

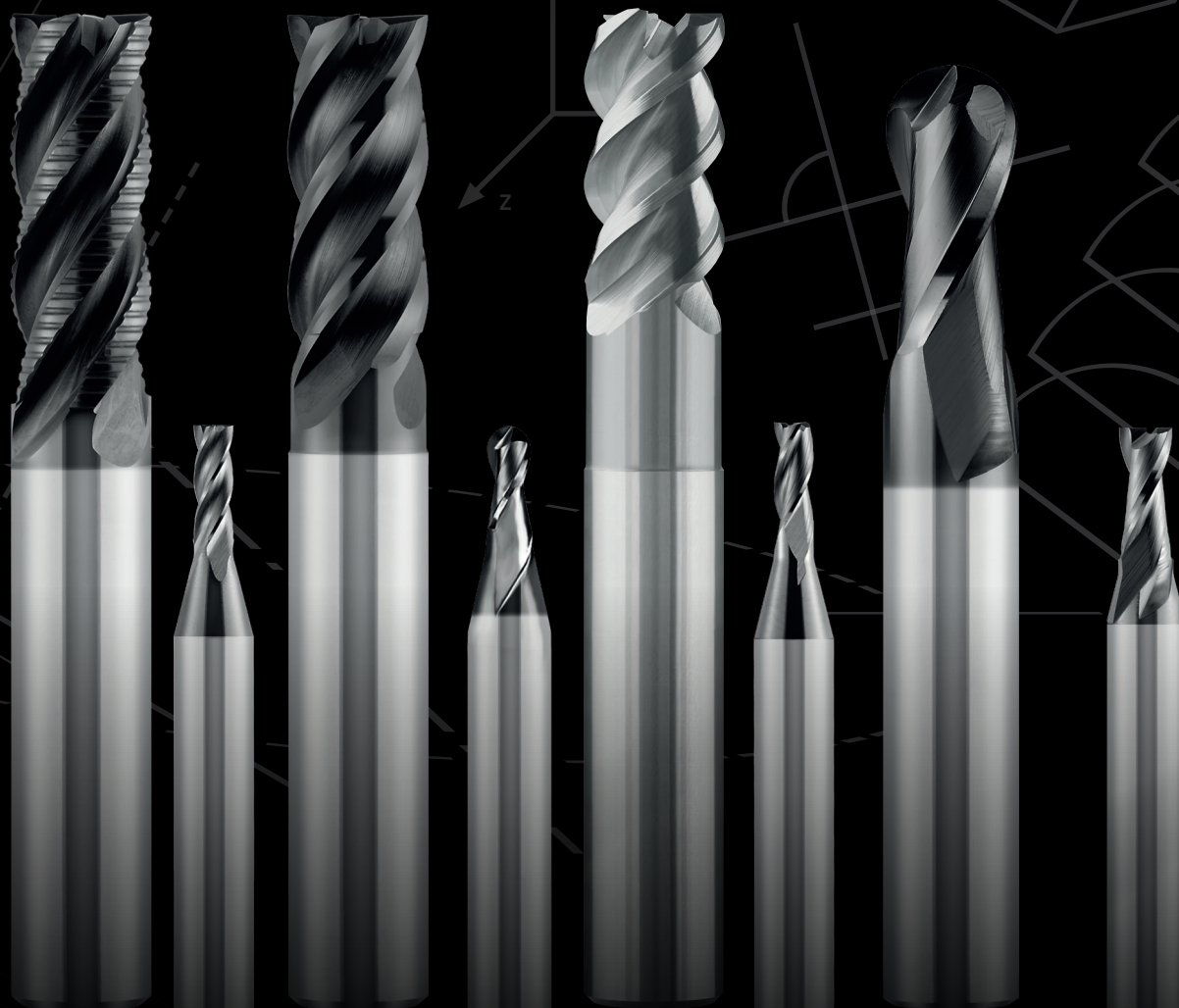
SILMAX®



SILSAVING

SOLID CARBIDE END MILLS

silmax.it/silsaving



CISQ



2025 EDITION

SILSAVING

SOLID CARBIDE END MILLS

La linea Silsaving risponde ad ogni esigenza garantendo qualità elevata ad un prezzo concorrenziale. La famiglia Silsaving grazie al successo delle gamme di utensili ad alte prestazioni (892S, 893S, 894S, 895S, 897S), alla linea micro (808S, 838S, 858S, 818S) e alle frese multiuso di diversi diametri (871S rompitruciolo, 836S, 801S per chiavette) offre all'utilizzatore sempre grande qualità.

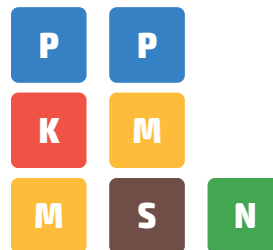
Silsaving by Silmax meets the most specific customer's needs, ensuring high quality at competitive price. Silmax after the success of the high-performance tool ranges (892S, 893S, 894S, 895S, 897S), the micro line (808S, 838S, 858S, 818S), the multi-purposes cutters in different diameters (871S chipbreaker, the 836S, the 801S for key lotting), offers the user great quality every time.

Guida selezione utensile









Tool selection guide

Anleitung zur Werkzeugauswahl





Guide pour la sélection de l'outil






Alte Prestazioni / High Performance
Hochleistung / Hautes performances

| | Codice Code | Ø (D mm) | Z | P | K | M | S | N |
|---|----------------|-------------|---|---|---|---|---|---|
|  | 895S 895SW | 3,0 ÷ 20,0 | 4 | ● | - | - | - | - |
|  | 897S 897SW | 4,0 ÷ 16,0 | 4 | ● | - | - | - | - |
|  | 893S 893SW | 4,0 ÷ 20,0 | 4 | ● | - | - | - | - |
|  | 892SK 892SKW | 3,0 ÷ 20,0 | 4 | ● | - | - | - | - |
|  | 892S 892SW | 3,0 ÷ 20,0 | 4 | ● | - | - | - | - |
|  | 892SL 892SLW | 5,0 ÷ 20,0 | 4 | ● | - | - | - | - |
|  | 894S 894SW | 3,0 ÷ 20,0 | 4 | - | ● | - | - | - |
|  | 894SL 894SLW | 5,0 ÷ 20,0 | 4 | - | ● | - | - | - |

Frese Micro / Micro Tools
Mikrofräser / Micro Fraises









| | | | | | | | | |
|---|------|-----------|---|---|---|---|---|---|
|  | 808S | 1,0 ÷ 5,0 | 2 | ● | ● | - | - | - |
|  | 838S | 1,0 ÷ 5,0 | 3 | ● | - | - | - | - |
|  | 858S | 2,0 ÷ 5,0 | 4 | ● | - | - | - | - |
|  | 816S | 1,0 ÷ 4,0 | 2 | ● | ● | - | - | - |

Alluminio / Aluminium
Fräser für Aluminium / Fraises pour l'aluminium

| | | | | | | | | |
|---|------------|------------|-----|---|---|---|---|---|
|  | 810 810W | 2,0 ÷ 20,0 | 2 | - | - | ● | - | - |
|  | 812 812W | 4,0 ÷ 20,0 | 3/4 | - | - | ● | - | - |
|  | 813 813W | 3,0 ÷ 20,0 | 3 | - | - | ● | - | - |

Die Silsaving-Linie erfüllt alle Anforderungen und garantiert hohe Qualität zu einem wettbewerbsfähigen Preis. Die Silsaving-Familie bietet dem Anwender dank des Erfolges der Hochleistungswerkzeuge (892S, 893S, 894S, 895S und 897S), der Micro Linie (808S, 838S, 858S, 818S) und der Mehrzweckfräser in verschiedenen Durchmessern (871S Spanbrecher, 836S, 801S für Paßfedernuten) stets hohe Qualität.

La famille Silsaving répond à tous vos besoins avec une offre de qualité à un prix très compétitif. La famille Silsaving, grâce à des outils hautes performances (892S, 893S, 894S, 895S, 897S), grâce à la famille Micro (808S, 838S, 858S, 818S) et comprenant aussi les fraises multi-applications en différents diamètres (871S avec brise copeaux, 836S, 801S pour logements de clavettes) offre de prestations étendue et de grande qualité.

| Cava Slotting Nutenfräsen Rainurage | Contornatura Side and face milling Seiten- und Stirnfräsen Contournage | Copiatra 3D 3D Copy milling Profilfräsen Copiage 3D | Trocoïdale Trochoidal Trochoidales Fräsen Fraisage trochoidal | Assiale Plunging Tauchen Plongée | Rampa Ramp milling Rampenfräsen Ramping | Smussatura Chamfering Fasen Chanfreinage | Interpolazione elicoidale Helical interpolation Helixinterpolation Interpolation hélicoïdale | |
|---|---|---|---|---|---|---|---|----|
|  |  |  |  |  |  |  |  | 6 |
| ● | ● | - | ● | - | ● | - | ● | 6 |
| ● | ● | - | - | - | ● | - | ● | 7 |
| ● | ● | - | ● | - | ● | - | ● | 7 |
| ● | ● | - | ● | - | ● | - | ● | 8 |
| ● | ● | - | ● | - | ● | - | ● | 9 |
| ● | ● | - | ● | - | ● | - | ● | 9 |
| ● | ● | - | ● | - | ● | - | ● | 10 |
| ● | ● | - | ● | - | ● | - | ● | 11 |
| | | | | | | | | 12 |
| ● | ● | - | - | ● | - | - | ● | 12 |
| ● | ● | - | - | ● | - | - | ● | 13 |
| - | ● | - | - | - | - | - | ● | 13 |
| - | - | ● | - | - | - | - | ● | 14 |
| | | | | | | | | 15 |
| ● | ● | - | - | ● | ● | - | ● | 15 |
| - | ● | - | - | - | - | - | - | 15 |
| ● | ● | - | ● | ● | ● | - | ● | 16 |

Guida selezione utensile

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Guide pour la sélection de l'outil

























Multi Applicazioni / Multi Applications

Mehrzweckanwendung / Fraises multi-applications

Codice
Code

Ø
(D mm)

