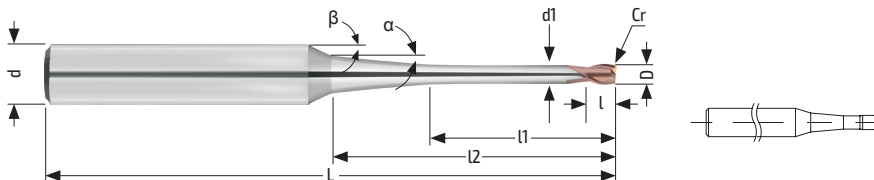
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	1,00	3,75	10,0	2,40	40,0	0,4	12	78	6	40,88	42,67	46,76	-	F04210H00250276	●	
										108	40,88	42,67	46,76	-	F04210H00250812	●
										78	28,40	41,32	45,29	-	F04210H00250298	●
										108	28,40	41,32	45,29	-	F04210H00250849	●
										78	18,18	39,65	43,82	-	F04210H00250320	●
										108	18,18	39,65	43,82	-	F04210H00250886	●
						78				15,25	23,17	42,34	-	F04210H00250342	●	
						108				15,25	23,17	42,34	-	F04210H00250923	●	
						78				45,53	46,65	49,07	-	F04210H00250277	●	
						108				45,93	47,94	-	-	F04210H00250813	●	
						78				28,40	46,07	49,44	-	F04210H00250299	●	
						108				28,40	46,37	50,83	-	F04210H00250850	●	
					78	18,18	39,65	49,11		-	F04210H00250321	●				
					108	18,18	39,65	49,11		-	F04210H00250887	●				
					78	15,25	23,17	47,39		-	F04210H00250343	●				
					108	15,25	23,17	47,39		-	F04210H00250924	●				
					78	50,97	53,20	-		-	F04210H00250814	●				
					108	28,40	51,41	-		-	F04210H00250851	●				
					78	18,18	39,65	-		-	F04210H00250888	●				
					108	15,25	23,17	-		-	F04210H00250925	●				
					78	56,01	58,47	-		-	F04210H00250815	●				
					108	28,40	56,46	-		-	F04210H00250852	●				
					78	18,18	39,65	-		-	F04210H00250889	●				
					108	15,25	23,17	-		-	F04210H00250926	●				
					78	61,05	63,74	-		-	F04210H00250816	●				
					108	28,40	61,50	-		-	F04210H00250853	●				
					78	18,18	39,65	-		-	F04210H00250890	●				
					108	15,25	23,17	-		-	F04210H00250927	●				
					78	66,10	69,01	-		-	F04210H00250817	●				
					108	28,40	66,55	-		-	F04210H00250854	●				
					78	18,18	39,65	-		-	F04210H00250891	●				
					108	15,25	23,17	-		-	F04210H00250928	●				
					78	25,93	27,04	29,60		32,73	F04210H00250278	●				
					108	25,93	27,04	29,60		32,73	F04210H00250818	●				
					78	25,50	26,59	29,11		32,18	F04210H00250300	●				
					108	25,50	26,59	29,11		32,18	F04210H00250855	●				
					78	25,07	26,15	28,62		31,64	F04210H00250322	●				
					108	25,07	26,15	28,62		31,64	F04210H00250892	●				
					78	22,04	25,70	28,13		31,09	F04210H00250344	●				
					108	22,04	25,70	28,13		31,09	F04210H00250929	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	1,00	3,75	15,0	2,40	30,0	0,4	12	78	6	30,97	32,31	35,39	-	F04210H00250279	●	
								108		30,97	32,31	35,39	-	F04210H00250819	●	
						0,9		78	30,33	31,64	34,65	-	F04210H00250301	●		
								108	30,33	31,64	34,65	-	F04210H00250856	●		
						1,4		78	25,95	30,97	33,91	-	F04210H00250323	●		
								108	25,95	30,97	33,91	-	F04210H00250893	●		
						1,9		78	22,04	30,30	33,18	-	F04210H00250345	●		
								108	22,04	30,30	33,18	-	F04210H00250930	●		
						35,0		0,4	78	36,01	37,58	41,17	-	F04210H00250280	●	
									108	36,01	37,58	41,17	-	F04210H00250820	●	
					0,9			78	35,15	36,68	40,19	-	F04210H00250302	●		
								108	35,15	36,68	40,19	-	F04210H00250857	●		
					1,4			78	25,95	35,79	39,21	-	F04210H00250324	●		
								108	25,95	35,79	39,21	-	F04210H00250894	●		
					1,9			78	22,04	33,72	38,23	-	F04210H00250346	●		
								108	22,04	33,72	38,23	-	F04210H00250931	●		
					40,0			0,4	78	41,05	42,85	46,96	-	F04210H00250281	●	
									108	41,05	42,85	46,96	-	F04210H00250821	●	
						0,9		78	39,65	41,73	45,73	-	F04210H00250303	●		
								108	39,65	41,73	45,73	-	F04210H00250858	●		
						1,4		78	25,95	40,61	44,50	-	F04210H00250325	●		
								108	25,95	40,61	44,50	-	F04210H00250895	●		
						1,9		78	22,04	33,72	43,27	-	F04210H00250347	●		
								108	22,04	33,72	43,27	-	F04210H00250932	●		
						45,0		0,4	20	78	45,63	46,75	49,18	-	F04210H00250282	●
									12	108	46,10	48,11	-	-	F04210H00250822	●
					0,9			20	78	39,65	46,00	48,38	-	F04210H00250304	●	
								12	108	39,65	46,77	-	-	F04210H00250859	●	
					1,4			20	78	25,95	45,24	47,59	-	F04210H00250326	●	
								108	25,95	45,43	49,80	-	F04210H00250896	●		
					1,9			78	22,04	33,72	48,32	-	F04210H00250348	●		
								108	22,04	33,72	48,32	-	F04210H00250933	●		
					50,0			0,4	78	51,14	53,38	-	-	F04210H00250823	●	
								0,9	78	39,65	51,82	-	-	F04210H00250860	●	
						1,4		78	25,95	50,25	-	-	F04210H00250897	●		
						1,9		78	22,04	33,72	-	-	F04210H00250934	●		
						108		56,18	58,65	-	-	F04210H00250824	●			
					55,0	0,4		108	39,65	56,86	-	-	F04210H00250861	●		
						1,4		108	25,95	55,07	-	-	F04210H00250898	●		
						1,9		108	22,04	33,72	-	-	F04210H00250935	●		
					60,0	0,4		12	61,23	63,92	-	-	F04210H00250825	●		
						0,9		12	39,65	61,91	-	-	F04210H00250862	●		
						1,4		12	25,95	57,14	-	-	F04210H00250899	●		
						1,9		12	22,04	33,72	-	-	F04210H00250936	●		
					30,0	0,4		78	31,14	32,49	35,58	-	F04210H00250283	●		
								108	31,14	32,49	35,58	-	F04210H00250827	●		
						0,9		78	30,71	32,04	35,09	-	F04210H00250305	●		
								108	30,71	32,04	35,09	-	F04210H00250864	●		
						1,4		78	30,28	31,59	34,60	-	F04210H00250327	●		
								108	30,28	31,59	34,60	-	F04210H00250901	●		
						1,9		78	28,82	31,15	34,11	-	F04210H00250349	●		
								108	28,82	31,15	34,11	-	F04210H00250938	●		



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



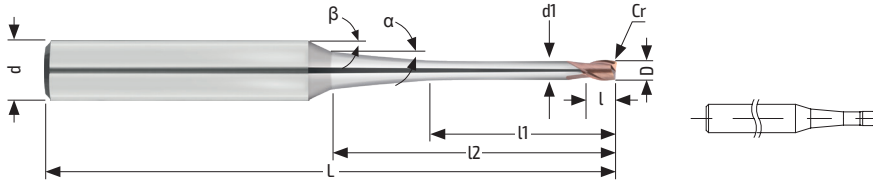
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,50	1,00	3,75	20,0	2,40	35,0	0,4	12	78	6	36,18	37,76	41,37	-	F04210H00250284	●		
										108	36,18	37,76	41,37	-	F04210H00250828	●	
										0,9	78	35,54	37,09	40,63	-	F04210H00250306	●
											108	35,54	37,09	40,63	-	F04210H00250865	●
										1,4	78	33,73	36,41	39,90	-	F04210H00250328	●
											108	33,73	36,41	39,90	-	F04210H00250902	●
						1,9		78		28,82	35,74	39,16	-	F04210H00250350	●		
								108		28,82	35,74	39,16	-	F04210H00250939	●		
						40,0		0,4		78	41,23	43,02	47,16	-	F04210H00250285	●	
										108	41,23	43,02	47,16	-	F04210H00250829	●	
								0,9		78	40,37	42,13	46,17	-	F04210H00250307	●	
										108	40,37	42,13	46,17	-	F04210H00250866	●	
					1,4		78	33,73		41,24	45,19	-	F04210H00250329	●			
							108	33,73		41,24	45,19	-	F04210H00250903	●			
					1,9	78	28,82	40,34		44,21	-	F04210H00250351	●				
						108	28,82	40,34		44,21	-	F04210H00250940	●				
					45,0	0,4	20	78		45,73	46,85	49,29	-	F04210H00250286	●		
								108		46,27	48,29	-	-	F04210H00250830	●		
							0,9	78		45,11	46,22	48,62	-	F04210H00250308	●		
								108		45,20	47,17	-	-	F04210H00250867	●		
							1,4	78		33,73	45,82	49,18	-	F04210H00250330	●		
								108		33,73	46,06	50,49	-	F04210H00250904	●		
						1,9	78	28,82		44,28	49,26	-	F04210H00250352	●			
							108	28,82		44,28	49,26	-	F04210H00250941	●			
50,0	0,4	78	51,31	53,56		-	-	F04210H00250831	●								
		108	50,03	52,22		-	-	F04210H00250868	●								
	0,9	78	33,73	50,88		-	-	F04210H00250905	●								
		108	28,82	44,28		-	-	F04210H00250942	●								
55,0	0,4	12	78	56,35	58,83	-	-	F04210H00250832	●								
			108	50,90	57,26	-	-	F04210H00250869	●								
	0,9	78	33,73	55,70	-	-	F04210H00250906	●									
		108	28,82	44,28	-	-	F04210H00250943	●									
60,0	0,4	12	78	61,40	64,10	-	-	F04210H00250833	●								
			108	50,90	62,31	-	-	F04210H00250870	●								
	0,9	78	33,73	60,52	-	-	F04210H00250907	●									
		108	28,82	44,28	-	-	F04210H00250944	●									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
3,00	0,10	4,50	10,0	2,90	20,0	0,4	12	78	6	20,75	21,67	23,80	26,38	F04210H00300001	○		
										108	20,75	21,67	23,80	26,38	F04210H00300361	○	
						0,9		78		20,32	21,23	23,30	25,84	F04210H00300019	○		
								108		20,32	21,23	23,30	25,84	F04210H00300391	○		
						1,4		78		18,68	20,78	22,81	25,29	F04210H00300037	○		
								108		18,68	20,78	22,81	25,29	F04210H00300421	○		
						1,9		78		15,57	20,33	22,32	24,75	F04210H00300055	○		
								108		15,57	20,33	22,32	24,75	F04210H00300451	○		
						25,0		0,4		12	78	25,79	26,94	29,58	-	F04210H00300002	○
								0,9			78	25,15	26,27	28,84	-	F04210H00300020	○
											108	25,15	26,27	28,84	-	F04210H00300392	○
					1,4		78	18,68			25,60	28,11	-	F04210H00300038	○		
							108	18,68			25,60	28,11	-	F04210H00300422	○		
					1,9		78	15,57			24,17	27,37	-	F04210H00300056	○		
							108	15,57			24,17	27,37	-	F04210H00300452	○		
					30,0		0,4	12			78	30,84	32,21	35,37	-	F04210H00300003	○
							0,9				78	29,53	31,32	34,39	-	F04210H00300021	○
											108	29,53	31,32	34,39	-	F04210H00300393	○
						1,4	78				18,68	30,42	33,40	-	F04210H00300039	○	
							108				18,68	30,42	33,40	-	F04210H00300423	○	
						1,9	78				15,57	24,17	32,42	-	F04210H00300057	○	
							108				15,57	24,17	32,42	-	F04210H00300453	○	
						35,0	0,4		12		78	35,88	37,48	41,15	-	F04210H00300004	○
							0,9				78	29,53	36,36	39,93	-	F04210H00300022	○
											108	29,53	36,36	39,93	-	F04210H00300394	○
					1,4		78				18,68	35,24	38,70	-	F04210H00300040	○	
							108				18,68	35,24	38,70	-	F04210H00300424	○	
					1,9		78				15,57	24,17	37,47	-	F04210H00300058	○	
							108				15,57	24,17	37,47	-	F04210H00300454	○	
					40,0		0,4			12	78	40,92	42,75	-	-	F04210H00300005	○
							0,9				78	29,53	41,41	-	-	F04210H00300023	○
											108	29,53	41,41	-	-	F04210H00300395	○
						1,4	78				18,68	40,06	-	-	F04210H00300041	○	
							108				18,68	40,06	-	-	F04210H00300425	○	
						1,9	78				15,57	24,17	42,52	-	F04210H00300059	○	
							108				15,57	24,17	42,52	-	F04210H00300455	○	
						45,0	0,4	12			78	45,76	47,35	-	-	F04210H00300006	○
							0,9				78	29,53	46,45	-	-	F04210H00300024	○
											108	29,53	46,45	-	-	F04210H00300396	○
					1,4		78				18,68	41,90	-	-	F04210H00300042	○	
							108				18,68	41,90	-	-	F04210H00300426	○	
					1,9		78				15,57	24,17	-	-	F04210H00300060	○	
							108				15,57	24,17	-	-	F04210H00300456	○	
					50,0		0,4		108		51,01	53,28	-	-	F04210H00300367	○	
							0,9				29,53	51,49	-	-	F04210H00300397	○	
							1,4				18,68	41,90	-	-	F04210H00300427	○	
							1,9				15,57	24,17	-	-	F04210H00300457	○	



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



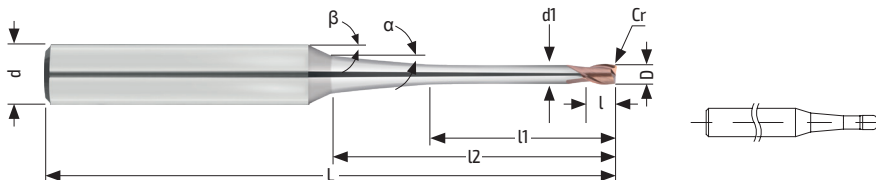
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,10	4,50	10,0	2,90	30,0	12	6	108	6	1,4	18,68	41,90	-	-	F04210H00300428	○
										1,9	15,57	24,17	-	-	F04210H00300458	○
										0,4	56,05	58,55	-	-	F04210H00300368	○
										0,9	29,53	56,54	-	-	F04210H00300398	○
										0,4	61,09	63,82	-	-	F04210H00300369	○
										0,9	29,53	61,58	-	-	F04210H00300399	○
										1,4	18,68	41,90	-	-	F04210H00300429	○
										1,9	15,57	24,17	-	-	F04210H00300459	○
										0,4	25,96	27,12	29,78	-	F04210H00300007	○
										0,9	25,96	27,12	29,78	-	F04210H00300370	○
										1,4	25,54	26,67	29,29	-	F04210H00300025	○
										1,9	25,54	26,67	29,29	-	F04210H00300400	○
			0,4	25,11	26,23	28,80	-	F04210H00300043	○							
			0,9	25,11	26,23	28,80	-	F04210H00300430	○							
			1,4	22,36	25,78	28,30	-	F04210H00300061	○							
			1,9	22,36	25,78	28,30	-	F04210H00300460	○							
			0,4	31,01	32,39	35,56	-	F04210H00300008	○							
			0,9	31,01	32,39	35,56	-	F04210H00300371	○							
			1,4	30,36	31,72	34,83	-	F04210H00300026	○							
			1,9	30,36	31,72	34,83	-	F04210H00300401	○							
			0,4	26,45	31,05	34,09	-	F04210H00300044	○							
			0,9	26,45	31,05	34,09	-	F04210H00300431	○							
			1,4	22,36	30,38	33,35	-	F04210H00300062	○							
			1,9	22,36	30,38	33,35	-	F04210H00300461	○							
			0,4	36,05	37,66	41,35	-	F04210H00300009	○							
			0,9	36,05	37,66	41,35	-	F04210H00300372	○							
			1,4	35,19	36,76	40,37	-	F04210H00300027	○							
			1,9	35,19	36,76	40,37	-	F04210H00300402	○							
			0,4	26,45	35,87	39,39	-	F04210H00300045	○							
			0,9	26,45	35,87	39,39	-	F04210H00300432	○							
			1,4	22,36	34,72	38,40	-	F04210H00300063	○							
			1,9	22,36	34,72	38,40	-	F04210H00300462	○							
			0,4	41,09	42,93	-	-	F04210H00300010	○							
			0,9	41,09	42,93	-	-	F04210H00300373	○							
			1,4	40,02	41,81	-	-	F04210H00300028	○							
			1,9	40,02	41,81	-	-	F04210H00300403	○							
			0,4	26,45	40,69	-	-	F04210H00300046	○							
			0,9	26,45	40,69	-	-	F04210H00300433	○							
			1,4	22,36	34,72	-	-	F04210H00300064	○							
			1,9	22,36	34,72	-	-	F04210H00300463	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
3,00	0,10	4,50	15,0	2,90	45,0	0,4	12	20	78	45,65	46,80	-	-	F04210H00300011	○			
								12	108	46,14	48,19	-	-	F04210H00300374	○			
						0,9		15	78	40,78	46,44	-	-	F04210H00300029	○			
									108	40,78	46,85	-	-	F04210H00300404	○			
						1,4			78	78	26,45	45,51	-	-	F04210H00300047	○		
										108	26,45	45,51	-	-	F04210H00300434	○		
						1,9				78	78	22,36	34,72	-	-	F04210H00300065	○	
											108	22,36	34,72	-	-	F04210H00300464	○	
						50,0					108	0,4	51,18	53,46	-	-	F04210H00300375	○
													40,78	51,90	-	-	F04210H00300405	○
					0,9		26,45					50,33	-	-	F04210H00300435	○		
							22,36					34,72	-	-	F04210H00300465	○		
					1,4	108	56,22	58,73				-	-	F04210H00300376	○			
							40,78	56,94				-	-	F04210H00300406	○			
					1,4		26,45	55,15	-			-	F04210H00300436	○				
							22,36	34,72	-			-	F04210H00300466	○				
					60,0		108	0,4	61,26	64,00		-	-	F04210H00300377	○			
									40,78	61,99		-	-	F04210H00300407	○			
								1,4	26,45	59,39	-	-	F04210H00300437	○				
					22,36				34,72	-	-	F04210H00300467	○					
					30,0			12	0,4	78	31,18	32,57	35,76	-	F04210H00300012	○		
										108	31,18	32,57	35,76	-	F04210H00300378	○		
						0,9			78	30,75	32,12	35,27	-	F04210H00300030	○			
									108	30,75	32,12	35,27	-	F04210H00300408	○			
					1,4	78			78	30,32	31,67	34,78	-	F04210H00300048	○			
									108	30,32	31,67	34,78	-	F04210H00300438	○			
					1,9		78		29,14	31,23	34,29	-	F04210H00300066	○				
									108	29,14	31,23	34,29	-	F04210H00300468	○			
					35,0				78	0,4	36,22	37,84	41,55	-	F04210H00300013	○		
											108	36,22	37,84	41,55	-	F04210H00300379	○	
								0,9		78	35,58	37,17	40,81	-	F04210H00300031	○		
										108	35,58	37,17	40,81	-	F04210H00300409	○		
					1,4			78		78	34,23	36,49	40,07	-	F04210H00300049	○		
										108	34,23	36,49	40,07	-	F04210H00300439	○		
					1,9	78				29,14	35,82	39,34	-	F04210H00300067	○			
										108	29,14	35,82	39,34	-	F04210H00300469	○		
					40,0		78			0,4	41,26	43,11	-	-	F04210H00300014	○		
											108	41,26	43,11	-	-	F04210H00300380	○	
									0,9	78	40,41	42,21	-	-	F04210H00300032	○		
										108	40,41	42,21	-	-	F04210H00300410	○		
					1,4				78	78	34,23	41,32	-	-	F04210H00300050	○		
										108	34,23	41,32	-	-	F04210H00300440	○		
					1,9			78		29,14	40,42	-	-	F04210H00300068	○			
										108	29,14	40,42	-	-	F04210H00300470	○		
					45,0	12				0,4	20	78	45,75	46,90	-	-	F04210H00300015	○
											12	108	46,31	48,37	-	-	F04210H00300381	○
							0,9			78	78	45,18	46,76	-	-	F04210H00300033	○	
											108	45,24	47,26	-	-	F04210H00300411	○	
							1,4				78	78	34,23	46,14	-	-	F04210H00300051	○
												108	34,23	46,14	-	-	F04210H00300441	○
		1,9	78	29,14			45,02		-			-	F04210H00300069	○				
				108			29,14		45,02			-	-	F04210H00300471	○			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

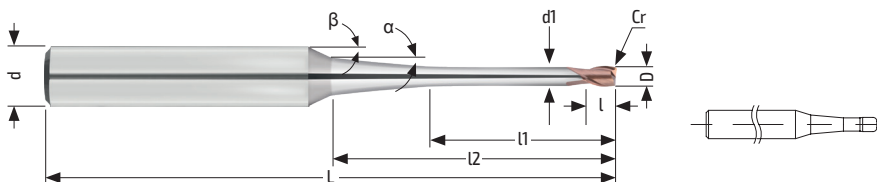
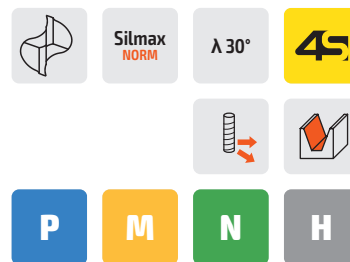


Non ISO  
Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,10	4,50	20,0	50,0	2,90	12	108	6	6	0,4	51,35	53,64	-	-	F04210H00300382	○
										0,9	50,06	52,30	-	-	F04210H00300412	○
										1,4	34,23	50,96	-	-	F04210H00300442	○
										1,9	29,14	45,27	-	-	F04210H00300472	○
										0,4	56,39	58,91	-	-	F04210H00300383	○
										0,9	52,03	57,34	-	-	F04210H00300413	○
										1,4	34,23	55,78	-	-	F04210H00300443	○
										1,9	29,14	45,27	-	-	F04210H00300473	○
										0,4	61,43	64,18	-	-	F04210H00300384	○
										0,9	52,03	62,39	-	-	F04210H00300414	○
										1,4	34,23	60,60	-	-	F04210H00300444	○
										1,9	29,14	45,27	-	-	F04210H00300474	○
				0,4	36,39	38,02	41,74	-	F04210H00300016	○						
				0,9	36,39	38,02	41,74	-	F04210H00300385	○						
				1,4	35,96	37,57	41,25	-	F04210H00300034	○						
				1,9	35,96	37,57	41,25	-	F04210H00300415	○						
				0,4	35,54	37,12	40,76	-	F04210H00300052	○						
				0,9	35,54	37,12	40,76	-	F04210H00300445	○						
				1,4	35,11	36,67	40,27	-	F04210H00300070	○						
				1,9	35,11	36,67	40,27	-	F04210H00300475	○						
				0,4	41,43	43,28	-	-	F04210H00300017	○						
				0,9	41,43	43,28	-	-	F04210H00300386	○						
				1,4	40,79	42,61	-	-	F04210H00300035	○						
				1,9	40,79	42,61	-	-	F04210H00300416	○						
			0,4	40,15	41,94	-	-	F04210H00300053	○							
			0,9	40,15	41,94	-	-	F04210H00300446	○							
			1,4	35,93	41,27	-	-	F04210H00300071	○							
			1,9	35,93	41,27	-	-	F04210H00300476	○							
			0,4	45,85	47,00	-	-	F04210H00300018	○							
			0,9	46,48	48,55	-	-	F04210H00300387	○							
			1,4	45,49	47,07	-	-	F04210H00300036	○							
			1,9	45,62	47,66	-	-	F04210H00300417	○							
			0,4	42,01	45,99	-	-	F04210H00300054	○							
			0,9	42,01	46,76	-	-	F04210H00300447	○							
			1,4	35,93	45,87	-	-	F04210H00300072	○							
			1,9	35,93	45,87	-	-	F04210H00300477	○							
			0,4	51,52	53,82	-	-	F04210H00300388	○							
			0,9	50,45	52,70	-	-	F04210H00300418	○							
			1,4	42,01	51,58	-	-	F04210H00300448	○							
			1,9	35,93	50,46	-	-	F04210H00300478	○							

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
3,00	0,10	4,50	25,0					108		55,0	0,4	56,56	59,09	-	-	F04210H00300389	○
											0,9	55,28	57,75	-	-	F04210H00300419	○
											1,4	42,01	56,41	-	-	F04210H00300449	○
											1,9	35,93	55,06	-	-	F04210H00300479	○
										0,4	61,61	64,36	-	-	F04210H00300390	○	
										0,9	60,11	62,79	-	-	F04210H00300420	○	
										1,4	42,01	61,23	-	-	F04210H00300450	○	
										1,9	35,93	55,83	-	-	F04210H00300480	○	
										0,4	20,75	21,66	23,78	26,35	F04210H00300073	○	
										0,9	20,75	21,66	23,78	26,35	F04210H00300481	○	
										1,4	20,32	21,22	23,28	25,81	F04210H00300091	○	
										1,9	20,32	21,22	23,28	25,81	F04210H00300511	○	
										0,4	18,62	20,77	22,79	25,26	F04210H00300109	○	
										0,9	18,62	20,77	22,79	25,26	F04210H00300541	○	
										1,4	15,54	20,32	22,30	24,72	F04210H00300127	○	
										1,9	15,54	20,32	22,30	24,72	F04210H00300571	○	
										0,4	25,79	26,93	29,56	-	F04210H00300074	○	
										0,9	25,79	26,93	29,56	-	F04210H00300482	○	
										1,4	25,15	26,26	28,83	-	F04210H00300092	○	
										1,9	25,15	26,26	28,83	-	F04210H00300512	○	
	0,4	18,62	25,59	28,09	-	F04210H00300110	○										
	0,9	18,62	25,59	28,09	-	F04210H00300542	○										
	1,4	15,54	24,06	27,35	-	F04210H00300128	○										
	1,9	15,54	24,06	27,35	-	F04210H00300572	○										
	0,4	30,83	32,20	35,35	-	F04210H00300075	○										
	0,9	30,83	32,20	35,35	-	F04210H00300483	○										
	1,4	29,40	31,31	34,37	-	F04210H00300093	○										
	1,9	29,40	31,31	34,37	-	F04210H00300513	○										
	0,4	18,62	30,41	33,38	-	F04210H00300111	○										
	0,9	18,62	30,41	33,38	-	F04210H00300543	○										
	1,4	15,54	24,06	32,40	-	F04210H00300129	○										
	1,9	15,54	24,06	32,40	-	F04210H00300573	○										
	0,4	35,87	37,47	41,14	-	F04210H00300076	○										
	0,9	35,87	37,47	41,14	-	F04210H00300484	○										
	1,4	29,40	36,35	39,91	-	F04210H00300094	○										
	1,9	29,40	36,35	39,91	-	F04210H00300514	○										
	0,4	18,62	35,23	38,68	-	F04210H00300112	○										
	0,9	18,62	35,23	38,68	-	F04210H00300544	○										
	1,4	15,54	24,06	37,45	-	F04210H00300130	○										
	1,9	15,54	24,06	37,45	-	F04210H00300574	○										
	0,4	40,92	42,74	-	-	F04210H00300077	○										
	0,9	40,92	42,74	-	-	F04210H00300485	○										
	1,4	29,40	41,40	-	-	F04210H00300095	○										
	1,9	29,40	41,40	-	-	F04210H00300515	○										
	0,4	18,62	40,05	-	-	F04210H00300113	○										
	0,9	18,62	40,05	-	-	F04210H00300545	○										
	1,4	15,54	24,06	42,50	-	F04210H00300131	○										
	1,9	15,54	24,06	42,50	-	F04210H00300575	○										
	0,4	45,75	47,34	-	-	F04210H00300078	○										
	0,9	45,96	48,01	-	-	F04210H00300486	○										
	1,4	29,40	46,44	-	-	F04210H00300096	○										
	1,9	29,40	46,44	-	-	F04210H00300516	○										
	0,4	18,62	41,65	-	-	F04210H00300114	○										
	0,9	18,62	41,65	-	-	F04210H00300546	○										
	1,4	15,54	24,06	-	-	F04210H00300132	○										
	1,9	15,54	24,06	-	-	F04210H00300576	○										



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



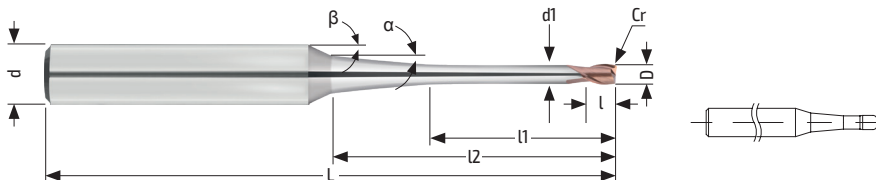
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,20	4,50	10,0	50,0	2,90	12	6	108	6	0,4	51,00	53,28	-	-	F04210H00300487	○
										0,9	29,40	51,49	-	-	F04210H00300517	○
										1,4	18,62	41,65	-	-	F04210H00300547	○
										1,9	15,54	24,06	-	-	F04210H00300577	○
										0,4	56,05	58,54	-	-	F04210H00300488	○
										0,9	29,40	56,53	-	-	F04210H00300518	○
										1,4	18,62	41,65	-	-	F04210H00300548	○
										1,9	15,54	24,06	-	-	F04210H00300578	○
										0,4	61,09	63,81	-	-	F04210H00300489	○
										0,9	29,40	61,58	-	-	F04210H00300519	○
										1,4	18,62	41,65	-	-	F04210H00300549	○
										1,9	15,54	24,06	-	-	F04210H00300579	○
				0,4	25,96	27,11	29,76	-	F04210H00300079	○						
				0,9	25,96	27,11	29,76	-	F04210H00300490	○						
				1,4	25,53	26,66	29,27	-	F04210H00300097	○						
				1,9	25,53	26,66	29,27	-	F04210H00300520	○						
				0,4	25,10	26,22	28,78	-	F04210H00300115	○						
				0,9	25,10	26,22	28,78	-	F04210H00300550	○						
				1,4	22,32	25,77	28,28	-	F04210H00300133	○						
				1,9	22,32	25,77	28,28	-	F04210H00300580	○						
				0,4	31,00	32,38	35,55	-	F04210H00300080	○						
				0,9	31,00	32,38	35,55	-	F04210H00300491	○						
				1,4	30,36	31,71	34,81	-	F04210H00300098	○						
				1,9	30,36	31,71	34,81	-	F04210H00300521	○						
			0,4	26,40	31,04	34,07	-	F04210H00300116	○							
			0,9	26,40	31,04	34,07	-	F04210H00300551	○							
			1,4	22,32	30,37	33,33	-	F04210H00300134	○							
			1,9	22,32	30,37	33,33	-	F04210H00300581	○							
			0,4	36,05	37,65	41,33	-	F04210H00300081	○							
			0,9	36,05	37,65	41,33	-	F04210H00300492	○							
			1,4	35,19	36,75	40,35	-	F04210H00300099	○							
			1,9	35,19	36,75	40,35	-	F04210H00300522	○							
			0,4	26,40	35,86	39,37	-	F04210H00300117	○							
			0,9	26,40	35,86	39,37	-	F04210H00300552	○							
			1,4	22,32	34,61	38,38	-	F04210H00300135	○							
			1,9	22,32	34,61	38,38	-	F04210H00300582	○							
			0,4	41,09	42,92	-	-	F04210H00300082	○							
			0,9	41,09	42,92	-	-	F04210H00300493	○							
			1,4	40,02	41,80	-	-	F04210H00300100	○							
			1,9	40,02	41,80	-	-	F04210H00300523	○							

- Disponibilità pronta consegna / Available for prompt delivery
- ⦿ Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
3,00	0,20	4,50	15,0	2,90	40,0	1,4	12	78	6	26,40	40,68	-	-	F04210H00300118	○			
								108		26,40	40,68	-	-	F04210H00300553	○			
						1,9		78		22,32	34,61	-	-	F04210H00300136	○			
								108		22,32	34,61	-	-	F04210H00300583	○			
						0,4		20		78	45,65	46,79	-	-	F04210H00300083	○		
								12		108	46,13	48,19	-	-	F04210H00300494	○		
								15		78	40,65	46,43	-	-	F04210H00300101	○		
										108	40,65	46,84	-	-	F04210H00300524	○		
						1,4		108		26,40	45,50	-	-	F04210H00300119	○			
										26,40	45,50	-	-	F04210H00300554	○			
					78		22,32			34,61	-	-	F04210H00300137	○				
					1,9	108	22,32	34,61		-	-	F04210H00300584	○					
							0,4	51,17		53,45	-	-	F04210H00300495	○				
					0,9	108	40,65	51,89		-	-	F04210H00300525	○					
							1,4	26,40		50,32	-	-	F04210H00300555	○				
							1,9	22,32		34,61	-	-	F04210H00300585	○				
					0,4	108	56,22	58,72		-	-	F04210H00300496	○					
							0,9	40,65		56,93	-	-	F04210H00300526	○				
							1,4	26,40		55,14	-	-	F04210H00300556	○				
					1,9	108	22,32	34,61		-	-	F04210H00300586	○					
							0,4	61,26		63,99	-	-	F04210H00300497	○				
					0,9	108	40,65	61,98		-	-	F04210H00300527	○					
							1,4	26,40		59,14	-	-	F04210H00300557	○				
							1,9	22,32		34,61	-	-	F04210H00300587	○				
					30,0	12	20,0	30,0		2,90	0,4	78	31,17	32,56	35,74	-	F04210H00300084	○
												108	31,17	32,56	35,74	-	F04210H00300498	○
											0,9	78	30,75	32,11	35,25	-	F04210H00300102	○
												108	30,75	32,11	35,25	-	F04210H00300528	○
											1,4	78	30,32	31,66	34,76	-	F04210H00300120	○
												108	30,32	31,66	34,76	-	F04210H00300558	○
											1,9	78	29,11	31,22	34,27	-	F04210H00300138	○
												108	29,11	31,22	34,27	-	F04210H00300588	○
											0,4	78	36,22	37,83	41,53	-	F04210H00300085	○
												108	36,22	37,83	41,53	-	F04210H00300499	○
					0,9	108	78	35,57		37,16	40,79	-	F04210H00300103	○				
							108	35,57		37,16	40,79	-	F04210H00300529	○				
							78	34,17		36,49	40,05	-	F04210H00300121	○				
					1,4	108	34,17	36,49		40,05	-	F04210H00300559	○					
							78	29,11		35,81	39,32	-	F04210H00300139	○				
					1,9	108	29,11	35,81		39,32	-	F04210H00300589	○					
							78	41,26		43,10	-	-	F04210H00300086	○				
					40,0	12	20,0	40,0		2,90	0,4	108	41,26	43,10	-	-	F04210H00300500	○
												78	40,40	42,20	-	-	F04210H00300104	○
											0,9	108	40,40	42,20	-	-	F04210H00300530	○
												78	34,17	41,31	-	-	F04210H00300122	○
											1,4	108	34,17	41,31	-	-	F04210H00300560	○
												78	29,11	40,41	-	-	F04210H00300140	○
					1,9	108	29,11	40,41		-	-	F04210H00300590	○					
							0,4	20		78	45,74	46,89	-	-	F04210H00300087	○		
					45,0	12	20,0	45,0		2,90	12	108	46,30	48,36	-	-	F04210H00300501	○
			78									45,18	46,75	-	-	F04210H00300105	○	
			15								108	45,23	47,25	-	-	F04210H00300531	○	
											78	34,17	46,13	-	-	F04210H00300123	○	
			1,4								108	34,17	46,13	-	-	F04210H00300561	○	
												78	29,11	45,01	-	-	F04210H00300141	○
			1,9								108	29,11	45,01	-	-	F04210H00300591	○	



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



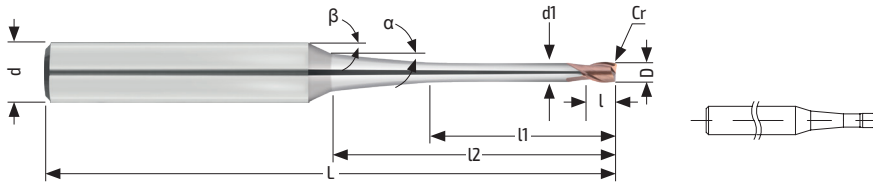
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	0,20	4,50	20,0	50,0	2,90	12	108	6	6	0,4	51,34	53,63	-	-	F04210H00300502	○
										0,9	50,06	52,29	-	-	F04210H00300532	○
										1,4	34,17	50,95	-	-	F04210H00300562	○
										1,9	29,11	45,16	-	-	F04210H00300592	○
										0,4	56,39	58,90	-	-	F04210H00300503	○
										0,9	51,90	57,34	-	-	F04210H00300533	○
										1,4	34,17	55,77	-	-	F04210H00300563	○
										1,9	29,11	45,16	-	-	F04210H00300593	○
										0,4	61,43	64,17	-	-	F04210H00300504	○
										0,9	51,90	62,38	-	-	F04210H00300534	○
										1,4	34,17	60,59	-	-	F04210H00300564	○
										1,9	29,11	45,16	-	-	F04210H00300594	○
				0,4	36,39	38,01	41,72	-	F04210H00300088	○						
				0,9	36,39	38,01	41,72	-	F04210H00300505	○						
				1,4	35,96	37,56	41,23	-	F04210H00300106	○						
				1,9	35,96	37,56	41,23	-	F04210H00300535	○						
				0,4	35,53	37,11	40,74	-	F04210H00300124	○						
				0,9	35,53	37,11	40,74	-	F04210H00300565	○						
				1,4	35,10	36,66	40,25	-	F04210H00300142	○						
				1,9	35,10	36,66	40,25	-	F04210H00300595	○						
				0,4	41,43	43,28	-	-	F04210H00300089	○						
				0,9	41,43	43,28	-	-	F04210H00300506	○						
				1,4	40,79	42,60	-	-	F04210H00300107	○						
				1,9	40,79	42,60	-	-	F04210H00300536	○						
			0,4	40,15	41,93	-	-	F04210H00300125	○							
			0,9	40,15	41,93	-	-	F04210H00300566	○							
			1,4	35,89	41,26	-	-	F04210H00300143	○							
			1,9	35,89	41,26	-	-	F04210H00300596	○							
			0,4	45,84	46,99	-	-	F04210H00300090	○							
			0,9	46,47	48,54	-	-	F04210H00300507	○							
			1,4	45,48	47,06	-	-	F04210H00300108	○							
			1,9	45,62	47,65	-	-	F04210H00300537	○							
			0,4	41,95	45,99	-	-	F04210H00300126	○							
			0,9	41,95	46,75	-	-	F04210H00300567	○							
			1,4	35,89	45,86	-	-	F04210H00300144	○							
			1,9	35,89	45,86	-	-	F04210H00300597	○							
			0,4	51,52	53,81	-	-	F04210H00300508	○							
			0,9	50,45	52,69	-	-	F04210H00300538	○							
			1,4	41,95	51,58	-	-	F04210H00300568	○							
			1,9	35,89	50,46	-	-	F04210H00300598	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
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04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
3,00	0,20	4,50	25,0					108		12	56,56	59,08	-	-	F04210H00300509	○	
											55,27	57,74	-	-	F04210H00300539	○	
											41,95	56,40	-	-	F04210H00300569	○	
											35,89	55,05	-	-	F04210H00300599	○	
											61,60	64,35	-	-	F04210H00300510	○	
											60,10	62,78	-	-	F04210H00300540	○	
											41,95	61,22	-	-	F04210H00300570	○	
											35,89	55,72	-	-	F04210H00300600	○	
											20,74	21,66	23,76	26,32	F04210H00300145	●	
											20,74	21,66	23,76	26,32	F04210H00300601	●	
										20,31	21,21	23,26	25,77	F04210H00300163	●		
										20,31	21,21	23,26	25,77	F04210H00300631	●		
										18,56	20,76	22,77	25,23	F04210H00300181	●		
										18,56	20,76	22,77	25,23	F04210H00300661	●		
										15,50	20,31	22,28	24,68	F04210H00300199	●		
										15,50	20,31	22,28	24,68	F04210H00300691	●		
										25,78	26,92	29,54	-	F04210H00300146	●		
										25,78	26,92	29,54	-	F04210H00300602	●		
										25,14	26,25	28,81	-	F04210H00300164	●		
										25,14	26,25	28,81	-	F04210H00300632	●		
	18,56	25,58	28,07	-	F04210H00300182	●											
	18,56	25,58	28,07	-	F04210H00300662	●											
	15,50	23,95	27,33	-	F04210H00300200	●											
	15,50	23,95	27,33	-	F04210H00300692	●											
	30,83	32,19	35,33	-	F04210H00300147	●											
	30,83	32,19	35,33	-	F04210H00300603	●											
	29,28	31,30	34,35	-	F04210H00300165	●											
	29,28	31,30	34,35	-	F04210H00300633	●											
	18,56	30,40	33,36	-	F04210H00300183	●											
	18,56	30,40	33,36	-	F04210H00300663	●											
	15,50	23,95	32,38	-	F04210H00300201	●											
	15,50	23,95	32,38	-	F04210H00300693	●											
	35,87	37,46	41,12	-	F04210H00300148	●											
	35,87	37,46	41,12	-	F04210H00300604	●											
	29,28	36,34	39,89	-	F04210H00300166	●											
	29,28	36,34	39,89	-	F04210H00300634	●											
	18,56	35,22	38,66	-	F04210H00300184	●											
	18,56	35,22	38,66	-	F04210H00300664	●											
	15,50	23,95	37,43	-	F04210H00300202	●											
	15,50	23,95	37,43	-	F04210H00300694	●											
	40,91	42,73	-	-	F04210H00300149	●											
	40,91	42,73	-	-	F04210H00300605	●											
	29,28	41,39	-	-	F04210H00300167	●											
	29,28	41,39	-	-	F04210H00300635	●											
	18,56	40,05	-	-	F04210H00300185	●											
	18,56	40,05	-	-	F04210H00300665	●											
	15,50	23,95	42,48	-	F04210H00300203	●											
	15,50	23,95	42,48	-	F04210H00300695	●											
	45,75	47,33	-	-	F04210H00300150	●											
	45,96	48,00	-	-	F04210H00300606	●											
	29,28	46,43	-	-	F04210H00300168	●											
	29,28	46,43	-	-	F04210H00300636	●											
	18,56	41,40	-	-	F04210H00300186	●											
	18,56	41,40	-	-	F04210H00300666	●											
	15,50	23,95	-	-	F04210H00300204	●											
	15,50	23,95	-	-	F04210H00300696	●											
	0,30	4,50	10,0						12	6	15	78	81,00	-	-	F04210H00300151	●
												108	111,00	-	-	F04210H00300607	●
												78	81,00	-	-	F04210H00300152	●
												108	111,00	-	-	F04210H00300608	●
												78	81,00	-	-	F04210H00300153	●
												108	111,00	-	-	F04210H00300609	●
												78	81,00	-	-	F04210H00300154	●
												108	111,00	-	-	F04210H00300610	●
												78	81,00	-	-	F04210H00300155	●
												108	111,00	-	-	F04210H00300611	●
											12	78	81,00	-	-	F04210H00300156	●
												108	111,00	-	-	F04210H00300612	●
												78	81,00	-	-	F04210H00300157	●
												108	111,00	-	-	F04210H00300613	●
												78	81,00	-	-	F04210H00300158	●
												108	111,00	-	-	F04210H00300614	●
												78	81,00	-	-	F04210H00300159	●
												108	111,00	-	-	F04210H00300615	●
												78	81,00	-	-	F04210H00300160	●
												108	111,00	-	-	F04210H00300616	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



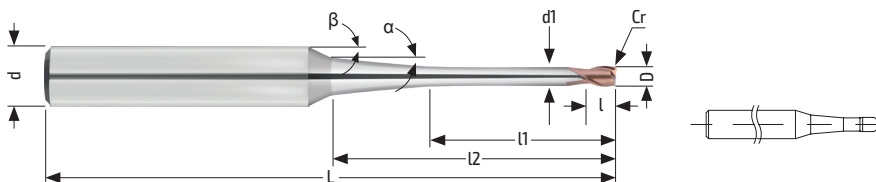
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,30	4,50	2,90	10,0	50,0	0,4	12	6	6	51,00	53,27	-	-	F04210H00300607	●
						0,9				29,28	51,48	-	-	F04210H00300637	●
						1,4				18,56	41,40	-	-	F04210H00300667	●
						1,9				15,50	23,95	-	-	F04210H00300697	●
					55,0	0,4				56,04	58,53	-	-	F04210H00300608	●
						0,9				29,28	56,52	-	-	F04210H00300638	●
						1,4				18,56	41,40	-	-	F04210H00300668	●
						1,9				15,50	23,95	-	-	F04210H00300698	●
					60,0	0,4				61,08	63,80	-	-	F04210H00300609	●
						0,9				29,28	61,57	-	-	F04210H00300639	●
						1,4				18,56	41,40	-	-	F04210H00300669	●
						1,9				15,50	23,95	-	-	F04210H00300699	●
				15,0	25,0	0,4	78			25,96	27,10	29,74	-	F04210H00300151	●
						0,9	108			25,96	27,10	29,74	-	F04210H00300610	●
						1,4	108			25,53	26,66	29,25	-	F04210H00300169	●
						1,9	108			25,53	26,66	29,25	-	F04210H00300640	●
					30,0	0,4	78			25,10	26,21	28,76	-	F04210H00300187	●
						0,9	108			25,10	26,21	28,76	-	F04210H00300670	●
						1,4	108			22,29	25,76	28,26	-	F04210H00300205	●
						1,9	108			22,29	25,76	28,26	-	F04210H00300700	●
					35,0	0,4	78			31,00	32,37	35,53	-	F04210H00300152	●
						0,9	108			31,00	32,37	35,53	-	F04210H00300611	●
						1,4	108			30,36	31,70	34,79	-	F04210H00300170	●
						1,9	108			30,36	31,70	34,79	-	F04210H00300641	●
				40,0	0,4	78	26,34			31,03	34,05	-	F04210H00300188	●	
					0,9	108	26,34			31,03	34,05	-	F04210H00300671	●	
					1,4	108	22,29			30,36	33,31	-	F04210H00300206	●	
					1,9	108	22,29			30,36	33,31	-	F04210H00300701	●	
				45,0	0,4	78	36,04			37,64	41,31	-	F04210H00300153	●	
					0,9	108	36,04			37,64	41,31	-	F04210H00300612	●	
					1,4	108	35,18			36,75	40,33	-	F04210H00300171	●	
					1,9	108	35,18			36,75	40,33	-	F04210H00300642	●	
				50,0	0,4	78	26,34			35,85	39,35	-	F04210H00300189	●	
					0,9	108	26,34			35,85	39,35	-	F04210H00300672	●	
					1,4	108	22,29			34,50	38,36	-	F04210H00300207	●	
					1,9	108	22,29			34,50	38,36	-	F04210H00300702	●	
				55,0	0,4	78	41,08			42,91	-	-	F04210H00300154	●	
					0,9	108	41,08			42,91	-	-	F04210H00300613	●	
					1,4	108	40,01			41,79	-	-	F04210H00300172	●	
					1,9	108	40,01			41,79	-	-	F04210H00300643	●	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210





D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,30	4,50	15,0	2,90	40,0	1,4	12	78	6	26,34	40,67	-	-	F04210H00300190	●
								108		26,34	40,67	-	-	F04210H00300673	●
						78		22,29		34,50	-	-	F04210H00300208	●	
						108									
						78		22,29		34,50	-	-	F04210H00300703	●	
						108									
						78		20		78	-	-	F04210H00300155	●	
						108									
						78		12		108	-	-	F04210H00300614	●	
						108									
					78	15	78	-	-	F04210H00300173	●				
					108										
					78	108	40,53	46,83	-	-	F04210H00300644	●			
					108										
					78	26,34	45,49	-	-	F04210H00300191	●				
					108										
					78	26,34	45,49	-	-	F04210H00300674	●				
					108										
					78	22,29	34,50	-	-	F04210H00300209	●				
					108										
					78	22,29	34,50	-	-	F04210H00300704	●				
					108										
					78	0,4	51,17	53,45	-	-	F04210H00300615	●			
					108										
					78	0,9	40,53	51,88	-	-	F04210H00300645	●			
					108										
					78	1,4	26,34	50,31	-	-	F04210H00300675	●			
					108										
					78	1,9	22,29	34,50	-	-	F04210H00300705	●			
					108										
					78	0,4	56,21	58,71	-	-	F04210H00300616	●			
					108										
					78	0,9	40,53	56,92	-	-	F04210H00300646	●			
					108										
					78	1,4	26,34	55,13	-	-	F04210H00300676	●			
					108										
					78	22,29	34,50	-	-	F04210H00300706	●				
					108										
					78	0,4	61,26	63,98	-	-	F04210H00300617	●			
					108										
					78	0,9	40,53	61,97	-	-	F04210H00300647	●			
					108										
					78	1,4	26,34	58,89	-	-	F04210H00300677	●			
					108										
					78	1,9	22,29	34,50	-	-	F04210H00300707	●			
					108										
					78	0,4	31,17	32,55	35,72	-	F04210H00300156	●			
					108										
					78	31,17	32,55	35,72	-	F04210H00300618	●				
					108										
		78	0,4	30,74	32,10	35,23	-	F04210H00300174	●						
		108													
		78	0,9	30,74	32,10	35,23	-	F04210H00300648	●						
		108													
		78	0,4	30,31	31,66	34,74	-	F04210H00300192	●						
		108													
		78	1,4	30,31	31,66	34,74	-	F04210H00300678	●						
		108													
		78	0,4	29,07	31,21	34,25	-	F04210H00300210	●						
		108													
		78	1,9	29,07	31,21	34,25	-	F04210H00300708	●						
		108													
		78	0,4	36,21	37,82	41,51	-	F04210H00300157	●						
		108													
		78	0,9	36,21	37,82	41,51	-	F04210H00300619	●						
		108													
		78	0,4	35,57	37,15	40,77	-	F04210H00300175	●						
		108													
		78	0,9	35,57	37,15	40,77	-	F04210H00300649	●						
		108													
		78	1,4	34,12	36,48	40,03	-	F04210H00300193	●						
		108													
		78	0,4	34,12	36,48	40,03	-	F04210H00300679	●						
		108													
		78	1,9	29,07	35,81	39,30	-	F04210H00300211	●						
		108													
		78	0,4	29,07	35,81	39,30	-	F04210H00300709	●						
		108													
		78	0,9	41,26	43,09	-	-	F04210H00300158	●						
		108													
		78	1,4	41,26	43,09	-	-	F04210H00300620	●						
		108													
		78	0,4	40,40	42,19	-	-	F04210H00300176	●						
		108													
		78	0,9	40,40	42,19	-	-	F04210H00300650	●						
		108													
		78	1,4	34,12	41,30	-	-	F04210H00300194	●						
		108													
		78	0,4	34,12	41,30	-	-	F04210H00300680	●						
		108													
		78	1,9	29,07	40,40	-	-	F04210H00300212	●						
		108													
		78	0,4	29,07	40,40	-	-	F04210H00300710	●						
		108													
		78	0,9	20	78	-	-	F04210H00300159	●						
		108													
		78	12	108	46,30	48,36	-	-	F04210H00300621	●					
		108													
		78	15	78	45,18	46,74	-	-	F04210H00300177	●					
		108													
78	0,4	45,23	47,24	-	-	F04210H00300651	●								
108															
78	1,4	34,12	46,12	-	-	F04210H00300195	●								
108															
78	0,9	34,12	46,12	-	-	F04210H00300681	●								
108															
78	1,9	29,07	45,00	-	-	F04210H00300213	●								
108															
78	0,4	29,07	45,00	-	-	F04210H00300711	●								
108															



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

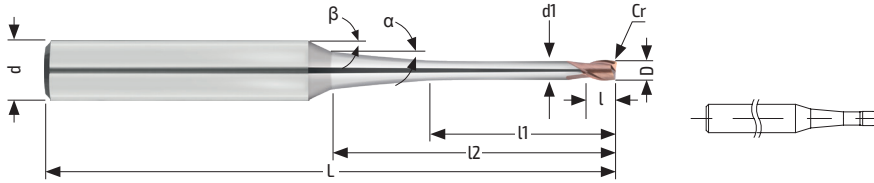


Non ISO Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,30	4,50	20,0	50,0	2,90	12	12	108	6	51,34	53,62	-	-	F04210H00300622	●
										50,06	52,28	-	-	F04210H00300652	●
										34,12	50,94	-	-	F04210H00300682	●
										29,07	45,05	-	-	F04210H00300712	●
				56,38						58,89	-	-	F04210H00300623	●	
				51,78						57,33	-	-	F04210H00300653	●	
				34,12						55,76	-	-	F04210H00300683	●	
				29,07						45,05	-	-	F04210H00300713	●	
				61,43						64,16	-	-	F04210H00300624	●	
				51,78						62,37	-	-	F04210H00300654	●	
				34,12						60,58	-	-	F04210H00300684	●	
				29,07						45,05	-	-	F04210H00300714	●	
			36,38	38,00						41,71	-	F04210H00300160	●		
			36,38	38,00						41,71	-	F04210H00300625	●		
			35,96	37,55						41,21	-	F04210H00300178	●		
			35,96	37,55						41,21	-	F04210H00300655	●		
			35,53	37,10						40,72	-	F04210H00300196	●		
			35,53	37,10						40,72	-	F04210H00300685	●		
			35,10	36,66						40,23	-	F04210H00300214	●		
			35,10	36,66						40,23	-	F04210H00300715	●		
			41,43	43,27						-	-	F04210H00300161	●		
			41,43	43,27						-	-	F04210H00300626	●		
			40,78	42,60						-	-	F04210H00300179	●		
			40,78	42,60						-	-	F04210H00300656	●		
			40,14	41,92						-	-	F04210H00300197	●		
			40,14	41,92						-	-	F04210H00300686	●		
			35,86	41,25						-	-	F04210H00300215	●		
			35,86	41,25						-	-	F04210H00300716	●		
			45,84	46,99						-	-	F04210H00300162	●		
			46,47	48,53						-	-	F04210H00300627	●		
			45,48	47,06						-	-	F04210H00300180	●		
			45,61	47,64						-	-	F04210H00300657	●		
			41,90	45,98						-	-	F04210H00300198	●		
			41,90	46,75						-	-	F04210H00300687	●		
			35,86	45,85						-	-	F04210H00300216	●		
			35,86	45,85						-	-	F04210H00300717	●		
			51,51	53,80						-	-	F04210H00300628	●		
			50,44	52,68						-	-	F04210H00300658	●		
			41,90	51,57						-	-	F04210H00300688	●		
			35,86	50,45						-	-	F04210H00300718	●		

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04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
3,00	0,30	4,50	25,0				12	108	6	55,0	0,4	56,55	59,07	-	-	F04210H00300629	●
											0,9	55,27	57,73	-	-	F04210H00300659	●
											1,4	41,90	56,39	-	-	F04210H00300689	●
											1,9	35,86	55,04	-	-	F04210H00300719	●
											0,4	61,60	64,34	-	-	F04210H00300630	●
											0,9	60,10	62,77	-	-	F04210H00300660	●
											1,4	41,90	61,21	-	-	F04210H00300690	●
											1,9	35,86	55,61	-	-	F04210H00300720	●
											0,4	20,73	21,64	23,72	26,25	F04210H00300217	●
											0,9	20,73	21,64	23,72	26,25	F04210H00300721	●
											1,4	20,30	21,19	23,23	25,71	F04210H00300235	●
											1,9	20,30	21,19	23,23	25,71	F04210H00300751	●
											0,4	18,45	20,74	22,73	25,16	F04210H00300253	●
											0,9	18,45	20,74	22,73	25,16	F04210H00300781	●
											1,4	15,43	20,30	22,24	24,62	F04210H00300271	●
											1,9	15,43	20,30	22,24	24,62	F04210H00300811	●
											0,4	25,78	26,91	29,50	-	F04210H00300218	●
											0,9	25,78	26,91	29,50	-	F04210H00300722	●
											1,4	25,13	26,24	28,77	-	F04210H00300236	●
											1,9	25,13	26,24	28,77	-	F04210H00300752	●
	0,4	18,45	25,56	28,03	-	F04210H00300254	●										
	0,9	18,45	25,56	28,03	-	F04210H00300782	●										
	1,4	15,43	23,73	27,29	-	F04210H00300272	●										
	1,9	15,43	23,73	27,29	-	F04210H00300812	●										
	0,4	30,82	32,17	35,29	-	F04210H00300219	●										
	0,9	30,82	32,17	35,29	-	F04210H00300723	●										
	1,4	29,03	31,28	34,31	-	F04210H00300237	●										
	1,9	29,03	31,28	34,31	-	F04210H00300753	●										
	0,4	18,45	30,39	33,32	-	F04210H00300255	●										
	0,9	18,45	30,39	33,32	-	F04210H00300783	●										
	1,4	15,43	23,73	32,34	-	F04210H00300273	●										
	1,9	15,43	23,73	32,34	-	F04210H00300813	●										
	0,4	35,86	37,44	41,08	-	F04210H00300220	●										
	0,9	35,86	37,44	41,08	-	F04210H00300724	●										
	1,4	29,03	36,32	39,85	-	F04210H00300238	●										
	1,9	29,03	36,32	39,85	-	F04210H00300754	●										
	0,4	18,45	35,21	38,62	-	F04210H00300256	●										
	0,9	18,45	35,21	38,62	-	F04210H00300784	●										
	1,4	15,43	23,73	37,39	-	F04210H00300274	●										
	1,9	15,43	23,73	37,39	-	F04210H00300814	●										
	0,4	40,90	42,71	-	-	F04210H00300221	●										
	0,9	40,90	42,71	-	-	F04210H00300725	●										
	1,4	29,03	41,37	-	-	F04210H00300239	●										
	1,9	29,03	41,37	-	-	F04210H00300755	●										
	0,4	18,45	40,03	-	-	F04210H00300257	●										
	0,9	18,45	40,03	-	-	F04210H00300785	●										
	1,4	15,43	23,73	42,44	-	F04210H00300275	●										
	1,9	15,43	23,73	42,44	-	F04210H00300815	●										
	0,4	45,74	47,32	-	-	F04210H00300222	●										
	0,9	45,95	47,98	-	-	F04210H00300726	●										
	1,4	29,03	46,41	-	-	F04210H00300240	●										
	1,9	29,03	46,41	-	-	F04210H00300756	●										
	0,4	18,45	40,90	-	-	F04210H00300258	●										
	0,9	18,45	40,90	-	-	F04210H00300786	●										
	1,4	15,43	23,73	-	-	F04210H00300276	●										
	1,9	15,43	23,73	-	-	F04210H00300816	●										



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



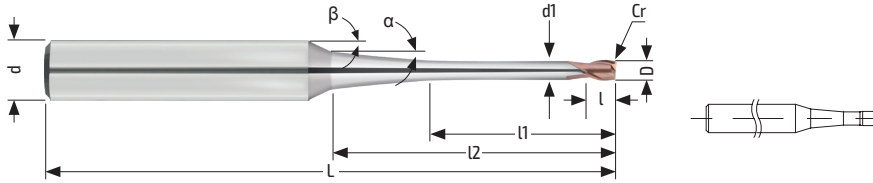
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,50	4,50	10,0	2,90	50,0	0,4	12	6	50,99	53,25	-	-	F04210H00300727	●	
						0,9				51,46	-	-	F04210H00300757	●	
						1,4				40,90	-	-	F04210H00300787	●	
						1,9				23,73	-	-	F04210H00300817	●	
					55,0	0,4				58,52	-	-	F04210H00300728	●	
						0,9				56,50	-	-	F04210H00300758	●	
						1,4				40,90	-	-	F04210H00300788	●	
						1,9				23,73	-	-	F04210H00300818	●	
					60,0	0,4				63,79	-	-	F04210H00300729	●	
						0,9				61,55	-	-	F04210H00300759	●	
						1,4				40,90	-	-	F04210H00300789	●	
						1,9				23,73	-	-	F04210H00300819	●	
			25,0	78	0,4	29,70	-	F04210H00300223		●					
					108	29,70	-	F04210H00300730		●					
					78	26,64	29,21	-		F04210H00300241	●				
					108	26,64	29,21	-		F04210H00300760	●				
				108	78	26,19	28,72	-		F04210H00300259	●				
					108	26,19	28,72	-		F04210H00300790	●				
					78	22,22	28,23	-		F04210H00300277	●				
					108	22,22	28,23	-		F04210H00300820	●				
				30,0	78	0,4	35,49	-		F04210H00300224	●				
						108	35,49	-		F04210H00300731	●				
						78	31,68	34,75		-	F04210H00300242	●			
						108	31,68	34,75		-	F04210H00300761	●			
			108		78	31,01	34,01	-		F04210H00300260	●				
					108	31,01	34,01	-		F04210H00300791	●				
					78	22,22	30,34	33,27		-	F04210H00300278	●			
					108	22,22	30,34	33,27		-	F04210H00300821	●			
			35,0		78	0,4	41,27	-		F04210H00300225	●				
						108	41,27	-		F04210H00300732	●				
						78	36,73	40,29		-	F04210H00300243	●			
						108	36,73	40,29		-	F04210H00300762	●			
				108	78	35,83	39,31	-		F04210H00300261	●				
					108	35,83	39,31	-		F04210H00300792	●				
					78	22,22	34,28	38,32		-	F04210H00300279	●			
					108	22,22	34,28	38,32		-	F04210H00300822	●			
				40,0	78	0,4	-	-		F04210H00300226	●				
						108	42,89	-		-	F04210H00300733	●			
						78	40,00	41,77		-	-	F04210H00300244	●		
						108	40,00	41,77		-	-	F04210H00300763	●		
			108		78	26,23	40,65	-		-	F04210H00300262	●			
					108	26,23	40,65	-		-	F04210H00300793	●			
					78	22,22	34,28	43,37		-	F04210H00300280	●			
					108	22,22	34,28	43,37		-	F04210H00300823	●			



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
3,00	0,50	4,50	15,0	2,90	45,0	0,4	12	78	6	45,64	46,78	-	-	F04210H00300227	●										
										46,12	48,16	-	-	F04210H00300734	●										
										40,28	46,41	-	-	F04210H00300245	●										
										40,28	46,82	-	-	F04210H00300764	●										
										26,23	45,47	-	-	F04210H00300263	●										
										26,23	45,47	-	-	F04210H00300794	●										
										22,22	34,28	-	-	F04210H00300281	●										
										22,22	34,28	-	-	F04210H00300824	●										
										51,16	53,43	-	-	F04210H00300735	●										
										40,28	51,86	-	-	F04210H00300765	●										
										26,23	50,30	-	-	F04210H00300795	●										
										22,22	34,28	-	-	F04210H00300825	●										
										56,20	58,70	-	-	F04210H00300736	●										
										40,28	56,91	-	-	F04210H00300766	●										
										26,23	55,12	-	-	F04210H00300796	●										
										22,22	34,28	-	-	F04210H00300826	●										
										61,25	63,96	-	-	F04210H00300737	●										
										40,28	61,95	-	-	F04210H00300767	●										
										26,23	58,39	-	-	F04210H00300797	●										
										22,22	34,28	-	-	F04210H00300827	●										
										31,16	32,53	35,68	-	F04210H00300228	●										
										31,16	32,53	35,68	-	F04210H00300738	●										
										30,73	32,09	35,19	-	F04210H00300246	●										
										30,73	32,09	35,19	-	F04210H00300768	●										
										30,30	31,64	34,70	-	F04210H00300264	●										
										30,30	31,64	34,70	-	F04210H00300798	●										
										29,00	31,19	34,21	-	F04210H00300282	●										
										29,00	31,19	34,21	-	F04210H00300828	●										
										36,20	37,80	41,47	-	F04210H00300229	●										
										36,20	37,80	41,47	-	F04210H00300739	●										
										35,56	37,13	40,73	-	F04210H00300247	●										
										35,56	37,13	40,73	-	F04210H00300769	●										
										34,01	36,46	39,99	-	F04210H00300265	●										
										34,01	36,46	39,99	-	F04210H00300799	●										
										29,00	35,79	39,26	-	F04210H00300283	●										
										29,00	35,79	39,26	-	F04210H00300829	●										
										41,25	43,07	-	-	F04210H00300230	●										
										41,25	43,07	-	-	F04210H00300740	●										
										40,39	42,17	-	-	F04210H00300248	●										
										40,39	42,17	-	-	F04210H00300770	●										
										34,01	41,28	-	-	F04210H00300266	●										
										34,01	41,28	-	-	F04210H00300800	●										
										29,00	40,38	-	-	F04210H00300284	●										
										29,00	40,38	-	-	F04210H00300830	●										
										45,74	46,88	-	-	F04210H00300231	●										
										46,29	48,34	-	-	F04210H00300741	●										
										45,17	46,73	-	-	F04210H00300249	●										
										45,22	47,22	-	-	F04210H00300771	●										
										34,01	46,10	-	-	F04210H00300267	●										
										34,01	46,10	-	-	F04210H00300801	●										
										29,00	44,83	-	-	F04210H00300285	●										
										29,00	44,83	-	-	F04210H00300831	●										
										20,0	2,90	45,0	15,0	2,90	45,0	0,4	12	78	6	45,64	46,78	-	-	F04210H00300227	●
																				46,12	48,16	-	-	F04210H00300734	●
																				40,28	46,41	-	-	F04210H00300245	●
																				40,28	46,82	-	-	F04210H00300764	●
																				26,23	45,47	-	-	F04210H00300263	●
																				26,23	45,47	-	-	F04210H00300794	●
																				22,22	34,28	-	-	F04210H00300281	●
																				22,22	34,28	-	-	F04210H00300824	●
																				51,16	53,43	-	-	F04210H00300735	●
																				40,28	51,86	-	-	F04210H00300765	●
																				26,23	50,30	-	-	F04210H00300795	●
																				22,22	34,28	-	-	F04210H00300825	●
																				56,20	58,70	-	-	F04210H00300736	●
																				40,28	56,91	-	-	F04210H00300766	●
																				26,23	55,12	-	-	F04210H00300796	●
																				22,22	34,28	-	-	F04210H00300826	●
																				61,25	63,96	-	-	F04210H00300737	●
																				40,28	61,95	-	-	F04210H00300767	●
																				26,23	58,39	-	-	F04210H00300797	●
																				22,22	34,28	-	-	F04210H00300827	●
																				31,16	32,53	35,68	-	F04210H00300228	●
																				31,16	32,53	35,68	-	F04210H00300738	●
																				30,73	32,09	35,19	-	F04210H00300246	●
																				30,73	32,09	35,19	-	F04210H00300768	●
																				30,30	31,64	34,70	-	F04210H00300264	●
																				30,30	31,64	34,70	-	F04210H00300798	●
																				29,00	31,19	34,21	-	F04210H00300282	●
																				29,00	31,19	34,21	-	F04210H00300828	●
																				36,20	37,80	41,47	-	F04210H00300229	●
																				36,20	37,80	41,47	-	F04210H00300739	●
																				35,56	37,13	40,73	-	F04210H00300247	●
																				35,56	37,13	40,73	-	F04210H00300769	●
																				34,01	36,46	39,99	-	F04210H00300265	●
																				34,01	36,46	39,99	-	F04210H00300799	●
																				29,00	35,79	39,26	-	F04210H00300283	●
																				29,00	35,79	39,26	-	F04210H00300829	●
																				41,25	43,07	-	-	F04210H00300230	●
																				41,25	43,07	-	-	F04210H00300740	●
																				40,39	42,17	-	-	F04210H00300248	●
																				40,39	42,17	-	-	F04210H00300770	●
																				34,01	41,28	-	-	F04210H00300266	●
																				34,01	41,28	-	-	F04210H00300800	●
																				29,00	40,38	-	-	F04210H00300284	●
																				29,00	40,38	-	-	F04210H00300830	●
																				45,74	46,88	-	-	F04210H00300231	●
																				46,29	48,34	-	-	F04210H00300741	●
																				45,17	46,73	-	-	F04210H00300249	●
																				45,22	47,22	-	-	F04210H00300771	●
34,01	46,10	-	-	F04210H00300267	●																				
34,01	46,10	-	-	F04210H00300801	●																				
29,00	44,83	-	-	F04210H00300285	●																				
29,00	44,83	-	-	F04210H00300831	●																				



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



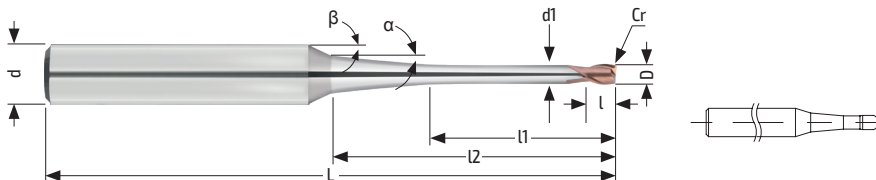
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	0,50	4,50	20,0	50,0	2,90	0,4	12	108	6	51,33	53,61	-	-	F04210H00300742	●
						0,9				50,05	52,26	-	-	F04210H00300772	●
						1,4				34,01	50,92	-	-	F04210H00300802	●
						1,9				29,00	44,83	-	-	F04210H00300832	●
				0,4		56,37				58,87	-	-	F04210H00300743	●	
				0,9		51,53				57,31	-	-	F04210H00300773	●	
				1,4		34,01				55,74	-	-	F04210H00300803	●	
				1,9		29,00				44,83	-	-	F04210H00300833	●	
				0,4		61,42				64,14	-	-	F04210H00300744	●	
				0,9		51,53				62,35	-	-	F04210H00300774	●	
				1,4		34,01				60,56	-	-	F04210H00300804	●	
				1,9		29,00				44,83	-	-	F04210H00300834	●	
			0,4	36,37		37,98				41,67	-	F04210H00300232	●		
			0,9	36,37		37,98				41,67	-	F04210H00300745	●		
			1,4	35,95		37,53				41,17	-	F04210H00300250	●		
			1,9	35,95		37,53				41,17	-	F04210H00300775	●		
			0,4	35,52		37,09				40,68	-	F04210H00300268	●		
			0,9	35,52		37,09				40,68	-	F04210H00300805	●		
			1,4	35,09		36,64				40,19	-	F04210H00300286	●		
			1,9	35,09		36,64				40,19	-	F04210H00300835	●		
			0,4	41,42		43,25				-	-	F04210H00300233	●		
			0,9	41,42		43,25				-	-	F04210H00300746	●		
			1,4	40,78		42,58				-	-	F04210H00300251	●		
			1,9	40,78		42,58				-	-	F04210H00300776	●		
			0,4	40,13		41,91				-	-	F04210H00300269	●		
			0,9	40,13		41,91				-	-	F04210H00300806	●		
			1,4	35,79		41,23				-	-	F04210H00300287	●		
			1,9	35,79		41,23				-	-	F04210H00300836	●		
			0,4	45,84		46,98				-	-	F04210H00300234	●		
			0,9	46,46		48,52				-	-	F04210H00300747	●		
			1,4	45,47		47,04				-	-	F04210H00300252	●		
			1,9	45,60		47,62				-	-	F04210H00300777	●		
			0,4	41,78		45,97				-	-	F04210H00300270	●		
			0,9	41,78		46,73				-	-	F04210H00300807	●		
			1,4	35,79		45,83				-	-	F04210H00300288	●		
			1,9	35,79		45,83				-	-	F04210H00300837	●		
			0,4	51,50		53,79				-	-	F04210H00300748	●		
			0,9	50,43		52,67				-	-	F04210H00300778	●		
			1,4	41,78		51,55				-	-	F04210H00300808	●		
			1,9	35,79		50,43				-	-	F04210H00300838	●		

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
3,00	0,50	4,50	25,0					108		12	55,0	0,4	56,55	59,05	-	-	F04210H00300749	●
											0,9	55,26	57,71	-	-	F04210H00300779	●	
											1,4	41,78	56,37	-	-	F04210H00300809	●	
											1,9	35,79	55,03	-	-	F04210H00300839	●	
											60,0	0,4	61,59	64,32	-	-	F04210H00300750	●
											0,9	60,09	62,76	-	-	F04210H00300780	●	
											1,4	41,78	61,19	-	-	F04210H00300810	●	
											1,9	35,79	55,38	-	-	F04210H00300840	●	
											78	20,71	21,59	23,62	26,09	F04210H00300289	●	
											108	20,71	21,59	23,62	26,09	F04210H00300841	●	
										78	20,28	21,15	23,13	25,54	F04210H00300307	●		
										108	20,28	21,15	23,13	25,54	F04210H00300871	●		
										78	18,18	20,70	22,64	25,00	F04210H00300325	●		
										108	18,18	20,70	22,64	25,00	F04210H00300901	●		
										78	15,25	20,25	22,14	24,45	F04210H00300343	●		
										108	15,25	20,25	22,14	24,45	F04210H00300931	●		
										78	25,75	26,86	29,41	-	F04210H00300290	●		
										108	25,75	26,86	29,41	-	F04210H00300842	●		
										78	25,11	26,19	28,67	-	F04210H00300308	●		
										108	25,11	26,19	28,67	-	F04210H00300872	●		
	78	18,18	25,52	27,93	-	F04210H00300326	●											
	108	18,18	25,52	27,93	-	F04210H00300902	●											
	78	15,25	23,17	27,19	-	F04210H00300344	●											
	108	15,25	23,17	27,19	-	F04210H00300932	●											
	78	30,80	32,13	35,19	-	F04210H00300291	●											
	108	30,80	32,13	35,19	-	F04210H00300843	●											
	78	28,40	31,24	34,21	-	F04210H00300309	●											
	108	28,40	31,24	34,21	-	F04210H00300873	●											
	78	18,18	30,34	33,23	-	F04210H00300327	●											
	108	18,18	30,34	33,23	-	F04210H00300903	●											
	78	15,25	23,17	32,24	-	F04210H00300345	●											
	108	15,25	23,17	32,24	-	F04210H00300933	●											
	78	35,84	37,40	40,98	-	F04210H00300292	●											
	108	35,84	37,40	40,98	-	F04210H00300844	●											
	78	28,40	36,28	39,75	-	F04210H00300310	●											
	108	28,40	36,28	39,75	-	F04210H00300874	●											
	78	18,18	35,16	38,52	-	F04210H00300328	●											
	108	18,18	35,16	38,52	-	F04210H00300904	●											
	78	15,25	23,17	37,29	-	F04210H00300346	●											
	108	15,25	23,17	37,29	-	F04210H00300934	●											
	78	40,88	42,67	-	-	F04210H00300293	●											
	108	40,88	42,67	-	-	F04210H00300845	●											
	78	28,40	41,32	-	-	F04210H00300311	●											
	108	28,40	41,32	-	-	F04210H00300875	●											
	78	18,18	39,65	43,82	-	F04210H00300329	●											
	108	18,18	39,65	43,82	-	F04210H00300905	●											
	78	15,25	23,17	42,34	-	F04210H00300347	●											
	108	15,25	23,17	42,34	-	F04210H00300935	●											
	78	45,0	0,4	45,73	47,29	-	-	F04210H00300294	●									
	108	45,93	47,94	-	-	F04210H00300846	●											
	78	28,40	46,37	-	-	F04210H00300312	●											
	108	28,40	46,37	-	-	F04210H00300876	●											
	78	18,18	39,65	-	-	F04210H00300330	●											
	108	18,18	39,65	-	-	F04210H00300906	●											
	78	15,25	23,17	-	-	F04210H00300348	●											
	108	15,25	23,17	-	-	F04210H00300936	●											



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



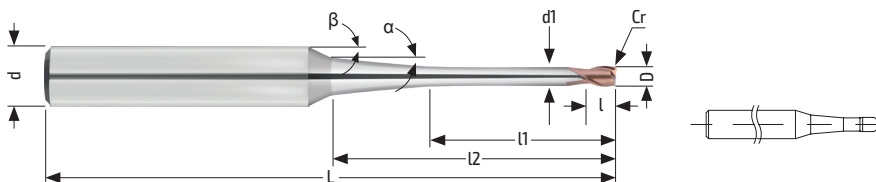
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	1,00	4,50	2,90	10,0	50,0	0,4	12	108	6	50,97	53,20	-	-	F04210H00300847	●
						0,9				28,40	51,41	-	-	F04210H00300877	●
						1,4				18,18	39,65	-	-	F04210H00300907	●
						1,9				15,25	23,17	-	-	F04210H00300937	●
						0,4				56,01	58,47	-	-	F04210H00300848	●
						0,9				28,40	56,46	-	-	F04210H00300878	●
						1,4				18,18	39,65	-	-	F04210H00300908	●
						1,9				15,25	23,17	-	-	F04210H00300938	●
						0,4				61,05	63,74	-	-	F04210H00300849	●
						0,9				28,40	61,50	-	-	F04210H00300879	●
						1,4				18,18	39,65	-	-	F04210H00300909	●
						1,9				15,25	23,17	-	-	F04210H00300939	●
					0,4	25,93	27,04	29,60	-	F04210H00300295	●				
					0,9	25,93	27,04	29,60	-	F04210H00300850	●				
					1,4	25,50	26,59	29,11	-	F04210H00300313	●				
					1,9	25,50	26,59	29,11	-	F04210H00300880	●				
					0,4	25,07	26,15	28,62	-	F04210H00300331	●				
					0,9	25,07	26,15	28,62	-	F04210H00300910	●				
					1,4	22,04	25,70	28,13	-	F04210H00300349	●				
					1,9	22,04	25,70	28,13	-	F04210H00300940	●				
					0,4	30,97	32,31	35,39	-	F04210H00300296	●				
					0,9	30,97	32,31	35,39	-	F04210H00300851	●				
					1,4	30,33	31,64	34,65	-	F04210H00300314	●				
					1,9	30,33	31,64	34,65	-	F04210H00300881	●				
					0,4	25,95	30,97	33,91	-	F04210H00300332	●				
					0,9	25,95	30,97	33,91	-	F04210H00300911	●				
					1,4	22,04	30,30	33,18	-	F04210H00300350	●				
					1,9	22,04	30,30	33,18	-	F04210H00300941	●				
					0,4	36,01	37,58	41,17	-	F04210H00300297	●				
					0,9	36,01	37,58	41,17	-	F04210H00300852	●				
					1,4	35,15	36,68	40,19	-	F04210H00300315	●				
					1,9	35,15	36,68	40,19	-	F04210H00300882	●				
					0,4	25,95	35,79	39,21	-	F04210H00300333	●				
					0,9	25,95	35,79	39,21	-	F04210H00300912	●				
					1,4	22,04	33,72	38,23	-	F04210H00300351	●				
					1,9	22,04	33,72	38,23	-	F04210H00300942	●				
					0,4	41,05	42,85	-	-	F04210H00300298	●				
					0,9	41,05	42,85	-	-	F04210H00300853	●				
					1,4	39,65	41,73	-	-	F04210H00300316	●				
					1,9	39,65	41,73	-	-	F04210H00300883	●				
					0,4	25,95	40,61	-	-	F04210H00300334	●				
					0,9	25,95	40,61	-	-	F04210H00300913	●				
					1,4	22,04	33,72	43,27	-	F04210H00300352	●				
					1,9	22,04	33,72	43,27	-	F04210H00300943	●				