Z

|  | 856S 856SW | 2,0 ÷ 20,0 | 4 | ● | - | - | |
|---|----------------|------------|-----|---|---|---|--|
|  | 856CR 856CRW | 2,0 ÷ 20,0 | 4 | ● | - | - | |
|  | 829S | 2,0 ÷ 12,0 | 4 | ● | - | - | |
|  | 859S 859SW | 3,0 ÷ 16,0 | 4 | ● | - | - | |
|  | 861S 861SW | 6,0 ÷ 20,0 | 6 | ● | - | - | |
|  | 866S 866SW | 2,0 ÷ 20,0 | 4 | ● | ● | - | |
|  | 883S 883SW | 6,0 ÷ 16,0 | 4 | ● | ● | - | |
|  | 871S 871SW | 4,0 ÷ 20,0 | 4 | ● | - | - | |
|  | 806S 806SW | 2,0 ÷ 20,0 | 2 | ● | ● | - | |
|  | 806CR 806CRW | 2,0 ÷ 20,0 | 2 | ● | ● | - | |
|  | 821S | 2,0 ÷ 12,0 | 2 | ● | - | - | |
|  | 801S 801SW | 2,0 ÷ 20,0 | 2 | ● | - | - | |
|  | 879S 879SW | 3,0 ÷ 16,0 | 2 | ● | - | - | |
|  | 816S 816SW | 4,0 ÷ 20,0 | 2 | ● | ● | - | |
|  | 881S 881SW | 4,0 ÷ 16,0 | 2 | ● | ● | - | |
|  | 836S 836SW | 2,0 ÷ 20,0 | 3 | ● | - | - | |
|  | 826S | 2,0 ÷ 12,0 | 3 | ● | - | - | |
|  | 876S 876SW | 4,0 ÷ 16,0 | 3 | ● | - | - | |
|  | 841S 841SW | 3,0 ÷ 20,0 | 4/6 | ● | - | - | |
|  | 842S 842SW | 3,0 ÷ 20,0 | 4/6 | ● | - | - | |
|  | 843S | 3,0 ÷ 16,0 | 2 | ● | ● | ● | |
|  | 844S | 3,0 ÷ 12,0 | 2 | ● | ● | ● | |

P

Acciaio
Steel
Stahl
Acier

M

Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable

K

Ghisa
Cast Iron
Gusseisen
Fonte

N

Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium

S

HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane

H

Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés

O









Non ISO
Not ISO
Nicht ISO
Non - ISO



Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté

| |  Cava Slotting Nutenfräsen Rainurage |  Contornatura Side and face milling Seiten- und Stirnfräsen Contournage |  Copiatura 3D 3D Copy milling Profilfräsen Copiage 3D |  Trocoideale Trochoidal Trochoïdales Fräsen Fraisage trochoïdal |  Assiale Plunging Tauchen Plongée |  Rampa Ramp milling Rampenfräsen Ramping |  Smussatura Chamfering Fäsen Chanfreinage |  Interpolazione elicoidale Helical interpolation Helixinterpolation Interpolation hélicoïdale | |
|---|---|--|--|--|--|---|--|--|----|
| - | - | ● | - | - | - | - | - | - | 17 |
| - | - | ● | - | - | - | - | - | - | 17 |
| ● | ● | ● | - | - | - | - | - | - | 18 |
| - | - | ● | - | - | - | - | - | - | 18 |
| - | - | ● | - | - | - | - | - | - | 19 |
| - | - | - | ● | - | - | - | - | - | 19 |
| - | - | - | ● | - | - | - | - | - | 20 |
| - | - | ● | - | - | - | - | - | - | 20 |
| ● | ● | ● | - | - | ● | - | - | - | 21 |
| ● | ● | ● | - | - | ● | - | - | - | 21 |
| ● | - | - | - | - | ● | - | - | - | 22 |
| ● | - | - | - | - | ● | - | - | - | 22 |
| ● | ● | - | - | - | ● | - | - | - | 23 |
| - | - | ● | - | - | - | - | - | - | 23 |
| - | - | ● | - | - | - | - | - | - | 24 |
| ● | ● | - | - | - | ● | - | - | - | 24 |
| ● | ● | - | - | - | ● | - | - | - | 25 |
| ● | ● | - | - | - | ● | - | - | - | 25 |
| - | - | - | - | - | - | - | ● | - | 26 |
| - | - | - | - | - | - | - | ● | - | 26 |
| - | - | - | - | - | ● | - | - | - | 27 |
| - | - | - | - | - | ● | - | - | - | 27 |



Scansiona il codice QR per scaricare la versione digitale.
 Scan QR code to download the digital version.
 Scannen Sie den QR-Code, um die digitale Version herunterzuladen.
 Scannez le code QR pour télécharger la version numérique.



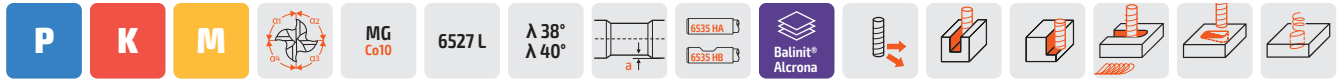
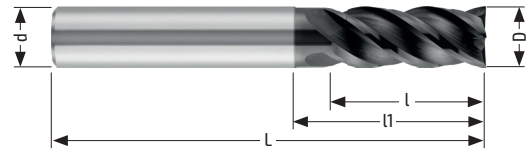
Scansiona il codice QR per la legenda dei simboli.
 Scan the QR code for symbol legend.
 Scannen Sie den QR-Code, um die Legende des Symbols zu erhalten.
 Scannez le code QR pour obtenir la légende du symbole.

Alte prestazioni

High performance / Hochleistung / Hautes performances

895S | 895SW

Fresa 4 taglienti serie normale con elica differenziata e divisione irregolare
4 flute end mill regular version with variable helix and unequal flute spacing
Schafffräser Vierschneider normale Serie mit ungleichem Drall -> Helix oder
Helixwinkel und Ungleichteilung
Fraise à 4 dents, hélices variables serie normale



| 45° | D | d | L | l | ll | a | 45° | Z | 895S | 895SW |
|-----|------|----|-----|----|----|------|---------|---|-----------|------------|
| | h10 | h6 | | ap | | | +005/+0 | | | |
| | 3,0 | 6 | 57 | 8 | - | - | 0,05 | 4 | 895S D.3 | 895SW D.3 |
| | 4,0 | 6 | 57 | 11 | 16 | 0,10 | 0,05 | 4 | 895S D.4 | 895SW D.4 |
| | 5,0 | 6 | 57 | 13 | 18 | 0,10 | 0,05 | 4 | 895S D.5 | 895SW D.5 |
| | 6,0 | 6 | 57 | 13 | 20 | 0,15 | 0,05 | 4 | 895S D.6 | 895SW D.6 |
| | 8,0 | 8 | 63 | 19 | 25 | 0,15 | 0,05 | 4 | 895S D.8 | 895SW D.8 |
| | 10,0 | 10 | 72 | 22 | 30 | 0,15 | 0,05 | 4 | 895S D.10 | 895SW D.10 |
| | 12,0 | 12 | 83 | 26 | 36 | 0,20 | 0,05 | 4 | 895S D.12 | 895SW D.12 |
| | 14,0 | 14 | 83 | 26 | 36 | 0,20 | 0,05 | 4 | 895S D.14 | 895SW D.14 |
| | 16,0 | 16 | 92 | 32 | 42 | 0,20 | 0,05 | 4 | 895S D.16 | 895SW D.16 |
| | 18,0 | 18 | 92 | 32 | 42 | 0,20 | 0,05 | 4 | 895S D.18 | 895SW D.18 |
| | 20,0 | 20 | 104 | 38 | 52 | 0,20 | 0,05 | 4 | 895S D.20 | 895SW D.20 |

| Cr | D | d | L | l | ll | a | Cr | Z | 895CR | 895CRW |
|----|-----|----|----|----|----|------|------|---|----------------|-----------------|
| | h10 | h6 | | | | | | | | |
| | 3 | 6 | 57 | 8 | - | - | 0,30 | 4 | 895S D. 3 CR03 | 895SW D. 3 CR03 |
| | 3 | 6 | 57 | 8 | - | - | 0,50 | 4 | 895S D. 3 CR05 | 895SW D. 3 CR05 |
| | 4 | 6 | 57 | 11 | 16 | 0,10 | 0,30 | 4 | 895S D. 4 CR03 | 895SW D. 4 CR03 |
| | 4 | 6 | 57 | 11 | 16 | 0,10 | 0,50 | 4 | 895S D. 4 CR05 | 895SW D. 4 CR05 |
| | 5 | 6 | 57 | 13 | 18 | 0,10 | 0,30 | 4 | 895S D. 5 CR03 | 895SW D. 5 CR03 |
| | 5 | 6 | 57 | 13 | 18 | 0,10 | 0,50 | 4 | 895S D. 5 CR05 | 895SW D. 5 CR05 |
| | 6 | 6 | 57 | 13 | 20 | 0,15 | 0,50 | 4 | 895S D. 6 CR05 | 895SW D. 6 CR05 |
| | 6 | 6 | 57 | 13 | 20 | 0,15 | 1,00 | 4 | 895S D. 6 CR10 | 895SW D. 6 CR10 |
| | 8 | 8 | 63 | 19 | 25 | 0,15 | 0,50 | 4 | 895S D. 8 CR05 | 895SW D. 8 CR05 |
| | 10 | 10 | 72 | 22 | 30 | 0,15 | 0,50 | 4 | 895S D.10 CR05 | 895SW D.10 CR05 |
| | 10 | 10 | 72 | 22 | 30 | 0,15 | 1,00 | 4 | 895S D.10 CR10 | 895SW D.10 CR10 |
| | 12 | 12 | 83 | 26 | 36 | 0,20 | 1,00 | 4 | 895S D.12 CR10 | 895SW D.12 CR10 |



Acciaio
Steel
Stahl
Acier



Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable



Ghisa
Cast Iron
Gusseisen
Fonte



Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium



HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane



Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés



Non ISO
Not ISO
Nicht ISO
Non - ISO



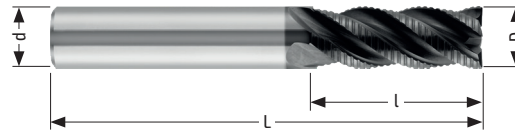
Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté