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
3,00	1,00	4,50	15,0	2,90	45,0	0,4	12	78	6	45,63	46,75	-	-	F04210H00300299	●										
										46,10	48,11	-	-	F04210H00300854	●										
										39,65	46,38	-	-	F04210H00300317	●										
										39,65	46,77	-	-	F04210H00300884	●										
										25,95	45,43	-	-	F04210H00300335	●										
										25,95	45,43	-	-	F04210H00300914	●										
										22,04	33,72	-	-	F04210H00300353	●										
										22,04	33,72	-	-	F04210H00300944	●										
										51,14	53,38	-	-	F04210H00300855	●										
										39,65	51,82	-	-	F04210H00300885	●										
										25,95	50,25	-	-	F04210H00300915	●										
										22,04	33,72	-	-	F04210H00300945	●										
										56,18	58,65	-	-	F04210H00300856	●										
										39,65	56,86	-	-	F04210H00300886	●										
										25,95	55,07	-	-	F04210H00300916	●										
										22,04	33,72	-	-	F04210H00300946	●										
										61,23	63,92	-	-	F04210H00300857	●										
										39,65	61,91	-	-	F04210H00300887	●										
										25,95	57,14	-	-	F04210H00300917	●										
										22,04	33,72	-	-	F04210H00300947	●										
										31,14	32,49	35,58	-	F04210H00300300	●										
										31,14	32,49	35,58	-	F04210H00300858	●										
										30,71	32,04	35,09	-	F04210H00300318	●										
										30,71	32,04	35,09	-	F04210H00300888	●										
										30,28	31,59	34,60	-	F04210H00300336	●										
										30,28	31,59	34,60	-	F04210H00300918	●										
										28,82	31,15	34,11	-	F04210H00300354	●										
										28,82	31,15	34,11	-	F04210H00300948	●										
										36,18	37,76	41,37	-	F04210H00300301	●										
										36,18	37,76	41,37	-	F04210H00300859	●										
										35,54	37,09	40,63	-	F04210H00300319	●										
										35,54	37,09	40,63	-	F04210H00300889	●										
										33,73	36,41	39,90	-	F04210H00300337	●										
										33,73	36,41	39,90	-	F04210H00300919	●										
										28,82	35,74	39,16	-	F04210H00300355	●										
										28,82	35,74	39,16	-	F04210H00300949	●										
										41,23	43,02	-	-	F04210H00300302	●										
										41,23	43,02	-	-	F04210H00300860	●										
										40,37	42,13	-	-	F04210H00300320	●										
										40,37	42,13	-	-	F04210H00300890	●										
										33,73	41,24	-	-	F04210H00300338	●										
										33,73	41,24	-	-	F04210H00300920	●										
										28,82	40,34	-	-	F04210H00300356	●										
										28,82	40,34	-	-	F04210H00300950	●										
										45,73	46,85	-	-	F04210H00300303	●										
										46,27	48,29	-	-	F04210H00300861	●										
										45,15	46,69	-	-	F04210H00300321	●										
										45,20	47,17	-	-	F04210H00300891	●										
										33,73	46,06	-	-	F04210H00300339	●										
										33,73	46,06	-	-	F04210H00300921	●										
										28,82	44,28	-	-	F04210H00300357	●										
										28,82	44,28	-	-	F04210H00300951	●										
										20,0	45,0	0,4	12	78	108	108	108	108	108	108	108	108	108	108	108



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

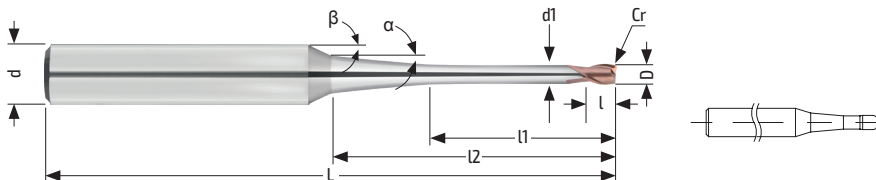


Non ISO  
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# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	1,00	4,50	20,0	50,0	2,90	12	108	6	6	51,31	53,56	-	-	F04210H00300862	●
										50,03	52,22	-	-	F04210H00300892	●
										33,73	50,88	-	-	F04210H00300922	●
										28,82	44,28	-	-	F04210H00300952	●
										56,35	58,83	-	-	F04210H00300863	●
										50,90	57,26	-	-	F04210H00300893	●
										33,73	55,70	-	-	F04210H00300923	●
										28,82	44,28	-	-	F04210H00300953	●
										61,40	64,10	-	-	F04210H00300864	●
										50,90	62,31	-	-	F04210H00300894	●
										33,73	60,52	-	-	F04210H00300924	●
										28,82	44,28	-	-	F04210H00300954	●
				36,35	37,94	41,57	-	F04210H00300304	●						
				36,35	37,94	41,57	-	F04210H00300865	●						
				35,93	37,49	41,08	-	F04210H00300322	●						
				35,93	37,49	41,08	-	F04210H00300895	●						
				35,50	37,04	40,58	-	F04210H00300340	●						
				35,50	37,04	40,58	-	F04210H00300925	●						
				35,07	36,59	40,09	-	F04210H00300358	●						
				35,07	36,59	40,09	-	F04210H00300955	●						
				41,40	43,20	-	-	F04210H00300305	●						
				41,40	43,20	-	-	F04210H00300866	●						
				40,75	42,53	-	-	F04210H00300323	●						
				40,75	42,53	-	-	F04210H00300896	●						
			40,11	41,86	-	-	F04210H00300341	●							
			40,11	41,86	-	-	F04210H00300926	●							
			35,61	41,19	-	-	F04210H00300359	●							
			35,61	41,19	-	-	F04210H00300956	●							
			45,82	46,95	-	-	F04210H00300306	●							
			46,44	48,47	-	-	F04210H00300867	●							
			45,46	47,01	-	-	F04210H00300324	●							
			45,58	47,58	-	-	F04210H00300897	●							
			41,51	45,95	-	-	F04210H00300342	●							
			41,51	46,68	-	-	F04210H00300927	●							
			35,61	45,79	-	-	F04210H00300360	●							
			35,61	45,79	-	-	F04210H00300957	●							
			51,48	53,74	-	-	F04210H00300868	●							
			50,41	52,62	-	-	F04210H00300898	●							
			41,51	51,50	-	-	F04210H00300928	●							
			35,61	50,38	-	-	F04210H00300958	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock								
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°										
3,00	1,00	4,50	25,0	2,90	55,0	0,4	108	108	6	56,52	59,01	-	-	F04210H00300869	●								
										55,24	57,67	-	-	F04210H00300899	●								
										41,51	56,32	-	-	F04210H00300929	●								
										35,61	54,83	-	-	F04210H00300959	●								
										61,57	64,28	-	-	F04210H00300870	●								
										60,07	62,71	-	-	F04210H00300900	●								
					60,0					41,51	61,15	-	-	F04210H00300930	●								
										35,61	54,83	-	-	F04210H00300960	●								
										20,0	78	10,0	3,90	20,0	0,4	12	6	20,75	21,67	23,80	-	F04210H00400001	○
																		20,75	21,67	23,80	-	F04210H00400361	○
																		20,32	21,23	23,30	-	F04210H00400019	○
																		20,32	21,23	23,30	-	F04210H00400391	○
18,68	20,78	22,81	-	F04210H00400037	○																		
18,68	20,78	22,81	-	F04210H00400421	○																		
25,0	78	25,0	1,4	108	0,9	108	6	15,57	20,33		22,32			-				F04210H00400055	○				
								15,57	20,33		22,32			-				F04210H00400451	○				
								25,79	26,94		-			-				F04210H00400002	○				
								25,79	26,94		-			-				F04210H00400362	○				
								25,15	26,27		-			-				F04210H00400020	○				
								25,15	26,27		-			-				F04210H00400392	○				
30,0	78	30,0	1,9	108	0,4	108	6	18,68	25,60	28,11	-	F04210H00400038	○										
								18,68	25,60	28,11	-	F04210H00400422	○										
								15,57	24,17	27,37	-	F04210H00400056	○										
								15,57	24,17	27,37	-	F04210H00400452	○										
								30,84	32,21	-	-	F04210H00400003	○										
								30,84	32,21	-	-	F04210H00400363	○										
35,0	78	35,0	1,4	108	0,9	108	6	29,53	31,32	-	-	F04210H00400021	○										
								29,53	31,32	-	-	F04210H00400393	○										
								18,68	30,42	-	-	F04210H00400039	○										
								18,68	30,42	-	-	F04210H00400423	○										
								15,57	24,17	-	-	F04210H00400057	○										
								15,57	24,17	-	-	F04210H00400453	○										
40,0	78	40,0	1,9	108	0,4	108	6	35,88	37,48	-	-	F04210H00400004	○										
								35,88	37,48	-	-	F04210H00400364	○										
								29,53	36,36	-	-	F04210H00400022	○										
								29,53	36,36	-	-	F04210H00400394	○										
								18,68	35,24	-	-	F04210H00400040	○										
								18,68	35,24	-	-	F04210H00400424	○										
45,0	78	45,0	1,4	108	0,9	108	6	15,57	24,17	-	-	F04210H00400058	○										
								15,57	24,17	-	-	F04210H00400454	○										
								40,92	42,75	-	-	F04210H00400005	○										
								40,92	42,75	-	-	F04210H00400365	○										
								29,53	41,41	-	-	F04210H00400023	○										
								29,53	41,41	-	-	F04210H00400395	○										
55,0	78	55,0	1,9	108	0,4	108	6	18,68	40,06	-	-	F04210H00400041	○										
								18,68	40,06	-	-	F04210H00400425	○										
								15,57	24,17	-	-	F04210H00400059	○										
								15,57	24,17	-	-	F04210H00400455	○										
								45,96	48,02	-	-	F04210H00400006	○										
								45,96	48,02	-	-	F04210H00400366	○										
60,0	78	60,0	1,4	108	0,9	108	6	29,53	46,45	-	-	F04210H00400024	○										
								29,53	46,45	-	-	F04210H00400396	○										
								18,68	41,90	-	-	F04210H00400042	○										
								18,68	41,90	-	-	F04210H00400426	○										
								15,57	24,17	-	-	F04210H00400060	○										
								15,57	24,17	-	-	F04210H00400456	○										



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



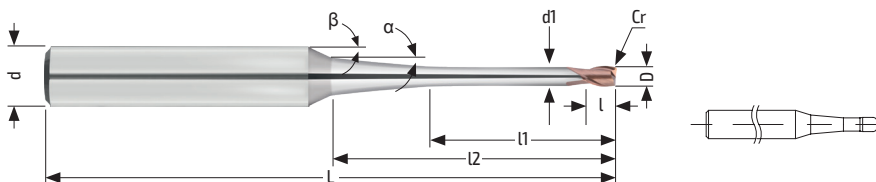
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
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 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,10	6,00	10,0	3,90	50,0	0,4	12	108	6	51,01	53,28	-	-	F04210H00400367	○
						0,9				29,53	51,49	-	-	F04210H00400397	○
						1,4				18,68	41,90	-	-	F04210H00400427	○
						1,9				15,57	24,17	-	-	F04210H00400457	○
					0,4	56,05				-	-	-	F04210H00400368	○	
					0,9	29,53				56,54	-	-	F04210H00400398	○	
					1,4	18,68				41,90	-	-	F04210H00400428	○	
					1,9	15,57				24,17	-	-	F04210H00400458	○	
					0,4	61,09				-	-	-	F04210H00400369	○	
					0,9	29,53				-	-	-	F04210H00400399	○	
					1,4	18,68				41,90	-	-	F04210H00400429	○	
					1,9	15,57				24,17	-	-	F04210H00400459	○	
			0,4	25,96	27,12	-	-	F04210H00400007	○						
			0,9	25,96	27,12	-	-	F04210H00400370	○						
			1,4	25,54	26,67	-	-	F04210H00400025	○						
			1,9	25,54	26,67	-	-	F04210H00400400	○						
			0,4	25,11	26,23	-	-	F04210H00400043	○						
			0,9	25,11	26,23	-	-	F04210H00400430	○						
			1,4	22,36	25,78	28,30	-	F04210H00400061	○						
			1,9	22,36	25,78	28,30	-	F04210H00400460	○						
			0,4	31,01	32,39	-	-	F04210H00400008	○						
			0,9	31,01	32,39	-	-	F04210H00400371	○						
			1,4	30,36	31,72	-	-	F04210H00400026	○						
			1,9	30,36	31,72	-	-	F04210H00400401	○						
			0,4	26,45	31,05	-	-	F04210H00400044	○						
			0,9	26,45	31,05	-	-	F04210H00400431	○						
			1,4	22,36	30,38	-	-	F04210H00400062	○						
			1,9	22,36	30,38	-	-	F04210H00400461	○						
			0,4	36,05	37,66	-	-	F04210H00400009	○						
			0,9	36,05	37,66	-	-	F04210H00400372	○						
			1,4	35,19	36,76	-	-	F04210H00400027	○						
			1,9	35,19	36,76	-	-	F04210H00400402	○						
			0,4	26,45	35,87	-	-	F04210H00400045	○						
			0,9	26,45	35,87	-	-	F04210H00400432	○						
			1,4	22,36	34,72	-	-	F04210H00400063	○						
			1,9	22,36	34,72	-	-	F04210H00400462	○						
			0,4	41,09	42,93	-	-	F04210H00400010	○						
			0,9	41,09	42,93	-	-	F04210H00400373	○						
			1,4	40,02	41,81	-	-	F04210H00400028	○						
			1,9	40,02	41,81	-	-	F04210H00400403	○						
			0,4	26,45	40,69	-	-	F04210H00400046	○						
			0,9	26,45	40,69	-	-	F04210H00400433	○						
			1,4	22,36	34,72	-	-	F04210H00400064	○						
			1,9	22,36	34,72	-	-	F04210H00400463	○						



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
4,00	0,10	6,00	15,0	3,90	45,0	0,4	12	108	6	78	46,14	48,19	-	-	F04210H00400011	○		
										108	46,14	48,19	-	-	F04210H00400374	○		
										78	40,78	46,85	-	-	F04210H00400029	○		
										108	40,78	46,85	-	-	F04210H00400404	○		
										78	26,45	45,51	-	-	F04210H00400047	○		
										108	26,45	45,51	-	-	F04210H00400434	○		
										78	22,36	34,72	-	-	F04210H00400065	○		
										108	22,36	34,72	-	-	F04210H00400464	○		
										78	51,18	53,46	-	-	F04210H00400375	○		
										108	40,78	51,90	-	-	F04210H00400405	○		
					78	26,45	50,33	-	-	F04210H00400435	○							
					108	22,36	34,72	-	-	F04210H00400465	○							
					78	56,22	-	-	-	F04210H00400376	○							
					108	40,78	56,94	-	-	F04210H00400406	○							
					78	26,45	55,15	-	-	F04210H00400436	○							
					108	22,36	34,72	-	-	F04210H00400466	○							
					78	61,26	-	-	-	F04210H00400377	○							
					108	40,78	-	-	-	F04210H00400407	○							
					78	26,45	-	-	-	F04210H00400437	○							
					108	22,36	34,72	-	-	F04210H00400467	○							
					78	31,18	32,57	-	-	F04210H00400012	○							
					108	31,18	32,57	-	-	F04210H00400378	○							
					78	30,75	32,12	-	-	F04210H00400030	○							
					108	30,75	32,12	-	-	F04210H00400408	○							
					78	30,32	31,67	-	-	F04210H00400048	○							
					108	30,32	31,67	-	-	F04210H00400438	○							
					78	29,14	31,23	-	-	F04210H00400066	○							
					108	29,14	31,23	-	-	F04210H00400468	○							
					78	36,22	37,84	-	-	F04210H00400013	○							
					108	36,22	37,84	-	-	F04210H00400379	○							
					78	35,58	37,17	-	-	F04210H00400031	○							
					108	35,58	37,17	-	-	F04210H00400409	○							
					78	34,23	36,49	-	-	F04210H00400049	○							
					108	34,23	36,49	-	-	F04210H00400439	○							
					78	29,14	35,82	-	-	F04210H00400067	○							
					108	29,14	35,82	-	-	F04210H00400469	○							
					78	41,26	43,11	-	-	F04210H00400014	○							
					108	41,26	43,11	-	-	F04210H00400380	○							
					78	40,41	42,21	-	-	F04210H00400032	○							
					108	40,41	42,21	-	-	F04210H00400410	○							
					78	34,23	41,32	-	-	F04210H00400050	○							
					108	34,23	41,32	-	-	F04210H00400440	○							
					78	29,14	40,42	-	-	F04210H00400068	○							
					108	29,14	40,42	-	-	F04210H00400470	○							
					78	46,31	48,37	-	-	F04210H00400015	○							
					108	46,31	48,37	-	-	F04210H00400381	○							
					78	45,24	47,26	-	-	F04210H00400033	○							
					108	45,24	47,26	-	-	F04210H00400411	○							
					78	34,23	46,14	-	-	F04210H00400051	○							
					108	34,23	46,14	-	-	F04210H00400441	○							
		78	29,14	45,02	-	-	F04210H00400069	○										
		108	29,14	45,02	-	-	F04210H00400471	○										
		20,0	3,90	30,0	20,0	3,90	45,0	0,4	12	108	6	78	31,18	32,57	-	-	F04210H00400012	○
												108	31,18	32,57	-	-	F04210H00400378	○
												78	30,75	32,12	-	-	F04210H00400030	○
												108	30,75	32,12	-	-	F04210H00400408	○
												78	30,32	31,67	-	-	F04210H00400048	○
												108	30,32	31,67	-	-	F04210H00400438	○
												78	29,14	31,23	-	-	F04210H00400066	○
												108	29,14	31,23	-	-	F04210H00400468	○
												78	36,22	37,84	-	-	F04210H00400013	○
												108	36,22	37,84	-	-	F04210H00400379	○
				78	35,58	37,17	-	-	F04210H00400031	○								
				108	35,58	37,17	-	-	F04210H00400409	○								
				78	34,23	36,49	-	-	F04210H00400049	○								
				108	34,23	36,49	-	-	F04210H00400439	○								
				78	29,14	35,82	-	-	F04210H00400067	○								
				108	29,14	35,82	-	-	F04210H00400469	○								
				78	41,26	43,11	-	-	F04210H00400014	○								
				108	41,26	43,11	-	-	F04210H00400380	○								
				78	40,41	42,21	-	-	F04210H00400032	○								
				108	40,41	42,21	-	-	F04210H00400410	○								
				78	34,23	41,32	-	-	F04210H00400050	○								
				108	34,23	41,32	-	-	F04210H00400440	○								
				78	29,14	40,42	-	-	F04210H00400068	○								
				108	29,14	40,42	-	-	F04210H00400470	○								
				78	46,31	48,37	-	-	F04210H00400015	○								
				108	46,31	48,37	-	-	F04210H00400381	○								
				78	45,24	47,26	-	-	F04210H00400033	○								
				108	45,24	47,26	-	-	F04210H00400411	○								
				78	34,23	46,14	-	-	F04210H00400051	○								
				108	34,23	46,14	-	-	F04210H00400441	○								
				78	29,14	45,02	-	-	F04210H00400069	○								
				108	29,14	45,02	-	-	F04210H00400471	○								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**04210**

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée

Silmax  
NORM

λ 30°

4S

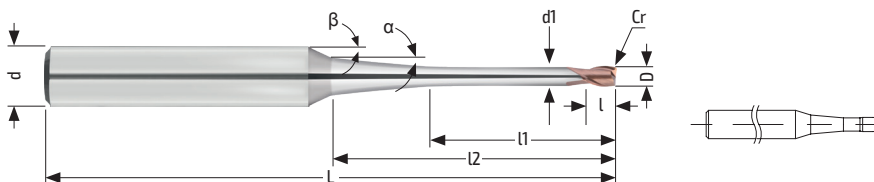


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
4,00	0,10	6,00	20,0	50,0	3,90	12	108	6	6	0,4	51,35	53,64	-	-	F04210H00400382	○
										0,9	50,06	52,30	-	-	F04210H00400412	○
										1,4	34,23	50,96	-	-	F04210H00400442	○
										1,9	29,14	45,27	-	-	F04210H00400472	○
										0,4	56,39	-	-	-	F04210H00400383	○
										0,9	52,03	57,34	-	-	F04210H00400413	○
										1,4	34,23	55,78	-	-	F04210H00400443	○
										1,9	29,14	45,27	-	-	F04210H00400473	○
										0,4	61,43	-	-	-	F04210H00400384	○
										0,9	52,03	-	-	-	F04210H00400414	○
										1,4	34,23	-	-	-	F04210H00400444	○
										1,9	29,14	45,27	-	-	F04210H00400474	○
				0,4	36,39	38,02	-	-	F04210H00400016	○						
				0,9	36,39	38,02	-	-	F04210H00400385	○						
				1,4	35,96	37,57	-	-	F04210H00400034	○						
				1,9	35,96	37,57	-	-	F04210H00400415	○						
				0,4	35,54	37,12	-	-	F04210H00400052	○						
				0,9	35,54	37,12	-	-	F04210H00400445	○						
				1,4	35,11	36,67	-	-	F04210H00400070	○						
				1,9	35,11	36,67	-	-	F04210H00400475	○						
				0,4	41,43	43,28	-	-	F04210H00400017	○						
				0,9	41,43	43,28	-	-	F04210H00400386	○						
				1,4	40,79	42,61	-	-	F04210H00400035	○						
				1,9	40,79	42,61	-	-	F04210H00400416	○						
			0,4	40,15	41,94	-	-	F04210H00400053	○							
			0,9	40,15	41,94	-	-	F04210H00400446	○							
			1,4	35,93	41,27	-	-	F04210H00400071	○							
			1,9	35,93	41,27	-	-	F04210H00400476	○							
			0,4	46,48	48,55	-	-	F04210H00400018	○							
			0,9	46,48	48,55	-	-	F04210H00400387	○							
			1,4	45,62	47,66	-	-	F04210H00400036	○							
			1,9	45,62	47,66	-	-	F04210H00400417	○							
			0,4	42,01	46,76	-	-	F04210H00400054	○							
			0,9	42,01	46,76	-	-	F04210H00400447	○							
			1,4	35,93	45,87	-	-	F04210H00400072	○							
			1,9	35,93	45,87	-	-	F04210H00400477	○							
			0,4	51,52	53,82	-	-	F04210H00400388	○							
			0,9	50,45	52,70	-	-	F04210H00400418	○							
			1,4	42,01	51,58	-	-	F04210H00400448	○							
			1,9	35,93	50,46	-	-	F04210H00400478	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,10	6,00	25,0	3,90	55,0	108	12	6	0,4	56,56	-	-	-	F04210H00400389	○
									0,9	55,28	-	-	-	F04210H00400419	○
									1,4	42,01	56,41	-	-	F04210H00400449	○
									1,9	35,93	55,06	-	-	F04210H00400479	○
									0,4	61,61	-	-	-	F04210H00400390	○
									0,9	60,11	-	-	-	F04210H00400420	○
									1,4	42,01	-	-	-	F04210H00400450	○
									1,9	35,93	55,83	-	-	F04210H00400480	○
									0,4	20,75	21,66	23,78	-	F04210H00400073	○
									0,9	20,75	21,66	23,78	-	F04210H00400481	○
					1,4	20,32	21,22	23,28	-	F04210H00400091	○				
					1,9	20,32	21,22	23,28	-	F04210H00400511	○				
					0,4	18,62	20,77	22,79	-	F04210H00400109	○				
					0,9	18,62	20,77	22,79	-	F04210H00400541	○				
					1,4	15,54	20,32	22,30	-	F04210H00400127	○				
					1,9	15,54	20,32	22,30	-	F04210H00400571	○				
					0,4	78	25,79	26,93	-	F04210H00400074	○				
					0,9	108	25,79	26,93	-	F04210H00400482	○				
					1,4	78	25,15	26,26	28,83	-	F04210H00400092	○			
					1,9	108	25,15	26,26	28,83	-	F04210H00400512	○			
	0,4	78	18,62	25,59	28,09	-	F04210H00400110	○							
	0,9	108	18,62	25,59	28,09	-	F04210H00400542	○							
	1,4	78	15,54	24,06	27,35	-	F04210H00400128	○							
	1,9	108	15,54	24,06	27,35	-	F04210H00400572	○							
	0,4	78	30,83	32,20	-	-	F04210H00400075	○							
	0,9	108	30,83	32,20	-	-	F04210H00400483	○							
	1,4	78	29,40	31,31	-	-	F04210H00400093	○							
	1,9	108	29,40	31,31	-	-	F04210H00400513	○							
	0,4	78	18,62	30,41	-	-	F04210H00400111	○							
	0,9	108	18,62	30,41	-	-	F04210H00400543	○							
	1,4	78	15,54	24,06	-	-	F04210H00400129	○							
	1,9	108	15,54	24,06	-	-	F04210H00400573	○							
	0,4	78	35,87	37,47	-	-	F04210H00400076	○							
	0,9	108	35,87	37,47	-	-	F04210H00400484	○							
	1,4	78	29,40	36,35	-	-	F04210H00400094	○							
	1,9	108	29,40	36,35	-	-	F04210H00400514	○							
	0,4	78	18,62	35,23	-	-	F04210H00400112	○							
	0,9	108	18,62	35,23	-	-	F04210H00400544	○							
	1,4	78	15,54	24,06	-	-	F04210H00400130	○							
	1,9	108	15,54	24,06	-	-	F04210H00400574	○							
	0,4	78	40,92	42,74	-	-	F04210H00400077	○							
	0,9	108	40,92	42,74	-	-	F04210H00400485	○							
	1,4	78	29,40	41,40	-	-	F04210H00400095	○							
	1,9	108	29,40	41,40	-	-	F04210H00400515	○							
	0,4	78	18,62	40,05	-	-	F04210H00400113	○							
	0,9	108	18,62	40,05	-	-	F04210H00400545	○							
	1,4	78	15,54	24,06	-	-	F04210H00400131	○							
	1,9	108	15,54	24,06	-	-	F04210H00400575	○							
	0,4	78	45,96	48,01	-	-	F04210H00400078	○							
	0,9	108	45,96	48,01	-	-	F04210H00400486	○							
	1,4	78	29,40	46,44	-	-	F04210H00400096	○							
	1,9	108	29,40	46,44	-	-	F04210H00400516	○							
	0,4	78	18,62	41,65	-	-	F04210H00400114	○							
	0,9	108	18,62	41,65	-	-	F04210H00400546	○							
	1,4	78	15,54	24,06	-	-	F04210H00400132	○							
	1,9	108	15,54	24,06	-	-	F04210H00400576	○							



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



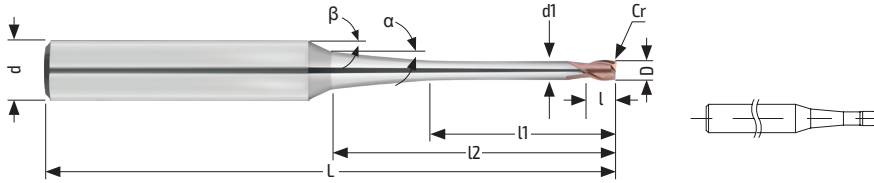
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,20	6,00	10,0	3,90	50,0	0,4	12	6	51,00	53,28	-	-	F04210H00400487	○	
						0,9				29,40	51,49	-	-	F04210H00400517	○
						1,4				18,62	41,65	-	-	F04210H00400547	○
						1,9				15,54	24,06	-	-	F04210H00400577	○
						0,4				56,05	-	-	-	F04210H00400488	○
						0,9				29,40	56,53	-	-	F04210H00400518	○
						1,4				18,62	41,65	-	-	F04210H00400548	○
						1,9				15,54	24,06	-	-	F04210H00400578	○
						0,4				61,09	-	-	-	F04210H00400489	○
						0,9				29,40	-	-	-	F04210H00400519	○
						1,4				18,62	41,65	-	-	F04210H00400549	○
						1,9				15,54	24,06	-	-	F04210H00400579	○
					0,4	25,96	27,11	-	-	F04210H00400079	○				
					0,9	25,96	27,11	-	-	F04210H00400490	○				
					1,4	25,53	26,66	-	-	F04210H00400097	○				
					1,9	25,53	26,66	-	-	F04210H00400520	○				
					0,4	25,10	26,22	28,78	-	F04210H00400115	○				
					0,9	25,10	26,22	28,78	-	F04210H00400550	○				
					1,4	22,32	25,77	28,28	-	F04210H00400133	○				
					1,9	22,32	25,77	28,28	-	F04210H00400580	○				
					0,4	31,00	32,38	-	-	F04210H00400080	○				
					0,9	31,00	32,38	-	-	F04210H00400491	○				
					1,4	30,36	31,71	-	-	F04210H00400098	○				
					1,9	30,36	31,71	-	-	F04210H00400521	○				
			0,4	26,40	31,04	-	-	F04210H00400116	○						
			0,9	26,40	31,04	-	-	F04210H00400551	○						
			1,4	22,32	30,37	-	-	F04210H00400134	○						
			1,9	22,32	30,37	-	-	F04210H00400581	○						
			0,4	36,05	37,65	-	-	F04210H00400081	○						
			0,9	36,05	37,65	-	-	F04210H00400492	○						
			1,4	35,19	36,75	-	-	F04210H00400099	○						
			1,9	35,19	36,75	-	-	F04210H00400522	○						
			0,4	26,40	35,86	-	-	F04210H00400117	○						
			0,9	26,40	35,86	-	-	F04210H00400552	○						
			1,4	22,32	34,61	-	-	F04210H00400135	○						
			1,9	22,32	34,61	-	-	F04210H00400582	○						
			0,4	41,09	42,92	-	-	F04210H00400082	○						
			0,9	41,09	42,92	-	-	F04210H00400493	○						
			1,4	40,02	41,80	-	-	F04210H00400100	○						
			1,9	40,02	41,80	-	-	F04210H00400523	○						
			0,4	26,40	40,68	-	-	F04210H00400118	○						
			0,9	26,40	40,68	-	-	F04210H00400553	○						
			1,4	22,32	34,61	-	-	F04210H00400136	○						
			1,9	22,32	34,61	-	-	F04210H00400583	○						



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock																								
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°																										
4,00	0,20	6,00	15,0	3,90	45,0	0,4		78		46,13	48,19	-	-	F04210H00400083	○																								
								108		46,13	48,19	-	-	F04210H00400494	○																								
						0,9		78		40,65	46,84	-	-	F04210H00400101	○																								
								108		40,65	46,84	-	-	F04210H00400524	○																								
						1,4		78		26,40	45,50	-	-	F04210H00400119	○																								
								108		26,40	45,50	-	-	F04210H00400554	○																								
						1,9		78		22,32	34,61	-	-	F04210H00400137	○																								
								108		22,32	34,61	-	-	F04210H00400584	○																								
						50,0					0,4			78		51,17	53,45	-	-	F04210H00400495	○																		
														108		40,65	51,89	-	-	F04210H00400525	○																		
														78		26,40	50,32	-	-	F04210H00400555	○																		
														108		22,32	34,61	-	-	F04210H00400585	○																		
					55,0					0,4			78		56,22	-	-	-	F04210H00400496	○																			
													108		40,65	56,93	-	-	F04210H00400526	○																			
													78		26,40	55,14	-	-	F04210H00400556	○																			
													108		22,32	34,61	-	-	F04210H00400586	○																			
					60,0					0,4			78		61,26	-	-	-	F04210H00400497	○																			
													108		40,65	-	-	-	F04210H00400527	○																			
													78		26,40	-	-	-	F04210H00400557	○																			
													108		22,32	34,61	-	-	F04210H00400587	○																			
					30,0					0,4			78		31,17	32,56	-	-	F04210H00400084	○																			
													108		31,17	32,56	-	-	F04210H00400498	○																			
													0,9				78		30,75	32,11	-	-	F04210H00400102	○															
																	108		30,75	32,11	-	-	F04210H00400528	○															
			1,4												78		30,32	31,66	-	-	F04210H00400120	○																	
															108		30,32	31,66	-	-	F04210H00400558	○																	
			1,9													78		29,11	31,22	-	-	F04210H00400138	○																
																108		29,11	31,22	-	-	F04210H00400588	○																
																35,0					0,4			78		36,22	37,83	-	-	F04210H00400085	○								
																								108		36,22	37,83	-	-	F04210H00400499	○								
																								0,9								78		35,57	37,16	-	-	F04210H00400103	○
																																108		35,57	37,16	-	-	F04210H00400529	○
			1,4								78		34,17	36,49	-	-	F04210H00400121	○																					
											108		34,17	36,49	-	-	F04210H00400559	○																					
			1,9								78		29,11	35,81	-	-	F04210H00400139	○																					
											108		29,11	35,81	-	-	F04210H00400589	○																					
			40,0					0,4			78		41,26	43,10	-	-	F04210H00400086	○																					
											108		41,26	43,10	-	-	F04210H00400500	○																					
											0,9								78		40,40	42,20	-	-	F04210H00400104	○													
																			108		40,40	42,20	-	-	F04210H00400530	○													
											1,4								78		34,17	41,31	-	-	F04210H00400122	○													
								108		34,17									41,31	-	-	F04210H00400560	○																
								1,9								78		29,11	40,41	-	-	F04210H00400140	○																
																108		29,11	40,41	-	-	F04210H00400590	○																
																45,0					0,4			78		46,30	48,36	-	-	F04210H00400087	○								
																								108		46,30	48,36	-	-	F04210H00400501	○								
			0,9																								78		45,23	47,25	-	-	F04210H00400105	○					
								108		45,23	47,25	-	-	F04210H00400531	○																								
1,4								78		34,17	46,13	-	-	F04210H00400123	○																								
								108		34,17	46,13	-	-	F04210H00400561	○																								
								1,9								78		29,11	45,01	-	-	F04210H00400141	○																
108		29,11	45,01	-	-	F04210H00400591	○																																



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

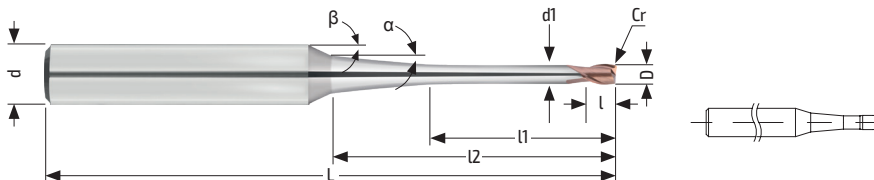


Non ISO  
Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
4,00	0,20	6,00	20,0	3,90	50,0	12	108	6	6	0,4	51,34	53,63	-	-	F04210H00400502	○
										0,9	50,06	52,29	-	-	F04210H00400532	○
										1,4	34,17	50,95	-	-	F04210H00400562	○
										1,9	29,11	45,16	-	-	F04210H00400592	○
										0,4	56,39	-	-	-	F04210H00400503	○
										0,9	51,90	57,34	-	-	F04210H00400533	○
										1,4	34,17	55,77	-	-	F04210H00400563	○
										1,9	29,11	45,16	-	-	F04210H00400593	○
										0,4	61,43	-	-	-	F04210H00400504	○
										0,9	51,90	-	-	-	F04210H00400534	○
										1,4	34,17	-	-	-	F04210H00400564	○
										1,9	29,11	45,16	-	-	F04210H00400594	○
					0,4	36,39	38,01	-	-	F04210H00400088	○					
					108	36,39	38,01	-	-	F04210H00400505	○					
					78	35,96	37,56	-	-	F04210H00400106	○					
					108	35,96	37,56	-	-	F04210H00400535	○					
					78	35,53	37,11	-	-	F04210H00400124	○					
					108	35,53	37,11	-	-	F04210H00400565	○					
					78	35,10	36,66	-	-	F04210H00400142	○					
					108	35,10	36,66	-	-	F04210H00400595	○					
					78	41,43	43,28	-	-	F04210H00400089	○					
					108	41,43	43,28	-	-	F04210H00400506	○					
					78	40,79	42,60	-	-	F04210H00400107	○					
					108	40,79	42,60	-	-	F04210H00400536	○					
			78	40,15	41,93	-	-	F04210H00400125	○							
			108	40,15	41,93	-	-	F04210H00400566	○							
			78	35,89	41,26	-	-	F04210H00400143	○							
			108	35,89	41,26	-	-	F04210H00400596	○							
			78	46,47	48,54	-	-	F04210H00400090	○							
			108	46,47	48,54	-	-	F04210H00400507	○							
			78	45,62	47,65	-	-	F04210H00400108	○							
			108	45,62	47,65	-	-	F04210H00400537	○							
			78	41,95	46,75	-	-	F04210H00400126	○							
			108	41,95	46,75	-	-	F04210H00400567	○							
			78	35,89	45,86	-	-	F04210H00400144	○							
			108	35,89	45,86	-	-	F04210H00400597	○							
			78	51,52	53,81	-	-	F04210H00400508	○							
			108	50,45	52,69	-	-	F04210H00400538	○							
			78	41,95	51,58	-	-	F04210H00400568	○							
			108	35,89	50,46	-	-	F04210H00400598	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,20	6,00	25,0	3,90	55,0	108	12	6	108	56,56	-	-	-	F04210H00400509	○
										55,27	-	-	-	F04210H00400539	○
										41,95	56,40	-	-	F04210H00400569	○
										35,89	55,05	-	-	F04210H00400599	○
										61,60	-	-	-	F04210H00400510	○
										60,10	-	-	-	F04210H00400540	○
										41,95	-	-	-	F04210H00400570	○
										35,89	55,72	-	-	F04210H00400600	○
										20,74	21,66	23,76	-	F04210H00400145	●
										20,74	21,66	23,76	-	F04210H00400601	●
					20,31	21,21	23,26	-	F04210H00400163	●					
					20,31	21,21	23,26	-	F04210H00400631	●					
					18,56	20,76	22,77	-	F04210H00400181	●					
					18,56	20,76	22,77	-	F04210H00400661	●					
					15,50	20,31	22,28	-	F04210H00400199	●					
					15,50	20,31	22,28	-	F04210H00400691	●					
					78	25,78	26,92	-	F04210H00400146	●					
					108	25,78	26,92	-	F04210H00400602	●					
					78	25,14	26,25	28,81	-	F04210H00400164	●				
					108	25,14	26,25	28,81	-	F04210H00400632	●				
	78	18,56	25,58	28,07	-	F04210H00400182	●								
	108	18,56	25,58	28,07	-	F04210H00400662	●								
	78	15,50	23,95	27,33	-	F04210H00400200	●								
	108	15,50	23,95	27,33	-	F04210H00400692	●								
	78	30,83	32,19	-	-	F04210H00400147	●								
	108	30,83	32,19	-	-	F04210H00400603	●								
	78	29,28	31,30	-	-	F04210H00400165	●								
	108	29,28	31,30	-	-	F04210H00400633	●								
	78	18,56	30,40	-	-	F04210H00400183	●								
	108	18,56	30,40	-	-	F04210H00400663	●								
	78	15,50	23,95	-	-	F04210H00400201	●								
	108	15,50	23,95	-	-	F04210H00400693	●								
	78	35,87	37,46	-	-	F04210H00400148	●								
	108	35,87	37,46	-	-	F04210H00400604	●								
	78	29,28	36,34	-	-	F04210H00400166	●								
	108	29,28	36,34	-	-	F04210H00400634	●								
	78	18,56	35,22	-	-	F04210H00400184	●								
	108	18,56	35,22	-	-	F04210H00400664	●								
	78	15,50	23,95	-	-	F04210H00400202	●								
	108	15,50	23,95	-	-	F04210H00400694	●								
	78	40,91	42,73	-	-	F04210H00400149	●								
	108	40,91	42,73	-	-	F04210H00400605	●								
	78	29,28	41,39	-	-	F04210H00400167	●								
	108	29,28	41,39	-	-	F04210H00400635	●								
	78	18,56	40,05	-	-	F04210H00400185	●								
	108	18,56	40,05	-	-	F04210H00400665	●								
	78	15,50	23,95	-	-	F04210H00400203	●								
	108	15,50	23,95	-	-	F04210H00400695	●								
	78	45,96	48,00	-	-	F04210H00400150	●								
	108	45,96	48,00	-	-	F04210H00400606	●								
	78	29,28	46,43	-	-	F04210H00400168	●								
	108	29,28	46,43	-	-	F04210H00400636	●								
	78	18,56	41,40	-	-	F04210H00400186	●								
	108	18,56	41,40	-	-	F04210H00400666	●								
	78	15,50	23,95	-	-	F04210H00400204	●								
	108	15,50	23,95	-	-	F04210H00400696	●								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