897S | 897SW

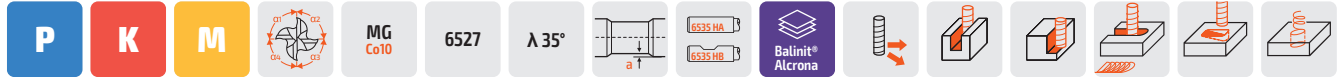
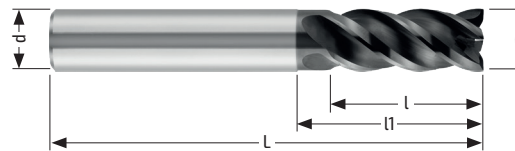
Fresa a sgrossare 4 taglienti con divisione irregolare serie normale
 4 flute roughing end mill with unequal flute spacing regular version
 Schruppfräser mit vier Schneiden und unregelmäßiger Teilung mit Kordelverzahnung
 Fraise ébauche à 4 dents à pas décalé



| 45° | D | d | L | l | 45° | Z | 897S | 897SW |
|-----|------|----|----|----|--------|---|-----------|------------|
| | h11 | h6 | | ap | +/-0,3 | | | |
| | 4,0 | 6 | 57 | 13 | 0,40 | 4 | 897S D.4 | 897SW D.4 |
| | 5,0 | 6 | 57 | 13 | 0,50 | 4 | 897S D.5 | 897SW D.5 |
| | 6,0 | 6 | 57 | 13 | 0,50 | 4 | 897S D.6 | 897SW D.6 |
| | 8,0 | 8 | 63 | 19 | 0,50 | 4 | 897S D.8 | 897SW D.8 |
| | 10,0 | 10 | 72 | 22 | 0,50 | 4 | 897S D.10 | 897SW D.10 |
| | 12,0 | 12 | 83 | 26 | 0,50 | 4 | 897S D.12 | 897SW D.12 |
| | 16,0 | 16 | 92 | 32 | 0,60 | 4 | 897S D.16 | 897SW D.16 |

893S | 893SW

Fresa universale a 4 taglienti con divisione irregolare adatta per la fresatura in rampa
 4 flute multi-purpose end mill with unequal flute spacing suitable for ramp milling
 Universalschneider mit vier Schneiden mit unregelmäßiger Teilung geeignet zum Rampenfräsen
 Fraise à 4 dents polyvalent à pas décalé pour ramping



| 45° | D | d | L | l | l1 | a | 45° | Z | 893S | 893SW |
|-----|------|----|-----|----|----|------|----------|---|-----------|------------|
| | h10 | h6 | | ap | | | +0,05/+0 | | | |
| | 4,0 | 6 | 57 | 11 | 15 | 0,15 | 0,20 | 4 | 893S D.4 | 893SW D.4 |
| | 5,0 | 6 | 57 | 13 | 18 | 0,15 | 0,20 | 4 | 893S D.5 | 893SW D.5 |
| | 6,0 | 6 | 57 | 13 | 20 | 0,15 | 0,25 | 4 | 893S D.6 | 893SW D.6 |
| | 8,0 | 8 | 63 | 19 | 25 | 0,15 | 0,30 | 4 | 893S D.8 | 893SW D.8 |
| | 10,0 | 10 | 72 | 22 | 30 | 0,15 | 0,35 | 4 | 893S D.10 | 893SW D.10 |
| | 12,0 | 12 | 83 | 26 | 36 | 0,20 | 0,40 | 4 | 893S D.12 | 893SW D.12 |
| | 16,0 | 16 | 92 | 32 | 42 | 0,20 | 0,45 | 4 | 893S D.16 | 893SW D.16 |
| | 20,0 | 20 | 104 | 38 | 52 | 0,20 | 0,50 | 4 | 893S D.20 | 893SW D.20 |



Scansiona il Qr-code per consultare i parametri di lavoro.
 Scan the Qr-code to view the working parameters.
 Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
 Scannez le code Qr pour visualiser les paramètres de fonctionnement.

895S/895SW



897S/897SW

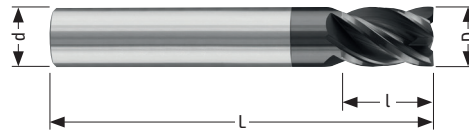


893S/893SW



892SK | 892SKW

Fresa 4 taglienti serie corta con divisione irregolare
4 flute end mill short version with unequal flute spacing
Vierschneider kurz mit unregelmäßiger Teilung
Fraise à 4 dents à pas décalé, série normale



| 45° | D | d | L | l | 45° | Z | 892SK | 892SKW |
|-----|------|----|----|----|----------|---|------------|-------------|
| | h10 | h6 | | ap | +0,05/+0 | | | |
| | 3,0 | 6 | 54 | 6 | 0,05 | 4 | 892SK D.3 | 892SKW D.3 |
| | 4,0 | 6 | 54 | 8 | 0,10 | 4 | 892SK D.4 | 892SKW D.4 |
| | 5,0 | 6 | 54 | 9 | 0,10 | 4 | 892SK D.5 | 892SKW D.5 |
| | 6,0 | 6 | 54 | 10 | 0,10 | 4 | 892SK D.6 | 892SKW D.6 |
| | 8,0 | 8 | 57 | 12 | 0,15 | 4 | 892SK D.8 | 892SKW D.8 |
| | 10,0 | 10 | 66 | 14 | 0,15 | 4 | 892SK D.10 | 892SKW D.10 |
| | 12,0 | 12 | 73 | 16 | 0,15 | 4 | 892SK D.12 | 892SKW D.12 |
| | 14,0 | 14 | 75 | 18 | 0,15 | 4 | 892SK D.14 | 892SKW D.14 |
| | 16,0 | 16 | 82 | 22 | 0,20 | 4 | 892SK D.16 | 892SKW D.16 |
| | 18,0 | 18 | 84 | 24 | 0,20 | 4 | 892SK D.18 | 892SKW D.18 |
| | 20,0 | 20 | 92 | 26 | 0,20 | 4 | 892SK D.20 | 892SKW D.20 |

| 90° | D | d | L | l | Z | 892SKX | 892SKXW | |
|-----|------|----|----|----|---|--------|-------------|--------------|
| | h10 | h6 | | ap | | | | |
| | 3,0 | 6 | 54 | 6 | - | 4 | 892SKX D.3 | 892SKXW D.3 |
| | 4,0 | 6 | 54 | 8 | - | 4 | 892SKX D.4 | 892SKXW D.4 |
| | 5,0 | 6 | 54 | 9 | - | 4 | 892SKX D.5 | 892SKXW D.5 |
| | 6,0 | 6 | 54 | 10 | - | 4 | 892SKX D.6 | 892SKXW D.6 |
| | 8,0 | 8 | 57 | 12 | - | 4 | 892SKX D.8 | 892SKXW D.8 |
| | 10,0 | 10 | 66 | 14 | - | 4 | 892SKX D.10 | 892SKXW D.10 |
| | 12,0 | 12 | 73 | 16 | - | 4 | 892SKX D.12 | 892SKXW D.12 |
| | 14,0 | 14 | 75 | 18 | - | 4 | 892SKX D.14 | 892SKXW D.14 |
| | 16,0 | 16 | 82 | 22 | - | 4 | 892SKX D.16 | 892SKXW D.16 |
| | 18,0 | 18 | 84 | 24 | - | 4 | 892SKX D.18 | 892SKXW D.18 |
| | 20,0 | 20 | 92 | 26 | - | 4 | 892SKX D.20 | 892SKXW D.20 |

P

Acciaio
Steel
Stahl
Acier

M

Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable

K

Ghisa
Cast Iron
Gusseisen
Fonte

N

Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium

S

HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane

H

Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés

O

Non ISO
Not ISO
Nicht ISO
Non - ISO

Raccomandato
Recommended
Empfohlen
Recommandé

Adatto
Suitable
Geeignet
Adapté



Scansiona il Qr-code per consultare i parametri di lavoro.
Scan the Qr-code to view the working parameters.
Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

892SK/892SKW



892SL/892SLW

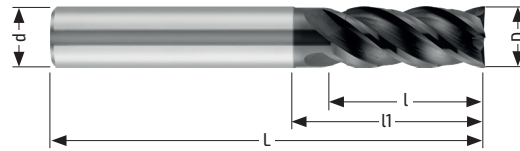


892S/892SW



892S | 892SW

Fresa 4 taglienti serie normale con divisione irregolare
 4 flute end mill regular version with unequal flute spacing
 Vierschneider Schaftfräser Normalserie mit unregelmäßiger Teilung
 Fraise à 4 dents à pas décalé, série normale



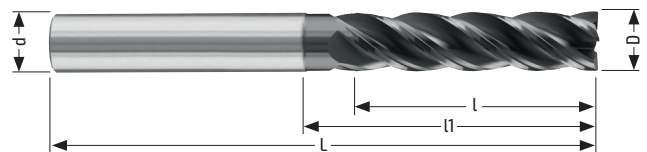
P K M MG Co10 6527 L 6528 λ 38° 6535 HA 6535 HB Balinit® Alcrona

| 45° | | D | d | L | l | l1 | a | 45° | Z | 892S | 892SW |
|-----|--|------|----|-----|----|----|------|----------|---|-------------|--------------|
| | | h10 | h6 | | ap | | | +0,05/+0 | | | |
| | | 3,0 | 3 | 38 | 8 | - | - | - | 4 | 892S D.3 | - |
| | | 3,0 | 6 | 57 | 8 | 11 | 0,10 | 0,05 | 4 | 892S D.3 G6 | 892SW D.3 G6 |
| | | 4,0 | 4 | 50 | 11 | 16 | 0,10 | 0,10 | 4 | 892S D.4 | - |
| | | 4,0 | 6 | 57 | 11 | 16 | 0,10 | 0,10 | 4 | 892S D.4 G6 | 892SW D.4 G6 |
| | | 5,0 | 5 | 50 | 13 | 18 | 0,10 | 0,10 | 4 | 892S D.5 | - |
| | | 5,0 | 6 | 57 | 13 | 18 | 0,10 | 0,10 | 4 | 892S D.5 G6 | 892SW D.5 G6 |
| | | 6,0 | 6 | 57 | 13 | 20 | 0,15 | 0,10 | 4 | 892S D.6 | 892SW D.6 |
| | | 8,0 | 8 | 63 | 19 | 25 | 0,15 | 0,15 | 4 | 892S D.8 | 892SW D.8 |
| | | 10,0 | 10 | 72 | 22 | 30 | 0,15 | 0,15 | 4 | 892S D.10 | 892SW D.10 |
| | | 12,0 | 12 | 83 | 26 | 36 | 0,20 | 0,15 | 4 | 892S D.12 | 892SW D.12 |
| | | 14,0 | 14 | 83 | 26 | 36 | 0,20 | 0,15 | 4 | 892S D.14 | 892SW D.14 |
| | | 16,0 | 16 | 92 | 32 | 42 | 0,20 | 0,20 | 4 | 892S D.16 | 892SW D.16 |
| | | 18,0 | 18 | 92 | 32 | 42 | 0,20 | 0,20 | 4 | 892S D.18 | 892SW D.18 |
| | | 20,0 | 20 | 104 | 38 | 52 | 0,20 | 0,20 | 4 | 892S D.20 | 892SW D.20 |