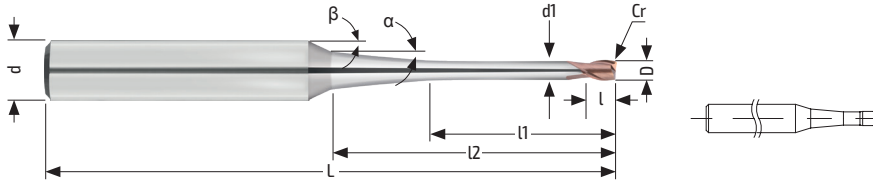
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,30	6,00	10,0	3,90	50,0	0,4	12	78	6	51,00	53,27	-	-	F04210H00400607	●
						0,9				29,28	51,48	-	-	F04210H00400637	●
						1,4				18,56	41,40	-	-	F04210H00400667	●
						1,9				15,50	23,95	-	-	F04210H00400697	●
						0,4				56,04	-	-	-	F04210H00400608	●
						0,9				29,28	56,52	-	-	F04210H00400638	●
						1,4				18,56	41,40	-	-	F04210H00400668	●
						1,9				15,50	23,95	-	-	F04210H00400698	●
						0,4				61,08	-	-	-	F04210H00400609	●
						0,9				29,28	-	-	-	F04210H00400639	●
						1,4				18,56	41,40	-	-	F04210H00400669	●
						1,9				15,50	23,95	-	-	F04210H00400699	●
					0,4	25,96	27,10	-	-	F04210H00400151	●				
					0,9	25,96	27,10	-	-	F04210H00400610	●				
					1,4	25,53	26,66	-	-	F04210H00400169	●				
					1,9	25,53	26,66	-	-	F04210H00400640	●				
					0,4	25,10	26,21	28,76	-	F04210H00400187	●				
					0,9	25,10	26,21	28,76	-	F04210H00400670	●				
					1,4	22,29	25,76	28,26	-	F04210H00400205	●				
					1,9	22,29	25,76	28,26	-	F04210H00400700	●				
					0,4	31,00	32,37	-	-	F04210H00400152	●				
					0,9	31,00	32,37	-	-	F04210H00400611	●				
					1,4	30,36	31,70	-	-	F04210H00400170	●				
					1,9	30,36	31,70	-	-	F04210H00400641	●				
			0,4	26,34	31,03	-	-	F04210H00400188	●						
			0,9	26,34	31,03	-	-	F04210H00400671	●						
			1,4	22,29	30,36	-	-	F04210H00400206	●						
			1,9	22,29	30,36	-	-	F04210H00400701	●						
			0,4	36,04	37,64	-	-	F04210H00400153	●						
			0,9	36,04	37,64	-	-	F04210H00400612	●						
			1,4	35,18	36,75	-	-	F04210H00400171	●						
			1,9	35,18	36,75	-	-	F04210H00400642	●						
			0,4	26,34	35,85	-	-	F04210H00400189	●						
			0,9	26,34	35,85	-	-	F04210H00400672	●						
			1,4	22,29	34,50	-	-	F04210H00400207	●						
			1,9	22,29	34,50	-	-	F04210H00400702	●						
			0,4	41,08	42,91	-	-	F04210H00400154	●						
			0,9	41,08	42,91	-	-	F04210H00400613	●						
			1,4	40,01	41,79	-	-	F04210H00400172	●						
			1,9	40,01	41,79	-	-	F04210H00400643	●						
			0,4	26,34	40,67	-	-	F04210H00400190	●						
			0,9	26,34	40,67	-	-	F04210H00400673	●						
			1,4	22,29	34,50	-	-	F04210H00400208	●						
			1,9	22,29	34,50	-	-	F04210H00400703	●						



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,30	6,00	15,0	3,90	45,0	0,4	12	78	6	46,13	48,18	-	-	F04210H00400155	●
							12	108		46,13	48,18	-	-	F04210H00400614	●
						0,9	12	78		40,53	46,83	-	-	F04210H00400173	●
							12	108		40,53	46,83	-	-	F04210H00400644	●
						1,4	12	78		26,34	45,49	-	-	F04210H00400191	●
							12	108		26,34	45,49	-	-	F04210H00400674	●
						1,9	12	78		22,29	34,50	-	-	F04210H00400209	●
							12	108		22,29	34,50	-	-	F04210H00400704	●
						50,0	0,4	12		51,17	53,45	-	-	F04210H00400615	●
								12		40,53	51,88	-	-	F04210H00400645	●
					0,9		12	26,34		50,31	-	-	F04210H00400675	●	
							50	22,29		34,50	-	-	F04210H00400705	●	
					55,0	0,4	12	56,21		-	-	-	F04210H00400616	●	
							12	40,53		56,92	-	-	F04210H00400646	●	
						0,9	12	26,34		55,13	-	-	F04210H00400676	●	
							50	22,29		34,50	-	-	F04210H00400706	●	
					60,0	0,4	12	61,26		-	-	-	F04210H00400617	●	
							12	40,53		-	-	-	F04210H00400647	●	
						0,9	50	26,34		-	-	-	F04210H00400677	●	
							50	22,29		34,50	-	-	F04210H00400707	●	
					30,0	0,4	12	31,17		32,55	-	-	F04210H00400156	●	
							12	31,17		32,55	-	-	F04210H00400618	●	
						0,9	12	30,74		32,10	-	-	F04210H00400174	●	
							12	30,74		32,10	-	-	F04210H00400648	●	
						1,4	12	30,31		31,66	-	-	F04210H00400192	●	
							108	30,31		31,66	-	-	F04210H00400678	●	
						1,9	12	29,07		31,21	-	-	F04210H00400210	●	
							108	29,07		31,21	-	-	F04210H00400708	●	
						35,0	0,4	12		36,21	37,82	-	-	F04210H00400157	●
								108		36,21	37,82	-	-	F04210H00400619	●
					0,9		12	35,57		37,15	-	-	F04210H00400175	●	
							108	35,57		37,15	-	-	F04210H00400649	●	
					1,4		12	34,12		36,48	-	-	F04210H00400193	●	
							108	34,12		36,48	-	-	F04210H00400679	●	
					1,9		12	29,07		35,81	-	-	F04210H00400211	●	
							108	29,07		35,81	-	-	F04210H00400709	●	
					40,0	0,4	12	41,26		43,09	-	-	F04210H00400158	●	
							108	41,26		43,09	-	-	F04210H00400620	●	
						0,9	12	40,40		42,19	-	-	F04210H00400176	●	
							108	40,40		42,19	-	-	F04210H00400650	●	
						1,4	12	34,12		41,30	-	-	F04210H00400194	●	
							108	34,12		41,30	-	-	F04210H00400680	●	
						1,9	12	29,07		40,40	-	-	F04210H00400212	●	
							108	29,07		40,40	-	-	F04210H00400710	●	
					45,0	0,4	12	46,30		48,36	-	-	F04210H00400159	●	
							108	46,30		48,36	-	-	F04210H00400621	●	
						0,9	12	45,23		47,24	-	-	F04210H00400177	●	
							108	45,23		47,24	-	-	F04210H00400651	●	
						1,4	12	34,12		46,12	-	-	F04210H00400195	●	
							108	34,12		46,12	-	-	F04210H00400681	●	
		1,9	12	29,07		45,00	-	-		F04210H00400213	●				
			108	29,07		45,00	-	-		F04210H00400711	●				



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



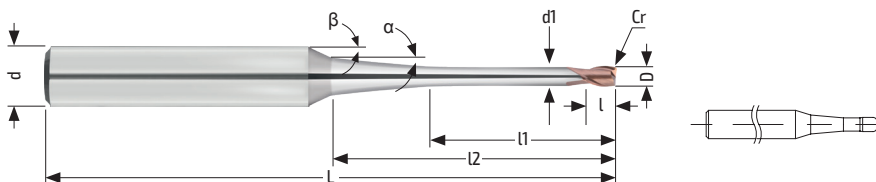
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,30	6,00	20,0	3,90	108	12	6	78	6	51,34	53,62	-	-	F04210H00400622	●
										50,06	52,28	-	-	F04210H00400652	●
										34,12	50,94	-	-	F04210H00400682	●
										29,07	45,05	-	-	F04210H00400712	●
										56,38	-	-	-	F04210H00400623	●
										51,78	57,33	-	-	F04210H00400653	●
										34,12	55,76	-	-	F04210H00400683	●
										29,07	45,05	-	-	F04210H00400713	●
										61,43	-	-	-	F04210H00400624	●
										51,78	-	-	-	F04210H00400654	●
										34,12	-	-	-	F04210H00400684	●
										29,07	45,05	-	-	F04210H00400714	●
			36,38	38,00	-	-	F04210H00400160	●							
			36,38	38,00	-	-	F04210H00400625	●							
			35,96	37,55	-	-	F04210H00400178	●							
			35,96	37,55	-	-	F04210H00400655	●							
			35,53	37,10	-	-	F04210H00400196	●							
			35,53	37,10	-	-	F04210H00400685	●							
			35,10	36,66	-	-	F04210H00400214	●							
			35,10	36,66	-	-	F04210H00400715	●							
			41,43	43,27	-	-	F04210H00400161	●							
			41,43	43,27	-	-	F04210H00400626	●							
			40,78	42,60	-	-	F04210H00400179	●							
			40,78	42,60	-	-	F04210H00400656	●							
			40,14	41,92	-	-	F04210H00400197	●							
			40,14	41,92	-	-	F04210H00400686	●							
			35,86	41,25	-	-	F04210H00400215	●							
			35,86	41,25	-	-	F04210H00400716	●							
			46,47	48,53	-	-	F04210H00400162	●							
			46,47	48,53	-	-	F04210H00400627	●							
			45,61	47,64	-	-	F04210H00400180	●							
			45,61	47,64	-	-	F04210H00400657	●							
			41,90	46,75	-	-	F04210H00400198	●							
			41,90	46,75	-	-	F04210H00400687	●							
			35,86	45,85	-	-	F04210H00400216	●							
			35,86	45,85	-	-	F04210H00400717	●							
			51,51	53,80	-	-	F04210H00400628	●							
			50,44	52,68	-	-	F04210H00400658	●							
			41,90	51,57	-	-	F04210H00400688	●							
			35,86	50,45	-	-	F04210H00400718	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,30	6,00	25,0	3,90	55,0	108	12	6	0,4	56,55	-	-	-	F04210H00400629	●
									0,9	55,27	-	-	-	F04210H00400659	●
									1,4	41,90	56,39	-	-	F04210H00400689	●
									1,9	35,86	55,04	-	-	F04210H00400719	●
									0,4	61,60	-	-	-	F04210H00400630	●
									0,9	60,10	-	-	-	F04210H00400660	●
									1,4	41,90	-	-	-	F04210H00400690	●
									1,9	35,86	55,61	-	-	F04210H00400720	●
									0,4	20,73	21,64	23,72	-	F04210H00400217	●
									0,9	20,73	21,64	23,72	-	F04210H00400721	●
					1,4	20,30	21,19	23,23	-	F04210H00400235	●				
					1,9	20,30	21,19	23,23	-	F04210H00400751	●				
					0,4	18,45	20,74	22,73	-	F04210H00400253	●				
					0,9	18,45	20,74	22,73	-	F04210H00400781	●				
					1,4	15,43	20,30	22,24	-	F04210H00400271	●				
					1,9	15,43	20,30	22,24	-	F04210H00400811	●				
					0,4	78	25,78	26,91	-	F04210H00400218	●				
					0,9	108	25,78	26,91	-	F04210H00400722	●				
					1,4	78	25,13	26,24	28,77	-	F04210H00400236	●			
					1,9	108	25,13	26,24	28,77	-	F04210H00400752	●			
	0,4	78	18,45	25,56	28,03	-	F04210H00400254	●							
	0,9	108	18,45	25,56	28,03	-	F04210H00400782	●							
	1,4	78	15,43	23,73	27,29	-	F04210H00400272	●							
	1,9	108	15,43	23,73	27,29	-	F04210H00400812	●							
	0,4	78	30,82	32,17	-	-	F04210H00400219	●							
	0,9	108	30,82	32,17	-	-	F04210H00400723	●							
	1,4	78	29,03	31,28	-	-	F04210H00400237	●							
	1,9	108	29,03	31,28	-	-	F04210H00400753	●							
	0,4	78	18,45	30,39	-	-	F04210H00400255	●							
	0,9	108	18,45	30,39	-	-	F04210H00400783	●							
	1,4	78	15,43	23,73	-	-	F04210H00400273	●							
	1,9	108	15,43	23,73	-	-	F04210H00400813	●							
	0,4	78	35,86	37,44	-	-	F04210H00400220	●							
	0,9	108	35,86	37,44	-	-	F04210H00400724	●							
	1,4	78	29,03	36,32	-	-	F04210H00400238	●							
	1,9	108	29,03	36,32	-	-	F04210H00400754	●							
	0,4	78	18,45	35,21	-	-	F04210H00400256	●							
	0,9	108	18,45	35,21	-	-	F04210H00400784	●							
	1,4	78	15,43	23,73	-	-	F04210H00400274	●							
	1,9	108	15,43	23,73	-	-	F04210H00400814	●							
	0,4	78	40,90	42,71	-	-	F04210H00400221	●							
	0,9	108	40,90	42,71	-	-	F04210H00400725	●							
	1,4	78	29,03	41,37	-	-	F04210H00400239	●							
	1,9	108	29,03	41,37	-	-	F04210H00400755	●							
	0,4	78	18,45	40,03	-	-	F04210H00400257	●							
	0,9	108	18,45	40,03	-	-	F04210H00400785	●							
	1,4	78	15,43	23,73	-	-	F04210H00400275	●							
	1,9	108	15,43	23,73	-	-	F04210H00400815	●							
	0,4	78	45,95	47,98	-	-	F04210H00400222	●							
	0,9	108	45,95	47,98	-	-	F04210H00400726	●							
	1,4	78	29,03	46,41	-	-	F04210H00400240	●							
	1,9	108	29,03	46,41	-	-	F04210H00400756	●							
	0,4	78	18,45	40,90	-	-	F04210H00400258	●							
	0,9	108	18,45	40,90	-	-	F04210H00400786	●							
	1,4	78	15,43	23,73	-	-	F04210H00400276	●							
	1,9	108	15,43	23,73	-	-	F04210H00400816	●							



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



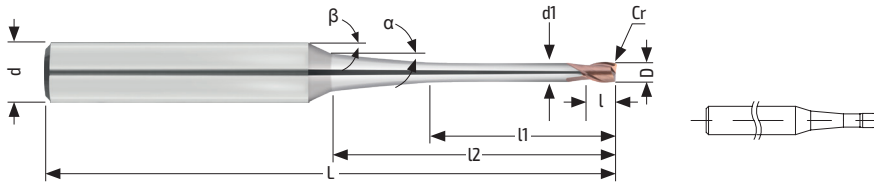
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
4,00	0,50	6,00	10,0	3,90	50,0	0,4	12	6	50,99	53,25	-	-	F04210H00400727	●			
						0,9				29,03	51,46	-	-	F04210H00400757	●		
						1,4				18,45	40,90	-	-	F04210H00400787	●		
						1,9				15,43	23,73	-	-	F04210H00400817	●		
					55,0	0,4				56,03	-	-	-	F04210H00400728	●		
						0,9				29,03	56,50	-	-	F04210H00400758	●		
						1,4				18,45	40,90	-	-	F04210H00400788	●		
						1,9				15,43	23,73	-	-	F04210H00400818	●		
					60,0	0,4				61,08	-	-	-	F04210H00400729	●		
						0,9				29,03	-	-	-	F04210H00400759	●		
						1,4				18,45	40,90	-	-	F04210H00400789	●		
						1,9				15,43	23,73	-	-	F04210H00400819	●		
			25,0	12	6	15,0	3,90	78		0,4	25,95	27,09	-	-	F04210H00400223	●	
										108	25,95	27,09	-	-	F04210H00400730	●	
										78	25,52	26,64	-	-	F04210H00400241	●	
										108	25,52	26,64	-	-	F04210H00400760	●	
								108		0,9	25,52	26,64	-	-	F04210H00400760	●	
										78	25,09	26,19	28,72	-	F04210H00400259	●	
										108	25,09	26,19	28,72	-	F04210H00400790	●	
										78	22,22	25,74	28,23	-	F04210H00400277	●	
								108		108	22,22	25,74	28,23	-	F04210H00400820	●	
										30,0	78	30,99	32,35	-	-	F04210H00400224	●
											108	30,99	32,35	-	-	F04210H00400731	●
											78	30,35	31,68	-	-	F04210H00400242	●
			108	30,35	31,68	-	-	F04210H00400761			●						
			108	78	26,23	31,01	-	-		F04210H00400260	●						
				108	26,23	31,01	-	-		F04210H00400791	●						
				78	22,22	30,34	-	-		F04210H00400278	●						
				108	22,22	30,34	-	-		F04210H00400821	●						
			108	35,0	78	36,03	37,62	-		-	F04210H00400225	●					
					108	36,03	37,62	-		-	F04210H00400732	●					
					78	35,18	36,73	-		-	F04210H00400243	●					
					108	35,18	36,73	-		-	F04210H00400762	●					
			108	40,0	78	26,23	35,83	-		-	F04210H00400261	●					
					108	26,23	35,83	-		-	F04210H00400792	●					
					78	22,22	34,28	-		-	F04210H00400279	●					
					108	22,22	34,28	-		-	F04210H00400822	●					
			108	40,0	78	41,08	42,89	-		-	F04210H00400226	●					
					108	41,08	42,89	-		-	F04210H00400733	●					
					78	40,00	41,77	-		-	F04210H00400244	●					
					108	40,00	41,77	-		-	F04210H00400763	●					
			108	40,0	78	26,23	40,65	-		-	F04210H00400262	●					
					108	26,23	40,65	-		-	F04210H00400793	●					
					78	22,22	34,28	-		-	F04210H00400280	●					
					108	22,22	34,28	-		-	F04210H00400823	●					



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock									
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°											
4,00	0,50	6,00	15,0	3,90	45,0	0,4	12	78	6	46,12	48,16	-	-	F04210H00400227	●									
										108	46,12	48,16	-	-	F04210H00400734	●								
										0,9	78	40,28	46,82	-	-	F04210H00400245	●							
											108	40,28	46,82	-	-	F04210H00400764	●							
										1,4	78	26,23	45,47	-	-	F04210H00400263	●							
											108	26,23	45,47	-	-	F04210H00400794	●							
										1,9	78	22,22	34,28	-	-	F04210H00400281	●							
											108	22,22	34,28	-	-	F04210H00400824	●							
										50,0	0,4	108	50,0	12	78	6	51,16	53,43	-	-	F04210H00400735	●		
																	40,28	51,86	-	-	F04210H00400765	●		
																	26,23	50,30	-	-	F04210H00400795	●		
																	22,22	34,28	-	-	F04210H00400825	●		
										55,0	0,4	108	55,0	12	78	6	56,20	-	-	-	F04210H00400736	●		
																	40,28	56,91	-	-	F04210H00400766	●		
																	26,23	55,12	-	-	F04210H00400796	●		
																	22,22	34,28	-	-	F04210H00400826	●		
										60,0	0,4	108	60,0	12	78	6	61,25	-	-	-	F04210H00400737	●		
																	40,28	-	-	-	F04210H00400767	●		
																	26,23	-	-	-	F04210H00400797	●		
																	22,22	34,28	-	-	F04210H00400827	●		
										30,0	0,4	108	30,0	12	78	6	31,16	32,53	-	-	F04210H00400228	●		
																	108	31,16	32,53	-	-	F04210H00400738	●	
																	0,9	78	30,73	32,09	-	-	F04210H00400246	●
																		108	30,73	32,09	-	-	F04210H00400768	●
																	1,4	78	30,30	31,64	-	-	F04210H00400264	●
																		108	30,30	31,64	-	-	F04210H00400798	●
																	1,9	78	29,00	31,19	-	-	F04210H00400282	●
																		108	29,00	31,19	-	-	F04210H00400828	●
										35,0	0,4	108	35,0	12	78	6	36,20	37,80	-	-	F04210H00400229	●		
																	108	36,20	37,80	-	-	F04210H00400739	●	
																	0,9	78	35,56	37,13	-	-	F04210H00400247	●
																		108	35,56	37,13	-	-	F04210H00400769	●
																	1,4	78	34,01	36,46	-	-	F04210H00400265	●
																		108	34,01	36,46	-	-	F04210H00400799	●
																	1,9	78	29,00	35,79	-	-	F04210H00400283	●
																		108	29,00	35,79	-	-	F04210H00400829	●
										40,0	0,4	108	40,0	12	78	6	41,25	43,07	-	-	F04210H00400230	●		
																	108	41,25	43,07	-	-	F04210H00400740	●	
																	0,9	78	40,39	42,17	-	-	F04210H00400248	●
																		108	40,39	42,17	-	-	F04210H00400770	●
																	1,4	78	34,01	41,28	-	-	F04210H00400266	●
																		108	34,01	41,28	-	-	F04210H00400800	●
																	1,9	78	29,00	40,38	-	-	F04210H00400284	●
																		108	29,00	40,38	-	-	F04210H00400830	●
										45,0	0,4	108	45,0	12	78	6	46,29	48,34	-	-	F04210H00400231	●		
																	108	46,29	48,34	-	-	F04210H00400741	●	
																	0,9	78	45,22	47,22	-	-	F04210H00400249	●
																		108	45,22	47,22	-	-	F04210H00400771	●
																	1,4	78	34,01	46,10	-	-	F04210H00400267	●
																		108	34,01	46,10	-	-	F04210H00400801	●
																	1,9	78	29,00	44,83	-	-	F04210H00400285	●
																		108	29,00	44,83	-	-	F04210H00400831	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels

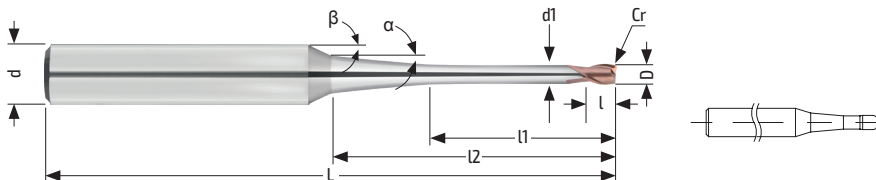


Non ISO  
Not ISO



# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
4,00	0,50	6,00	20,0	3,90	50,0	12	108	6	6	0,4	51,33	53,61	-	-	F04210H00400742	●
										0,9	50,05	52,26	-	-	F04210H00400772	●
										1,4	34,01	50,92	-	-	F04210H00400802	●
										1,9	29,00	44,83	-	-	F04210H00400832	●
										0,4	56,37	-	-	-	F04210H00400743	●
										0,9	51,53	57,31	-	-	F04210H00400773	●
										1,4	34,01	55,74	-	-	F04210H00400803	●
										1,9	29,00	44,83	-	-	F04210H00400833	●
										0,4	61,42	-	-	-	F04210H00400744	●
										0,9	51,53	-	-	-	F04210H00400774	●
										1,4	34,01	-	-	-	F04210H00400804	●
										1,9	29,00	44,83	-	-	F04210H00400834	●
					0,4	78	36,37	37,98	-	-	F04210H00400232	●				
					108	36,37	37,98	-	-	F04210H00400745	●					
					78	35,95	37,53	-	-	F04210H00400250	●					
					108	35,95	37,53	-	-	F04210H00400775	●					
					78	35,52	37,09	-	-	F04210H00400268	●					
					108	35,52	37,09	-	-	F04210H00400805	●					
					78	35,09	36,64	-	-	F04210H00400286	●					
					108	35,09	36,64	-	-	F04210H00400835	●					
					78	41,42	43,25	-	-	F04210H00400233	●					
					108	41,42	43,25	-	-	F04210H00400746	●					
					78	40,78	42,58	-	-	F04210H00400251	●					
					108	40,78	42,58	-	-	F04210H00400776	●					
			78	40,13	41,91	-	-	F04210H00400269	●							
			108	40,13	41,91	-	-	F04210H00400806	●							
			78	35,79	41,23	-	-	F04210H00400287	●							
			108	35,79	41,23	-	-	F04210H00400836	●							
			78	46,46	48,52	-	-	F04210H00400234	●							
			108	46,46	48,52	-	-	F04210H00400747	●							
			78	45,60	47,62	-	-	F04210H00400252	●							
			108	45,60	47,62	-	-	F04210H00400777	●							
			78	41,78	46,73	-	-	F04210H00400270	●							
			108	41,78	46,73	-	-	F04210H00400807	●							
			78	35,79	45,83	-	-	F04210H00400288	●							
			108	35,79	45,83	-	-	F04210H00400837	●							
			0,4	51,50	53,79	-	-	F04210H00400748	●							
			0,9	50,43	52,67	-	-	F04210H00400778	●							
			1,4	41,78	51,55	-	-	F04210H00400808	●							
			1,9	35,79	50,43	-	-	F04210H00400838	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	0,50	6,00	25,0	3,90	55,0	108	12	6	0,4	56,55	-	-	-	F04210H00400749	●
									0,9	55,26	57,71	-	-	F04210H00400779	●
									1,4	41,78	56,37	-	-	F04210H00400809	●
									1,9	35,79	55,03	-	-	F04210H00400839	●
									0,4	61,59	-	-	-	F04210H00400750	●
									0,9	60,09	-	-	-	F04210H00400780	●
									1,4	41,78	-	-	-	F04210H00400810	●
									1,9	35,79	55,38	-	-	F04210H00400840	●
									0,4	20,71	21,59	23,62	-	F04210H00400289	●
									0,9	20,71	21,59	23,62	-	F04210H00400841	●
					1,4	20,28	21,15	23,13	-	F04210H00400307	●				
					1,9	20,28	21,15	23,13	-	F04210H00400871	●				
					0,4	18,18	20,70	22,64	-	F04210H00400325	●				
					0,9	18,18	20,70	22,64	-	F04210H00400901	●				
					1,4	15,25	20,25	22,14	-	F04210H00400343	●				
					1,9	15,25	20,25	22,14	-	F04210H00400931	●				
					0,4	78	25,75	26,86	29,41	-	F04210H00400290	●			
					0,9	108	25,75	26,86	29,41	-	F04210H00400842	●			
					1,4	78	25,11	26,19	28,67	-	F04210H00400308	●			
					1,9	108	25,11	26,19	28,67	-	F04210H00400872	●			
	0,4	78	18,18	25,52	27,93	-	F04210H00400326	●							
	0,9	108	18,18	25,52	27,93	-	F04210H00400902	●							
	1,4	78	15,25	23,17	27,19	-	F04210H00400344	●							
	1,9	108	15,25	23,17	27,19	-	F04210H00400932	●							
	0,4	78	30,80	32,13	-	-	F04210H00400291	●							
	0,9	108	30,80	32,13	-	-	F04210H00400843	●							
	1,4	78	28,40	31,24	-	-	F04210H00400309	●							
	1,9	108	28,40	31,24	-	-	F04210H00400873	●							
	0,4	78	18,18	30,34	-	-	F04210H00400327	●							
	0,9	108	18,18	30,34	-	-	F04210H00400903	●							
	1,4	78	15,25	23,17	-	-	F04210H00400345	●							
	1,9	108	15,25	23,17	-	-	F04210H00400933	●							
	0,4	78	35,84	37,40	-	-	F04210H00400292	●							
	0,9	108	35,84	37,40	-	-	F04210H00400844	●							
	1,4	78	28,40	36,28	-	-	F04210H00400310	●							
	1,9	108	28,40	36,28	-	-	F04210H00400874	●							
	0,4	78	18,18	35,16	-	-	F04210H00400328	●							
	0,9	108	18,18	35,16	-	-	F04210H00400904	●							
	1,4	78	15,25	23,17	-	-	F04210H00400346	●							
	1,9	108	15,25	23,17	-	-	F04210H00400934	●							
	0,4	78	40,88	42,67	-	-	F04210H00400293	●							
	0,9	108	40,88	42,67	-	-	F04210H00400845	●							
	1,4	78	28,40	41,32	-	-	F04210H00400311	●							
	1,9	108	28,40	41,32	-	-	F04210H00400875	●							
	0,4	78	18,18	39,65	-	-	F04210H00400329	●							
	0,9	108	18,18	39,65	-	-	F04210H00400905	●							
	1,4	78	15,25	23,17	-	-	F04210H00400347	●							
	1,9	108	15,25	23,17	-	-	F04210H00400935	●							
	0,4	78	45,93	47,94	-	-	F04210H00400294	●							
	0,9	108	45,93	47,94	-	-	F04210H00400846	●							
	1,4	78	28,40	46,37	-	-	F04210H00400312	●							
	1,9	108	28,40	46,37	-	-	F04210H00400876	●							
	0,4	78	18,18	39,65	-	-	F04210H00400330	●							
	0,9	108	18,18	39,65	-	-	F04210H00400906	●							
	1,4	78	15,25	23,17	-	-	F04210H00400348	●							
	1,9	108	15,25	23,17	-	-	F04210H00400936	●							



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



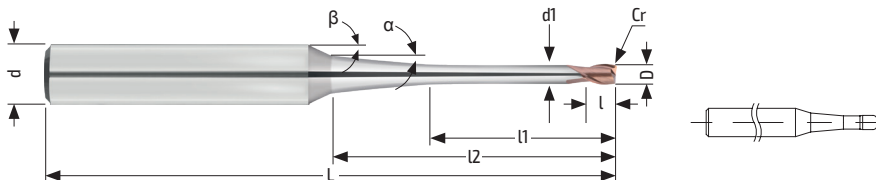
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	1,00	6,00	10,0	3,90	50,0	0,4	12	108	6	50,97	53,20	-	-	F04210H00400847	●
						0,9				28,40	51,41	-	-	F04210H00400877	●
						1,4				18,18	39,65	-	-	F04210H00400907	●
						1,9				15,25	23,17	-	-	F04210H00400937	●
						0,4				56,01	-	-	-	F04210H00400848	●
						0,9				28,40	56,46	-	-	F04210H00400878	●
						1,4				18,18	39,65	-	-	F04210H00400908	●
						1,9				15,25	23,17	-	-	F04210H00400938	●
						0,4				61,05	-	-	-	F04210H00400849	●
						0,9				28,40	-	-	-	F04210H00400879	●
						1,4				18,18	39,65	-	-	F04210H00400909	●
						1,9				15,25	23,17	-	-	F04210H00400939	●
					0,4	25,93	27,04	29,60	-	F04210H00400295	●				
					0,9	25,93	27,04	29,60	-	F04210H00400850	●				
					1,4	25,50	26,59	29,11	-	F04210H00400313	●				
					1,9	25,50	26,59	29,11	-	F04210H00400880	●				
					0,4	25,07	26,15	28,62	-	F04210H00400331	●				
					0,9	25,07	26,15	28,62	-	F04210H00400910	●				
					1,4	22,04	25,70	28,13	-	F04210H00400349	●				
					1,9	22,04	25,70	28,13	-	F04210H00400940	●				
					0,4	30,97	32,31	-	-	F04210H00400296	●				
					0,9	30,97	32,31	-	-	F04210H00400851	●				
					1,4	30,33	31,64	-	-	F04210H00400314	●				
					1,9	30,33	31,64	-	-	F04210H00400881	●				
			0,4	25,95	30,97	-	-	F04210H00400332	●						
			0,9	25,95	30,97	-	-	F04210H00400911	●						
			1,4	22,04	30,30	-	-	F04210H00400350	●						
			1,9	22,04	30,30	-	-	F04210H00400941	●						
			0,4	36,01	37,58	-	-	F04210H00400297	●						
			0,9	36,01	37,58	-	-	F04210H00400852	●						
			1,4	35,15	36,68	-	-	F04210H00400315	●						
			1,9	35,15	36,68	-	-	F04210H00400882	●						
			0,4	25,95	35,79	-	-	F04210H00400333	●						
			0,9	25,95	35,79	-	-	F04210H00400912	●						
			1,4	22,04	33,72	-	-	F04210H00400351	●						
			1,9	22,04	33,72	-	-	F04210H00400942	●						
			0,4	41,05	42,85	-	-	F04210H00400298	●						
			0,9	41,05	42,85	-	-	F04210H00400853	●						
			1,4	39,65	41,73	-	-	F04210H00400316	●						
			1,9	39,65	41,73	-	-	F04210H00400883	●						
			0,4	25,95	40,61	-	-	F04210H00400334	●						
			0,9	25,95	40,61	-	-	F04210H00400913	●						
			1,4	22,04	33,72	-	-	F04210H00400352	●						
			1,9	22,04	33,72	-	-	F04210H00400943	●						



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
4,00	1,00	6,00	15,0	3,90		0,4	12	108	6	78	46,10	48,11	-	-	F04210H00400299	●									
										108	46,10	48,11	-	-	F04210H00400854	●									
										78	39,65	46,77	-	-	F04210H00400317	●									
										108	39,65	46,77	-	-	F04210H00400884	●									
										78	25,95	45,43	-	-	F04210H00400335	●									
										108	25,95	45,43	-	-	F04210H00400914	●									
										78	22,04	33,72	-	-	F04210H00400353	●									
										108	22,04	33,72	-	-	F04210H00400944	●									
										78	51,14	53,38	-	-	F04210H00400855	●									
										108	39,65	51,82	-	-	F04210H00400885	●									
										78	25,95	50,25	-	-	F04210H00400915	●									
										108	22,04	33,72	-	-	F04210H00400945	●									
										78	56,18	-	-	-	F04210H00400856	●									
										108	39,65	56,86	-	-	F04210H00400886	●									
										78	25,95	55,07	-	-	F04210H00400916	●									
										108	22,04	33,72	-	-	F04210H00400946	●									
										78	61,23	-	-	-	F04210H00400857	●									
										108	39,65	-	-	-	F04210H00400887	●									
										78	25,95	57,14	-	-	F04210H00400917	●									
										108	22,04	33,72	-	-	F04210H00400947	●									
										78	31,14	32,49	-	-	F04210H00400300	●									
										108	31,14	32,49	-	-	F04210H00400858	●									
										78	30,71	32,04	-	-	F04210H00400318	●									
										108	30,71	32,04	-	-	F04210H00400888	●									
										78	30,28	31,59	-	-	F04210H00400336	●									
										108	30,28	31,59	-	-	F04210H00400918	●									
										78	28,82	31,15	-	-	F04210H00400354	●									
										108	28,82	31,15	-	-	F04210H00400948	●									
										78	36,18	37,76	-	-	F04210H00400301	●									
										108	36,18	37,76	-	-	F04210H00400859	●									
										78	35,54	37,09	-	-	F04210H00400319	●									
										108	35,54	37,09	-	-	F04210H00400889	●									
										78	33,73	36,41	-	-	F04210H00400337	●									
										108	33,73	36,41	-	-	F04210H00400919	●									
										78	28,82	35,74	-	-	F04210H00400355	●									
										108	28,82	35,74	-	-	F04210H00400949	●									
										78	41,23	43,02	-	-	F04210H00400302	●									
										108	41,23	43,02	-	-	F04210H00400860	●									
										78	40,37	42,13	-	-	F04210H00400320	●									
										108	40,37	42,13	-	-	F04210H00400890	●									
										78	33,73	41,24	-	-	F04210H00400338	●									
										108	33,73	41,24	-	-	F04210H00400920	●									
										78	28,82	40,34	-	-	F04210H00400356	●									
										108	28,82	40,34	-	-	F04210H00400950	●									
										78	46,27	48,29	-	-	F04210H00400303	●									
										108	46,27	48,29	-	-	F04210H00400861	●									
										78	45,20	47,17	-	-	F04210H00400321	●									
										108	45,20	47,17	-	-	F04210H00400891	●									
										78	33,73	46,06	-	-	F04210H00400339	●									
										108	33,73	46,06	-	-	F04210H00400921	●									
			78							28,82	44,28	-	-	F04210H00400357	●										
			108							28,82	44,28	-	-	F04210H00400951	●										
			20,0												0,4	12	108	6	78	46,10	48,11	-	-	F04210H00400299	●
																			108	46,10	48,11	-	-	F04210H00400854	●
																			78	39,65	46,77	-	-	F04210H00400317	●
																			108	39,65	46,77	-	-	F04210H00400884	●
																			78	25,95	45,43	-	-	F04210H00400335	●
																			108	25,95	45,43	-	-	F04210H00400914	●
																			78	22,04	33,72	-	-	F04210H00400353	●
																			108	22,04	33,72	-	-	F04210H00400944	●
																			78	51,14	53,38	-	-	F04210H00400855	●
																			108	39,65	51,82	-	-	F04210H00400885	●
																			78	25,95	50,25	-	-	F04210H00400915	●
																			108	22,04	33,72	-	-	F04210H00400945	●
																			78	56,18	-	-	-	F04210H00400856	●
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																			78	25,95	55,07	-	-	F04210H00400916	●
																			108	22,04	33,72	-	-	F04210H00400946	●
																			78	61,23	-	-	-	F04210H00400857	●
																			108	39,65	-	-	-	F04210H00400887	●
																			78	25,95	57,14	-	-	F04210H00400917	●
																			108	22,04	33,72	-	-	F04210H00400947	●
																			78	31,14	32,49	-	-	F04210H00400300	●
																			108	31,14	32,49	-	-	F04210H00400858	●
																			78	30,71	32,04	-	-	F04210H00400318	●
																			108	30,71	32,04	-	-	F04210H00400888	●
																			78	30,28	31,59	-	-	F04210H00400336	●
																			108	30,28	31,59	-	-	F04210H00400918	●
																			78	28,82	31,15	-	-	F04210H00400354	●
																			108	28,82	31,15	-	-	F04210H00400948	●
																			78	36,18	37,76	-	-	F04210H00400301	●
																			108	36,18	37,76	-	-	F04210H00400859	●
																			78	35,54	37,09	-	-	F04210H00400319	●
																			108	35,54	37,09	-	-	F04210H00400889	●
																			78	33,73	36,41	-	-	F04210H00400337	●
																			108	33,73	36,41	-	-	F04210H00400919	●
																			78	28,82	35,74	-	-	F04210H00400355	●
																			108	28,82	35,74	-	-	F04210H00400949	●
																			78	41,23	43,02	-	-	F04210H00400302	●
																			108	41,23	43,02	-	-	F04210H00400860	●
																			78	40,37	42,13	-	-	F04210H00400320	●
																			108	40,37	42,13	-	-	F04210H00400890	●
																			78	33,73	41,24	-	-	F04210H00400338	●
																			108	33,73	41,24	-	-	F04210H00400920	●
																			78	28,82	40,34	-	-	F04210H00400356	●
																			108	28,82	40,34	-	-	F04210H00400950	●
																			78	46,27	48,29	-	-	F04210H00400303	●
																			108	46,27	48,29	-	-	F04210H00400861	●
																			78	45,20	47,17	-	-	F04210H00400321	●
																			108	45,20	47,17	-	-	F04210H00400891	●
78	33,73	46,06		-	-	F04210H00400339	●																		
108	33,73	46,06		-	-	F04210H00400921	●																		
78	28,82	44,28	-	-	F04210H00400357	●																			
108	28,82	44,28	-	-	F04210H00400951	●																			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



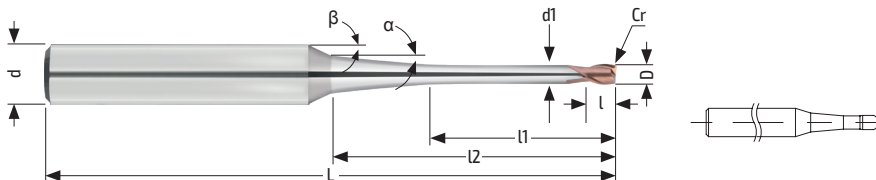
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 04210

Fresa 2 taglienti torica per nervature con collarino conico e gambo rinforzato  
 2 flute corner radius end mill for deep milling with tapered neck and reinforced shank  
 Zweischneidige torische Fräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise torique à deux dents pour nervures, queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
4,00	1,00	6,00	20,0	3,90	108	12	6	78	6	51,31	53,56	-	-	F04210H00400862	●			
										50,03	52,22	-	-	F04210H00400892	●			
										33,73	50,88	-	-	F04210H00400922	●			
										28,82	44,28	-	-	F04210H00400952	●			
										56,35	-	-	-	F04210H00400863	●			
										50,90	57,26	-	-	F04210H00400893	●			
										33,73	55,70	-	-	F04210H00400923	●			
										28,82	44,28	-	-	F04210H00400953	●			
										61,40	-	-	-	F04210H00400864	●			
										50,90	-	-	-	F04210H00400894	●			
										33,73	-	-	-	F04210H00400924	●			
										28,82	44,28	-	-	F04210H00400954	●			
			36,35	37,94	-	-	F04210H00400304	●										
			36,35	37,94	-	-	F04210H00400865	●										
			35,93	37,49	-	-	F04210H00400322	●										
			35,93	37,49	-	-	F04210H00400895	●										
			35,50	37,04	-	-	F04210H00400340	●										
			35,50	37,04	-	-	F04210H00400925	●										
			35,07	36,59	-	-	F04210H00400358	●										
			35,07	36,59	-	-	F04210H00400955	●										
			41,40	43,20	-	-	F04210H00400305	●										
			41,40	43,20	-	-	F04210H00400866	●										
			40,75	42,53	-	-	F04210H00400323	●										
			40,75	42,53	-	-	F04210H00400896	●										
			40,11	41,86	-	-	F04210H00400341	●										
			40,11	41,86	-	-	F04210H00400926	●										
			35,61	41,19	-	-	F04210H00400359	●										
			35,61	41,19	-	-	F04210H00400956	●										
			46,44	48,47	-	-	F04210H00400306	●										
			46,44	48,47	-	-	F04210H00400867	●										
			45,58	47,58	-	-	F04210H00400324	●										
			45,58	47,58	-	-	F04210H00400897	●										
			41,51	46,68	-	-	F04210H00400342	●										
			41,51	46,68	-	-	F04210H00400927	●										
			35,61	45,79	-	-	F04210H00400360	●										
			35,61	45,79	-	-	F04210H00400957	●										
			51,48	53,74	-	-	F04210H00400868	●										
			50,41	52,62	-	-	F04210H00400898	●										
			41,51	51,50	-	-	F04210H00400928	●										
			35,61	50,38	-	-	F04210H00400958	●										
			25,0	3,90	108	108	108	108	108	108	108	108	51,48	53,74	-	-	F04210H00400868	●
													50,41	52,62	-	-	F04210H00400898	●
													41,51	51,50	-	-	F04210H00400928	●
													35,61	50,38	-	-	F04210H00400958	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04210



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	1,00	6,00	25,0	3,90	55,0	0,4	12	108	6	56,52	-	-	-	F04210H00400869	●
						0,9				55,24	57,67	-	-	F04210H00400899	●
						1,4				41,51	56,32	-	-	F04210H00400929	●
						1,9				35,61	54,83	-	-	F04210H00400959	●
					60,0	0,4				61,57	-	-	-	F04210H00400870	●
						0,9				60,07	-	-	-	F04210H00400900	●
						1,4				41,51	-	-	-	F04210H00400930	●
						1,9				35,61	54,83	-	-	F04210H00400960	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



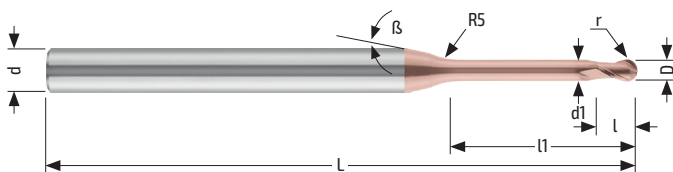
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

# 07220

Fresa 2 taglienti semisferica per nervature  
 2 flute ball nose end mill for ribbing  
 Zweischneidige Kugelfräser für Rippenbearbeitung  
 Fraise hémisphérique à deux dents pour nervures



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,50	0,25	0,35	1,0	0,45	12,0	50	4	1,61	1,71	1,91	2,10	F07220H00050001	●
			2,0					2,68	2,83	3,11	3,36	F07220H00050002	●
			3,0					3,74	3,94	4,28	4,57	F07220H00050003	●
			4,0					4,80	5,04	5,42	5,74	F07220H00050004	●
			5,0					5,86	6,12	6,55	6,90	F07220H00050005	●
			6,0					6,91	7,20	7,66	8,04	F07220H00050006	●
			8,0					9,00	9,34	9,87	10,28	F07220H00050007	●
			10,0					11,09	11,47	12,04	12,50	F07220H00050008	●
0,60	0,30	0,40	2,0	0,55	12,0	50	4	2,67	2,83	3,10	3,35	F07220H00060001	●
			3,0					3,74	3,94	4,27	4,56	F07220H00060005	●
			4,0					4,80	5,03	5,41	5,73	F07220H00060002	●
			5,0					5,85	6,12	6,54	6,89	F07220H00060006	●
			6,0					6,91	7,20	7,66	8,03	F07220H00060003	●
			8,0					9,00	9,34	9,86	10,28	F07220H00060004	●
			10,0					11,08	11,47	12,04	12,49	F07220H00060007	●
			12,0					13,16	13,58	14,19	14,67	F07220H00060008	●
0,80	0,40	0,50	2,0	0,75	12,0	50	4	2,66	2,82	3,08	3,33	F07220H00080001	●
			3,0					3,73	3,93	4,25	4,54	F07220H00080006	●
			4,0					4,79	5,02	5,40	5,72	F07220H00080002	●
			5,0					5,85	6,11	6,53	6,88	F07220H00080007	●
			6,0					6,90	7,19	7,64	8,02	F07220H00080003	●
			8,0					9,00	9,33	9,85	10,27	F07220H00080004	●
			10,0					11,08	11,46	12,03	12,48	F07220H00080005	●
			12,0					13,16	13,58	14,19	14,67	F07220H00080008	●
1,00	0,50	0,80	2,0	0,95	12,0	50	4	2,66	2,81	3,07	3,30	F07220H00100001	●
			4,0					4,79	5,01	5,39	5,70	F07220H00100002	●
			5,0					5,84	6,10	6,52	6,86	F07220H00100011	●
			6,0					6,90	7,18	7,63	8,00	F07220H00100003	●
			8,0					8,99	9,33	9,84	10,25	F07220H00100004	●
			10,0					11,08	11,45	12,02	12,47	F07220H00100005	●
			12,0			13,16		13,57	14,19	14,66	F07220H00100006	●	
			14,0			15,23		15,68	16,33	16,84	F07220H00100007	●	
			15,0			16,26		16,73	17,40	17,92	F07220H00100012	●	
			16,0			17,30		17,78	18,47	18,99	F07220H00100008	●	
			18,0			19,36		19,87	20,60	21,14	F07220H00100009	●	
			20,0			21,43		21,96	22,71	23,27	F07220H00100010	●	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



07220



D +0/-0,02	Cr/r	l	l1	d1	β	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock							
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°									
1,20	0,60	1,00	1,15	2,0	12,0	50	4	2,65	2,79	3,05	3,28	F07220H00120001	●							
				4,0				4,78	5,00	5,37	5,68	F07220H00120002	●							
				5,0				5,84	6,09	6,50	6,85	F07220H00120003	●							
				6,0				6,89	7,17	7,62	7,99	F07220H00120004	●							
				8,0				8,99	9,32	9,83	10,24	F07220H00120005	●							
				10,0				11,07	11,45	12,01	12,46	F07220H00120006	●							
				12,0				13,15	13,57	14,18	14,65	F07220H00120007	●							
				14,0				15,23	15,67	16,33	16,83	F07220H00120008	○							
				15,0				16,26	16,72	17,40	17,91	F07220H00120009	○							
				16,0				17,30	17,77	18,46	18,99	F07220H00120010	○							
				18,0				19,36	19,87	20,59	21,13	F07220H00120011	○							
				20,0				21,42	21,95	22,71	23,27	F07220H00120012	○							
				1,50				0,75	1,35	1,45	4,0	12,0	50	4	4,77	4,99	5,35	5,66	F07220H00150001	●
											5,0				5,83	6,08	6,49	6,82	F07220H00150006	●
6,0	6,88	7,16	7,61		7,97	F07220H00150007	●													
8,0	8,98	9,31	9,82		10,23	F07220H00150002	●													
10,0	11,07	11,44	12,00		12,45	F07220H00150008	●													
12,0	13,15	13,56	14,17		14,64	F07220H00150003	●													
14,0	15,22	15,67	16,32		16,82	F07220H00150009	●													
15,0	16,26	16,72	17,39		17,90	F07220H00150004	●													
16,0	17,29	17,77	18,45		18,97	F07220H00150010	○													
18,0	19,36	19,86	20,58		21,12	F07220H00150011	○													
20,0	21,42	21,95	22,70		23,26	F07220H00150005	○													
22,0	23,48	24,03	24,81		25,38	F07220H00150012	○													
24,0	25,53	26,11	26,92		27,50	F07220H00150013	○													
25,0	26,56	27,15	27,97		28,55	F07220H00150014	○													
2,00	1,00	1,70	1,90	4,0	12,0	50	4	4,91	5,10	5,42	5,70	F07220H00200001	●							
				5,0				5,96	6,18	6,54	6,86	F07220H00200006	●							
				6,0				7,01	7,25	7,66	8,00	F07220H00200007	●							
				8,0				9,09	9,39	9,86	10,25	F07220H00200002	●							
				10,0				11,17	11,51	12,04	12,47	F07220H00200008	●							
				12,0				13,24	13,62	14,20	14,66	F07220H00200003	●							
				14,0				15,31	15,73	16,35	16,83	F07220H00200009	●							
				15,0				16,34	16,77	17,42	17,92	F07220H00200010	●							
				16,0				17,38	17,82	18,48	18,99	F07220H00200004	●							
				18,0				19,44	19,91	20,61	21,14	F07220H00200011	●							
				20,0				21,50	22,00	22,73	23,27	F07220H00200005	●							
				22,0				23,55	24,08	24,84	25,40	F07220H00200012	○							
				24,0				25,61	26,16	26,94	27,51	F07220H00200013	○							
				25,0				26,63	27,19	27,99	28,57	F07220H00200014	○							
2,50	1,25	2,10	2,40	6,0	12,0	60	4	7,00	7,23	7,63	7,97	F07220H00250005	●							
				8,0				9,08	9,37	9,84	10,22	F07220H00250001	●							
				10,0				11,16	11,50	12,02	12,44	F07220H00250006	●							
				12,0				13,23	13,61	14,18	14,64	F07220H00250002	●							
				14,0				15,30	15,71	16,33	16,81	F07220H00250007	●							
				15,0				16,34	16,76	17,40	17,90	F07220H00250008	●							
				16,0				17,37	17,81	18,47	18,97	F07220H00250003	●							
				18,0				19,43	19,90	20,60	21,12	F07220H00250009	●							
				20,0				21,49	21,99	22,71	23,26	F07220H00250004	●							
				22,0				23,54	24,07	24,82	25,38	F07220H00250010	○							
				24,0				25,60	26,15	26,93	27,50	F07220H00250011	○							
				25,0				26,63	27,19	27,98	28,55	F07220H00250012	○							



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO



**06220**

Fresa 2 taglienti semisferica per nervature con gambo rinforzato

2 flute ball nose end mill for ribbing with reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

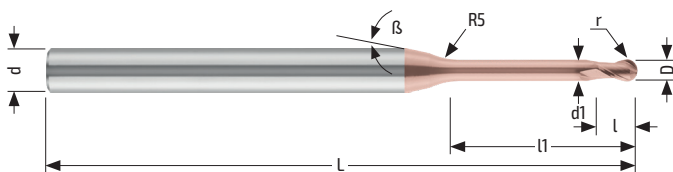


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,50	0,25	0,35	1,0	0,45	12	50	6	1,61	1,71	1,91	2,10	F06220H00050001	●
			2,0					2,68	2,83	3,11	3,36	F06220H00050002	●
			3,0					3,74	3,94	4,28	4,57	F06220H00050003	●
			4,0					4,80	5,04	5,42	5,74	F06220H00050004	●
			5,0					5,86	6,12	6,55	6,90	F06220H00050005	●
			6,0					6,91	7,20	7,66	8,04	F06220H00050006	●
			8,0					9,00	9,34	9,87	10,28	F06220H00050007	○
			10,0					11,09	11,47	12,04	12,50	F06220H00050008	○
			2,0					2,67	2,82	3,10	3,35	F06220H00060001	●
			3,0					3,74	3,94	4,27	4,56	F06220H00060002	●
4,0	4,80	5,03	5,41	5,73	F06220H00060003	●							
5,0	5,85	6,12	6,54	6,89	F06220H00060004	●							
6,0	6,91	7,20	7,66	8,03	F06220H00060005	●							
8,0	9,00	9,34	9,86	10,28	F06220H00060006	○							
10,0	11,08	11,47	12,04	12,49	F06220H00060007	○							
12,0	13,16	13,58	14,19	14,67	F06220H00080008	○							
0,60	0,30	0,40	2,0	0,55	12	50	6	2,67	2,82	3,08	3,33	F06220H00080001	●
			3,0					3,73	3,93	4,25	4,54	F06220H00080002	●
			4,0					4,79	5,02	5,40	5,72	F06220H00080003	●
			5,0					5,85	6,11	6,53	6,88	F06220H00080004	●
			6,0					6,90	7,19	7,64	8,02	F06220H00080005	●
			8,0					9,00	9,33	9,85	10,27	F06220H00080006	●
			10,0					11,08	11,46	12,03	12,48	F06220H00080007	○
			12,0					13,16	13,58	14,19	14,67	F06220H00080008	○
			2,0					2,66	2,81	3,07	3,30	F06220H00100001	●
			4,0					4,79	5,01	5,39	5,70	F06220H00100002	●
5,0	5,84	6,10	6,52	6,86	F06220H00100011	●							
6,0	6,90	7,18	7,63	8,00	F06220H00100003	●							
8,0	8,99	9,33	9,84	10,25	F06220H00100004	●							
10,0	11,08	11,45	12,02	12,47	F06220H00100005	●							
12,0	13,16	13,57	14,19	14,66	F06220H00100006	●							
14,0	15,23	15,68	16,33	16,84	F06220H00100007	○							
15,0	16,26	16,73	17,40	17,92	F06220H00100012	○							
16,0	17,30	17,78	18,47	18,99	F06220H00100008	○							
20,0	21,43	21,96	22,71	23,27	F06220H00100010	○							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



06220



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,20	0,60	1,00	1,15	2,0	12	50	6	2,65	2,79	3,05	3,28	F06220H00120001	●
				4,0				4,78	5,00	5,37	5,68	F06220H00120002	●
				5,0				5,84	6,09	6,50	6,85	F06220H00120003	●
				6,0				6,89	7,17	7,62	7,99	F06220H00120004	●
				8,0				8,99	9,32	9,83	10,24	F06220H00120005	●
				10,0				11,07	11,45	12,01	12,46	F06220H00120006	●
				12,0				13,15	13,57	14,18	14,65	F06220H00120007	●
				14,0				15,23	15,67	16,33	16,83	F06220H00120008	●
				15,0				16,26	16,72	17,40	17,91	F06220H00120009	●
				16,0				17,30	17,77	18,46	18,99	F06220H00120010	●
				18,0				19,36	19,87	20,59	21,13	F06220H00120011	●
				20,0				21,42	21,95	22,71	23,27	F06220H00120012	●
1,50	0,75	1,35	1,45	4,0	15	50	6	4,77	4,99	5,35	5,66	F06220H00150001	●
				5,0				5,83	6,08	6,49	6,82	F06220H00150006	●
				6,0				6,88	7,16	7,61	7,97	F06220H00150007	●
				8,0				8,98	9,31	9,82	10,23	F06220H00150002	●
				10,0				11,07	11,44	12,00	12,45	F06220H00150008	●
				12,0				13,15	13,56	14,17	14,64	F06220H00150003	●
				14,0				15,22	15,67	16,32	16,82	F06220H00150009	●
				15,0				16,26	16,72	17,39	17,90	F06220H00150004	●
				16,0				17,29	17,77	18,45	18,97	F06220H00150010	●
				18,0				19,36	19,86	20,58	21,12	F06220H00150011	●
				20,0				21,42	21,95	22,70	23,26	F06220H00150005	●
				22,0				23,48	24,03	24,81	25,38	F06220H00150012	●
2,00	1,00	1,70	1,90	4,0	20	50	6	4,91	5,10	5,42	5,70	F06220H00200001	●
				5,0				5,96	6,18	6,54	6,86	F06220H00200006	●
				6,0				7,01	7,25	7,66	8,00	F06220H00200007	●
				8,0				9,09	9,39	9,86	10,25	F06220H00200002	●
				10,0				11,17	11,51	12,04	12,47	F06220H00200008	●
				12,0				13,24	13,62	14,20	14,66	F06220H00200003	●
				14,0				15,31	15,73	16,35	16,83	F06220H00200009	●
				15,0				16,34	16,77	17,42	17,92	F06220H00200010	●
				16,0				17,38	17,82	18,48	18,99	F06220H00200004	●
				18,0				19,44	19,91	20,61	21,14	F06220H00200011	●
				20,0				21,50	22,00	22,73	23,27	F06220H00200005	●
				22,0				23,55	24,08	24,84	25,40	F06220H00200012	●
2,50	1,25	2,10	2,40	6,0	20	60	6	7,00	7,23	7,63	7,97	F06220H00250005	●
				8,0				9,08	9,37	9,84	10,22	F06220H00250001	●
				10,0				11,16	11,50	12,02	12,44	F06220H00250006	●
				12,0				13,23	13,61	14,18	14,64	F06220H00250002	●
				14,0				15,30	15,71	16,33	16,81	F06220H00250007	●
				15,0				16,34	16,76	17,40	17,90	F06220H00250008	●
				16,0				17,37	17,81	18,47	18,97	F06220H00250003	●
				18,0				19,43	19,90	20,60	21,12	F06220H00250009	●
				20,0				21,49	21,99	22,71	23,26	F06220H00250004	●
				22,0				23,54	24,07	24,82	25,38	F06220H00250010	●
				24,0				25,60	26,15	26,93	27,50	F06220H00250011	●
				25,0				26,63	27,19	27,98	28,55	F06220H00250012	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

06220

Fresa 2 taglienti semisferica per nervature con gambo rinforzato

2 flute ball nose end mill for ribbing with reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

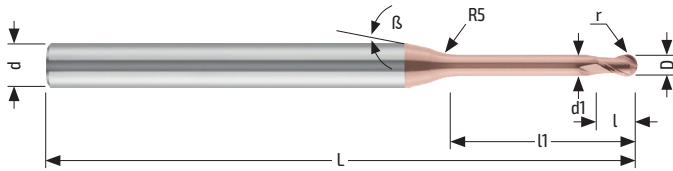


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	β°	L	d h6	Lunghezze effettive				Balinit® Tisaflex	Stock
								ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	1,50	2,50	8,0	2,90	12	60	6	9,07	9,36	9,82	10,20	F06220H00300001	●
			10,0					11,15	11,48	12,00	12,42	F06220H00300004	●
			12,0					13,22	13,60	14,17	14,62	F06220H00300002	●
			14,0					15,29	15,70	16,32	16,79	F06220H00300006	●
			16,0					17,36	17,80	18,45	18,96	F06220H00300003	●
			18,0					19,42	19,89	20,58	21,10	F06220H00300007	●
			20,0					21,48	21,98	22,70	23,24	F06220H00300008	●
			22,0					23,54	24,06	24,81	25,37	F06220H00300009	●
			25,0					26,62	27,18	27,97	28,54	F06220H00300010	●
			28,0					29,70	30,29	31,11	31,70	F06220H00300011	●
			30,0					31,74	32,35	33,20	33,80	F06220H00300005	●
			32,0					33,79	34,42	35,29	35,89	F06220H00300012	●
			35,0					36,86	37,52	38,41	39,01	F06220H00300013	●



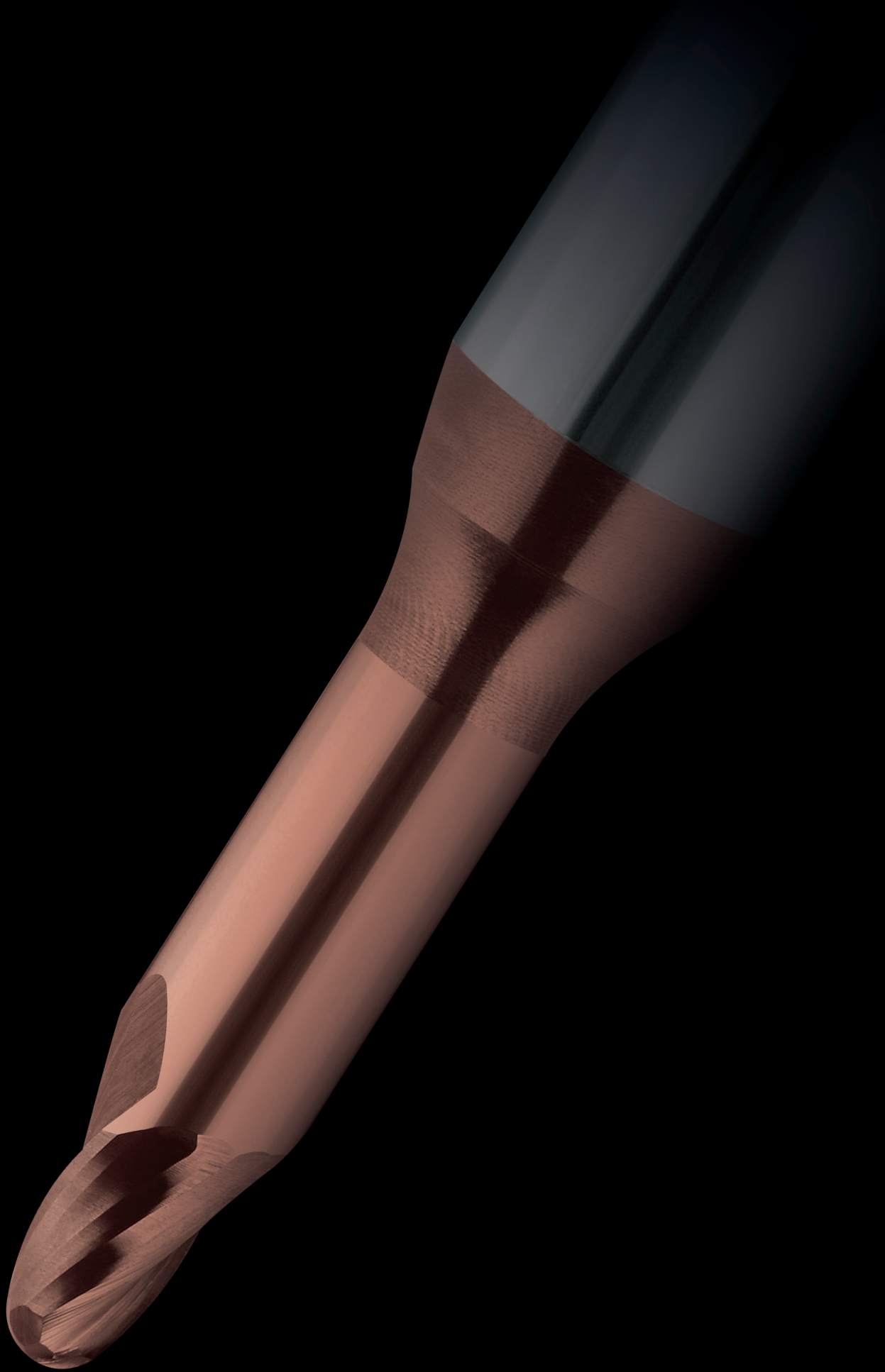
- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



06220



**05220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

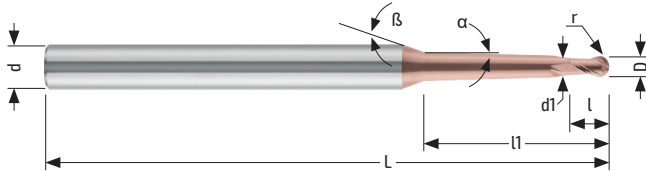
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,50	0,25	0,35	2,0	0,45	0,4	15	50	6	2,11	2,17	2,32	2,48	F05220H00050003	●
					2,05				2,11	2,25	2,42	F05220H00050011	●	
					1,99				2,06	2,19	2,35	F05220H00050017	●	
					1,40				2,00	2,13	2,28	F05220H00050025	●	
					0,9				1,9	2,00	2,13	F05220H00050026	●	
					0,4				1,4	1,40	2,05	4,14	4,46	F05220H00050026
			0,9		0,9				4,00	4,13	4,42	4,76	F05220H00050012	●
			1,4		1,4				1,99	4,00	4,28	4,61	F05220H00050018	●
			1,9		1,9				1,40	2,05	4,14	4,46	F05220H00050026	●
			0,4		0,4				5,13	5,30	5,67	6,12	F05220H00050001	●
			0,9		0,9				4,05	5,13	5,50	5,93	F05220H00050002	●
			1,4		1,4				1,99	4,17	5,33	5,74	F05220H00050019	●
			1,9		1,9				1,40	2,05	5,15	5,55	F05220H00050027	●
			0,4		0,4				6,13	6,34	6,79	7,33	F05220H00050007	●
			0,9		0,9				4,05	6,14	6,58	7,10	F05220H00050013	●
			1,4		1,4				1,99	4,17	6,37	6,87	F05220H00050020	●
			1,9		1,9				1,40	2,05	6,16	6,64	F05220H00050028	●
			0,4		0,4				8,15	8,42	9,03	9,75	F05220H00050010	●
			0,9		0,9				4,05	8,16	8,75	9,44	F05220H00050016	●
			1,4		1,4				1,99	4,17	8,46	9,13	F05220H00050024	●
			1,9		1,9				1,40	2,05	8,17	8,82	F05220H00050032	●
			0,4		0,4				10,16	10,51	11,27	12,17	F05220H00050004	●
			0,9		0,9				4,05	10,17	10,91	11,78	F05220H00050005	●
			1,4		1,4				1,99	4,17	10,55	11,39	F05220H00050021	●
1,9	1,9	1,40	2,05	10,19	11,00	F05220H00050029	●							
0,4	0,4	12,17	12,59	13,51	14,59	F05220H00050008	●							
0,9	0,9	4,05	12,18	13,08	14,12	F05220H00050014	●							
1,4	1,4	1,99	4,17	12,64	13,65	F05220H00050022	●							
1,9	1,9	1,40	2,05	12,20	13,17	F05220H00050030	●							
0,4	0,4	14,13	14,48	15,24	16,08	F05220H00050009	●							
0,9	0,9	4,05	14,14	14,88	15,70	F05220H00050015	●							
1,4	1,4	1,99	4,17	14,52	15,32	F05220H00050023	●							
1,9	1,9	1,40	2,05	14,15	14,93	F05220H00050031	●							
0,4	0,4	2,11	2,17	2,31	2,47	F05220H00060007	●							
0,9	0,9	2,05	2,11	2,25	2,41	F05220H00060013	●							
1,4	1,4	2,00	2,06	2,19	2,34	F05220H00060019	●							
1,9	1,9	1,45	2,00	2,13	2,28	F05220H00060028	●							
0,4	0,4	4,12	4,25	4,55	4,89	F05220H00060008	●							
0,9	0,9	4,00	4,13	4,41	4,75	F05220H00060014	●							
1,4	1,4	2,04	4,00	4,28	4,60	F05220H00060020	●							
1,9	1,9	1,45	2,10	4,14	4,46	F05220H00060029	●							

- Disponibilità pronta consegna / Available for prompt delivery
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05220



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
0,60	0,30	0,40	5,0	0,55	15	50	6	5,13	5,29	5,67	6,10	F05220H00060001	●	
								4,10	5,13	5,50	5,92	F05220H00060002	●	
								2,04	4,22	5,32	5,73	F05220H00060021	●	
								1,45	2,10	5,15	5,55	F05220H00060030	●	
								0,4	6,13	6,34	6,79	7,32	F05220H00060009	●
								0,9	4,10	6,14	6,58	7,09	F05220H00060015	●
								1,4	2,04	4,22	6,37	6,86	F05220H00060022	●
								1,9	1,45	2,10	6,16	6,64	F05220H00060031	●
								0,4	8,15	8,42	9,03	9,74	F05220H00060010	●
								0,9	4,10	8,15	8,74	9,43	F05220H00060016	●
								1,4	2,04	4,22	8,46	9,12	F05220H00060023	●
								1,9	1,45	2,10	8,17	8,81	F05220H00060032	●
			0,4					10,16	10,50	11,27	12,16	F05220H00060003	●	
			0,9					4,10	10,17	10,91	11,77	F05220H00060004	●	
			1,4					2,04	4,22	10,55	11,38	F05220H00060024	●	
			1,9					1,45	2,10	10,19	10,99	F05220H00060033	●	
			0,4					12,17	12,59	13,51	14,58	F05220H00060011	●	
			0,9					4,10	12,18	13,07	14,11	F05220H00060017	●	
			1,4					2,04	4,22	12,64	13,64	F05220H00060025	●	
			1,9					1,45	2,10	12,20	13,17	F05220H00060034	●	
			0,4					14,13	14,48	15,24	16,07	F05220H00060012	●	
			0,9					4,10	14,14	14,88	15,69	F05220H00060018	●	
			1,4					2,04	4,22	14,51	15,31	F05220H00060026	●	
			1,9					1,45	2,10	14,15	14,93	F05220H00060035	●	
			0,4					15,14	15,51	16,32	17,22	F05220H00060005	●	
			0,9					4,10	15,15	15,93	16,81	F05220H00060006	●	
			1,4					2,04	4,22	15,55	16,40	F05220H00060027	●	
			1,9					1,45	2,10	15,16	15,99	F05220H00060036	●	
			0,4					4,15	4,32	4,71	5,18	F05220H00080003	●	
			0,9					4,00	4,16	4,53	4,99	F05220H00080015	●	
			1,4					2,14	4,01	4,36	4,80	F05220H00080023	●	
			1,9					1,55	2,20	4,19	4,60	F05220H00080034	●	
			0,4					5,16	5,37	5,86	6,46	F05220H00080001	●	
			0,9					4,20	5,17	5,64	6,22	F05220H00080002	●	
			1,4					2,14	4,32	5,42	5,97	F05220H00080024	●	
			1,9					1,55	2,20	5,20	5,72	F05220H00080035	●	
			0,4					6,17	6,43	7,02	7,74	F05220H00080006	●	
			0,9					4,20	6,18	6,75	7,44	F05220H00080016	●	
			1,4					2,14	4,32	6,48	7,14	F05220H00080025	●	
			1,9					1,55	2,20	6,21	6,84	F05220H00080036	●	
			0,4					8,19	8,53	9,34	10,31	F05220H00080009	●	
			0,9					4,20	8,20	8,97	9,90	F05220H00080017	●	
			1,4					2,14	4,32	8,60	9,49	F05220H00080026	●	
			1,9					1,55	2,20	8,23	9,08	F05220H00080037	●	
			0,4					10,20	10,64	11,65	12,88	F05220H00080004	●	
			0,9					4,20	10,22	11,18	12,36	F05220H00080005	●	
			1,4					2,14	4,32	10,72	11,84	F05220H00080027	●	
			1,9					1,55	2,20	10,25	11,32	F05220H00080038	●	
0,4	12,17	12,58	13,50	14,56	F05220H00080010	●								
0,9	4,20	12,18	13,07	14,09	F05220H00080018	●								
1,4	2,14	4,32	12,63	13,63	F05220H00080028	●								
1,9	1,55	2,20	12,20	13,16	F05220H00080039	●								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

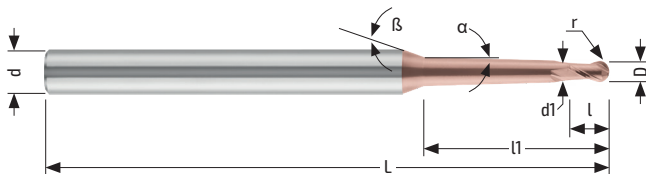
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
0,80	0,40	0,50	14,0	0,75	15	60	6	14,19	14,67	15,74	16,98	F05220H00080011	●		
								4,20	14,20	15,23	16,43	F05220H00080019	●		
								2,14	4,32	14,72	15,89	F05220H00080029	●		
								1,55	2,20	14,22	15,34	F05220H00080040	●		
								0,4	15,19	15,71	16,86	18,19	F05220H00080007	●	
								0,9	4,20	15,20	16,31	17,60	F05220H00080008	●	
			1,4					15,0	2,14	4,32	15,77	17,02	F05220H00080030	●	
			1,9						1,55	2,20	15,23	16,43	F05220H00080041	●	
			0,4						16,20	16,75	17,98	19,40	F05220H00080012	●	
			0,9						4,20	16,21	17,40	18,77	F05220H00080020	●	
			1,4						2,14	4,32	16,81	18,15	F05220H00080031	●	
			1,9						1,55	2,20	16,23	17,52	F05220H00080042	●	
			0,4					18,0	18,21	18,83	20,22	21,82	F05220H00080013	●	
			0,9						4,20	18,22	19,56	21,11	F05220H00080021	●	
			1,4						2,14	4,32	18,90	20,41	F05220H00080032	●	
			1,9						1,55	2,20	18,25	19,70	F05220H00080043	●	
			0,4						20,0	20,23	20,92	22,46	24,25	F05220H00080014	●
			0,9							4,20	20,24	21,72	23,46	F05220H00080022	●
			1,4					2,14		4,32	20,99	22,67	F05220H00080033	●	
			1,9					1,55		2,20	20,26	21,88	F05220H00080044	●	
			0,4					8,0		8,19	8,54	9,33	10,29	F05220H00100003	●
			0,9							4,75	8,21	8,97	9,90	F05220H00100020	●
			1,4						2,55	5,12	8,62	9,51	F05220H00100031	●	
			1,9						1,92	2,72	8,27	9,11	F05220H00100046	●	
0,4	10,0	10,21	10,64	11,64	12,86	F05220H00100001	●								
0,9		4,75	10,23	11,19	12,36	F05220H00100002	●								
1,4		2,55	5,12	10,74	11,86	F05220H00100032	●								
1,9		1,92	2,72	10,29	11,35	F05220H00100047	●								
0,4		12,0	12,23	12,75	13,96	15,43	F05220H00100006	●							
0,9			4,75	12,25	13,41	14,82	F05220H00100021	●							
1,4	2,55		5,12	12,86	14,21	F05220H00100033	●								
1,9	1,92		2,72	12,30	13,59	F05220H00100048	●								
0,4	14,0		14,19	14,67	15,73	16,97	F05220H00100009	●							
0,9			4,75	14,21	15,24	16,43	F05220H00100022	●							
1,4		2,55	5,12	14,74	15,90	F05220H00100034	●								
1,9		1,92	2,72	14,25	15,36	F05220H00100049	●								
0,4		15,0	15,20	15,71	16,85	18,18	F05220H00100004	●							
0,9			4,75	15,21	16,32	17,60	F05220H00100005	●							
1,4	2,55		5,12	15,79	17,03	F05220H00100035	●								
1,9	1,92		2,72	15,25	16,45	F05220H00100050	●								

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



05220



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,00	0,50	0,80	16,0	0,95	0,4	15	60	6	16,20	16,75	17,97	19,39	F05220H00100012	●
					0,9				4,75	16,22	17,40	18,77	F05220H00100023	●
					1,4				2,55	5,12	16,83	18,16	F05220H00100036	●
					1,9				1,92	2,72	16,26	17,54	F05220H00100051	●
					0,4				18,22	18,83	20,21	21,81	F05220H00100013	●
					0,9				4,75	18,24	19,57	21,11	F05220H00100024	●
					1,4				2,55	5,12	18,92	20,42	F05220H00100037	●
					1,9				1,92	2,72	18,28	19,72	F05220H00100052	●
					0,4				20,23	20,92	22,45	24,23	F05220H00100007	●
					0,9				4,75	20,25	21,73	23,45	F05220H00100008	●
					1,4				2,55	5,12	21,01	22,68	F05220H00100038	●
					1,9				1,92	2,72	20,29	21,90	F05220H00100053	●
			0,4		22,24	23,00			24,69	26,65	F05220H00100014	●		
			0,9		4,75	22,26			23,90	25,79	F05220H00100025	●		
			1,4		2,55	5,12			23,10	24,93	F05220H00100039	●		
			1,9		1,92	2,72			22,31	24,08	F05220H00100054	●		
			0,4		24,19	24,78			26,07	27,51	F05220H00100015	●		
			0,9		4,75	24,20			25,46	26,86	F05220H00100026	●		
			1,4		2,55	5,12			24,84	26,21	F05220H00100040	●		
			1,9		1,92	2,72			24,23	25,56	F05220H00100055	●		
			0,4		25,19	25,81			27,16	28,65	F05220H00100010	●		
			0,9		4,75	25,20			26,52	27,98	F05220H00100011	●		
			1,4		2,55	5,12			25,87	27,30	F05220H00100041	●		
			1,9		1,92	2,72			25,23	26,62	F05220H00100056	●		
			0,4		28,36	29,61			32,47	35,96	F05220H00100016	●		
			0,9		4,75	28,39			31,14	34,48	F05220H00100027	●		
			1,4		2,55	5,12			29,80	33,00	F05220H00100042	●		
			1,9		1,92	2,72			28,46	31,52	F05220H00100057	●		
			0,4		30,38	31,72			34,79	38,53	F05220H00100017	●		
			0,9		4,75	30,41			33,35	36,94	F05220H00100028	●		
			1,4		2,55	5,12			31,92	35,35	F05220H00100043	●		
			1,9		1,92	2,72			30,48	33,76	F05220H00100058	●		
			0,4		32,31	33,42			35,89	38,76	F05220H00100018	●		
			0,9		4,75	32,33			34,72	37,50	F05220H00100029	●		
			1,4		2,55	5,12			33,55	36,23	F05220H00100044	●		
			1,9		1,92	2,72			32,38	34,97	F05220H00100059	●		
			0,4		35,33	36,55			39,25	42,39	F05220H00100019	●		
			0,9		4,75	35,35			37,97	41,01	F05220H00100030	●		
			1,4		2,55	5,12			36,69	39,62	F05220H00100045	●		
			1,9		1,92	2,72			35,40	38,24	F05220H00100060	●		
			0,4		10,17	10,50			11,24	12,11	F05220H00120001	●		
			0,9		5,08	10,19			10,90	11,74	F05220H00120017	●		
			1,4		2,81	5,57			10,57	11,38	F05220H00120033	●		
			1,9		2,16	3,03			10,23	11,01	F05220H00120049	●		
			0,4		12,18	12,58			13,48	14,53	F05220H00120002	●		
			0,9		5,08	12,20			13,07	14,08	F05220H00120018	●		
			1,4		2,81	5,57			12,66	13,64	F05220H00120034	●		
			1,9		2,16	3,03			12,24	13,19	F05220H00120050	●		
0,4	14,14	14,48	15,22	16,04	F05220H00120003	●								
0,9	5,08	14,15	14,87	15,67	F05220H00120019	●								
1,4	2,81	5,57	14,53	15,31	F05220H00120035	●								
1,9	2,16	3,03	14,18	14,95	F05220H00120051	●								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO



**05220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

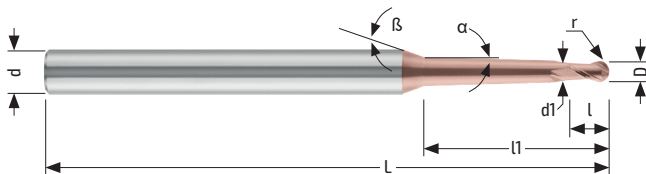
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
1,20	0,60	1,00	15,0	1,15	0,4	20	50	6	15,14	15,51	16,30	17,18	F05220H00120004	●	
									5,08	15,16	15,93	16,79	F05220H00120020	●	
									2,81	5,57	15,56	16,40	F05220H00120036	●	
									1,9	2,16	3,03	15,19	16,01	F05220H00120052	●
									0,4	16,15	16,54	17,39	18,33	F05220H00120005	●
									0,9	5,08	16,16	16,99	17,91	F05220H00120021	●
									1,4	2,81	5,57	16,59	17,49	F05220H00120037	●
									1,9	2,16	3,03	16,19	17,07	F05220H00120053	●
									0,4	18,12	18,46	19,19	19,97	F05220H00120006	●
									0,9	5,08	18,13	18,84	19,61	F05220H00120022	●
									1,4	2,81	5,57	18,50	19,25	F05220H00120038	●
									1,9	2,16	3,03	18,15	18,90	F05220H00120054	●
			0,4	20,13	20,51	21,32	22,19	F05220H00120007	●						
			0,9	5,08	20,14	20,93	21,79	F05220H00120023	●						
			1,4	2,81	5,57	20,55	21,39	F05220H00120039	●						
			1,9	2,16	3,03	20,16	20,99	F05220H00120055	●						
			0,4	22,11	22,44	23,15	23,90	F05220H00120008	●						
			0,9	5,08	22,12	22,81	23,55	F05220H00120024	●						
			1,4	2,81	5,57	22,47	23,20	F05220H00120040	●						
			1,9	2,16	3,03	22,13	22,85	F05220H00120056	●						
			0,4	24,12	24,48	25,25	26,07	F05220H00120009	●						
			0,9	5,08	24,12	24,88	25,69	F05220H00120025	●						
			1,4	2,81	5,57	24,51	25,31	F05220H00120041	●						
			1,9	2,16	3,03	24,14	24,93	F05220H00120057	●						
			0,4	25,12	25,50	26,30	27,16	F05220H00120010	●						
			0,9	5,08	25,13	25,92	26,76	F05220H00120026	●						
			1,4	2,81	5,57	25,53	26,36	F05220H00120042	●						
			1,9	2,16	3,03	25,14	25,96	F05220H00120058	●						
			0,4	28,37	29,61	32,46	35,94	F05220H00120011	●						
			0,9	5,08	28,40	31,13	34,47	F05220H00120027	●						
			1,4	2,81	5,57	29,81	33,00	F05220H00120043	●						
			1,9	2,16	3,03	28,48	31,52	F05220H00120059	●						
			0,4	30,38	31,72	34,78	38,51	F05220H00120012	●						
			0,9	5,08	30,42	33,35	36,93	F05220H00120028	●						
			1,4	2,81	5,57	31,93	35,35	F05220H00120044	●						
			1,9	2,16	3,03	30,50	33,76	F05220H00120060	●						
			0,4	32,31	33,42	35,88	38,74	F05220H00120013	●						
			0,9	5,08	32,34	34,72	37,49	F05220H00120029	●						
			1,4	2,81	5,57	33,56	36,23	F05220H00120045	●						
			1,9	2,16	3,03	32,39	34,97	F05220H00120061	●						