| 90° | | D | d | L | l | l1 | a | Z | 892SX | 892SXW | |
|-----|--|------|----|-----|----|----|------|---|-------|--------------|---------------|
| | | h10 | h6 | | ap | | | | | | |
| | | 3,0 | 3 | 38 | 8 | - | - | - | 4 | 892SX D.3 | - |
| | | 3,0 | 6 | 57 | 8 | 11 | 0,10 | - | 4 | 892SX D.3 G6 | 892SXW D.3 G6 |
| | | 4,0 | 4 | 50 | 11 | 16 | 0,10 | - | 4 | 892SX D.4 | - |
| | | 4,0 | 6 | 57 | 11 | 16 | 0,10 | - | 4 | 892SX D.4 G6 | 892SXW D.4 G6 |
| | | 5,0 | 5 | 50 | 13 | 18 | 0,10 | - | 4 | 892SX D.5 | - |
| | | 5,0 | 6 | 57 | 13 | 18 | 0,10 | - | 4 | 892SX D.5 G6 | 892SXW D.5 G6 |
| | | 6,0 | 6 | 57 | 13 | 20 | 0,15 | - | 4 | 892SX D.6 | 892SXW D.6 |
| | | 8,0 | 8 | 63 | 19 | 25 | 0,15 | - | 4 | 892SX D.8 | 892SXW D.8 |
| | | 10,0 | 10 | 72 | 22 | 30 | 0,15 | - | 4 | 892SX D.10 | 892SXW D.10 |
| | | 12,0 | 12 | 83 | 26 | 36 | 0,20 | - | 4 | 892SX D.12 | 892SXW D.12 |
| | | 14,0 | 14 | 83 | 26 | 36 | 0,20 | - | 4 | 892SX D.14 | 892SXW D.14 |
| | | 16,0 | 16 | 92 | 32 | 42 | 0,20 | - | 4 | 892SX D.16 | 892SXW D.16 |
| | | 18,0 | 18 | 92 | 32 | 42 | 0,20 | - | 4 | 892SX D.18 | 892SXW D.18 |
| | | 20,0 | 20 | 104 | 38 | 52 | 0,20 | - | 4 | 892SX D.20 | 892SXW D.20 |

892SL | 892SLW

Fresa 4 taglienti serie lunga con divisione irregolare
 4 flute end mill long version with unequal flute spacing
 Vierschneider lange Ausführung mit unregelmäßiger Teilung
 Fraise à 4 dents à pas décalé, série longue



P K M MG Co10 Silmax NORM λ 38° 6535 HA 6535 HB Balinit® Alcrona

| 45° | | D | d | L | l | l1 | a | 45° | Z | 892SL | 892SLW |
|-----|--|------|----|-----|----|----|------|----------|---|------------|-------------|
| | | h10 | h6 | | ap | | | +0,05/+0 | | | |
| | | 5,0 | 6 | 74 | 20 | 25 | 0,10 | 0,10 | 4 | 892SL D.5 | 892SLW D.5 |
| | | 6,0 | 6 | 74 | 24 | 30 | 0,15 | 0,10 | 4 | 892SL D.6 | 892SLW D.6 |
| | | 8,0 | 8 | 80 | 32 | 40 | 0,15 | 0,15 | 4 | 892SL D.8 | 892SLW D.8 |
| | | 10,0 | 10 | 87 | 40 | 46 | 0,15 | 0,15 | 4 | 892SL D.10 | 892SLW D.10 |
| | | 12,0 | 12 | 105 | 48 | 58 | 0,20 | 0,15 | 4 | 892SL D.12 | 892SLW D.12 |
| | | 14,0 | 14 | 105 | 48 | 58 | 0,20 | 0,15 | 4 | 892SL D.14 | 892SLW D.14 |
| | | 16,0 | 16 | 125 | 64 | 68 | 0,20 | 0,20 | 4 | 892SL D.16 | 892SLW D.16 |
| | | 20,0 | 20 | 160 | 70 | 80 | 0,20 | 0,20 | 4 | 892SL D.20 | 892SLW D.20 |

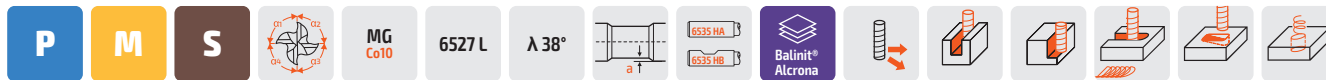
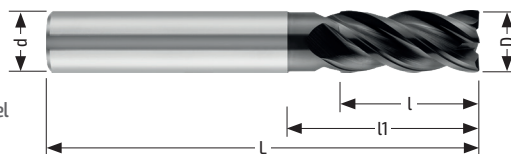
894S | 894SW

Fresa 4 taglienti serie normale con divisione irregolare per inox e acciai dolci

4 flute end mill regular version with unequal flute spacing for stainless steel and mild steel

Vierschneider Normalserie mit unregelmäßiger Teilung für rostfreien Stahl und Baustahl

Fraise à 4 dents à pas décalé série normale pour inox et acier doux



| 45° | D | d | L | l | l1 | a | 45° | Z | 894S | 894SW |
|-----|------|----|-----|----|----|------|----------|---|-----------|------------|
| | h10 | h6 | | ap | | | +0,05/+0 | | | |
| | 3,0 | 6 | 57 | 8 | 11 | 0,10 | 0,10 | 4 | 894S D.3 | 894SW D.3 |
| | 4,0 | 6 | 57 | 11 | 16 | 0,10 | 0,10 | 4 | 894S D.4 | 894SW D.4 |
| | 5,0 | 6 | 57 | 13 | 18 | 0,10 | 0,10 | 4 | 894S D.5 | 894SW D.5 |
| | 6,0 | 6 | 57 | 13 | 20 | 0,15 | 0,10 | 4 | 894S D.6 | 894SW D.6 |
| | 8,0 | 8 | 63 | 19 | 25 | 0,15 | 0,15 | 4 | 894S D.8 | 894SW D.8 |
| | 10,0 | 10 | 72 | 22 | 30 | 0,15 | 0,15 | 4 | 894S D.10 | 894SW D.10 |
| | 12,0 | 12 | 83 | 26 | 36 | 0,20 | 0,15 | 4 | 894S D.12 | 894SW D.12 |
| | 14,0 | 14 | 83 | 26 | 36 | 0,20 | 0,15 | 4 | 894S D.14 | 894SW D.14 |
| | 16,0 | 16 | 92 | 32 | 42 | 0,20 | 0,20 | 4 | 894S D.16 | 894SW D.16 |
| | 18,0 | 18 | 92 | 32 | 42 | 0,20 | 0,20 | 4 | 894S D.18 | 894SW D.18 |
| | 20,0 | 20 | 104 | 38 | 52 | 0,20 | 0,20 | 4 | 894S D.20 | 894SW D.20 |

P
Acciaio
Steel
Stahl
Acier

M
Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable

K
Ghisa
Cast Iron
Gusseisen
Fonte

N
Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium

S
HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane

H
Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés

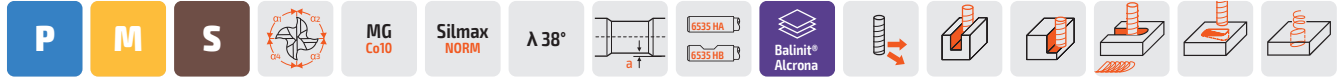
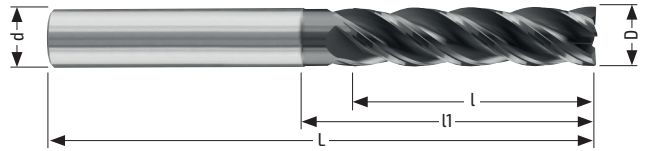
O
Non ISO
Not ISO
Nicht ISO
Non - ISO

Raccomandato
Recommended
Empfohlen
Recommandé

Adatto
Suitable
Geeignet
Adapté

894SL | 894SLW

Fresa 4 taglienti serie lunga con divisione irregolare per inox e acciai dolci
 4 flute end mill long version with unequal flute spacing for stainless steel and mild steel
 Vierschneider lange Ausführung mit unregelmäßiger Teilung für rostfreier Stahl und Baustahl
 Fraise à 4 dents à pas décalé série longue



| 45° | D | d | L | l | l1 | a | 45° | Z | 894SL | 894SLW |
|-----|------|----|-----|----|----|------|----------|---|------------|-------------|
| | h10 | h6 | | ap | | | +0,05/+0 | | | |
| | 5,0 | 6 | 74 | 20 | 25 | 0,10 | 0,10 | 4 | 894SL D.5 | 894SLW D.5 |
| | 6,0 | 6 | 74 | 24 | 30 | 0,15 | 0,10 | 4 | 894SL D.6 | 894SLW D.6 |
| | 8,0 | 8 | 80 | 32 | 40 | 0,15 | 0,15 | 4 | 894SL D.8 | 894SLW D.8 |
| | 10,0 | 10 | 87 | 40 | 46 | 0,15 | 0,15 | 4 | 894SL D.10 | 894SLW D.10 |
| | 12,0 | 12 | 105 | 48 | 58 | 0,20 | 0,15 | 4 | 894SL D.12 | 894SLW D.12 |
| | 14,0 | 14 | 105 | 48 | 58 | 0,20 | 0,15 | 4 | 894SL D.14 | 894SLW D.14 |
| | 16,0 | 16 | 125 | 64 | 68 | 0,20 | 0,20 | 4 | 894SL D.16 | 894SLW D.16 |
| | 20,0 | 20 | 160 | 70 | 80 | 0,20 | 0,20 | 4 | 894SL D.20 | 894SLW D.20 |



Scansiona il Qr-code per consultare i parametri di lavoro.
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 Scannez le code Qr pour visualiser les paramètres de fonctionnement.

894S/894SW



894SL/894SLW



Frese micro

Micro tools / Mikrofräser / Micro fraises

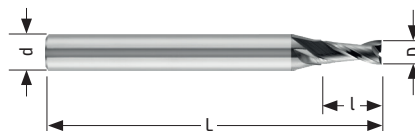
808S

Fresa 2 taglienti serie normale con gambo rinforzato

2 flute end mill regular version with reinforced shank

Fräser zwei Schneiden normale Serie mit verstärktem Schaft

Fraise à 2 dents avec queue renforcée série normale



| 90° | D h10 | d h6 | L | l ap | Z | 808S |
|-----|----------|---------|----|---------|---|--------------|
| | 1,0 | 6 | 53 | 3,0 | 2 | 808S D.1 |
| | 1,0 | 6 | 53 | 4,0 | 2 | 808SL D.1 |
| | 1,0 | 6 | 53 | 6,0 | 2 | 808SXL D.1 |
| | 1,5 | 6 | 53 | 4,0 | 2 | 808S D.1,5 |
| | 1,5 | 6 | 53 | 6,0 | 2 | 808SL D.1,5 |
| | 1,5 | 6 | 53 | 7,5 | 2 | 808SXL D.1,5 |
| | 2,0 | 6 | 53 | 6,0 | 2 | 808S D.2 |
| | 2,0 | 6 | 53 | 8,0 | 2 | 808SL D.2 |
| | 2,0 | 6 | 53 | 10,0 | 2 | 808SXL D.2 |
| | 2,5 | 6 | 53 | 7,0 | 2 | 808S D.2,5 |
| | 2,5 | 6 | 53 | 9,0 | 2 | 808SL D.2,5 |
| | 3,0 | 6 | 53 | 7,0 | 2 | 808S D.3 |
| | 3,0 | 6 | 53 | 12,0 | 2 | 808SL D.3 |
| | 3,5 | 6 | 53 | 7,0 | 2 | 808S D.3,5 |
| | 4,0 | 6 | 53 | 8,0 | 2 | 808S D.4 |
| | 4,0 | 6 | 53 | 12,0 | 2 | 808SL D.4 |
| | 4,0 | 6 | 57 | 16,0 | 2 | 808SXL D.4 |
| | 5,0 | 6 | 57 | 10,0 | 2 | 808S D.5 |



Acciaio
Steel
Stahl
Acier



Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable



Ghisa
Cast Iron
Gusseisen
Fonte



Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium



HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane



Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés



Non ISO
Not ISO
Nicht ISO
Non - ISO



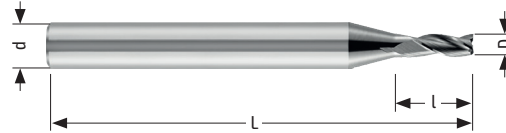
Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté

838S

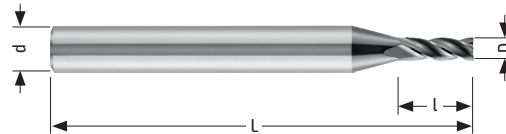
Fresa 3 taglienti serie normale con gambo rinforzato
 3 flute end mill with reinforced shank regular version
 Fräser drei Schneiden normale Serie mit verstärktem Schaft
 Fraise à 3 dents avec queue renforcée sèrie normale



| 90° | D | d | L | l | Z | 838S |
|-----|-----|----|----|----|---|-------------|
| | h10 | h6 | | ap | | |
| | 1,0 | 6 | 53 | 3 | 3 | 838S D.1 |
| | 1,5 | 6 | 53 | 4 | 3 | 838S D.1,5 |
| | 1,5 | 6 | 53 | 6 | 3 | 838SL D.1,5 |
| | 2,0 | 6 | 53 | 6 | 3 | 838S D.2 |
| | 2,0 | 6 | 53 | 8 | 3 | 838SL D.2 |
| | 2,5 | 6 | 53 | 7 | 3 | 838S D.2,5 |
| | 2,5 | 6 | 53 | 10 | 3 | 838SL D.2,5 |
| | 3,0 | 6 | 53 | 7 | 3 | 838S D.3 |
| | 3,0 | 6 | 53 | 12 | 3 | 838SL D.3 |
| | 3,5 | 6 | 53 | 7 | 3 | 838S D.3,5 |
| | 4,0 | 6 | 53 | 8 | 3 | 838S D.4 |
| | 4,0 | 6 | 53 | 12 | 3 | 838SL D.4 |
| | 5,0 | 6 | 57 | 10 | 3 | 838S D.5 |

858S

Fresa 4 taglienti serie normale con gambo rinforzato
 4 flute end mill with reinforced shank
 Fräser vier Schneiden normale Serie mit verstärktem Schaft
 Fraise à 4 dents avec queue renforcée sèrie normale



| 90° | D | d | L | l | Z | 858S |
|-----|-----|----|----|----|---|------------|
| | h10 | h6 | | ap | | |
| | 2,0 | 6 | 53 | 7 | 4 | 858S D.2 |
| | 2,5 | 6 | 53 | 8 | 4 | 858S D.2,5 |
| | 3,0 | 6 | 53 | 8 | 4 | 858S D.3 |
| | 3,5 | 6 | 53 | 10 | 4 | 858S D.3,5 |
| | 4,0 | 6 | 53 | 11 | 4 | 858S D.4 |
| | 5,0 | 6 | 57 | 13 | 4 | 858S D.5 |



Scansiona il Qr-code per consultare i parametri di lavoro.
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 Scannez le code Qr pour visualiser les paramètres de fonctionnement.

808S



838S

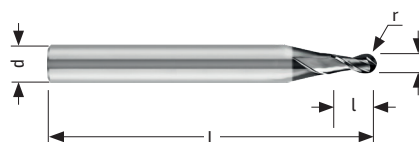


858S



816S

Fresa 2 taglienti serie normale semisferica con gambo rinforzato
 2 flute ball nose end mill regular version with reinforced shank
 Halbkugelförmiger Schaftfräser zwei Schneiden normale Serie
 Fraise hémisphérique à 2 dents avec queue renforcée, série normale



| D h10 | d h6 | L | l ap | r | Z | 816S |
|----------|---------|----|---------|------|---|---------------|
| 1,0 | 3 | 38 | 3 | 0,50 | 2 | 816S D.1 |
| 1,0 | 6 | 53 | 3 | 0,50 | 2 | 816S D.1 G6 |
| 1,5 | 3 | 38 | 4 | 0,75 | 2 | 816S D.1,5 |
| 1,5 | 6 | 53 | 4 | 0,75 | 2 | 816S D.1,5 G6 |
| 2,0 | 3 | 38 | 5 | 1,00 | 2 | 816S D.2 |
| 2,0 | 6 | 53 | 5 | 1,00 | 2 | 816S D.2 G6 |
| 2,5 | 3 | 38 | 7 | 1,25 | 2 | 816S D.2,5 |
| 2,5 | 6 | 53 | 7 | 1,25 | 2 | 816S D.2,5 G6 |
| 3,0 | 3 | 38 | 7 | 1,50 | 2 | 816S D.3 |
| 3,0 | 6 | 53 | 7 | 1,50 | 2 | 816S D.3 G6 |
| 4,0 | 6 | 57 | 8 | 2,00 | 2 | 816S D.4 |



Acciaio
Steel
Stahl
Acier



Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable



Ghisa
Cast Iron
Gusseisen
Fonte



Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium



HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane



Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés



Non ISO
Not ISO
Nicht ISO
Non - ISO



Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté



Scansiona il Qr-code per consultare i parametri di lavoro.
 Scan the Qr-code to view the working parameters.
 Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
 Scannez le code Qr pour visualiser les paramètres de fonctionnement.

816S



810/810W



812/812W

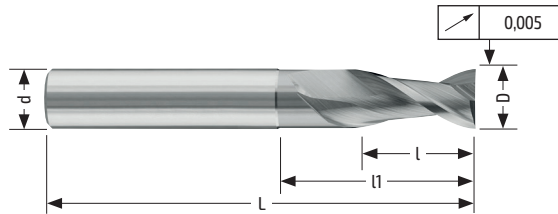


Alluminio

Aluminium / Fräser für Aluminium / Fraises pour l'aluminium

810 | 810W

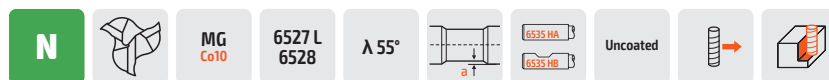
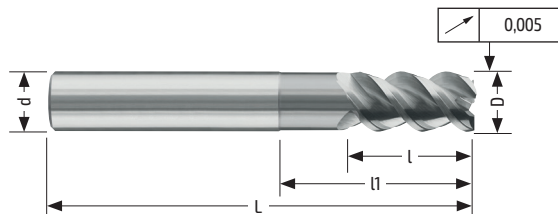
Fresa 2 taglienti serie normale per alluminio
 2 flute end mill for aluminium, regular version
 Fräser zwei Schneiden normale Serie für Aluminium
 Fraise à 2 dents pour alu, série normale



| 90° | D | d | L | l | l1 | a | Z | 810 | 810W |
|-----|------|----|-----|----|----|------|---|----------|-----------|
| | h6 | h6 | | ap | | | | | |
| | 2,0 | 3 | 50 | 6 | - | - | 2 | 810 D.2 | - |
| | 3,0 | 3 | 50 | 7 | 18 | 0,10 | 2 | 810 D.3 | - |
| | 4,0 | 4 | 50 | 8 | 19 | 0,10 | 2 | 810 D.4 | - |
| | 5,0 | 5 | 50 | 10 | 21 | 0,10 | 2 | 810 D.5 | - |
| | 6,0 | 6 | 57 | 10 | 21 | 0,15 | 2 | 810 D.6 | 810W D.6 |
| | 8,0 | 8 | 63 | 16 | 27 | 0,15 | 2 | 810 D.8 | 810W D.8 |
| | 10,0 | 10 | 72 | 19 | 30 | 0,15 | 2 | 810 D.10 | 810W D.10 |
| | 12,0 | 12 | 83 | 22 | 38 | 0,20 | 2 | 810 D.12 | 810W D.12 |
| | 14,0 | 14 | 83 | 22 | 38 | 0,20 | 2 | 810 D.14 | 810W D.14 |
| | 16,0 | 16 | 92 | 26 | 42 | 0,20 | 2 | 810 D.16 | 810W D.16 |
| | 20,0 | 20 | 104 | 32 | 54 | 0,20 | 2 | 810 D.20 | 810W D.20 |