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



05220



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock								
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°										
1,20	0,60	1,00	35,0	1,15	0,4	15	78	6	35,33	36,54	39,24	42,37	F05220H00120014	●								
									5,08	35,36	37,97	41,00	F05220H00120030	●								
									2,81	5,57	36,69	39,62	F05220H00120046	●								
									2,16	3,03	35,42	38,24	F05220H00120062	●								
			38,0						38,35	39,67	42,60	46,01	F05220H00120015	●								
									5,08	38,38	41,21	44,51	F05220H00120031	●								
									2,81	5,57	39,83	43,01	F05220H00120047	●								
									2,16	3,03	38,44	41,51	F05220H00120063	●								
			40,0						40,37	41,75	44,84	-	F05220H00120016	●								
									5,08	40,39	43,38	-	F05220H00120032	●								
									2,81	5,57	41,92	45,27	F05220H00120048	●								
									2,16	3,03	40,45	43,69	F05220H00120064	●								
			1,50						0,75	1,35	10,0	1,45	0,4	12	60	6	10,22	10,64	11,61	12,80	F05220H00150001	●
																	5,68	10,25	11,19	12,33	F05220H00150020	●
																	3,27	6,42	10,76	11,86	F05220H00150033	●
																	2,58	3,60	10,34	11,39	F05220H00150049	●
12,0	12,23	12,75		13,93	15,37	F05220H00150004	●															
	5,68	12,27		13,41	14,79	F05220H00150005	●															
	3,27	6,42		12,88	14,21	F05220H00150034	●															
	2,58	3,60		12,36	13,63	F05220H00150050	●															
14,0	14,20	14,67		15,71	16,92	F05220H00150002	●															
	5,68	14,22		15,24	16,41	F05220H00150021	●															
	3,27	6,42		14,76	15,90	F05220H00150035	●															
	2,58	3,60		14,29	15,39	F05220H00150051	●															
15,0	15,20	15,71		16,83	18,13	F05220H00150003	●															
	5,68	15,23		16,32	17,58	F05220H00150022	●															
	3,27	6,42		15,81	17,03	F05220H00150036	●															
	2,58	3,60		15,29	16,47	F05220H00150052	●															
16,0	16,21	16,75		17,95	19,34	F05220H00150007	●															
	5,68	16,24		17,40	18,75	F05220H00150008	●															
	3,27	6,42		16,85	18,16	F05220H00150037	●															
	2,58	3,60		16,30	17,56	F05220H00150053	●															
18,0	18,22	18,83		20,19	21,77	F05220H00150006	●															
	5,68	18,25		19,56	21,09	F05220H00150023	●															
	3,27	6,42		18,94	20,42	F05220H00150038	●															
	2,58	3,60		18,32	19,74	F05220H00150054	●															
20,0	20,24	20,92		22,43	24,19	F05220H00150010	●															
	5,68	20,27		21,73	23,43	F05220H00150011	●															
	3,27	6,42		21,03	22,68	F05220H00150039	●															
	2,58	3,60		20,33	21,92	F05220H00150055	●															
22,0	22,25	23,00		24,67	26,61	F05220H00150009	●															
	5,68	22,28		23,89	25,77	F05220H00150024	●															
	3,27	6,42		23,12	24,94	F05220H00150040	●															
	2,58	3,60		22,35	24,10	F05220H00150056	●															
24,0	24,26	25,08		26,91	29,03	F05220H00150012	●															
	5,68	24,29		26,06	28,11	F05220H00150025	●															
	3,27	6,42		25,21	27,20	F05220H00150041	●															
	2,58	3,60		24,36	26,28	F05220H00150057	●															
25,0	25,20	25,81		27,14	28,62	F05220H00150013	●															
	5,68	25,22		26,52	27,96	F05220H00150026	●															
	3,27	6,42		25,89	27,30	F05220H00150042	●															
	2,58	3,60		25,26	26,64	F05220H00150058	●															



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Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

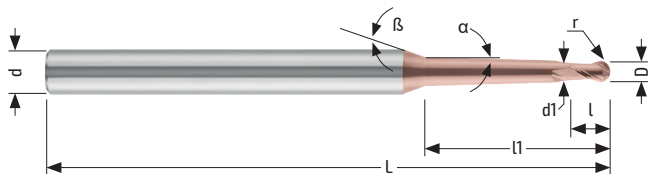
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
1,50	0,75	1,35	28,0	1,45	12	78	6	28,37	29,61	32,45	35,91	F05220H00150014	●	
								5,68	28,42	31,14	34,45	F05220H00150027	●	
								3,27	6,42	29,83	33,00	F05220H00150043	●	
								2,58	3,60	28,52	31,55	F05220H00150059	●	
								30,39	31,71	34,76	38,47	F05220H00150015	●	
								5,68	30,43	33,35	36,91	F05220H00150028	●	
			3,27	6,42	31,94	35,35		F05220H00150044	●					
			2,58	3,60	30,54	33,79		F05220H00150060	●					
			32,32	33,42	35,87	38,72		F05220H00150016	●					
			5,68	32,35	34,72	37,48		F05220H00150029	●					
			3,27	6,42	33,57	36,23		F05220H00150045	●					
			2,58	3,60	32,42	34,99		F05220H00150061	●					
			35,34	36,54	39,23	42,35		F05220H00150017	●					
			5,68	35,37	37,97	40,99		F05220H00150030	●					
			3,27	6,42	36,71	39,62		F05220H00150046	●					
			2,58	3,60	35,44	38,26		F05220H00150062	●					
			38,36	39,67	42,59	-		F05220H00150018	●					
			5,68	38,39	41,21	-		F05220H00150031	●					
			3,27	6,42	39,84	43,01		F05220H00150047	●					
			2,58	3,60	38,47	41,53		F05220H00150063	●					
			40,37	41,75	44,83	-		F05220H00150019	●					
			5,68	40,41	43,38	-		F05220H00150032	●					
			3,27	6,42	41,93	-		F05220H00150048	●					
			2,58	3,60	40,48	-		F05220H00150064	●					
10,34	10,76	11,72	12,89	F05220H00200001	●									
9,73	10,39	11,31	12,44	F05220H00200023	●									
5,27	10,02	10,90	11,99	F05220H00200035	●									
3,99	5,65	10,50	11,53	F05220H00200052	●									
12,36	12,87	14,03	15,46	F05220H00200004	●									
9,73	12,41	13,53	14,90	F05220H00200005	●									
5,27	10,60	13,02	14,34	F05220H00200036	●									
3,99	5,65	12,52	13,77	F05220H00200053	●									
14,38	14,97	16,35	18,03	F05220H00200002	●									
9,73	14,42	15,74	17,35	F05220H00200024	●									
5,27	10,60	15,14	16,68	F05220H00200037	●									
3,99	5,65	14,54	16,01	F05220H00200054	●									
15,30	15,80	16,91	18,20	F05220H00200003	●									
9,73	15,34	16,41	17,66	F05220H00200025	●									
5,27	10,60	15,91	17,12	F05220H00200038	●									
3,99	5,65	15,41	16,58	F05220H00200055	●									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



05220



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,00	1,00	1,70	16,0	1,90	0,4	15	60	6	16,31	16,84	18,03	19,41	F05220H00200007	●	
									9,73	16,34	17,49	18,83	F05220H00200008	●	
									5,27	10,60	16,96	18,25	F05220H00200039	●	
									3,99	5,65	16,42	17,67	F05220H00200056	●	
			18,0						0,4	18,32	18,92	20,27	21,83	F05220H00200006	●
									0,9	9,73	18,36	19,66	21,17	F05220H00200026	●
									1,4	5,27	10,60	19,05	20,51	F05220H00200040	●
									1,9	3,99	5,65	18,44	19,85	F05220H00200057	●
			20,0						0,4	20,33	21,01	22,51	24,25	F05220H00200010	●
									0,9	9,73	20,37	21,82	23,51	F05220H00200011	●
									1,4	5,27	10,60	21,14	22,77	F05220H00200041	●
									1,9	3,99	5,65	20,45	22,03	F05220H00200058	●
			22,0						0,4	22,35	23,09	24,75	26,68	F05220H00200009	●
									0,9	9,73	22,38	23,99	25,85	F05220H00200027	●
									1,4	5,27	10,60	23,23	25,03	F05220H00200042	●
									1,9	3,99	5,65	22,47	24,21	F05220H00200059	●
			24,0						0,4	24,36	25,18	26,99	29,10	F05220H00200012	●
									0,9	9,73	24,40	26,15	28,19	F05220H00200028	●
									1,4	5,27	10,60	25,32	27,29	F05220H00200043	●
									1,9	3,99	5,65	24,48	26,39	F05220H00200060	●
			25,0						0,4	25,37	26,22	28,11	30,31	F05220H00200013	●
									0,9	9,73	25,41	27,24	29,36	F05220H00200029	●
									1,4	5,27	10,60	26,36	28,42	F05220H00200044	●
									1,9	3,99	5,65	25,49	27,48	F05220H00200061	●
			28,0						0,4	28,50	29,73	32,55	36,00	F05220H00200014	●
									0,9	9,73	28,55	31,26	34,56	F05220H00200030	●
									1,4	5,27	10,60	29,97	33,13	F05220H00200045	●
									1,9	3,99	5,65	28,67	31,69	F05220H00200062	●
			30,0						0,4	30,51	31,83	34,87	38,56	F05220H00200016	●
									0,9	9,73	30,57	33,47	37,02	F05220H00200017	●
									1,4	5,27	10,60	32,08	35,48	F05220H00200046	●
									1,9	3,99	5,65	30,69	33,94	F05220H00200063	●
			32,0						0,4	32,53	33,94	37,18	-	F05220H00200015	●
									0,9	9,73	32,59	35,69	-	F05220H00200031	●
									1,4	5,27	10,60	34,20	37,83	F05220H00200047	●
									1,9	3,99	5,65	32,71	36,18	F05220H00200064	●
			35,0						0,4	35,44	36,64	39,31	-	F05220H00200019	●
									0,9	9,73	35,48	38,06	-	F05220H00200020	●
									1,4	5,27	10,60	36,81	-	F05220H00200048	●
									1,9	3,99	5,65	35,56	38,37	F05220H00200065	●
			38,0						0,4	38,46	39,76	42,67	-	F05220H00200018	●
									0,9	9,73	38,50	41,31	-	F05220H00200032	●
									1,4	5,27	10,60	39,95	-	F05220H00200049	●
									1,9	3,99	5,65	38,59	-	F05220H00200066	●
			40,0						0,4	40,47	41,84	44,91	-	F05220H00200021	●
									0,9	9,73	40,51	43,47	-	F05220H00200033	●
									1,4	5,27	10,60	42,04	-	F05220H00200050	●
									1,9	3,99	5,65	40,60	-	F05220H00200067	●
			45,0						0,4	45,37	46,48	48,90	-	F05220H00200022	●
									0,9	9,73	45,39	47,75	-	F05220H00200034	●
									1,4	5,27	10,60	46,60	-	F05220H00200051	●
									1,9	3,99	5,65	45,45	-	F05220H00200068	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**05220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

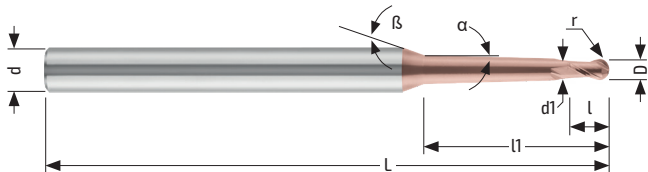
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	1,25	2,10	10,0	2,40	0,4	12	60	6	10,34	10,75	11,69	12,83	F05220H00250001	●
					0,9				10,01	10,40	11,30	12,40	F05220H00250018	●
					1,4				5,75	10,04	10,91	11,97	F05220H00250035	●
					1,9				4,44	6,22	10,52	11,53	F05220H00250052	●
					0,4				12,36	12,86	14,00	15,39	F05220H00250002	●
					0,9				10,32	12,42	13,51	14,85	F05220H00250019	●
			12,0		1,4				5,75	11,38	13,03	14,31	F05220H00250036	●
					1,9				4,44	6,22	12,54	13,77	F05220H00250053	●
					0,4				14,38	14,97	16,32	17,96	F05220H00250003	●
					0,9				10,32	14,43	15,73	17,31	F05220H00250020	●
					1,4				5,75	11,38	15,15	16,66	F05220H00250037	●
					1,9				4,44	6,22	14,56	16,01	F05220H00250054	●
			15,0		0,4				15,39	16,02	17,47	19,24	F05220H00250004	●
					0,9				10,32	15,44	16,84	18,54	F05220H00250021	●
					1,4				5,75	11,38	16,20	17,84	F05220H00250038	●
					1,9				4,44	6,22	15,57	17,13	F05220H00250055	●
					0,4				16,31	16,84	18,00	19,36	F05220H00250005	●
					0,9				10,32	16,35	17,48	18,80	F05220H00250022	●
			16,0		1,4				5,75	11,38	16,96	18,24	F05220H00250039	●
					1,9				4,44	6,22	16,44	17,67	F05220H00250056	●
					0,4				18,32	18,92	20,24	21,78	F05220H00250006	●
					0,9				10,32	18,36	19,65	21,14	F05220H00250023	●
					1,4				5,75	11,38	19,05	20,50	F05220H00250040	●
					1,9				4,44	6,22	18,46	19,85	F05220H00250057	●
			20,0		0,4				20,34	21,00	22,48	24,21	F05220H00250007	●
					0,9				10,32	20,38	21,81	23,48	F05220H00250024	●
					1,4				5,75	11,38	21,14	22,76	F05220H00250041	●
					1,9				4,44	6,22	20,47	22,03	F05220H00250058	●
					0,4				22,35	23,09	24,72	26,63	F05220H00250008	●
					0,9				10,32	22,39	23,98	25,82	F05220H00250025	●
			22,0		1,4				5,75	11,38	23,23	25,02	F05220H00250042	●
					1,9				4,44	6,22	22,49	24,21	F05220H00250059	●
					0,4				24,36	25,17	26,96	29,05	F05220H00250009	●
					0,9				10,32	24,41	26,14	28,16	F05220H00250026	●
					1,4				5,75	11,38	25,32	27,28	F05220H00250043	●
					1,9				4,44	6,22	24,50	26,39	F05220H00250060	●
			24,0		0,4				25,37	26,21	28,08	30,26	F05220H00250010	●
					0,9				10,32	25,41	27,22	29,33	F05220H00250027	●
					1,4				5,75	11,38	26,37	28,41	F05220H00250044	●
					1,9				4,44	6,22	25,51	27,48	F05220H00250061	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



05220



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock									
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°											
2,50	1,25	2,10	28,0	2,40	0,4	12	78	6	28,50	29,72	32,52	-	F05220H00250011	●									
									10,32	28,56	31,24	34,52	F05220H00250028	●									
									5,75	11,38	29,97	33,11	F05220H00250045	●									
									4,44	6,22	28,70	31,70	F05220H00250062	●									
									0,4	30,52	31,83	34,83	-	F05220H00250012	●								
									0,9	10,32	30,58	33,46	-	F05220H00250029	●								
									1,4	5,75	11,38	32,09	-	F05220H00250046	●								
									1,9	4,44	6,22	30,72	33,94	F05220H00250063	●								
									0,4	32,53	33,93	37,15	-	F05220H00250013	●								
									0,9	10,32	32,59	35,68	-	F05220H00250030	●								
									1,4	5,75	11,38	34,21	-	F05220H00250047	●								
									1,9	4,44	6,22	32,74	-	F05220H00250064	●								
			0,4						35,44	36,63	39,28	-	F05220H00250014	●									
			0,9						10,32	35,48	38,05	-	F05220H00250031	●									
			1,4						5,75	11,38	36,82	-	F05220H00250048	●									
			1,9						4,44	6,22	35,58	-	F05220H00250065	●									
			0,4						38,46	39,75	42,64	-	F05220H00250015	●									
			0,9						10,32	38,50	41,30	-	F05220H00250032	●									
			1,4						5,75	11,38	39,95	-	F05220H00250049	●									
			1,9						4,44	6,22	38,61	-	F05220H00250066	●									
			0,4						40,47	41,84	44,88	-	F05220H00250016	●									
			0,9						10,32	40,52	43,46	-	F05220H00250033	●									
			1,4						5,75	11,38	42,04	-	F05220H00250050	●									
			1,9						4,44	6,22	40,62	-	F05220H00250067	●									
			0,4						45,37	46,48	48,88	-	F05220H00250017	●									
			0,9						10,32	45,40	47,74	-	F05220H00250034	●									
			1,4						5,75	11,38	46,60	-	F05220H00250051	●									
			1,9						4,44	6,22	45,46	-	F05220H00250068	●									
			3,00						1,50	2,50	10,0	2,90	0,4	12	60	6	10,35	10,74	11,65	12,76	F05220H00300001	●	
																	10,03	10,41	11,28	12,35	F05220H00300022	●	
																	6,23	10,07	10,92	11,94	F05220H00300035	●	
																	4,90	6,79	10,55	11,54	F05220H00300052	●	
																	0,4	12,36	12,85	13,97	15,33	F05220H00300002	●
																	0,9	10,91	12,43	13,50	14,81	F05220H00300023	●
																	1,4	6,23	12,00	13,03	14,29	F05220H00300036	●
																	1,9	4,90	6,79	12,57	13,78	F05220H00300053	●
																	0,4	14,38	14,96	16,28	17,90	F05220H00300003	●
																	0,9	10,91	14,44	15,72	17,27	F05220H00300024	●
																	1,4	6,23	12,15	15,15	16,64	F05220H00300037	●
																	1,9	4,90	6,79	14,59	16,02	F05220H00300054	●
											0,4						15,39	16,01	17,44	19,18	F05220H00300006	●	
											0,9						10,91	15,45	16,82	18,50	F05220H00300025	●	
											1,4						6,23	12,15	16,21	17,82	F05220H00300038	●	
											1,9						4,90	6,79	15,60	17,14	F05220H00300055	●	
											0,4						16,40	17,07	18,60	20,46	F05220H00300004	●	
											0,9						10,91	16,46	17,93	19,73	F05220H00300005	●	
											1,4						6,23	12,15	17,27	18,99	F05220H00300039	●	
											1,9						4,90	6,79	16,61	18,26	F05220H00300056	●	
0,4	18,33	18,91		20,22	21,74	F05220H00300009	●																
0,9	10,91	18,37		19,64	21,11	F05220H00300026	●																
1,4	6,23	12,15		19,06	20,48	F05220H00300040	●																
1,9	4,90	6,79		18,48	19,85	F05220H00300057	●																



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



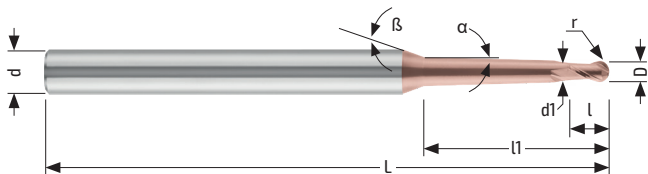
Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

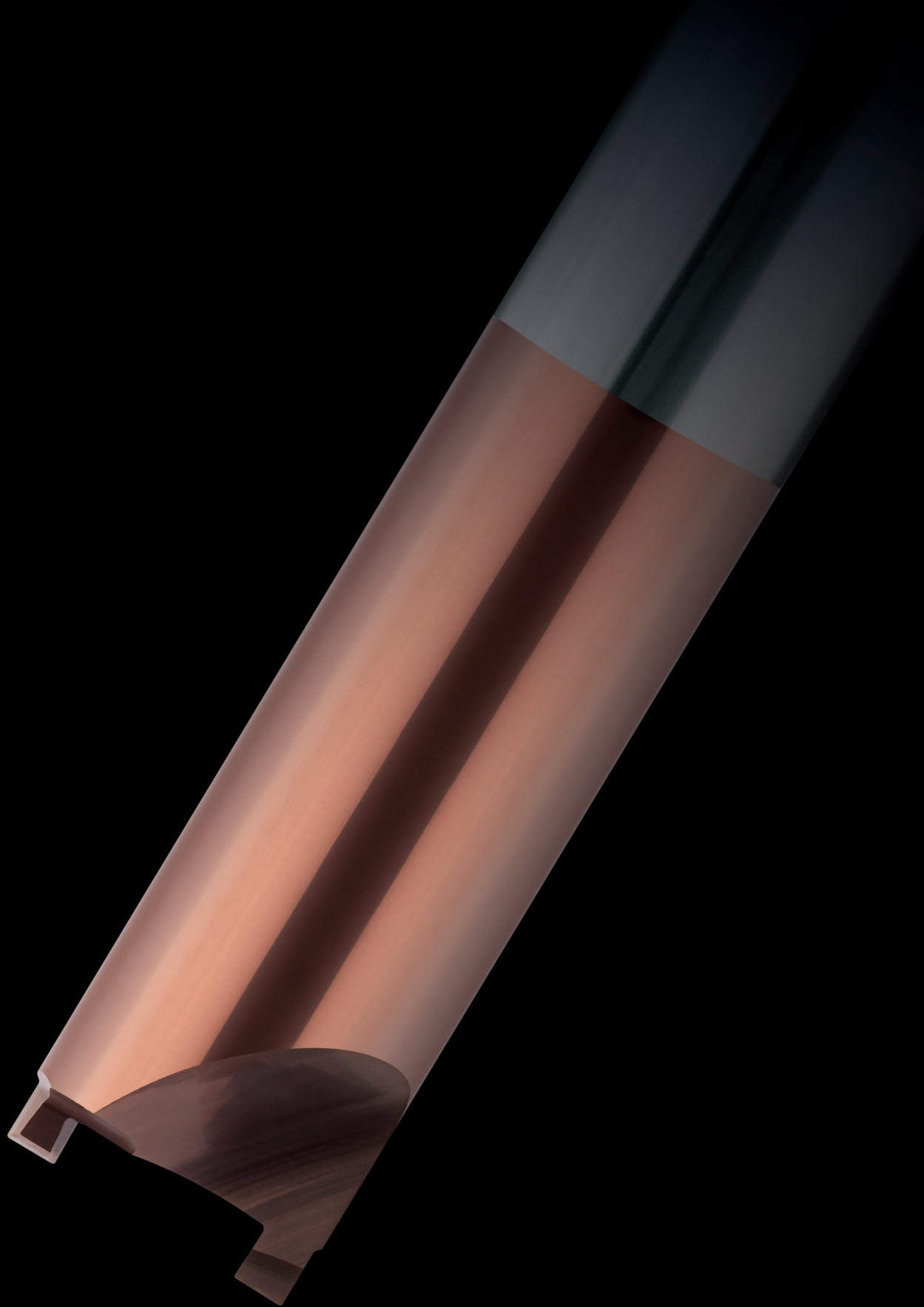
# 05220

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato  
 2 flute ball nose end mill for ribbing with tapered neck and reinforced shank  
 Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise hémisphérique à deux dents pour nervures queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	α°	β°	L	d h5	Lunghezza effettiva				Balinit® Tisaflex	Stock
									ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
3,00	1,50	2,50	20,0	2,90	0,4	15	60	6	20,34	21,00	22,46	24,16	F05220H00300007	●
					0,9				10,91	20,39	21,80	23,45	F05220H00300008	●
					1,4				6,23	12,15	21,15	22,74	F05220H00300041	●
					1,9				4,90	6,79	20,49	22,03	F05220H00300058	●
					0,4				22,35	23,08	24,70	26,58	F05220H00300010	●
					0,9				10,91	22,40	23,97	25,79	F05220H00300027	●
					1,4				6,23	12,15	23,24	25,00	F05220H00300042	●
					1,9				4,90	6,79	22,51	24,21	F05220H00300059	●
					0,4				24,37	25,16	26,94	29,00	F05220H00300011	●
					0,9				10,91	24,41	26,13	28,13	F05220H00300028	●
					1,4				6,23	12,15	25,33	27,26	F05220H00300043	●
					1,9				4,90	6,79	24,52	26,39	F05220H00300060	●
			0,4	25,37	26,21	28,06	-	F05220H00300012	●					
			0,9	10,91	25,42	27,21	29,30	F05220H00300029	●					
			1,4	6,23	12,15	26,37	28,39	F05220H00300044	●					
			1,9	4,90	6,79	25,53	27,48	F05220H00300061	●					
			0,4	28,50	29,71	32,48	-	F05220H00300015	●					
			0,9	10,91	28,57	31,23	-	F05220H00300030	●					
			1,4	6,23	12,15	29,98	-	F05220H00300045	●					
			1,9	4,90	6,79	28,72	-	F05220H00300062	●					
			0,4	30,52	31,82	34,80	-	F05220H00300013	●					
			0,9	10,91	30,59	33,45	-	F05220H00300014	●					
			1,4	6,23	12,15	32,10	-	F05220H00300046	●					
			1,9	4,90	6,79	30,74	-	F05220H00300063	●					
			0,4	32,54	33,92	37,11	-	F05220H00300018	●					
			0,9	10,91	32,60	35,66	-	F05220H00300031	●					
			1,4	6,23	12,15	34,21	-	F05220H00300047	●					
			1,9	4,90	6,79	32,76	-	F05220H00300064	●					
			0,4	35,44	36,62	39,26	-	F05220H00300019	●					
			0,9	10,91	35,49	38,04	-	F05220H00300032	●					
			1,4	6,23	12,15	36,82	-	F05220H00300048	●					
			1,9	4,90	6,79	35,60	-	F05220H00300065	●					
			0,4	38,46	39,75	42,62	-	F05220H00300020	●					
			0,9	10,91	38,51	41,29	-	F05220H00300033	●					
			1,4	6,23	12,15	39,96	-	F05220H00300049	●					
			1,9	4,90	6,79	38,63	-	F05220H00300066	●					
			0,4	40,47	41,83	-	-	F05220H00300016	●					
			0,9	10,91	40,53	43,45	-	F05220H00300017	●					
			1,4	6,23	12,15	42,05	-	F05220H00300050	●					
			1,9	4,90	6,79	40,64	-	F05220H00300067	●					
			0,4	45,51	47,04	-	-	F05220H00300021	●					
			0,9	10,91	45,56	-	-	F05220H00300034	●					
			1,4	6,23	12,15	-	-	F05220H00300051	●					
			1,9	4,90	6,79	-	-	F05220H00300068	●					

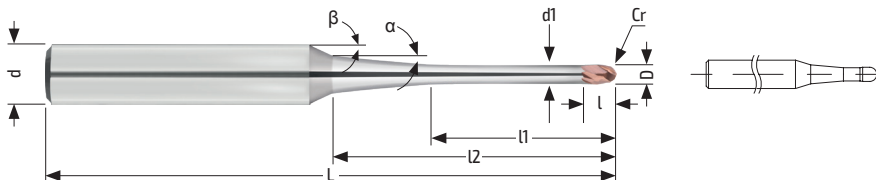






# 04220

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato  
 2 flute ball nose end mill for ribbing with tapered neck and reinforced shank  
 Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise hémisphérique à deux dents pour nervures queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,00	0,50	0,80	0,95	0,95	78	6	12	15	6	15,40	16,06	17,59	19,46	F04220H00100001	●		
										14,20	15,62	17,10	18,92	F04220H00100023	●		
										9,09	15,17	16,61	18,37	F04220H00100045	●		
										7,62	11,58	16,12	17,82	F04220H00100067	●		
										20,0	0,4	20,44	21,33	23,38	25,88	F04220H00100002	●
										0,9	14,20	20,66	22,64	25,06	F04220H00100024	●	
										1,4	9,09	19,82	21,91	24,24	F04220H00100046	●	
										1,9	7,62	11,58	21,17	23,43	F04220H00100068	●	
										0,4	25,48	26,60	29,17	32,30	F04220H00100003	●	
										0,9	14,20	25,70	28,18	31,21	F04220H00100025	●	
										1,4	9,09	19,82	27,20	30,12	F04220H00100047	●	
										1,9	7,62	11,58	26,22	29,03	F04220H00100069	●	
										30,0	0,4	30,52	31,87	34,95	38,71	F04220H00100004	●
										0,9	14,20	30,75	33,72	37,35	F04220H00100026	●	
										1,4	9,09	19,82	32,50	35,99	F04220H00100048	●	
										1,9	7,62	11,58	31,27	34,63	F04220H00100070	●	
										35,0	0,4	35,57	37,14	40,74	45,13	F04220H00100005	●
										0,9	14,20	35,79	39,26	43,50	F04220H00100027	●	
										1,4	9,09	19,82	37,79	41,86	F04220H00100049	●	
										1,9	7,62	11,58	36,32	40,23	F04220H00100071	●	
										40,0	0,4	40,48	41,87	44,97	-	F04220H00100006	●
										0,9	14,20	40,84	44,81	-	F04220H00100028	●	
										1,4	9,09	19,82	43,09	47,74	F04220H00100050	●	
										1,9	7,62	11,58	41,36	45,83	F04220H00100072	●	
										45,0	0,4	45,29	46,16	48,01	-	F04220H00100007	●
										0,9	14,20	45,38	47,20	-	F04220H00100029	●	
										1,4	9,09	19,82	46,82	-	F04220H00100051	●	
										1,9	7,62	11,58	46,08	-	F04220H00100073	●	
										20,0	0,4	20,61	21,51	23,58	26,10	F04220H00100008	●
										0,9	20,18	21,06	23,08	25,55	F04220H00100030	●	
										1,4	16,86	20,62	22,59	25,01	F04220H00100052	●	
										1,9	14,41	20,17	22,10	24,46	F04220H00100074	●	
										25,0	0,4	25,65	26,78	29,36	32,51	F04220H00100009	●
										0,9	25,01	26,11	28,63	31,70	F04220H00100031	●	
										1,4	16,86	25,44	27,89	30,88	F04220H00100053	●	
										1,9	14,41	22,14	27,15	30,06	F04220H00100075	●	
										30,0	0,4	30,70	32,05	35,15	38,93	F04220H00100010	●
										0,9	25,45	31,15	34,17	37,84	F04220H00100032	●	
										1,4	16,86	30,26	33,18	36,75	F04220H00100054	●	
										1,9	14,41	22,14	32,20	35,66	F04220H00100076	●	

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
1,00	0,50	0,80	10,0	0,95	35,0	0,4	12	78	6	35,74	37,32	40,94	45,35	F04220H00100011	●		
						0,9				25,45	36,20	39,71	43,99	F04220H00100033	●		
						1,4				16,86	35,08	38,48	42,63	F04220H00100055	●		
						1,9				14,41	22,14	37,25	41,26	F04220H00100077	●		
						0,4				15	40,61	42,01	45,12	-	F04220H00100012	●	
						0,9					25,45	41,24	45,25	-	F04220H00100034	●	
						1,4					16,86	37,32	43,77	-	F04220H00100056	●	
						1,9					14,41	22,14	42,30	46,86	F04220H00100078	●	
						0,4					25	45,36	46,24	48,09	-	F04220H00100013	●
						0,9						25,45	45,56	47,38	-	F04220H00100035	●
						1,4						16,86	37,32	47,19	-	F04220H00100057	●
						1,9						14,41	22,14	46,27	-	F04220H00100079	●
					0,4	20	25,82					26,96	29,56	32,73	F04220H00100014	●	
					0,9		25,40					26,51	29,07	32,19	F04220H00100036	●	
					1,4		24,64					26,06	28,58	31,64	F04220H00100058	●	
					1,9		21,19					25,61	28,08	31,10	F04220H00100080	●	
					0,4		12			31,04		32,40	35,54	39,37	F04220H00100019	●	
					0,9					30,61		31,96	35,05	38,82	F04220H00100041	●	
					1,4					30,18		31,51	34,56	38,28	F04220H00100063	●	
					1,9					27,98		31,06	34,07	37,73	F04220H00100085	●	
					0,4					15	36,08	37,67	41,33	45,79	F04220H00100020	●	
					0,9						35,44	37,00	40,59	44,97	F04220H00100042	●	
					1,4						32,42	36,33	39,85	44,15	F04220H00100064	●	
					1,9						27,98	35,66	39,12	43,33	F04220H00100086	●	
			0,4		12	40,88					42,29	45,42	-	F04220H00100021	●		
			0,9			40,21					41,59	44,67	-	F04220H00100043	●		
			1,4			32,42					41,15	45,15	-	F04220H00100065	●		
			1,9			27,98					40,26	44,17	-	F04220H00100087	●		
			0,4			25	45,52				46,39	48,25	-	F04220H00100022	●		
			0,9				45,04				45,91	47,74	-	F04220H00100044	●		
			1,4				32,42				45,42	47,24	-	F04220H00100066	●		
			1,9				27,98				43,24	47,27	-	F04220H00100088	●		
			0,4				20			15,39	16,04	17,54	19,38	F04220H00150001	●		
			0,9							13,89	15,59	17,05	18,83	F04220H00150023	●		
			1,4							8,95	15,15	16,56	18,29	F04220H00150045	●		
			1,9							7,53	11,31	16,07	17,74	F04220H00150067	●		
			0,4		15					20,43	21,31	23,33	25,80	F04220H00150002	●		
			0,9							13,89	20,64	22,59	24,98	F04220H00150024	●		
			1,4							8,95	19,20	21,86	24,16	F04220H00150046	●		
			1,9							7,53	11,31	21,12	23,34	F04220H00150068	●		
			0,4			12				25,47	26,58	29,12	32,21	F04220H00150003	●		
			0,9							13,89	25,68	28,13	31,12	F04220H00150025	●		
			1,4							8,95	19,20	27,15	30,03	F04220H00150047	●		
			1,9							7,53	11,31	26,17	28,94	F04220H00150069	●		
			0,4				25			30,51	31,85	34,90	38,63	F04220H00150004	●		
			0,9							13,89	30,73	33,68	37,27	F04220H00150026	●		
			1,4							8,95	19,20	32,45	35,91	F04220H00150048	●		
			1,9							7,53	11,31	31,22	34,54	F04220H00150070	●		
0,4	20	35,56	37,11	40,69	-			F04220H00150005	●								
0,9		13,89	35,77	39,22	43,42			F04220H00150027	●								
1,4		8,95	19,20	37,74	41,78			F04220H00150049	●								
1,9		7,53	11,31	36,27	40,14			F04220H00150071	●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

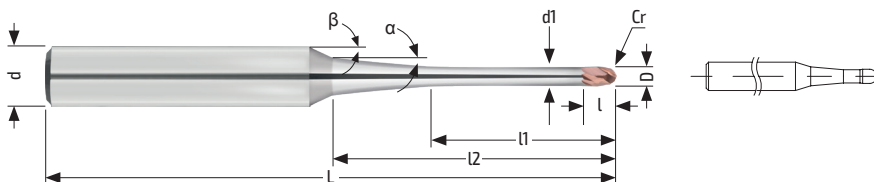


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
1,50	0,75	1,35	5,0	10,0	1,45	12	78	6	6	40,60	42,38	46,48	-	F04220H00150006	●			
										13,89	40,82	44,76	-	F04220H00150028	●			
										8,95	19,20	43,04	-	F04220H00150050	●			
										7,53	11,31	41,32	-	F04220H00150072	●			
										45,0	0,4	25	45,28	46,15	47,99	-	F04220H00150007	●
										0,9	20	13,89	45,48	47,86	-	F04220H00150029	●	
										1,4	15	8,95	19,20	47,54	-	F04220H00150051	●	
										1,9	-	7,53	11,31	46,36	-	F04220H00150073	●	
										20,0	0,4	20,60	21,49	23,53	26,01	F04220H00150008	●	
										0,9	20,17	21,04	23,04	25,47	F04220H00150030	●		
										1,4	16,72	20,59	22,54	24,92	F04220H00150052	●		
										1,9	14,32	20,15	22,05	24,38	F04220H00150074	●		
			25,0	0,4	25,64	26,76	29,31	32,43	F04220H00150009	●								
			0,9	25,00	26,08	28,58	31,62	F04220H00150031	●									
			1,4	16,72	25,41	27,84	30,80	F04220H00150053	●									
			1,9	14,32	21,86	27,10	29,98	F04220H00150075	●									
			30,0	0,4	30,68	32,02	35,10	38,85	F04220H00150010	●								
			0,9	25,14	31,13	34,12	37,76	F04220H00150032	●									
			1,4	16,72	30,23	33,13	36,67	F04220H00150054	●									
			1,9	14,32	21,86	32,15	35,58	F04220H00150076	●									
			35,0	0,4	35,73	37,29	40,89	-	F04220H00150011	●								
			0,9	25,14	36,17	39,66	-	F04220H00150033	●									
			1,4	16,72	35,06	38,43	42,54	F04220H00150055	●									
			1,9	14,32	21,86	37,20	41,18	F04220H00150077	●									
			40,0	0,4	40,77	42,56	46,67	-	F04220H00150012	●								
			0,9	25,14	41,22	45,20	-	F04220H00150034	●									
			1,4	16,72	36,69	43,72	-	F04220H00150056	●									
			1,9	14,32	21,86	42,25	-	F04220H00150078	●									
			45,0	0,4	45,36	46,23	48,07	-	F04220H00150013	●								
			0,9	25,14	45,71	48,10	-	F04220H00150035	●									
			1,4	16,72	36,69	47,17	-	F04220H00150057	●									
			1,9	14,32	21,86	46,75	-	F04220H00150079	●									
			15,0	0,4	25,81	26,93	29,51	32,65	F04220H00150014	●								
			0,9	25,39	26,49	29,02	32,11	F04220H00150036	●									
			1,4	24,50	26,04	28,53	31,56	F04220H00150058	●									
			1,9	21,10	25,59	28,04	31,02	F04220H00150080	●									
			20,0	0,4	31,03	32,38	35,49	39,29	F04220H00150019	●								
			0,9	30,60	31,93	35,00	38,74	F04220H00150041	●									
			1,4	30,17	31,49	34,51	38,20	F04220H00150063	●									
			1,9	27,89	31,04	34,02	37,65	F04220H00150085	●									

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04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock				
										€ 0,5°	€ 1,0°	€ 2,0°	€ 3,0°						
1,50	0,75	1,35	20,0	1,45	35,0	0,4	12	78	6	36,07	37,65	41,28	-	F04220H00150020	●				
										35,43	36,98	40,54	-	F04220H00150042	●				
										32,28	36,31	39,81	-	F04220H00150064	●				
										27,89	35,64	39,07	43,25	F04220H00150086	●				
					40,0	0,4	15	40,87		42,27	45,38	-	F04220H00150021	●					
								40,26		42,02	46,08	-	F04220H00150043	●					
								32,28		41,13	45,10	-	F04220H00150065	●					
								27,89		40,23	44,12	-	F04220H00150087	●					
					45,0	0,4	25	45,51		46,38	48,23	-	F04220H00150022	●					
								45,04		45,90	47,72	-	F04220H00150044	●					
								32,28		45,53	47,91	-	F04220H00150066	●					
								27,89		42,96	47,25	-	F04220H00150088	●					
					2,00	1,00	1,70	5,0		1,90	25,0	0,4	12	15,50	16,15	17,64	19,45	F04220H00200001	●
														15,50	16,15	17,64	19,45	F04220H00200089	●
														15,07	15,70	17,14	18,91	F04220H00200023	●
														15,07	15,70	17,14	18,91	F04220H00200126	●
10,40	15,25	16,65	18,36	F04220H00200045					●										
10,40	15,25	16,65	18,36	F04220H00200163					●										
8,47	12,62	16,16	17,82	F04220H00200067					●										
8,47	12,62	16,16	17,82	F04220H00200200					●										
20,0	0,4	108	20,54	21,41					23,42		25,87	F04220H00200002	●						
			20,54	21,41					23,42		25,87	F04220H00200090	●						
			17,16	20,74					22,69		25,05	F04220H00200024	●						
			17,16	20,74					22,69		25,05	F04220H00200127	●						
25,0	0,9	108	10,40	20,07					21,95		24,24	F04220H00200046	●						
			10,40	20,07					21,95		24,24	F04220H00200164	●						
			8,47	12,62					21,21		23,42	F04220H00200068	●						
			8,47	12,62					21,21		23,42	F04220H00200201	●						
30,0	0,4	108	25,58	26,68	29,21	32,29	F04220H00200003	●											
			25,58	26,68	29,21	32,29	F04220H00200091	●											
			17,16	25,79	28,23	31,20	F04220H00200025	●											
			17,16	25,79	28,23	31,20	F04220H00200128	●											
			10,40	22,15	27,24	30,11	F04220H00200047	●											
			10,40	22,15	27,24	30,11	F04220H00200165	●											
			8,47	12,62	26,26	29,02	F04220H00200069	●											
			8,47	12,62	26,26	29,02	F04220H00200202	●											
35,0	0,4	108	30,63	31,95	34,99	38,71	F04220H00200004	●											
			30,63	31,95	34,99	38,71	F04220H00200092	●											
			17,16	30,83	33,77	37,35	F04220H00200026	●											
			17,16	30,83	33,77	37,35	F04220H00200129	●											
			10,40	22,15	32,54	35,98	F04220H00200048	●											
			10,40	22,15	32,54	35,98	F04220H00200166	●											
			8,47	12,62	31,31	34,62	F04220H00200070	●											
			8,47	12,62	31,31	34,62	F04220H00200203	●											
40,0	0,4	108	35,67	37,22	40,78	-	F04220H00200005	●											
			35,67	37,22	40,78	-	F04220H00200093	●											
			17,16	35,88	39,31	-	F04220H00200027	●											
			17,16	35,88	39,31	-	F04220H00200130	●											
			10,40	22,15	37,83	-	F04220H00200049	●											
			10,40	22,15	37,83	-	F04220H00200167	●											
			8,47	12,62	36,36	-	F04220H00200071	●											
			8,47	12,62	36,36	-	F04220H00200204	●											