812 | 812W

Fresa 3 taglienti serie normale per finitura di alluminio
 3 flute end mill for aluminium finishing, regular version
 Schaftfräser drei Schneiden normale Serie für die Aluminiumveredelung
 Fraise à 3 dents pour finition aluminium, série normale



| 90° | D | d | L | l | l1 | a | Z | 812 | 812W |
|-----|------|----|-----|----|----|------|---|----------|-----------|
| | h6 | h6 | | ap | | | | | |
| | 4,0 | 4 | 50 | 8 | 19 | 0,10 | 3 | 812 D.4 | - |
| | 5,0 | 5 | 50 | 10 | 21 | 0,10 | 3 | 812 D.5 | - |
| | 6,0 | 6 | 57 | 10 | 21 | 0,15 | 3 | 812 D.6 | 812W D.6 |
| | 7,0 | 7 | 60 | 13 | 24 | 0,15 | 3 | 812 D.7 | - |
| | 8,0 | 8 | 63 | 16 | 27 | 0,15 | 3 | 812 D.8 | 812W D.8 |
| | 9,0 | 9 | 67 | 16 | 27 | 0,15 | 3 | 812 D.9 | - |
| | 10,0 | 10 | 72 | 19 | 30 | 0,15 | 3 | 812 D.10 | 812W D.10 |
| | 12,0 | 12 | 83 | 22 | 38 | 0,20 | 3 | 812 D.12 | 812W D.12 |
| | 14,0 | 14 | 83 | 22 | 38 | 0,20 | 3 | 812 D.14 | 812W D.14 |
| | 16,0 | 16 | 92 | 26 | 42 | 0,20 | 3 | 812 D.16 | 812W D.16 |
| | 20,0 | 20 | 104 | 32 | 54 | 0,20 | 4 | 812 D.20 | 812W D.20 |

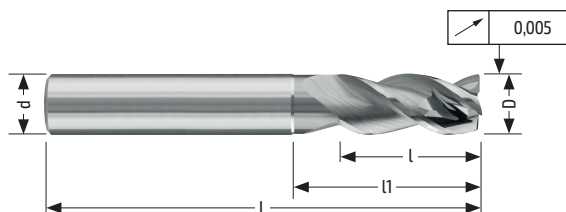
813 | 813W

Fresa a 3 taglienti serie normale
per alluminio con divisione irregolare

3 flute end mill with unequal flute spacing regular version

Schaftfräser drei Schneiden normale Serie
mit unregelmäßiger Teilung für Aluminium

Fraise à 3 dents à pas décalé pour usinage aluminium, série normale



| 45° | D | d | L | l | l1 | a | 45° | Z | 813 | 813W |
|-----|------|----|-----|----|----|------|----------|---|----------|------------|
| | h6 | h6 | | ap | | | +0,05/+0 | | | |
| | 3,0 | 6 | 57 | 8 | - | - | 0,05 | 3 | 813 D.3 | 813SW D.3 |
| | 4,0 | 6 | 57 | 11 | - | - | 0,05 | 3 | 813 D.4 | 813SW D.4 |
| | 5,0 | 6 | 57 | 13 | - | - | 0,10 | 3 | 813 D.5 | 813SW D.5 |
| | 6,0 | 6 | 57 | 13 | 20 | 0,15 | 0,10 | 3 | 813 D.6 | 813SW D.6 |
| | 8,0 | 8 | 63 | 19 | 25 | 0,15 | 0,15 | 3 | 813 D.8 | 813SW D.8 |
| | 10,0 | 10 | 72 | 22 | 30 | 0,15 | 0,20 | 3 | 813 D.10 | 813SW D.10 |
| | 12,0 | 12 | 83 | 26 | 36 | 0,20 | 0,25 | 3 | 813 D.12 | 813SW D.12 |
| | 16,0 | 16 | 92 | 32 | 42 | 0,20 | 0,30 | 3 | 813 D.16 | 813SW D.16 |
| | 20,0 | 20 | 104 | 38 | 52 | 0,20 | 0,35 | 3 | 813 D.20 | 813SW D.20 |



Acciaio
Steel
Stahl
Acier



Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable



Ghisa
Cast Iron
Gusseisen
Fonte



Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium



HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane



Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés



Non ISO
Not ISO
Nicht ISO
Non - ISO



Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté



Scansiona il Qr-code per consultare i parametri di lavoro.
Scan the Qr-code to view the working parameters.
Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

813



856S/856SW



Multi applicazioni

Multi applications / Mehrzweckanwendung / Fraises multi-applications

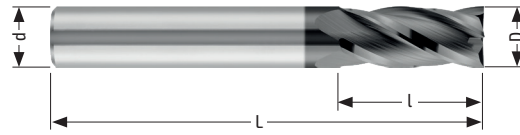
856S | 856SW

Fresa 4 taglienti serie normale

4 flute end mill regular version

Schaftfräser vier Schneiden normale Serie

Fraise à 4 dents, série normale

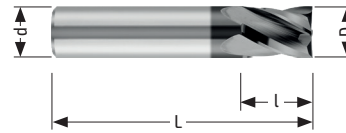


| 90° | D | d | L | l | Cr | Z | 856S | 856SW |
|-----|------|----|-----|----|----|---|------------|-------------|
| | h10 | h6 | | ap | | | | |
| | 2,0 | 4 | 50 | 7 | - | 4 | 856S D.2 | - |
| | 2,5 | 4 | 50 | 8 | - | 4 | 856S D.2,5 | - |
| | 3,0 | 4 | 50 | 8 | - | 4 | 856S D.3 | - |
| | 3,5 | 4 | 50 | 10 | - | 4 | 856S D.3,5 | - |
| | 4,0 | 4 | 50 | 11 | - | 4 | 856S D.4 | - |
| | 4,5 | 5 | 50 | 11 | - | 4 | 856S D.4,5 | - |
| | 5,0 | 5 | 50 | 13 | - | 4 | 856S D.5 | - |
| | 5,5 | 6 | 57 | 13 | - | 4 | 856S D.5,5 | 856SW D.5,5 |
| | 6,0 | 6 | 57 | 13 | - | 4 | 856S D.6 | 856SW D.6 |
| | 6,5 | 7 | 60 | 16 | - | 4 | 856S D.6,5 | - |
| | 7,0 | 7 | 60 | 16 | - | 4 | 856S D.7 | - |
| | 7,5 | 8 | 63 | 19 | - | 4 | 856S D.7,5 | 856SW D.7,5 |
| | 8,0 | 8 | 63 | 19 | - | 4 | 856S D.8 | 856SW D.8 |
| | 8,5 | 9 | 67 | 19 | - | 4 | 856S D.8,5 | - |
| | 9,0 | 9 | 67 | 19 | - | 4 | 856S D.9 | - |
| | 9,5 | 10 | 72 | 22 | - | 4 | 856S D.9,5 | 856SW D.9,5 |
| | 10,0 | 10 | 72 | 22 | - | 4 | 856S D.10 | 856SW D.10 |
| | 11,0 | 11 | 83 | 26 | - | 4 | 856S D.11 | - |
| | 12,0 | 12 | 83 | 26 | - | 4 | 856S D.12 | 856SW D.12 |
| | 13,0 | 13 | 83 | 26 | - | 4 | 856S D.13 | - |
| | 14,0 | 14 | 83 | 26 | - | 4 | 856S D.14 | 856SW D.14 |
| | 15,0 | 15 | 92 | 32 | - | 4 | 856S D.15 | - |
| | 16,0 | 16 | 92 | 32 | - | 4 | 856S D.16 | 856SW D.16 |
| | 18,0 | 18 | 92 | 32 | - | 4 | 856S D.18 | 856SW D.18 |
| | 20,0 | 20 | 104 | 38 | - | 4 | 856S D.20 | 856SW D.20 |

| Cr | D | d | L | l | Cr | Z | 856CR | 856CRW |
|----|------|----|-----|----|------|---|----------------|-----------------|
| | h10 | h6 | | ap | | | | |
| | 2,0 | 4 | 50 | 7 | 0,50 | 4 | 856S D.2 CR05 | - |
| | 3,0 | 4 | 50 | 8 | 0,50 | 4 | 856S D.3 CR05 | - |
| | 4,0 | 4 | 50 | 11 | 0,50 | 4 | 856S D.4 CR05 | - |
| | 5,0 | 5 | 50 | 13 | 1,00 | 4 | 856S D.5 CR10 | - |
| | 6,0 | 6 | 57 | 13 | 0,50 | 4 | 856S D.6 CR05 | 856SW D.6 CR05 |
| | 6,0 | 6 | 57 | 13 | 1,00 | 4 | 856S D.6 CR10 | 856SW D.6 CR10 |
| | 8,0 | 8 | 63 | 19 | 0,50 | 4 | 856S D.8 CR05 | 856SW D.8 CR05 |
| | 8,0 | 8 | 63 | 19 | 1,00 | 4 | 856S D.8 CR10 | 856SW D.8 CR10 |
| | 10,0 | 10 | 72 | 22 | 0,50 | 4 | 856S D.10 CR05 | 856SW D.10 CR05 |
| | 10,0 | 10 | 72 | 22 | 1,00 | 4 | 856S D.10 CR10 | 856SW D.10 CR10 |
| | 10,0 | 10 | 72 | 22 | 2,00 | 4 | 856S D.10 CR20 | 856SW D.10 CR20 |
| | 12,0 | 12 | 83 | 26 | 0,50 | 4 | 856S D.12 CR05 | 856SW D.12 CR05 |
| | 12,0 | 12 | 83 | 26 | 1,00 | 4 | 856S D.12 CR10 | 856SW D.12 CR10 |
| | 12,0 | 12 | 83 | 26 | 2,00 | 4 | 856S D.12 CR20 | 856SW D.12 CR20 |
| | 14,0 | 14 | 83 | 26 | 1,50 | 4 | 856S D.14 CR15 | 856SW D.14 CR15 |
| | 16,0 | 16 | 92 | 32 | 1,50 | 4 | 856S D.16 CR15 | 856SW D.16 CR15 |
| | 18,0 | 18 | 92 | 32 | 1,50 | 4 | 856S D.18 CR15 | 856SW D.18 CR15 |
| | 20,0 | 20 | 104 | 38 | 2,00 | 4 | 856S D.20 CR20 | 856SW D.20 CR20 |

829S

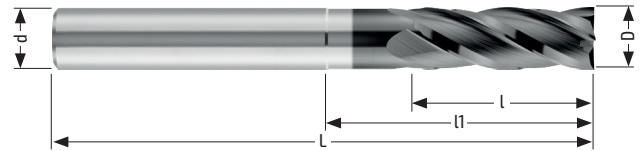
Fresa 4 taglienti serie extra corta
4 flute end mill extra short version
Schafffräser vier Schneiden extra kurz
Fraise à 4 dents, série extra courte



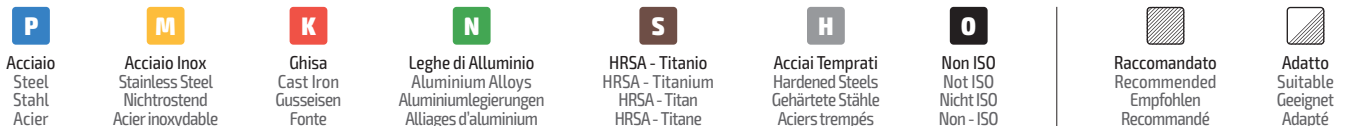
| 90° | D | d | L | l | Z | 829S |
|-----|------|----|----|----|---|------------|
| | h10 | h6 | | ap | | |
| | 2,0 | 6 | 38 | 4 | 4 | 829S D. 2 |
| | 3,0 | 6 | 38 | 5 | 4 | 829S D. 3 |
| | 4,0 | 6 | 38 | 7 | 4 | 829S D. 4 |
| | 5,0 | 6 | 38 | 8 | 4 | 829S D. 5 |
| | 6,0 | 6 | 38 | 8 | 4 | 829S D. 6 |
| | 8,0 | 8 | 43 | 11 | 4 | 829S D. 8 |
| | 10,0 | 10 | 50 | 13 | 4 | 829S D. 10 |
| | 12,0 | 12 | 63 | 14 | 4 | 829S D. 12 |

859S | 859SW

Fresa 4 taglienti serie lunga
4 flute end mill long version
Schafffräser vier Schneiden lange Ausführung
Fraise à 4 dents, série longue

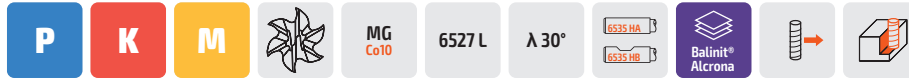
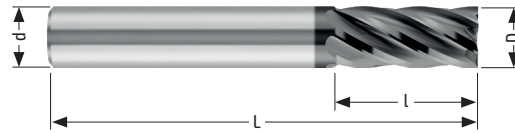


| 90° | D | d | L | l | l1 | a | Z | 859S | 859SW |
|-----|------|----|-----|----|----|------|---|------------|-------------|
| | h10 | h6 | | ap | | | | | |
| | 3,0 | 3 | 62 | 14 | - | - | 4 | 859S D. 3 | - |
| | 4,0 | 4 | 62 | 16 | - | - | 4 | 859S D. 4 | - |
| | 5,0 | 5 | 62 | 20 | - | - | 4 | 859S D. 5 | - |
| | 6,0 | 6 | 78 | 20 | 30 | 0,15 | 4 | 859S D. 6 | 859SW D. 6 |
| | 8,0 | 8 | 78 | 25 | 35 | 0,15 | 4 | 859S D. 8 | 859SW D. 8 |
| | 10,0 | 10 | 105 | 28 | 48 | 0,15 | 4 | 859S D. 10 | 859SW D. 10 |
| | 12,0 | 12 | 105 | 32 | 52 | 0,20 | 4 | 859S D. 12 | 859SW D. 12 |
| | 16,0 | 16 | 130 | 40 | 60 | 0,20 | 4 | 859S D. 16 | 859SW D. 16 |



861S | 861SW

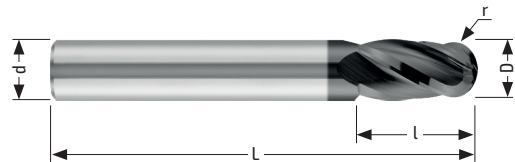
Fresa 6 taglienti serie normale
6 flute end mill regular version
Schaftfräser sechs Schneiden normale Serie
Fraise à 6 dents, série normale



| 90° | D h10 | d h6 | L | l ap | Z | 861S | 861SW |
|-----|----------|---------|-----|---------|----|------------|-------------|
| | | 6,0 | 6 | 57 | 13 | 6 | 861S D. 6 |
| | 8,0 | 8 | 63 | 19 | 6 | 861S D. 8 | 861SW D. 8 |
| | 10,0 | 10 | 72 | 22 | 6 | 861S D. 10 | 861SW D. 10 |
| | 12,0 | 12 | 83 | 26 | 6 | 861S D. 12 | 861SW D. 12 |
| | 14,0 | 14 | 83 | 26 | 6 | 861S D. 14 | 861SW D. 14 |
| | 16,0 | 16 | 92 | 32 | 6 | 861S D. 16 | 861SW D. 16 |
| | 20,0 | 20 | 104 | 38 | 8 | 861S D. 20 | 861SW D. 20 |

866S | 866SW

Fresa 4 taglienti semisferica serie normale
4 flute ball nose end mill regular version
Halbkugelförmiger Schaftfräser vier Schneiden normale Serie
Fraise hémisphérique à 4 dents, série normale



| | D h10 | d h6 | L | l ap | r | Z | 866S | 866SW |
|--|----------|---------|-----|---------|-------|------|------------|-------------|
| | | 2,0 | 3 | 38 | 5 | 1,00 | 4 | 866S D. 2 |
| | 3,0 | 3 | 38 | 7 | 1,50 | 4 | 866S D. 3 | - |
| | 4,0 | 4 | 50 | 8 | 2,00 | 4 | 866S D. 4 | - |
| | 5,0 | 5 | 50 | 10 | 2,50 | 4 | 866S D. 5 | - |
| | 6,0 | 6 | 57 | 10 | 3,00 | 4 | 866S D. 6 | 866SW D. 6 |
| | 7,0 | 7 | 60 | 13 | 3,50 | 4 | 866S D. 7 | - |
| | 8,0 | 8 | 63 | 16 | 4,00 | 4 | 866S D. 8 | 866SW D. 8 |
| | 9,0 | 9 | 67 | 16 | 4,50 | 4 | 866S D. 9 | - |
| | 10,0 | 10 | 72 | 19 | 5,00 | 4 | 866S D. 10 | 866SW D. 10 |
| | 12,0 | 12 | 83 | 22 | 6,00 | 4 | 866S D. 12 | 866SW D. 12 |
| | 13,0 | 13 | 83 | 22 | 6,50 | 4 | 866S D. 13 | - |
| | 14,0 | 14 | 83 | 22 | 7,00 | 4 | 866S D. 14 | 866SW D. 14 |
| | 16,0 | 16 | 92 | 26 | 8,00 | 4 | 866S D. 16 | 866SW D. 16 |
| | 18,0 | 18 | 92 | 26 | 9,00 | 4 | 866S D. 18 | 866SW D. 18 |
| | 20,0 | 20 | 104 | 32 | 10,00 | 4 | 866S D. 20 | 866SW D. 20 |



Scansiona il Qr-code per consultare i parametri di lavoro.
Scan the Qr-code to view the working parameters.
Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

829S



859S/859SW



861S/861SW

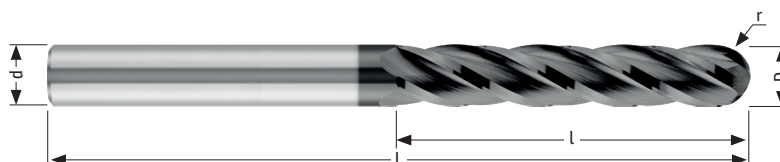


866S/866SW



883S | 883SW

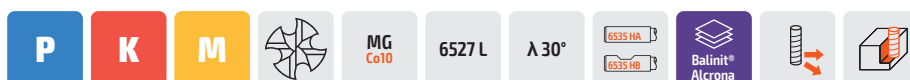
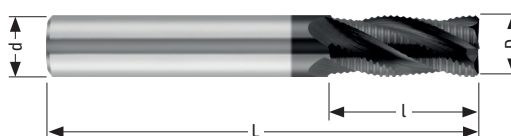
Fresa 4 taglienti semisferica serie lunga
 4 flute ball nose end mill long version
 Halbkugelförmiger Schaftfräser vier Schneiden lange Ausführung
 Fraise hémisphérique à 4 dents, série longue



| | D h10 | d h6 | L | l ap | r | Z | 883S | 883SW |
|--|----------|---------|-----|---------|------|---|-----------|------------|
| | 6,0 | 6 | 105 | 42 | 3,00 | 4 | 883S D.6 | 883SW D.6 |
| | 8,0 | 8 | 105 | 50 | 4,00 | 4 | 883S D.8 | 883SW D.8 |
| | 10,0 | 10 | 120 | 50 | 5,00 | 4 | 883S D.10 | 883SW D.10 |
| | 12,0 | 12 | 160 | 65 | 6,00 | 4 | 883S D.12 | 883SW D.12 |
| | 16,0 | 16 | 160 | 70 | 8,00 | 4 | 883S D.16 | 883SW D.16 |

871S | 871SW

Fresa a sgrossare 4 taglienti serie normale con rompitruciolo
 4 flute roughing end mill with chip breaker regular version
 Schruppfräser mit vier Schneiden normale Serie und Spanbrecher
 Fraise ébauche à 4 dents avec brise copeaux série normale

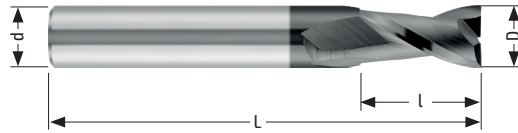


| | D h11 | d h6 | L | l ap | 45° +/-0,3 | Z | 871S | 871SW |
|--|----------|---------|-----|---------|---------------|---|------------|-------------|
| | 4,0 | 6 | 57 | 13 | 0,40 | 4 | 871S D.4 | 871SW D.4 |
| | 4,5 | 6 | 57 | 13 | 0,40 | 4 | 871S D.4,5 | 871SW D.4,5 |
| | 5,0 | 6 | 57 | 13 | 0,50 | 4 | 871S D.5 | 871SW D.5 |
| | 5,5 | 6 | 57 | 13 | 0,50 | 4 | 871S D.5,5 | 871SW D.5,5 |
| | 6,0 | 6 | 57 | 13 | 0,50 | 4 | 871S D.6 | 871SW D.6 |
| | 7,0 | 7 | 60 | 16 | 0,50 | 4 | 871S D.7 | - |
| | 8,0 | 8 | 63 | 19 | 0,50 | 4 | 871S D.8 | 871SW D.8 |
| | 9,0 | 9 | 67 | 19 | 0,50 | 4 | 871S D.9 | - |
| | 10,0 | 10 | 72 | 22 | 0,50 | 4 | 871S D.10 | 871SW D.10 |
| | 11,0 | 11 | 83 | 26 | 0,50 | 4 | 871S D.11 | - |
| | 12,0 | 12 | 83 | 26 | 0,50 | 4 | 871S D.12 | 871SW D.12 |
| | 13,0 | 13 | 83 | 26 | 0,60 | 4 | 871S D.13 | - |
| | 14,0 | 14 | 83 | 26 | 0,60 | 4 | 871S D.14 | 871SW D.14 |
| | 15,0 | 15 | 92 | 32 | 0,60 | 4 | 871S D.15 | - |
| | 16,0 | 16 | 92 | 32 | 0,60 | 4 | 871S D.16 | 871SW D.16 |
| | 18,0 | 18 | 92 | 32 | 0,60 | 4 | 871S D.18 | 871SW D.18 |
| | 20,0 | 20 | 104 | 38 | 0,60 | 4 | 871S D.20 | 871SW D.20 |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| P Acciaio Steel Stahl Acier | M Acciaio Inox Stainless Steel Nichtrostend Acier inoxydable | K Ghisa Cast Iron Gusseisen Fonte | N Leghe di Alluminio Aluminium Alloys Aluminiumlegierungen Alliages d'aluminium | S HRSA - Titanio HRSA - Titanium HRSA - Titan HRSA - Titane | H Acciai Temprati Hardened Steels Gehärtete Stähle Aciers trempés | O Non ISO Not ISO Nicht ISO Non - ISO | Raccomandato Recommended Empfohlen Recommandé | Adatto Suitable Geeignet Adapté |
|--|---|--|--|--|--|--|--|--|