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

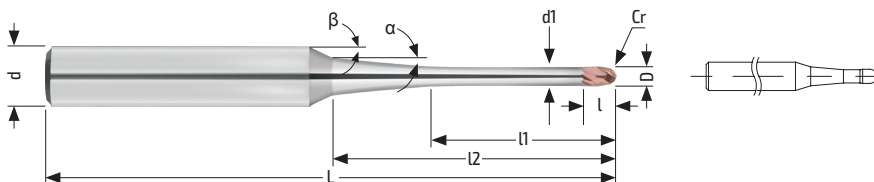


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock																					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°																							
2,00	1,00	1,70	1,90	5,0	40,0	0,4	12	78	6	40,71	42,49	46,57	-	F04220H00200006	●																					
										108	40,71	42,49	46,57	-	F04220H00200094	●																				
										78	0,9	12	78	17,16	40,92	44,85	-	F04220H00200028	●																	
										108				17,16	40,92	44,85	-	F04220H00200131	●																	
										78				1,4	12	78	10,40	22,15	43,13	-	F04220H00200050	●														
										108							10,40	22,15	43,13	-	F04220H00200168	●														
										78				1,9	12	78	8,47	12,62	41,41	-	F04220H00200072	●														
										108							8,47	12,62	41,41	-	F04220H00200205	●														
										45,0	1,00	1,70	1,90	5,0	0,4	20	78	6	45,43	46,55	48,97	-	F04220H00200007	●												
																			12	45,75	47,76	52,35	-	F04220H00200095	●											
																			20	17,16	45,54	47,91	-	F04220H00200029	●											
																			12	17,16	45,97	50,39	-	F04220H00200132	●											
						78	1,4	15											78	10,40	22,15	47,61	-	F04220H00200051	●											
						108														10,40	22,15	48,42	-	F04220H00200169	●											
						50,0	1,00	1,70							1,90	5,0	0,4		12	78	6	8,47	12,62	46,46	-	F04220H00200073	●									
																						108	8,47	12,62	46,46	-	F04220H00200206	●								
																						78	0,9	12	78	50,80	53,02	58,14	-	F04220H00200096	●					
																						108				17,16	51,01	55,93	-	F04220H00200133	●					
																						55,0	1,00	1,70	1,90	5,0	0,4	12	78	6	10,40	22,15	53,72	-	F04220H00200170	●
																															78	8,47	12,62	51,51	-	F04220H00200207
						108	0,9	12		78	55,84	58,29	-	-	F04220H00200097	●																				
						78					17,16	56,06	-	-	F04220H00200134	●																				
						60,0	1,00	1,70		1,90	5,0	0,4	12	78	6	10,40	22,15		-	-		F04220H00200171	●													
																108	8,47		12,62	56,55		-	F04220H00200208	●												
					78											0,9	12		78	60,88		63,56	-	-	F04220H00200098	●										
					108															17,16		61,10	-	-	F04220H00200135	●										
					65,0											1,00	1,70		1,90	5,0		0,4	12	78	6	10,40	22,15	-	-		F04220H00200172	●				
																										78	8,47	12,62	-		-	F04220H00200209	●			
						108	0,9	12		78	65,93	68,83	-	-												F04220H00200099	●									
						78					17,16	66,15	-	-												F04220H00200136	●									
					70,0	1,00	1,70	1,90		5,0	0,4	12	78	6		10,40	22,15		-	-		F04220H00200173	●													
																108	8,47		12,62	-		-	F04220H00200210	●												
																78	0,9		12	78		20,71	21,59	23,62		26,09	F04220H00200008	●								
																108						20,71	21,59	23,62		26,09	F04220H00200100	●								
																75,0	1,00		1,70	1,90		5,0	0,4	12		78	6	20,28	21,15		23,13	25,54	F04220H00200030	●		
																												108	20,28		21,15	23,13	25,54	F04220H00200137	●	
					78	1,4	12	78		18,18	20,70	22,64	25,00															F04220H00200052	●							
					108					18,18	20,70	22,64	25,00															F04220H00200174	●							
					80,0	1,00	1,70	1,90		5,0	0,4	12	78			6	15,25		20,25	22,14		24,45	F04220H00200074	●												
																	108		15,25	20,25		22,14	24,45	F04220H00200211		●										

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	1,00	1,70	10,0	1,90	25,0	0,4	12	78	6	25,75	26,86	29,41	32,51	F04220H00200009	●		
								108		25,75	26,86	29,41	32,51	F04220H00200101	●		
						0,9		78		25,11	26,19	28,67	31,69	F04220H00200031	●		
								108		25,11	26,19	28,67	31,69	F04220H00200138	●		
						1,4		78		18,18	25,52	27,93	30,87	F04220H00200053	●		
								108		18,18	25,52	27,93	30,87	F04220H00200175	●		
						1,9		78		15,25	23,17	27,19	30,05	F04220H00200075	●		
								108		15,25	23,17	27,19	30,05	F04220H00200212	●		
						30,0		0,4		78	30,80	32,13	35,19	38,93	F04220H00200010	●	
										108	30,80	32,13	35,19	38,93	F04220H00200102	●	
								0,9		78	28,40	31,24	34,21	37,84	F04220H00200032	●	
										108	28,40	31,24	34,21	37,84	F04220H00200139	●	
					1,4			78		18,18	30,34	33,23	36,75	F04220H00200054	●		
								108		18,18	30,34	33,23	36,75	F04220H00200176	●		
					1,9			78		15,25	23,17	32,24	35,65	F04220H00200076	●		
								108		15,25	23,17	32,24	35,65	F04220H00200213	●		
					35,0			0,4		78	35,84	37,40	40,98	-	F04220H00200011	●	
										108	35,84	37,40	40,98	-	F04220H00200103	●	
								0,9		78	28,40	36,28	39,75	-	F04220H00200033	●	
										108	28,40	36,28	39,75	-	F04220H00200140	●	
						1,4		78		18,18	35,16	38,52	-	F04220H00200055	●		
								108		18,18	35,16	38,52	-	F04220H00200177	●		
						1,9		78		15,25	23,17	37,29	-	F04220H00200077	●		
								108		15,25	23,17	37,29	-	F04220H00200214	●		
						40,0		0,4		78	40,88	42,67	46,76	-	F04220H00200012	●	
										108	40,88	42,67	46,76	-	F04220H00200104	●	
								0,9		78	28,40	41,32	45,29	-	F04220H00200034	●	
										108	28,40	41,32	45,29	-	F04220H00200141	●	
					1,4			78		18,18	39,65	43,82	-	F04220H00200056	●		
								108		18,18	39,65	43,82	-	F04220H00200178	●		
					1,9			78		15,25	23,17	42,34	-	F04220H00200078	●		
								108		15,25	23,17	42,34	-	F04220H00200215	●		
					45,0			0,4		25	78	45,41	46,27	48,11	-	F04220H00200013	●
										12	108	45,93	47,94	52,55	-	F04220H00200105	●
								0,9		20	78	28,40	45,77	48,15	-	F04220H00200035	●
										12	108	28,40	46,37	50,83	-	F04220H00200142	●
						1,4		15		78	18,18	39,65	48,13	-	F04220H00200057	●	
								108		18,18	39,65	49,11	-	F04220H00200179	●		
						1,9		78		15,25	23,17	47,39	-	F04220H00200079	●		
								108		15,25	23,17	47,39	-	F04220H00200216	●		
						50,0		0,4		50,97	53,20	-	-	F04220H00200106	●		
								0,9		28,40	51,41	56,37	-	F04220H00200143	●		
								1,4		18,18	39,65	54,41	-	F04220H00200180	●		
								1,9		15,25	23,17	52,44	-	F04220H00200217	●		
					55,0	0,4		56,01		58,47	-	-	F04220H00200107	●			
						0,9		28,40		56,46	-	-	F04220H00200144	●			
						1,4		18,18		39,65	-	-	F04220H00200181	●			
						1,9		15,25		23,17	57,49	-	F04220H00200218	●			
60,0	0,4	61,05	63,74	-	-	F04220H00200108	●										
	0,9	28,40	61,50	-	-	F04220H00200145	●										
	1,4	18,18	39,65	-	-	F04220H00200182	●										
	1,9	15,25	23,17	-	-	F04220H00200219	●										



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

04220

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

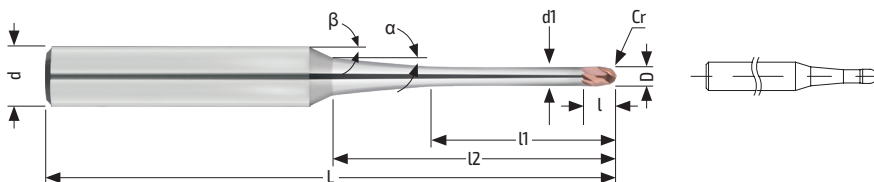
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
2,00	1,00	1,70	10,0	1,90	65,0	12	108	6	6	0,4	66,10	69,01	-	-	F04220H00200109	●	
										0,9	28,40	66,55	-	-	F04220H00200146	●	
										1,4	18,18	39,65	-	-	F04220H00200183	●	
										1,9	15,25	23,17	-	-	F04220H00200220	●	
										0,4	78	25,93	27,04	29,60	32,73	F04220H00200014	●
										0,9	108	25,93	27,04	29,60	32,73	F04220H00200110	●
										1,4	78	25,50	26,59	29,11	32,18	F04220H00200036	●
										1,9	108	25,50	26,59	29,11	32,18	F04220H00200147	●
										0,4	78	25,07	26,15	28,62	31,64	F04220H00200058	●
										0,9	108	25,07	26,15	28,62	31,64	F04220H00200184	●
										1,4	78	22,04	25,70	28,13	31,09	F04220H00200080	●
										1,9	108	22,04	25,70	28,13	31,09	F04220H00200221	●
			0,4	78	30,97	32,31	35,39	39,14	F04220H00200111	●							
			0,9	108	30,33	31,64	34,65	38,33	F04220H00200148	●							
			1,4	78	25,95	30,97	33,91	37,51	F04220H00200185	●							
			1,9	108	22,04	30,30	33,18	36,69	F04220H00200222	●							
			0,4	78	36,01	37,58	41,17	-	F04220H00200112	●							
			0,9	108	35,15	36,68	40,19	-	F04220H00200149	●							
			1,4	78	25,95	35,79	39,21	-	F04220H00200186	●							
			1,9	108	22,04	33,72	38,23	-	F04220H00200223	●							
			0,4	78	41,05	42,85	46,96	-	F04220H00200113	●							
			0,9	108	39,65	41,73	45,73	-	F04220H00200150	●							
			1,4	78	25,95	40,61	44,50	-	F04220H00200187	●							
			1,9	108	22,04	33,72	43,27	-	F04220H00200224	●							
			0,4	78	46,10	48,11	52,75	-	F04220H00200114	●							
			0,9	108	39,65	46,77	51,27	-	F04220H00200151	●							
			1,4	78	25,95	45,43	49,80	-	F04220H00200188	●							
			1,9	108	22,04	33,72	48,32	-	F04220H00200225	●							
			0,4	78	51,14	53,38	-	-	F04220H00200115	●							
			0,9	108	39,65	51,82	56,81	-	F04220H00200152	●							
			1,4	78	25,95	50,25	55,09	-	F04220H00200189	●							
			1,9	108	22,04	33,72	53,37	-	F04220H00200226	●							
			0,4	78	56,18	58,65	-	-	F04220H00200116	●							
			0,9	108	39,65	56,86	-	-	F04220H00200153	●							
			1,4	78	25,95	55,07	-	-	F04220H00200190	●							
			1,9	108	22,04	33,72	-	-	F04220H00200227	●							
			0,4	78	61,23	63,92	-	-	F04220H00200117	●							
			0,9	108	39,65	61,91	-	-	F04220H00200154	●							
			1,4	78	25,95	57,14	-	-	F04220H00200191	●							
			1,9	108	22,04	33,72	-	-	F04220H00200228	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock					
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°							
2,00	1,00	1,70	20,0	1,90	30,0	0,4	12	78	6	31,14	32,49	35,58	-	F04220H00200019	●					
										108	31,14	32,49	35,58	-	F04220H00200119	●				
						78				30,71	32,04	35,09	38,82	F04220H00200041	●					
						108				30,71	32,04	35,09	38,82	F04220H00200156	●					
						78				30,28	31,59	34,60	38,27	F04220H00200063	●					
						108				30,28	31,59	34,60	38,27	F04220H00200193	●					
						78				28,82	31,15	34,11	37,73	F04220H00200085	●					
						108				28,82	31,15	34,11	37,73	F04220H00200230	●					
						78				36,18	37,76	41,37	-	F04220H00200020	●					
						108				36,18	37,76	41,37	-	F04220H00200120	●					
						78				35,54	37,09	40,63	-	F04220H00200042	●					
						108				35,54	37,09	40,63	-	F04220H00200157	●					
					78	33,73	36,41	39,90		-	F04220H00200064	●								
					108	33,73	36,41	39,90		-	F04220H00200194	●								
					78	28,82	35,74	39,16		-	F04220H00200086	●								
					108	28,82	35,74	39,16		-	F04220H00200231	●								
					78	41,23	43,02	47,16		-	F04220H00200021	●								
					108	41,23	43,02	47,16		-	F04220H00200121	●								
					78	40,37	42,13	46,17		-	F04220H00200043	●								
					108	40,37	42,13	46,17		-	F04220H00200158	●								
					78	33,73	41,24	45,19		-	F04220H00200065	●								
					108	33,73	41,24	45,19		-	F04220H00200195	●								
					78	28,82	40,34	44,21		-	F04220H00200087	●								
					108	28,82	40,34	44,21		-	F04220H00200232	●								
					78	45,56	46,43	48,27		-	F04220H00200022	●								
					108	46,27	48,29	52,94		-	F04220H00200122	●								
					78	45,11	46,22	48,62		-	F04220H00200044	●								
					108	45,20	47,17	51,72		-	F04220H00200159	●								
					78	33,73	45,59	47,96		-	F04220H00200066	●								
					108	33,73	46,06	50,49		-	F04220H00200196	●								
					78	28,82	44,28	48,24		-	F04220H00200088	●								
					108	28,82	44,28	49,26		-	F04220H00200233	●								
					78	51,31	53,56	-		-	F04220H00200123	●								
					108	50,03	52,22	57,26		-	F04220H00200160	●								
					78	33,73	50,88	55,78		-	F04220H00200197	●								
					108	28,82	44,28	54,31		-	F04220H00200234	●								
					78	56,35	58,83	-		-	F04220H00200124	●								
					108	50,90	57,26	-		-	F04220H00200161	●								
					78	33,73	55,70	-		-	F04220H00200198	●								
					108	28,82	44,28	-		-	F04220H00200235	●								
					78	61,40	64,10	-		-	F04220H00200125	●								
					108	50,90	62,31	-		-	F04220H00200162	●								
					78	33,73	60,52	-		-	F04220H00200199	●								
					108	28,82	44,28	-		-	F04220H00200236	●								
					2,50	1,25	2,10	5,0		2,40	15,0	0,4	12	78	15,49	16,12	17,59	19,37	F04220H00250001	●
															108	15,49	16,12	17,59	19,37	F04220H00250089
												78			15,06	15,68	17,10	18,83	F04220H00250023	●
												108			15,06	15,68	17,10	18,83	F04220H00250126	●
78	10,26	15,23	16,60	18,28					F04220H00250045			●								
108	10,26	15,23	16,60	18,28					F04220H00250163			●								
78	8,38	12,34	16,11	17,74					F04220H00250067			●								
108	8,38	12,34	16,11	17,74					F04220H00250200			●								



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels

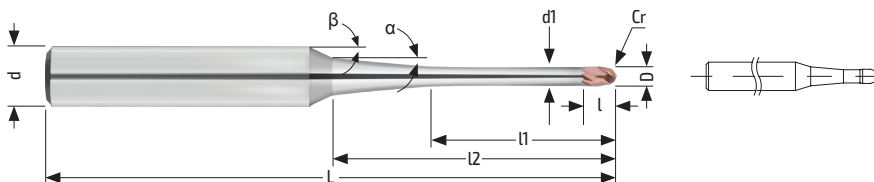
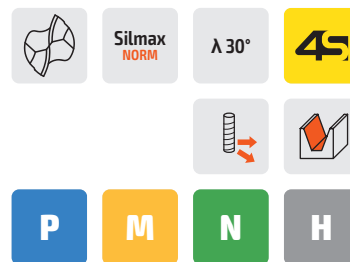


Non ISO Not ISO



# 04220

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato  
 2 flute ball nose end mill for ribbing with tapered neck and reinforced shank  
 Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise hémisphérique à deux dents pour nervures queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	1,25	2,10	5,0	2,40	20,0	0,4	12	6	6	20,53	21,39	23,37	25,79	F04220H00250002	●	
										108	20,53	21,39	23,37	25,79	F04220H00250090	●
										78	16,84	20,72	22,64	24,97	F04220H00250024	●
										108	16,84	20,72	22,64	24,97	F04220H00250127	●
										78	10,26	20,05	21,90	24,15	F04220H00250046	●
										108	10,26	20,05	21,90	24,15	F04220H00250164	●
										78	8,38	12,34	21,16	23,34	F04220H00250068	●
										108	8,38	12,34	21,16	23,34	F04220H00250201	●
										78	25,57	26,66	29,16	32,21	F04220H00250003	●
										108	25,57	26,66	29,16	32,21	F04220H00250091	●
										78	16,84	25,77	28,18	31,12	F04220H00250025	●
										108	16,84	25,77	28,18	31,12	F04220H00250128	●
					78	10,26	21,53	27,19	30,03	F04220H00250047	●					
					108	10,26	21,53	27,19	30,03	F04220H00250165	●					
					78	8,38	12,34	26,21	28,94	F04220H00250069	●					
					108	8,38	12,34	26,21	28,94	F04220H00250202	●					
					78	30,61	31,93	34,95	-	F04220H00250004	●					
					108	30,61	31,93	34,95	-	F04220H00250092	●					
					78	16,84	30,81	33,72	-	F04220H00250026	●					
					108	16,84	30,81	33,72	-	F04220H00250129	●					
					78	10,26	21,53	32,49	-	F04220H00250048	●					
					108	10,26	21,53	32,49	-	F04220H00250166	●					
					78	8,38	12,34	31,26	34,54	F04220H00250070	●					
					108	8,38	12,34	31,26	34,54	F04220H00250203	●					
					78	35,66	37,20	40,73	-	F04220H00250005	●					
					108	35,66	37,20	40,73	-	F04220H00250093	●					
					78	16,84	35,86	39,26	-	F04220H00250027	●					
					108	16,84	35,86	39,26	-	F04220H00250130	●					
					78	10,26	21,53	37,78	-	F04220H00250049	●					
					108	10,26	21,53	37,78	-	F04220H00250167	●					
					78	8,38	12,34	36,31	-	F04220H00250071	●					
					108	8,38	12,34	36,31	-	F04220H00250204	●					
					78	40,70	42,47	46,52	-	F04220H00250006	●					
					108	40,70	42,47	46,52	-	F04220H00250094	●					
					78	16,84	40,90	44,80	-	F04220H00250028	●					
					108	16,84	40,90	44,80	-	F04220H00250131	●					
					78	10,26	21,53	43,08	-	F04220H00250050	●					
					108	10,26	21,53	43,08	-	F04220H00250168	●					
					78	8,38	12,34	41,36	-	F04220H00250072	●					
					108	8,38	12,34	41,36	-	F04220H00250205	●					

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										€ 0,5°	€ 1,0°	€ 2,0°	€ 3,0°		
2,50	1,25	2,10	5,0	2,40	20,0	0,4	12	78	6	45,42	46,54	48,94	-	F04220H00250007	●
										45,74	47,73	-	-	F04220H00250095	●
										16,84	45,73	49,07	-	F04220H00250029	●
										16,84	45,94	50,34	-	F04220H00250132	●
										10,26	21,53	48,37	-	F04220H00250051	●
										10,26	21,53	48,37	-	F04220H00250169	●
										8,38	12,34	46,41	-	F04220H00250073	●
										8,38	12,34	46,41	-	F04220H00250206	●
										50,79	53,00	-	-	F04220H00250096	●
										16,84	50,99	-	-	F04220H00250133	●
										10,26	21,53	-	-	F04220H00250170	●
										8,38	12,34	-	-	F04220H00250207	●
										55,83	58,27	-	-	F04220H00250097	●
										16,84	56,03	-	-	F04220H00250134	●
										10,26	21,53	-	-	F04220H00250171	●
										8,38	12,34	-	-	F04220H00250208	●
										60,87	63,54	-	-	F04220H00250098	●
										16,84	61,08	-	-	F04220H00250135	●
										10,26	21,53	-	-	F04220H00250172	●
										8,38	12,34	-	-	F04220H00250209	●
										65,91	68,81	-	-	F04220H00250099	●
										16,84	66,12	-	-	F04220H00250136	●
										10,26	21,53	-	-	F04220H00250173	●
										8,38	12,34	-	-	F04220H00250210	●
										20,70	21,57	23,57	26,01	F04220H00250008	●
										20,70	21,57	23,57	26,01	F04220H00250100	●
										20,27	21,12	23,08	25,46	F04220H00250030	●
										20,27	21,12	23,08	25,46	F04220H00250137	●
										18,04	20,68	22,59	24,92	F04220H00250052	●
										18,04	20,68	22,59	24,92	F04220H00250174	●
										15,16	20,23	22,09	24,37	F04220H00250074	●
										15,16	20,23	22,09	24,37	F04220H00250211	●
										25,74	26,84	29,36	32,43	F04220H00250009	●
										25,74	26,84	29,36	32,43	F04220H00250101	●
										25,10	26,17	28,62	31,61	F04220H00250031	●
										25,10	26,17	28,62	31,61	F04220H00250138	●
										18,04	25,50	27,88	30,79	F04220H00250053	●
										18,04	25,50	27,88	30,79	F04220H00250175	●
										15,16	22,89	27,14	29,97	F04220H00250075	●
										15,16	22,89	27,14	29,97	F04220H00250212	●
										30,79	32,11	35,14	-	F04220H00250010	●
										30,79	32,11	35,14	-	F04220H00250102	●
										28,09	31,21	34,16	-	F04220H00250032	●
										28,09	31,21	34,16	-	F04220H00250139	●
										18,04	30,32	33,18	-	F04220H00250054	●
										18,04	30,32	33,18	-	F04220H00250176	●
										15,16	22,89	32,19	-	F04220H00250076	●
										15,16	22,89	32,19	-	F04220H00250213	●
										35,83	37,38	40,93	-	F04220H00250011	●
										35,83	37,38	40,93	-	F04220H00250103	●
										28,09	36,26	39,70	-	F04220H00250033	●
										28,09	36,26	39,70	-	F04220H00250140	●
										18,04	35,14	38,47	-	F04220H00250055	●
										18,04	35,14	38,47	-	F04220H00250177	●
										15,16	22,89	37,24	-	F04220H00250077	●
										15,16	22,89	37,24	-	F04220H00250214	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

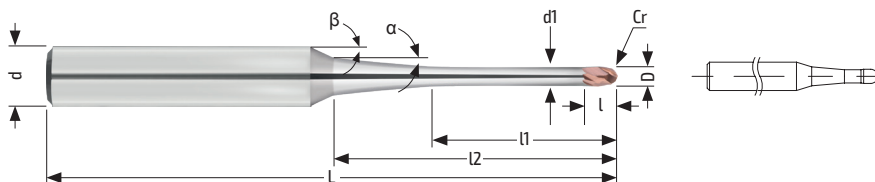
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
2,50	1,25	2,10	10,0	2,40	12	0,4	12	78	6	40,87	42,64	46,72	-	F04220H00250012	●	
										108	40,87	42,64	46,72	-	F04220H00250104	●
										78	28,09	41,30	45,24	-	F04220H00250034	●
										108	28,09	41,30	45,24	-	F04220H00250141	●
										78	18,04	39,02	43,77	-	F04220H00250056	●
										108	18,04	39,02	43,77	-	F04220H00250178	●
										78	15,16	22,89	42,29	-	F04220H00250078	●
										108	15,16	22,89	42,29	-	F04220H00250215	●
										78	45,52	46,64	49,05	-	F04220H00250013	●
										108	45,91	47,91	-	-	F04220H00250105	●
										78	28,09	46,05	49,41	-	F04220H00250035	●
										108	28,09	46,35	50,78	-	F04220H00250142	●
										78	18,04	39,02	49,06	-	F04220H00250057	●
										108	18,04	39,02	49,06	-	F04220H00250179	●
										78	15,16	22,89	47,34	-	F04220H00250079	●
										108	15,16	22,89	47,34	-	F04220H00250216	●
										78	50,96	53,18	-	-	F04220H00250106	●
										108	28,09	51,39	-	-	F04220H00250143	●
										78	18,04	39,02	-	-	F04220H00250180	●
										108	15,16	22,89	-	-	F04220H00250217	●
										78	56,00	58,45	-	-	F04220H00250107	●
										108	28,09	56,44	-	-	F04220H00250144	●
										78	18,04	39,02	-	-	F04220H00250181	●
										108	15,16	22,89	-	-	F04220H00250218	●
										78	61,04	63,72	-	-	F04220H00250108	●
										108	28,09	61,48	-	-	F04220H00250145	●
										78	18,04	39,02	-	-	F04220H00250182	●
										108	15,16	22,89	-	-	F04220H00250219	●
										78	66,09	68,99	-	-	F04220H00250109	●
										108	28,09	66,53	-	-	F04220H00250146	●
										78	18,04	39,02	-	-	F04220H00250183	●
										108	15,16	22,89	-	-	F04220H00250220	●
										78	25,91	27,02	29,55	32,64	F04220H00250014	●
										108	25,91	27,02	29,55	32,64	F04220H00250110	●
										78	25,49	26,57	29,06	32,10	F04220H00250036	●
										108	25,49	26,57	29,06	32,10	F04220H00250147	●
										78	25,06	26,12	28,57	31,55	F04220H00250058	●
										108	25,06	26,12	28,57	31,55	F04220H00250184	●
										78	21,95	25,68	28,08	31,01	F04220H00250080	●
										108	21,95	25,68	28,08	31,01	F04220H00250221	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
2,50	1,25	2,10	15,0	2,40	30,0	0,4	12	108	6	30,96	32,29	35,34	-	F04220H00250111	●
						0,9				30,32	31,62	34,60	-	F04220H00250148	●
						1,4				25,81	30,94	33,86	-	F04220H00250185	●
						1,9				21,95	30,27	33,13	-	F04220H00250222	●
						0,4				36,00	37,56	41,13	-	F04220H00250112	●
						0,9				35,14	36,66	40,14	-	F04220H00250149	●
						1,4				25,81	35,77	39,16	-	F04220H00250186	●
						1,9				21,95	33,45	38,18	-	F04220H00250223	●
						0,4				41,04	42,82	46,91	-	F04220H00250113	●
						0,9				39,34	41,71	45,68	-	F04220H00250150	●
						1,4				25,81	40,59	44,45	-	F04220H00250187	●
						1,9				21,95	33,45	43,23	-	F04220H00250224	●
					0,4	46,09	48,09			-	-	F04220H00250114	●		
					0,9	39,34	46,75			51,22	-	F04220H00250151	●		
					1,4	25,81	45,41			49,75	-	F04220H00250188	●		
					1,9	21,95	33,45			48,27	-	F04220H00250225	●		
					0,4	51,13	53,36			-	-	F04220H00250115	●		
					0,9	39,34	51,79			-	-	F04220H00250152	●		
					1,4	25,81	50,23			-	-	F04220H00250189	●		
					1,9	21,95	33,45			-	-	F04220H00250226	●		
					0,4	56,17	58,63			-	-	F04220H00250116	●		
					0,9	39,34	56,84			-	-	F04220H00250153	●		
					1,4	25,81	55,05			-	-	F04220H00250190	●		
					1,9	21,95	33,45			-	-	F04220H00250227	●		
			0,4		61,21	63,90	-			-	F04220H00250117	●			
			0,9		39,34	61,88	-			-	F04220H00250154	●			
			1,4		25,81	56,52	-			-	F04220H00250191	●			
			1,9		21,95	33,45	-			-	F04220H00250228	●			
			0,4		31,13	32,47	35,54			-	F04220H00250019	●			
			0,9		31,13	32,47	35,54			-	F04220H00250119	●			
			1,4		30,70	32,02	35,04			-	F04220H00250041	●			
			1,9		30,70	32,02	35,04			-	F04220H00250156	●			
			0,4		30,27	31,57	34,55			-	F04220H00250063	●			
			0,9		30,27	31,57	34,55			-	F04220H00250193	●			
			1,4		28,73	31,12	34,06			-	F04220H00250085	●			
			1,9		28,73	31,12	34,06			-	F04220H00250230	●			
			0,4		36,17	37,73	41,32			-	F04220H00250020	●			
			0,9		36,17	37,73	41,32			-	F04220H00250120	●			
			1,4		35,53	37,06	40,58			-	F04220H00250042	●			
			1,9		35,53	37,06	40,58			-	F04220H00250157	●			
			0,4		33,59	36,39	39,85			-	F04220H00250064	●			
			0,9		33,59	36,39	39,85			-	F04220H00250194	●			
			1,4		28,73	35,72	39,11			-	F04220H00250086	●			
			1,9		28,73	35,72	39,11			-	F04220H00250231	●			
			0,4		41,21	43,00	47,11			-	F04220H00250021	●			
			0,9		41,21	43,00	47,11			-	F04220H00250121	●			
			1,4		40,36	42,11	46,13			-	F04220H00250043	●			
			1,9		40,36	42,11	46,13			-	F04220H00250158	●			
			0,4		33,59	41,21	45,14			-	F04220H00250065	●			
			0,9		33,59	41,21	45,14			-	F04220H00250195	●			
			1,4		28,73	40,32	44,16			-	F04220H00250087	●			
			1,9		28,73	40,32	44,16			-	F04220H00250232	●			



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

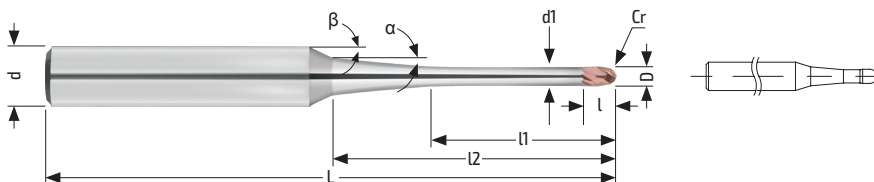


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock										
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°												
2,50	1,25	2,10	20,0	2,40	45,0	0,4	12	78	6	45,72	46,84	49,26	-	F04220H00250022	●										
										46,26	48,27	-	-	F04220H00250122	●										
										45,10	46,21	48,60	-	F04220H00250044	●										
										45,19	47,15	-	-	F04220H00250159	●										
						1,4				108	33,59	45,80	49,14	-	F04220H00250066	●									
											33,59	46,03	50,44	-	F04220H00250196	●									
											28,73	44,00	49,21	-	F04220H00250088	●									
											28,73	44,00	49,21	-	F04220H00250233	●									
						1,9					78	51,30	53,54	-	-	F04220H00250123	●								
												50,02	52,20	-	-	F04220H00250160	●								
												33,59	50,85	-	-	F04220H00250197	●								
												28,73	44,00	-	-	F04220H00250234	●								
					0,4	108	55,0	56,34				58,81	-	-	F04220H00250124	●									
								50,59				57,24	-	-	F04220H00250161	●									
								33,59				55,68	-	-	F04220H00250198	●									
								28,73				44,00	-	-	F04220H00250235	●									
					0,9			78		60,0		61,39	64,08	-	-	F04220H00250125	●								
												50,59	62,29	-	-	F04220H00250162	●								
												33,59	60,50	-	-	F04220H00250199	●								
												28,73	44,00	-	-	F04220H00250236	●								
					3,00						1,50	2,50	10,0	2,90	20,0	0,4	12	78	6	20,69	21,55	23,52	25,93	F04220H00300001	●
																				20,69	21,55	23,52	25,93	F04220H00300073	●
																				20,26	21,10	23,03	25,38	F04220H00300019	●
																				20,26	21,10	23,03	25,38	F04220H00300103	●
17,90	20,65	22,54	24,84	F04220H00300037		●																			
17,90	20,65	22,54	24,84	F04220H00300133		●																			
15,07	20,21	22,05	24,29	F04220H00300055		●																			
15,07	20,21	22,05	24,29	F04220H00300163		●																			
25,0	0,4	108	25,73	26,82		29,31	-	F04220H00300002	●																
			25,73	26,82		29,31	-	F04220H00300074	●																
			25,09	26,15		28,57	-	F04220H00300020	●																
			25,09	26,15		28,57	-	F04220H00300104	●																
			17,90	25,47		27,83	-	F04220H00300038	●																
			17,90	25,47		27,83	-	F04220H00300134	●																
			15,07	22,62		27,10	29,89	F04220H00300056	●																
			15,07	22,62		27,10	29,89	F04220H00300164	●																
			0,9	78		25,0	25,09	26,15	28,57	-					F04220H00300020	●									
							25,09	26,15	28,57	-					F04220H00300104	●									
							17,90	25,47	27,83	-					F04220H00300038	●									
							17,90	25,47	27,83	-					F04220H00300134	●									
1,4	108	25,0	15,07				22,62	27,10	29,89	F04220H00300056					●										
			15,07				22,62	27,10	29,89	F04220H00300164					●										
			15,07				22,62	27,10	29,89	F04220H00300056					●										
			15,07				22,62	27,10	29,89	F04220H00300164					●										

- Disponibilità pronta consegna / Available for prompt delivery
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- Disponibilità su richiesta / Available on request



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04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock																								
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°																										
3,00	1,50	2,50	10,0	2,90	30,0	0,4	12	78	6	30,78	32,09	35,09	-	F04220H00300003	●																								
										108	30,78	32,09	35,09	-	F04220H00300075	●																							
						0,9				78	27,78	31,19	34,11	-	F04220H00300021	●																							
										108	27,78	31,19	34,11	-	F04220H00300105	●																							
						1,4				78	17,90	30,30	33,13	-	F04220H00300039	●																							
										108	17,90	30,30	33,13	-	F04220H00300135	●																							
						1,9				78	15,07	22,62	32,14	-	F04220H00300057	●																							
										108	15,07	22,62	32,14	-	F04220H00300165	●																							
						35,0				0,4	12	78	78	35,0	0,4	12	108	6	35,82	37,35	40,88	-	F04220H00300004	●															
																			108	35,82	37,35	40,88	-	F04220H00300076	●														
										0,9					78				27,78	36,24	39,65	-	F04220H00300022	●															
															108				27,78	36,24	39,65	-	F04220H00300106	●															
					1,4			78		17,90					35,12				38,42	-	F04220H00300040	●																	
								108		17,90					35,12				38,42	-	F04220H00300136	●																	
					1,9			78		15,07					22,62				37,19	-	F04220H00300058	●																	
								108		15,07					22,62				37,19	-	F04220H00300166	●																	
					40,0			0,4		15					78				78	40,0	0,4	15	108	6	40,86	42,62	-	-	F04220H00300005	●									
																									108	40,86	42,62	-	-	F04220H00300077	●								
								0,9													78				27,78	41,28	-	-	F04220H00300023	●									
																					108				27,78	41,28	-	-	F04220H00300107	●									
						1,4		78				17,90	38,40	43,72			-				F04220H00300041				●														
								108				17,90	38,40	43,72			-				F04220H00300137				●														
						1,9		78				15,07	22,62	42,24			-				F04220H00300059				●														
								108				15,07	22,62	42,24			-				F04220H00300167				●														
						45,0		0,4				15	78	78			45,0				0,4				15	108	6	45,71	47,25	-	-	F04220H00300006	●						
																												108	45,90	47,89	-	-	F04220H00300078	●					
								0,9													78							27,78	46,32	-	-	F04220H00300024	●						
																					108							27,78	46,32	-	-	F04220H00300108	●						
					1,4			78							17,90				38,40	-	-		F04220H00300042					●											
								108							17,90				38,40	-	-		F04220H00300138					●											
					1,9			78							15,07				22,62	-	-		F04220H00300060					●											
								108							15,07				22,62	-	-		F04220H00300168					●											
					50,0			0,4							12				78	78	50,0		0,4					12	108	6	50,95	53,16	-	-	F04220H00300079	●			
																															108	27,78	51,37	-	-	F04220H00300109	●		
								0,9															78								17,90	38,40	-	-	F04220H00300139	●			
																							108								15,07	22,62	-	-	F04220H00300169	●			
						1,4		78					55,99	58,43			-						-			F04220H00300080					●								
								108					27,78	56,41			-						-			F04220H00300110					●								
						1,9		78					17,90	38,40			-						-			F04220H00300140					●								
								108					15,07	22,62			-						-			F04220H00300170					●								
						55,0		0,4					12	78			78						55,0			0,4					12	108	6	61,03	63,70	-	-	F04220H00300081	●
																																		108	27,78	61,46	-	-	F04220H00300111
								0,9																		78								17,90	38,40	-	-	F04220H00300141	●
																										108								15,07	22,62	-	-	F04220H00300171	●
					1,4			78											25,90	27,00	29,50					-			F04220H00300007					●					
								108											25,90	27,00	29,50					-			F04220H00300082					●					
					1,9			78											25,48	26,55	29,01					-			F04220H00300025					●					
								108											25,48	26,55	29,01					-			F04220H00300112					●					
60,0	0,4	12	78	78	60,0		0,4	12	108										6	25,05	26,10					28,52			-					F04220H00300043	●				
																				108	25,05					26,10			28,52					-	F04220H00300142	●			
	0,9						78													21,86	25,65					28,03			-					F04220H00300061	●				
							108													21,86	25,65					28,03			-					F04220H00300172	●				
	1,4					78	25,90							27,00			29,50			-	F04220H00300007		●																
						108	25,90							27,00			29,50			-	F04220H00300082		●																
	1,9					78	25,48							26,55			29,01			-	F04220H00300025		●																
						108	25,48							26,55			29,01			-	F04220H00300112		●																
	25,0					0,4	12				78			78		25,0	0,4	12		108	6		25,05			26,10			28,52			-		F04220H00300043	●				
																							108			25,05			26,10			28,52		-	F04220H00300142	●			
						0,9											78						21,86			25,65			28,03			-		F04220H00300061	●				
																	108						21,86			25,65			28,03			-		F04220H00300172	●				
1,4			78	25,90	27,00	29,50			-								F04220H00300007						●																
			108	25,90	27,00	29,50			-								F04220H00300082						●																
1,9			78	25,48	26,55	29,01			-								F04220H00300025						●																
			108	25,48	26,55	29,01			-								F04220H00300112						●																



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



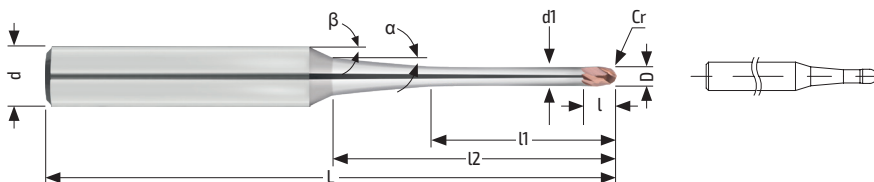
Acciai Temprati Hardened Steels



Non ISO Not ISO

# 04220

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato  
 2 flute ball nose end mill for ribbing with tapered neck and reinforced shank  
 Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft  
 Fraise hémisphérique à deux dents pour nervures queue renforcée



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	1,50	2,50	15,0	2,90	30,0	0,4	12	78	6	30,95	32,26	35,29	-	F04220H00300008	●	
										108	30,95	32,26	35,29	-	F04220H00300083	●
										78	30,30	31,59	34,55	-	F04220H00300026	●
										108	30,30	31,59	34,55	-	F04220H00300113	●
										78	25,68	30,92	33,82	-	F04220H00300044	●
										108	25,68	30,92	33,82	-	F04220H00300143	●
						78				21,86	30,25	33,08	-	F04220H00300062	●	
						108				21,86	30,25	33,08	-	F04220H00300173	●	
						78				35,99	37,53	41,08	-	F04220H00300009	●	
						108				35,99	37,53	41,08	-	F04220H00300084	●	
						78				35,13	36,64	40,09	-	F04220H00300027	●	
						108				35,13	36,64	40,09	-	F04220H00300114	●	
					78	25,68	35,74	39,11		-	F04220H00300045	●				
					108	25,68	35,74	39,11		-	F04220H00300144	●				
					78	21,86	33,17	38,13		-	F04220H00300063	●				
					108	21,86	33,17	38,13		-	F04220H00300174	●				
					78	41,03	42,80	-		-	F04220H00300010	●				
					108	41,03	42,80	-		-	F04220H00300085	●				
					78	39,03	41,68	-		-	F04220H00300028	●				
					108	39,03	41,68	-		-	F04220H00300115	●				
					78	25,68	40,56	44,41		-	F04220H00300046	●				
					108	25,68	40,56	44,41		-	F04220H00300145	●				
					78	21,86	33,17	43,18		-	F04220H00300064	●				
					108	21,86	33,17	43,18		-	F04220H00300175	●				
					78	45,61	46,73	-		-	F04220H00300011	●				
					108	46,08	48,07	-		-	F04220H00300086	●				
					78	39,03	46,34	-		-	F04220H00300029	●				
					108	39,03	46,73	-		-	F04220H00300116	●				
					78	25,68	45,39	-		-	F04220H00300047	●				
					108	25,68	45,39	-		-	F04220H00300146	●				
					78	21,86	33,17	-		-	F04220H00300065	●				
					108	21,86	33,17	-		-	F04220H00300176	●				
					78	51,12	53,34	-		-	F04220H00300087	●				
					108	39,03	51,77	-		-	F04220H00300117	●				
					78	25,68	50,21	-		-	F04220H00300147	●				
					108	21,86	33,17	-		-	F04220H00300177	●				
					78	56,16	58,61	-		-	F04220H00300088	●				
					108	39,03	56,82	-		-	F04220H00300118	●				
					78	25,68	55,03	-		-	F04220H00300148	●				
					108	21,86	33,17	-		-	F04220H00300178	●				

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
 Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock			
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°					
3,00	1,50	2,50	15,0	2,90	60,0	0,4	12	108	6	61,20	63,87	-	-	F04220H00300089	●			
						0,9				39,03	61,86	-	-	F04220H00300119	●			
						1,4				25,68	55,89	-	-	F04220H00300149	●			
						1,9				21,86	33,17	-	-	F04220H00300179	●			
						30,0				0,4	31,12	32,44	35,49	-	F04220H00300012	●		
										0,9	31,12	32,44	35,49	-	F04220H00300090	●		
										1,4	30,69	32,00	34,99	-	F04220H00300030	●		
										1,9	30,69	32,00	34,99	-	F04220H00300120	●		
										35,0	0,4	30,26	31,55	34,50	-	F04220H00300048	●	
											0,9	30,26	31,55	34,50	-	F04220H00300150	●	
											1,4	28,64	31,10	34,01	-	F04220H00300066	●	
											1,9	28,64	31,10	34,01	-	F04220H00300180	●	
					40,0						0,4	28,64	31,10	34,01	-	F04220H00300013	●	
											0,9	36,16	37,71	41,27	-	F04220H00300091	●	
											1,4	36,16	37,71	41,27	-	F04220H00300031	●	
											1,9	35,52	37,04	40,54	-	F04220H00300121	●	
						45,0					0,4	35,52	37,04	40,54	-	F04220H00300049	●	
											0,9	33,45	36,37	39,80	-	F04220H00300151	●	
											1,4	33,45	36,37	39,80	-	F04220H00300067	●	
											1,9	28,64	35,70	39,06	-	F04220H00300181	●	
										50,0	0,4	28,64	35,70	39,06	-	F04220H00300014	●	
											0,9	41,20	42,98	-	-	F04220H00300092	●	
											1,4	41,20	42,98	-	-	F04220H00300032	●	
											1,9	40,35	42,09	-	-	F04220H00300122	●	
			55,0		0,4						40,35	42,09	-	-	F04220H00300050	●		
					0,9						33,45	41,19	-	-	F04220H00300152	●		
					1,4						33,45	41,19	-	-	F04220H00300068	●		
					1,9						28,64	40,30	44,11	-	F04220H00300182	●		
					60,0	0,4					20	78	45,71	46,83	-	-	F04220H00300015	●
						0,9					12	108	46,25	48,25	-	-	F04220H00300093	●
						1,4					15	78	45,14	46,66	-	-	F04220H00300033	●
						1,9					15	108	45,18	47,13	-	-	F04220H00300123	●
						65,0				0,4	78	33,45	46,01	-	-	-	F04220H00300051	●
										0,9	78	33,45	46,01	-	-	-	F04220H00300153	●
										1,4	78	28,64	43,72	-	-	-	F04220H00300069	●
										1,9	78	28,64	43,72	-	-	-	F04220H00300183	●
			70,0							0,4	51,29	53,52	-	-	-	-	F04220H00300094	●
										0,9	50,00	52,17	-	-	-	-	F04220H00300124	●
										1,4	33,45	50,83	-	-	-	-	F04220H00300154	●
										1,9	28,64	43,72	-	-	-	-	F04220H00300184	●
					75,0					0,4	56,33	58,79	-	-	-	-	F04220H00300095	●
										0,9	50,28	57,22	-	-	-	-	F04220H00300125	●
										1,4	33,45	55,65	-	-	-	-	F04220H00300155	●
										1,9	28,64	43,72	-	-	-	-	F04220H00300185	●
						80,0				0,4	61,37	64,05	-	-	-	-	F04220H00300096	●
										0,9	50,28	62,26	-	-	-	-	F04220H00300126	●
										1,4	33,45	60,47	-	-	-	-	F04220H00300156	●
										1,9	28,64	43,72	-	-	-	-	F04220H00300186	●
85,0	0,4	36,33	37,89	41,47			-	-	-	F04220H00300016	●							
	0,9	36,33	37,89	41,47			-	-	-	F04220H00300097	●							
	1,4	35,90	37,44	40,98			-	-	-	F04220H00300034	●							
	1,9	35,90	37,44	40,98			-	-	-	F04220H00300127	●							
	90,0	0,4	35,48	37,00	40,49		-	-	-	F04220H00300052	●							
		0,9	35,48	37,00	40,49		-	-	-	F04220H00300157	●							
		1,4	35,05	36,55	39,99		-	-	-	F04220H00300070	●							
		1,9	35,05	36,55	39,99		-	-	-	F04220H00300187	●							



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO



**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

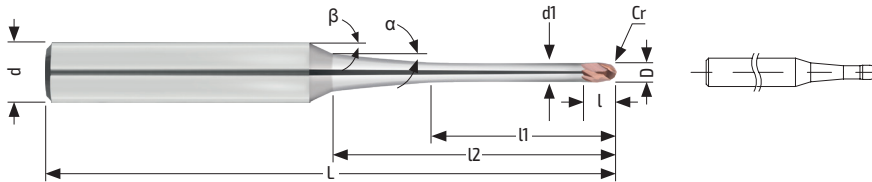
2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschiff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
3,00	1,50	2,50	25,0	2,90	40,0	0,4	12	78	6	41,37	43,16	-	-	F04220H00300017	●	
								108		41,37	43,16	-	-	F04220H00300098	●	
								78		40,73	42,49	-	-	F04220H00300035	●	
								108		40,73	42,49	-	-	F04220H00300128	●	
								78		40,09	41,82	-	-	F04220H00300053	●	
								108		40,09	41,82	-	-	F04220H00300158	●	
						78	35,43	41,15		-	-	F04220H00300071	●			
						108	35,43	41,15		-	-	F04220H00300188	●			
						78	45,81	46,93		-	-	F04220H00300018	●			
						108	46,42	48,43		-	-	F04220H00300099	●			
						78	45,44	46,97		-	-	F04220H00300036	●			
						108	45,56	47,53		-	-	F04220H00300129	●			
					45,0	0,4	15	108		78	41,23	46,27	-	-	F04220H00300054	●
										108	41,23	46,64	-	-	F04220H00300159	●
										78	35,43	45,74	-	-	F04220H00300072	●
										108	35,43	45,74	-	-	F04220H00300189	●
										78	51,46	53,70	-	-	F04220H00300100	●
										108	50,39	52,58	-	-	F04220H00300130	●
						0,9	12	108		78	41,23	51,46	-	-	F04220H00300160	●
										108	35,43	50,34	-	-	F04220H00300190	●
										78	56,50	58,96	-	-	F04220H00300101	●
										108	55,22	57,62	-	-	F04220H00300131	●
										78	41,23	56,28	-	-	F04220H00300161	●
										108	35,43	54,27	-	-	F04220H00300191	●
1,4	12	108	78	61,55	64,23	-	-	F04220H00300102	●							
			108	60,05	62,67	-	-	F04220H00300132	●							
			78	41,23	61,10	-	-	F04220H00300162	●							
			108	35,43	54,27	-	-	F04220H00300192	●							
			78	20,67	21,50	23,42	-	F04220H00400001	●							
			108	20,67	21,50	23,42	-	F04220H00400073	●							
4,00	2,00	3,30	10,0	3,90	20,0	0,4	78	20,24	21,06	22,93	-	F04220H00400019	●			
							108	20,24	21,06	22,93	-	F04220H00400103	●			
							78	17,62	20,61	22,44	-	F04220H00400037	●			
							108	17,62	20,61	22,44	-	F04220H00400133	●			
						0,9	78	14,90	20,16	21,95	-	F04220H00400055	●			
							108	14,90	20,16	21,95	-	F04220H00400163	●			
							78									
							108									

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
4,00	2,00	3,30	10,0	3,90	25,0	0,4	12	6	78	25,71	26,77	29,21	-	F04220H00400002	●	
									108	25,71	26,77	29,21	-	F04220H00400074	●	
						0,9			78	25,07	26,10	28,47	-	F04220H00400020	●	
									108	25,07	26,10	28,47	-	F04220H00400104	●	
						1,4			78	17,62	25,43	27,73	-	F04220H00400038	●	
									108	17,62	25,43	27,73	-	F04220H00400134	●	
						1,9			78	14,90	22,06	27,00	-	F04220H00400056	●	
									108	14,90	22,06	27,00	-	F04220H00400164	●	
						30,0			0,4	78	30,75	32,04	-	-	F04220H00400003	●
										108	30,75	32,04	-	-	F04220H00400075	●
									0,9	78	27,15	31,15	-	-	F04220H00400021	●
										108	27,15	31,15	-	-	F04220H00400105	●
					1,4		78	17,62	30,25	-	-	F04220H00400039	●			
							108	17,62	30,25	-	-	F04220H00400135	●			
					1,9		78	14,90	22,06	-	-	F04220H00400057	●			
							108	14,90	22,06	-	-	F04220H00400165	●			
					35,0		0,4	78	35,80	37,31	-	-	F04220H00400004	●		
								108	35,80	37,31	-	-	F04220H00400076	●		
							0,9	78	27,15	36,19	-	-	F04220H00400022	●		
								108	27,15	36,19	-	-	F04220H00400106	●		
						1,4	78	17,62	35,07	-	-	F04220H00400040	●			
							108	17,62	35,07	-	-	F04220H00400136	●			
						1,9	78	14,90	22,06	-	-	F04220H00400058	●			
							108	14,90	22,06	-	-	F04220H00400166	●			
						40,0	0,4	78	40,84	42,58	-	-	F04220H00400005	●		
								108	40,84	42,58	-	-	F04220H00400077	●		
							0,9	78	27,15	41,24	-	-	F04220H00400023	●		
								108	27,15	41,24	-	-	F04220H00400107	●		
					1,4		78	17,62	37,15	-	-	F04220H00400041	●			
							108	17,62	37,15	-	-	F04220H00400137	●			
					1,9		78	14,90	22,06	-	-	F04220H00400059	●			
							108	14,90	22,06	-	-	F04220H00400167	●			
					45,0		0,4	78	45,88	47,85	-	-	F04220H00400006	●		
								108	45,88	47,85	-	-	F04220H00400078	●		
							0,9	78	27,15	46,28	-	-	F04220H00400024	●		
								108	27,15	46,28	-	-	F04220H00400108	●		
						1,4	78	17,62	37,15	-	-	F04220H00400042	●			
							108	17,62	37,15	-	-	F04220H00400138	●			
						1,9	78	14,90	22,06	-	-	F04220H00400060	●			
							108	14,90	22,06	-	-	F04220H00400168	●			
						50,0	0,4	78	50,93	53,11	-	-	F04220H00400079	●		
								108	50,93	53,11	-	-	F04220H00400109	●		
							0,9	78	27,15	51,32	-	-	F04220H00400139	●		
								108	27,15	51,32	-	-	F04220H00400169	●		
					1,4		78	17,62	37,15	-	-	F04220H00400139	●			
							108	17,62	37,15	-	-	F04220H00400139	●			
					1,9		78	14,90	22,06	-	-	F04220H00400169	●			
							108	14,90	22,06	-	-	F04220H00400169	●			
55,0	0,4	78	55,97	58,38	-		-	F04220H00400080	●							
		108	55,97	58,38	-		-	F04220H00400080	●							
	0,9	78	27,15	56,37	-		-	F04220H00400110	●							
		108	27,15	56,37	-		-	F04220H00400110	●							
	1,4	78	17,62	37,15	-	-	F04220H00400140	●								
		108	17,62	37,15	-	-	F04220H00400140	●								
	1,9	78	14,90	22,06	-	-	F04220H00400170	●								
		108	14,90	22,06	-	-	F04220H00400170	●								
	60,0	0,4	78	61,01	-	-	-	F04220H00400081	●							
			108	61,01	-	-	-	F04220H00400081	●							
		0,9	78	27,15	-	-	-	F04220H00400111	●							
			108	27,15	-	-	-	F04220H00400111	●							
1,4		78	17,62	37,15	-	-	F04220H00400141	●								
		108	17,62	37,15	-	-	F04220H00400141	●								
1,9		78	14,90	22,06	-	-	F04220H00400171	●								
		108	14,90	22,06	-	-	F04220H00400171	●								



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

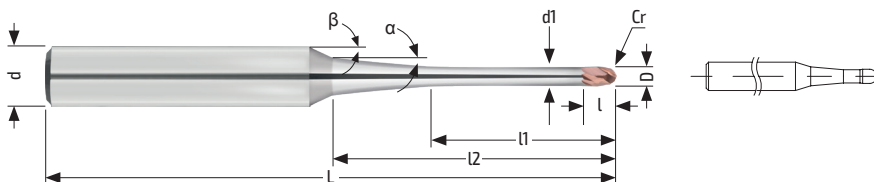


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock	
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°			
4,00	2,00	3,30	15,0	3,90	25,0	0,4	12	6	6	25,88	26,95	29,40	-	F04220H00400007	●	
										108	25,88	26,95	29,40	-	F04220H00400082	●
										78	25,45	26,50	28,91	-	F04220H00400025	●
										108	25,45	26,50	28,91	-	F04220H00400112	●
						78				25,03	26,06	28,42	-	F04220H00400043	●	
						108				25,03	26,06	28,42	-	F04220H00400142	●	
						78				21,68	25,61	27,93	-	F04220H00400061	●	
						108				21,68	25,61	27,93	-	F04220H00400172	●	
						78				30,93	32,22	-	-	F04220H00400008	●	
						108				30,93	32,22	-	-	F04220H00400083	●	
						78				30,28	31,55	-	-	F04220H00400026	●	
						108				30,28	31,55	-	-	F04220H00400113	●	
					78	25,40				30,88	-	-	F04220H00400044	●		
					108	25,40				30,88	-	-	F04220H00400143	●		
					78	21,68				30,21	-	-	F04220H00400062	●		
					108	21,68				30,21	-	-	F04220H00400173	●		
					78	35,97				37,49	-	-	F04220H00400009	●		
					108	35,97				37,49	-	-	F04220H00400084	●		
					78	35,11				36,59	-	-	F04220H00400027	●		
					108	35,11				36,59	-	-	F04220H00400114	●		
					78	25,40				35,70	-	-	F04220H00400045	●		
					108	25,40				35,70	-	-	F04220H00400144	●		
					78	21,68				32,61	-	-	F04220H00400063	●		
					108	21,68				32,61	-	-	F04220H00400174	●		
					78	41,01				42,76	-	-	F04220H00400010	●		
					108	41,01				42,76	-	-	F04220H00400085	●		
					78	38,40				41,64	-	-	F04220H00400028	●		
					108	38,40				41,64	-	-	F04220H00400115	●		
					78	25,40				40,52	-	-	F04220H00400046	●		
					108	25,40				40,52	-	-	F04220H00400145	●		
					78	21,68				32,61	-	-	F04220H00400064	●		
					108	21,68				32,61	-	-	F04220H00400175	●		
					78	46,05				48,02	-	-	F04220H00400011	●		
					108	46,05				48,02	-	-	F04220H00400086	●		
					78	38,40				46,68	-	-	F04220H00400029	●		
					108	38,40				46,68	-	-	F04220H00400116	●		
					78	25,40				45,34	-	-	F04220H00400047	●		
					108	25,40				45,34	-	-	F04220H00400146	●		
					78	21,68				32,61	-	-	F04220H00400065	●		
					108	21,68				32,61	-	-	F04220H00400176	●		

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



04220



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°		
4,00	2,00	3,30	15,0	3,90	50,0	0,4	12	6	108	51,10	53,29	-	-	F04220H00400087	●
						0,9				38,40	51,73	-	-	F04220H00400117	●
						1,4				25,40	50,16	-	-	F04220H00400147	●
						1,9				21,68	32,61	-	-	F04220H00400177	●
						0,4				56,14	58,56	-	-	F04220H00400088	●
						0,9				38,40	56,77	-	-	F04220H00400118	●
						1,4				25,40	54,64	-	-	F04220H00400148	●
						1,9				21,68	32,61	-	-	F04220H00400178	●
						0,4				61,18	-	-	-	F04220H00400089	●
						0,9				38,40	-	-	-	F04220H00400119	●
						1,4				25,40	54,64	-	-	F04220H00400149	●
						1,9				21,68	32,61	-	-	F04220H00400179	●
					0,4	31,10				32,40	-	-	F04220H00400012	●	
					0,9	31,10				32,40	-	-	F04220H00400090	●	
					1,4	30,67				31,95	-	-	F04220H00400030	●	
					1,9	30,67				31,95	-	-	F04220H00400120	●	
					0,4	30,24				31,50	-	-	F04220H00400048	●	
					0,9	30,24				31,50	-	-	F04220H00400150	●	
					1,4	28,47				31,06	-	-	F04220H00400066	●	
					1,9	28,47				31,06	-	-	F04220H00400180	●	
					0,4	36,14				37,67	-	-	F04220H00400013	●	
					0,9	36,14				37,67	-	-	F04220H00400091	●	
					1,4	35,50				37,00	-	-	F04220H00400031	●	
					1,9	35,50				37,00	-	-	F04220H00400121	●	
			0,4		33,17	36,32				-	-	F04220H00400049	●		
			0,9		33,17	36,32				-	-	F04220H00400151	●		
			1,4		28,47	35,65				-	-	F04220H00400067	●		
			1,9		28,47	35,65				-	-	F04220H00400181	●		
			0,4		41,18	42,94				-	-	F04220H00400014	●		
			0,9		41,18	42,94				-	-	F04220H00400092	●		
			1,4		40,33	42,04				-	-	F04220H00400032	●		
			1,9		40,33	42,04				-	-	F04220H00400122	●		
			0,4		33,17	41,15				-	-	F04220H00400050	●		
			0,9		33,17	41,15				-	-	F04220H00400152	●		
			1,4		28,47	40,25				-	-	F04220H00400068	●		
			1,9		28,47	40,25				-	-	F04220H00400182	●		
			0,4		46,23	48,20				-	-	F04220H00400015	●		
			0,9		46,23	48,20				-	-	F04220H00400093	●		
			1,4		45,15	47,09				-	-	F04220H00400033	●		
			1,9		45,15	47,09				-	-	F04220H00400123	●		
			0,4		33,17	45,97				-	-	F04220H00400051	●		
			0,9		33,17	45,97				-	-	F04220H00400153	●		
			1,4		28,47	43,16				-	-	F04220H00400069	●		
			1,9		28,47	43,16				-	-	F04220H00400183	●		
			0,4		51,27	53,47				-	-	F04220H00400094	●		
			0,9		49,65	52,13				-	-	F04220H00400124	●		
			1,4		33,17	50,79				-	-	F04220H00400154	●		
			1,9		28,47	43,16				-	-	F04220H00400184	●		
0,4	56,31	58,74	-	-	F04220H00400095	●									
0,9	49,65	57,17	-	-	F04220H00400125	●									
1,4	33,17	55,61	-	-	F04220H00400155	●									
1,9	28,47	43,16	-	-	F04220H00400185	●									



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO

**04220**

Fresa 2 taglienti semisferica per nervature con collarino conico e gambo rinforzato

2 flute ball nose end mill for ribbing with tapered neck and reinforced shank

Zweischneidige Kugelfräser für Rippenbearbeitung mit konischem Hinterschliff und verstärktem Schaft

Fraise hémisphérique à deux dents pour nervures queue renforcée

Silmax  
NORM

λ 30°

4S

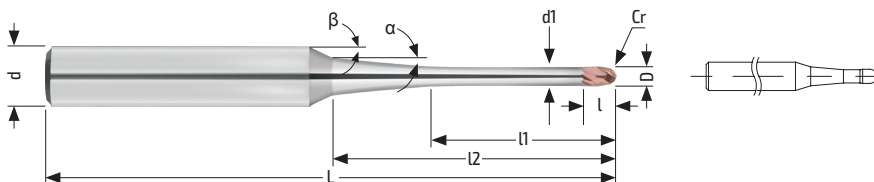


P

M

N

H



D +0/-0,02	Cr/r	l	l1	d1	l2	α°	β°	L	d h5	Lunghezze effettive				Balinit® Tisaflex	Stock		
										ε 0,5°	ε 1,0°	ε 2,0°	ε 3,0°				
4,00	2,00	3,30	20,0	3,90	60,0	12	12	108	6	0,4	61,35	-	-	-	F04220H00400096	●	
										0,9	49,65	-	-	-	F04220H00400126	●	
										1,4	33,17	-	-	-	F04220H00400156	●	
										1,9	28,47	43,16	-	-	F04220H00400186	●	
										0,4	78	36,31	37,85	-	-	F04220H00400016	●
										0,9	108	36,31	37,85	-	-	F04220H00400097	●
										1,4	78	35,88	37,40	-	-	F04220H00400034	●
										1,9	108	35,88	37,40	-	-	F04220H00400127	●
										0,4	78	35,45	36,95	-	-	F04220H00400052	●
										0,9	108	35,45	36,95	-	-	F04220H00400157	●
										1,4	78	35,03	36,50	-	-	F04220H00400070	●
										1,9	108	35,03	36,50	-	-	F04220H00400187	●
			0,4	78	41,35	43,11	-	-	F04220H00400017	●							
			0,9	108	41,35	43,11	-	-	F04220H00400098	●							
			1,4	78	40,71	42,44	-	-	F04220H00400035	●							
			1,9	108	40,71	42,44	-	-	F04220H00400128	●							
			0,4	78	40,07	41,77	-	-	F04220H00400053	●							
			0,9	108	40,07	41,77	-	-	F04220H00400158	●							
			1,4	78	35,25	41,10	-	-	F04220H00400071	●							
			1,9	108	35,25	41,10	-	-	F04220H00400188	●							
			0,4	78	46,40	48,38	-	-	F04220H00400018	●							
			0,9	108	46,40	48,38	-	-	F04220H00400099	●							
			1,4	78	45,54	47,49	-	-	F04220H00400036	●							
			1,9	108	45,54	47,49	-	-	F04220H00400129	●							
			0,4	78	40,95	46,59	-	-	F04220H00400054	●							
			0,9	108	40,95	46,59	-	-	F04220H00400159	●							
			1,4	78	35,25	45,70	-	-	F04220H00400072	●							
			1,9	108	35,25	45,70	-	-	F04220H00400189	●							
			0,4	78	51,44	53,65	-	-	F04220H00400100	●							
			0,9	108	50,37	52,53	-	-	F04220H00400130	●							
			1,4	78	40,95	51,41	-	-	F04220H00400160	●							
			1,9	108	35,25	50,29	-	-	F04220H00400190	●							
			0,4	78	56,48	58,92	-	-	F04220H00400101	●							
			0,9	108	55,20	57,58	-	-	F04220H00400131	●							
			1,4	78	40,95	56,24	-	-	F04220H00400161	●							
			1,9	108	35,25	53,72	-	-	F04220H00400191	●							
			0,4	78	61,52	-	-	-	F04220H00400102	●							
			0,9	108	60,03	-	-	-	F04220H00400132	●							
			1,4	78	40,95	-	-	-	F04220H00400162	●							
			1,9	108	35,25	53,72	-	-	F04220H00400192	●							

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



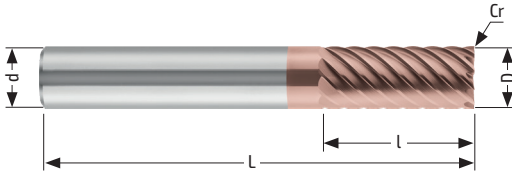
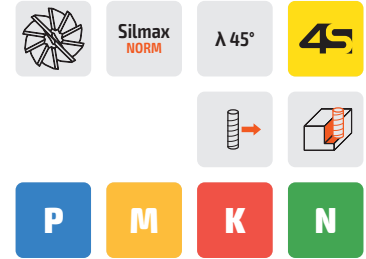
04220



1155

# 1155

Fresa multitagliente per finitura  
 Multi-flute end mill for finishing  
 Mehrschneidiger Schaftfräser zum Schlichten  
 Fraise multi-dents pour finition



	D h8	Cr/r	l	L	d h5	Z	Balinit® Tisaflex	Stock
Cr	6,00	0,50	13,00	57	6	6	F11550H00600002	●
	8,00	0,50	19,00	63	8	6	F11550H00800002	●
	8,00	0,50	19,00	63	8	8	F11550H00800004	○
	10,00	0,50	22,00	72	10	6	F11550H01000002	●
	10,00	0,50	22,00	72	10	8	F11550H01000004	○
	12,00	0,50	26,00	81	12	6	F11550H01200002	●
	12,00	0,50	26,00	81	12	10	F11550H01200004	○
	16,00	0,50	32,00	92	16	6	F11550H01600002	●
	16,00	0,50	32,00	92	16	10	F11550H01600004	○
	20,00	0,50	38,00	105	20	6	F11550H02000002	●
	20,00	0,50	38,00	105	20	10	F11550H02000004	○

	D h8	Cr/r	l	L	d h5	Z	Balinit® Tisaflex	Stock
90°	6,00	-	13,00	57	6	6	F11550H00600001	●
	8,00	-	19,00	63	8	6	F11550H00800001	●
	8,00	-	19,00	63	8	8	F11550H00800003	○
	10,00	-	22,00	72	10	6	F11550H01000001	●
	10,00	-	22,00	72	10	8	F11550H01000003	○
	12,00	-	26,00	81	12	6	F11550H01200001	●
	12,00	-	26,00	81	12	10	F11550H01200003	○
	16,00	-	32,00	92	16	6	F11550H01600001	●
	16,00	-	32,00	92	16	10	F11550H01600003	○
	20,00	-	38,00	105	20	6	F11550H02000001	●
	20,00	-	38,00	105	20	10	F11550H02000003	○



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

1143

Fresa 6 taglienti serie normale per finitura di acciai temprati

6 flute end mill regular version for finishing of hardened steels

6-schneidiger Schaftfräser in normaler Ausführung zum Schlichten von gehärteten Stählen

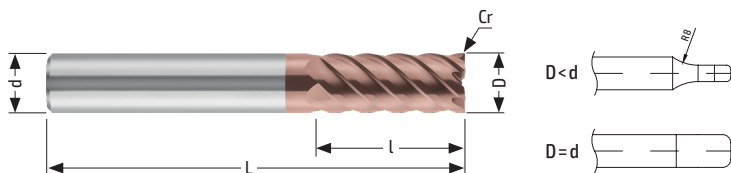
Fraise à six dents pour la finition des aciers trempés, série longue

Silmax  
NORM $\lambda 45^\circ$ 

4S



H



	D <sub>h8</sub>	Cr/r	l	L	d <sub>h5</sub>	Balinit® Tisaflex	Stock
Cr	3,00	0,30	7,00	57	6	F11430H00300001	●
	4,00	0,30	9,00	57	6	F11430H00400001	●
	5,00	0,30	11,00	57	6	F11430H00500001	●
	6,00	0,50	13,00	57	6	F11430H00600001	●
	8,00	0,50	19,00	63	8	F11430H00800001	●
	10,00	0,50	22,00	72	10	F11430H01000001	●
	12,00	0,50	26,00	81	12	F11430H01200001	●
	16,00	0,50	32,00	92	16	F11430H01600001	●
	20,00	0,50	40,00	105	20	F11430H02000001	●

	D <sub>h8</sub>	Cr/r	l	L	d <sub>h5</sub>	Balinit® Tisaflex	Stock
90°	3,00	-	7,00	57	6	F11430H00300002	●
	4,00	-	9,00	57	6	F11430H00400002	●
	5,00	-	11,00	57	6	F11430H00500002	●
	6,00	-	13,00	57	6	F11430H00600002	●
	8,00	-	19,00	63	8	F11430H00800002	●
	10,00	-	22,00	72	10	F11430H01000002	●
	12,00	-	26,00	81	12	F11430H01200002	●
	16,00	-	32,00	92	16	F11430H01600002	●
	20,00	-	40,00	105	20	F11430H02000002	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per consultare i parametri di lavoro.  
Scan the Qr-code to view the working parameters.



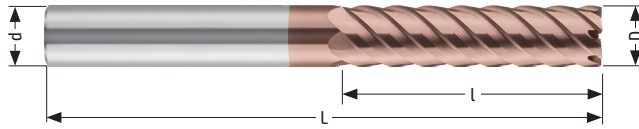
1143



1145

# 1145

Fresa 6 taglienti serie lunga per finitura di acciai temprati  
 6 flute end mill long version for finishing of hardened steels  
 6-schneidiger Schaftfräser in Langversion zum Schlichten und Trochoidalbearbeiten von gehärteten Stählen  
 Fraise à six dents pour la finition des aciers trempés, série longue



	D <sub>h8</sub>	Cr/r	l	L	d <sub>h5</sub>	Balinit® Tisaflex	Stock
Cr	6,00	0,50	24,00	78	6	F11450H00600001	●
	8,00	0,50	32,00	80	8	F11450H00800001	●
	10,00	0,50	40,00	108	10	F11450H01000001	●
	12,00	0,50	48,00	108	12	F11450H01200001	●
	16,00	0,50	64,00	130	16	F11450H01600001	●
	20,00	0,50	80,00	160	20	F11450H02000001	●
90°	6,00	-	24,00	78	6	F11450H00600002	●
	8,00	-	32,00	80	8	F11450H00800002	●
	10,00	-	40,00	108	10	F11450H01000002	●
	12,00	-	48,00	108	12	F11450H01200002	●
	16,00	-	64,00	130	16	F11450H01600002	●
	20,00	-	80,00	160	20	F11450H02000002	●



Acciaio Steel



Acciaio Inox Stainless Steel



Ghisa Cast Iron



Metalli non ferrosi Non-ferrous metals



HRSA - Titanio HRSA - Titanium



Acciai Temprati Hardened Steels



Non ISO Not ISO



1340

Fresa 2 tagli semisferica, con tagliente conico, per incisioni  
 2 flute ball nose end mill with tapered neck for engravings  
 Gravurschneider  
 Fraise de gravure conique hémispherique à 2 dents

Silmax  
NORM

λ 30°

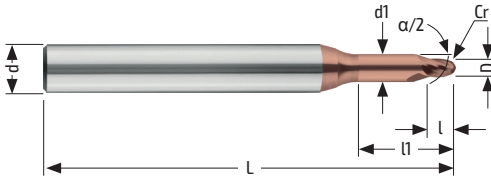


4S



P

H



D	Cr/r +/-0,01	α/2°	l	l1	d1	L	d h5	Balinit® Tisaflex	Stock
0,20	0,10	15,0	11,00	12,0	2,50	50	6	F13400H00020001	●
		30,0	5,20					F13400H00020002	●
0,30	0,15	15,0	10,90					F13400H00030001	●
		30,0	5,20					F13400H00030002	●
0,40	0,20	15,0	10,90					F13400H00040001	●
		30,0	5,30					F13400H00040002	●
0,50	0,25	15,0	10,80					F13400H00050001	●
		30,0	5,30					F13400H00050002	●
0,60	0,30	15,0	10,70					F13400H00060001	●
		30,0	5,30					F13400H00060002	●
0,70	0,35	15,0	10,60					F13400H00070001	●
		30,0	5,30					F13400H00070002	●
0,80	0,40	15,0	10,50					F13400H00080001	●
		30,0	5,30					F13400H00080002	●
0,90	0,45	15,0	10,40					F13400H00090001	●
		30,0	5,30					F13400H00090002	●
1,00	0,50	15,0	10,30					F13400H00100001	●
		30,0	5,30					F13400H00100002	●
1,20	0,60	15,0	10,20					F13400H00120001	●
		30,0	5,40					F13400H00120002	●
1,50	0,75	15,0	9,90					F13400H00150001	●
		30,0	5,40					F13400H00150002	●
1,80	0,90	15,0	9,60					F13400H00180001	●
		30,0	5,40					F13400H00180002	●

- Disponibilità pronta consegna / Available for prompt delivery
- Disponibilità 48h / Available in 48h
- Disponibilità su richiesta / Available on request



Scansiona il Qr-code per  
consultare i parametri di lavoro.  
Scan the Qr-code to view  
the working parameters.



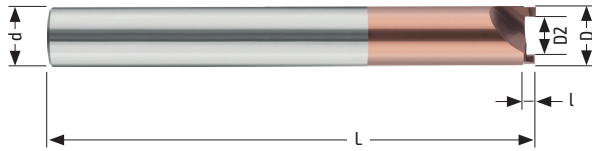
1340



1350

# 1350

Fresa 2 tagli , per sedi OR  
 2 Flute end mill for gasket seat  
 Fräser für Dichtungssitz  
 Fraise à 2 dents pour joint torique



	D	D2	L	L	d <sub>h5</sub>	Z	OR	Balinit® Tisaflex	Stock
90°	11,80	6,20	2,90	105	12	2	12x8x2	F13500H00620001	●
	13,75	8,15	2,90	105	14	2	14x10x2	F13500H00815001	●
	15,75	10,15	2,90	130	16	2	16x12x2	F13500H01015001	●
	17,70	12,10	2,90	130	18	2	18x14x2	F13500H01210001	●



Acciaio  
Steel



Acciaio Inox  
Stainless Steel



Ghisa  
Cast Iron



Metalli non ferrosi  
Non-ferrous metals



HRSA - Titanio  
HRSA - Titanium



Acciai Temprati  
Hardened Steels



Non ISO  
Not ISO

## SIL SERVICE



### Riaffilatura e rigenerazione: da usato a nuovo

Silmax è in grado di riaffilare e/o rigenerare **come nuove** frese, punte e alesatori, nelle versioni normali e speciali, utilizzando **gli stessi impianti a 5 assi usati per la loro produzione.**

### Re-sharpening and re-conditioning: from used to new.

Silmax can re-sharpen and/or re-condition **like new** standard and special end mills, drills and reamers **using the same 5-axis machines used for their production.**

### Nachschliff und Regeneration: von gebraucht bis neu

Silmax ist in der Lage, **wie neue** Fräser, Bohrer und Reibahlen in Standard- und Sonderversionen unter Verwendung derselben 5-Achsen-Produktionssysteme erneut zu schärfen und/oder zu regenerieren.

### Réaffûtage et régénération

Réaffûtage et régénération de fraises, de forets et d'alesoirs standard et spéciaux en utilisant les mêmes installations à 5 axes utilisées pour leur fabrication.



### Esecuzione perfetta

Esecuzione perfetta con la garanzia del produttore e collaudo effettuato su strumenti di controllo di alta precisione Zoller Genius e Walter Helicheck con emissione di certificato su richiesta.

### Perfect execution

A perfect execution with the manufacturer's warranty and testing carried out with high-precision measurement instruments of Zoller Genius and Walter Helicheck, with issuing of certificate on request.

### Perfekte Ausführung

Perfekte Ausführung mit der Garantie des Herstellers und Kontrolle mittels der Messmaschinen „Genius“ der Firma Zoller und „Helicheck“ der Firma Walter Maschinenbau mit Ausstellung des Zertifikates auf Anfrage.

### Exécution parfaite

Exécution parfaite avec garantie du fabricant et essais sur des instruments de contrôle de haute précision Zoller Genius, Walter Helicheck et Alicona avec certificat délivré sur demande.



### Rivestimento PVD

Rivestimento PVD eseguito nel nostro centro di rivestimento interno in Lanzo Torinese con la tecnologia Balzers sia per HSS che HM come Alcrona, Futura, Alnova, Latuma, TiN e Tisaflex.

### PVD Coating

PVD coating in our in-house coating centre in Lanzo Torinese is carried out using Balzers technology, such as Alcrona, Futura, Alnova, Latuma, TiN and Tisaflex, both for HSS and HM tools.

### PVD-Beschichtung

Durchgeführt in unserem internen Beschichtungszentrum in Lanzo Torinese, mit der Oerlikon Balzers Technologie sowohl für HSS als auch für HM wie Alcrona, Futura, Alnova, Latuma, TiN und Tisaflex.

### Revêtement PVD

Revêtement PVD effectué dans notre centre à Lanzo Torinese avec la technologie Balzers pour HSS et HM comme Alcrona, Futura, Alnova, Latuma, TiN et Tisaflex.



### Trattamento 4S

Trattamento 4S di super finitura superficiale del filo tagliente pre e post rivestimento, eseguito con impianto OTEC e verificato con strumento di misura Alicona.

### 4S Treatment

4S super-finishing surface treatment of cutting edge before and after the coating process, is carried out using an OTEC system and checked with an Alicona measuring instrument.

### 4S-Behandlung

4S-Behandlung mit dem Superfinish Verfahren für die Feinbearbeitung der Schneidkantenoberfläche der Werkzeuge vor und nach der Beschichtung mittels Anlage der Firma OTEC Präzisionsfinish GmbH und mit Messinstrumenten der Firma Alicona überprüft.

### Traitement 4S

Traitement 4S de super finition de la surface de l'arête coupe avant et après le revêtement, effectué avec l'équipement OTEC et vérifié avec l'instrument de mesure Alicona.



### Consegna rapida

Consegna rapida entro 10 giorni lavorativi dal ricevimento degli utensili per riaffilatura e rivestimento.

### Fast delivery

Fast delivery within 10 working days from receipt of tools for resharping and coating.

### Schnelle Lieferung

Schnelle Lieferung innerhalb von 10 Werktagen ab Empfang der Werkzeuge.

### Livraison rapide

Livraison rapide dans les 10 jours ouvrables suivant la réception des outils.



# Notes

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