806S | 806SW

Fresa 2 taglienti serie normale
2 flute end mill regular version
Schaftfräser zwei Schneiden normale Serie
Fraise à 2 dents, série normale



| 90° | D | d | L | l | Cr | Z | 806S | 806SW |
|-----|------|----|-----|----|----|---|------------|-------------|
| | h10 | h6 | | ap | | | | |
| | 2,0 | 4 | 50 | 5 | - | 2 | 806S D.2 | - |
| | 2,5 | 4 | 50 | 7 | - | 2 | 806S D.2,5 | - |
| | 3,0 | 4 | 50 | 7 | - | 2 | 806S D.3 | - |
| | 3,5 | 4 | 50 | 7 | - | 2 | 806S D.3,5 | - |
| | 4,0 | 4 | 50 | 8 | - | 2 | 806S D.4 | - |
| | 4,5 | 5 | 50 | 8 | - | 2 | 806S D.4,5 | - |
| | 5,0 | 5 | 50 | 10 | - | 2 | 806S D.5 | - |
| | 5,5 | 6 | 57 | 10 | - | 2 | 806S D.5,5 | 806SW D.5,5 |
| | 6,0 | 6 | 57 | 10 | - | 2 | 806S D.6 | 806SW D.6 |
| | 7,0 | 7 | 60 | 13 | - | 2 | 806S D.7 | - |
| | 8,0 | 8 | 63 | 16 | - | 2 | 806S D.8 | 806SW D.8 |
| | 9,0 | 9 | 67 | 16 | - | 2 | 806S D.9 | - |
| | 10,0 | 10 | 72 | 19 | - | 2 | 806S D.10 | 806SW D.10 |
| | 11,0 | 11 | 83 | 22 | - | 2 | 806S D.11 | - |
| | 12,0 | 12 | 83 | 22 | - | 2 | 806S D.12 | 806SW D.12 |
| | 13,0 | 13 | 83 | 22 | - | 2 | 806S D.13 | - |
| | 14,0 | 14 | 83 | 22 | - | 2 | 806S D.14 | 806SW D.14 |
| | 15,0 | 15 | 92 | 26 | - | 2 | 806S D.15 | - |
| | 16,0 | 16 | 92 | 26 | - | 2 | 806S D.16 | 806SW D.16 |
| | 17,0 | 17 | 92 | 26 | - | 2 | 806S D.17 | - |
| | 18,0 | 18 | 92 | 26 | - | 2 | 806S D.18 | 806SW D.18 |
| | 19,0 | 19 | 92 | 26 | - | 2 | 806S D.19 | - |
| | 20,0 | 20 | 104 | 32 | - | 2 | 806S D.20 | 806SW D.20 |

| Cr | D | d | L | l | Cr | Z | 806CR | 806CRW |
|----|------|----|-----|----|------|---|----------------|-----------------|
| | h10 | h6 | | ap | | | | |
| | 2,0 | 4 | 50 | 5 | 0,50 | 2 | 806S D.2 CR05 | - |
| | 3,0 | 4 | 50 | 7 | 0,50 | 2 | 806S D.3 CR05 | - |
| | 4,0 | 4 | 50 | 8 | 0,50 | 2 | 806S D.4 CR05 | - |
| | 5,0 | 5 | 50 | 10 | 1,00 | 2 | 806S D.5 CR10 | - |
| | 6,0 | 6 | 57 | 10 | 0,50 | 2 | 806S D.6 CR05 | 806SW D.6 CR05 |
| | 6,0 | 6 | 57 | 10 | 1,00 | 2 | 806S D.6 CR10 | 806SW D.6 CR10 |
| | 8,0 | 8 | 63 | 16 | 0,50 | 2 | 806S D.8 CR05 | 806SW D.8 CR05 |
| | 8,0 | 8 | 63 | 16 | 1,00 | 2 | 806S D.8 CR10 | 806SW D.8 CR10 |
| | 10,0 | 10 | 72 | 19 | 0,50 | 2 | 806S D.10 CR05 | 806SW D.10 CR05 |
| | 10,0 | 10 | 72 | 19 | 1,00 | 2 | 806S D.10 CR10 | 806SW D.10 CR10 |
| | 10,0 | 10 | 72 | 19 | 2,00 | 2 | 806S D.10 CR20 | 806SW D.10 CR20 |
| | 12,0 | 12 | 83 | 22 | 0,50 | 2 | 806S D.12 CR05 | 806SW D.12 CR05 |
| | 12,0 | 12 | 83 | 22 | 1,00 | 2 | 806S D.12 CR10 | 806SW D.12 CR10 |
| | 12,0 | 12 | 83 | 22 | 2,00 | 2 | 806S D.12 CR20 | 806SW D.12 CR20 |
| | 14,0 | 14 | 83 | 22 | 1,50 | 2 | 806S D.14 CR15 | 806SW D.14 CR15 |
| | 16,0 | 16 | 92 | 26 | 1,50 | 2 | 806S D.16 CR15 | 806SW D.16 CR15 |
| | 18,0 | 18 | 92 | 26 | 1,50 | 2 | 806S D.18 CR15 | 806SW D.18 CR15 |
| | 20,0 | 20 | 104 | 32 | 2,00 | 2 | 806S D.20 CR20 | 806SW D.20 CR20 |



Scansiona il Qr-code per consultare i parametri di lavoro.
Scan the Qr-code to view the working parameters.
Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

8835/8835W



8715/8715W

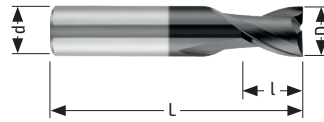


806S/806SW



821S

Fresa 2 taglienti serie extra corta
 2 flute end mill, extra short version
 Schafffräser zwei Schneiden extra kurz
 Fraise à 2 dents, série extra courte

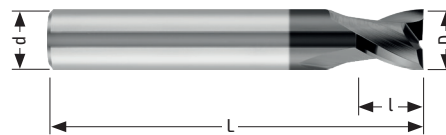


P K M MG Co10 Silmax NORM $\lambda 30^\circ$ 6535 HA Balinit® Alcrona

| 90° | D | d | L | l | Z | 821S |
|-----|------|----|----|----|---|-----------|
| | h10 | h6 | | ap | | |
| | 2,0 | 6 | 38 | 3 | 2 | 821S D.2 |
| | 3,0 | 6 | 38 | 4 | 2 | 821S D.3 |
| | 4,0 | 6 | 38 | 5 | 2 | 821S D.4 |
| | 5,0 | 6 | 38 | 6 | 2 | 821S D.5 |
| | 6,0 | 6 | 38 | 7 | 2 | 821S D.6 |
| | 7,0 | 8 | 43 | 9 | 2 | 821S D.7 |
| | 8,0 | 8 | 43 | 9 | 2 | 821S D.8 |
| | 9,0 | 10 | 50 | 11 | 2 | 821S D.9 |
| | 10,0 | 10 | 50 | 11 | 2 | 821S D.10 |
| | 12,0 | 12 | 63 | 12 | 2 | 821S D.12 |

801S | 801SW

Fresa 2 taglienti serie corta per sedi di chiavetta
 2 flute key slot end mill, short version
 Schafffräser zwei Schneiden extra kurz für Passfedernuten
 Fraise à 2 dents, série courte, pour logement de clavettes



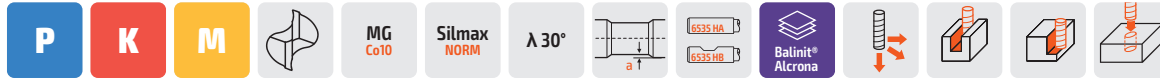
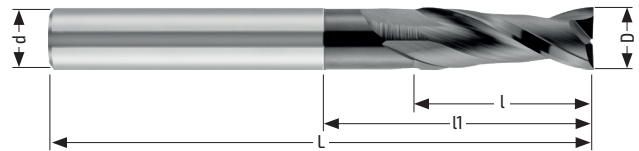
P K M MG Co10 6527 K 6528 $\lambda 30^\circ$ 6535 HA 6535 HB Balinit® Alcrona

| 90° | D | d | L | l | Z | 801S | 801SW |
|-----|------|----|----|----|---|------------|-------------|
| | e8 | h6 | | ap | | | |
| | 2,0 | 6 | 50 | 3 | 2 | 801S D.2 | 801SW D.2 |
| | 2,5 | 6 | 50 | 3 | 2 | 801S D.2,5 | 801SW D.2,5 |
| | 3,0 | 6 | 50 | 4 | 2 | 801S D.3 | 801SW D.3 |
| | 3,5 | 6 | 50 | 4 | 2 | 801S D.3,5 | 801SW D.3,5 |
| | 4,0 | 6 | 54 | 5 | 2 | 801S D.4 | 801SW D.4 |
| | 4,5 | 6 | 54 | 5 | 2 | 801S D.4,5 | 801SW D.4,5 |
| | 5,0 | 6 | 54 | 6 | 2 | 801S D.5 | 801SW D.5 |
| | 5,5 | 6 | 54 | 6 | 2 | 801S D.5,5 | 801SW D.5,5 |
| | 6,0 | 6 | 54 | 7 | 2 | 801S D.6 | 801SW D.6 |
| | 7,0 | 8 | 58 | 9 | 2 | 801S D.7 | 801SW D.7 |
| | 8,0 | 8 | 58 | 9 | 2 | 801S D.8 | 801SW D.8 |
| | 9,0 | 10 | 66 | 11 | 2 | 801S D.9 | 801SW D.9 |
| | 10,0 | 10 | 66 | 11 | 2 | 801S D.10 | 801SW D.10 |
| | 11,0 | 12 | 73 | 12 | 2 | 801S D.11 | 801SW D.11 |
| | 12,0 | 12 | 73 | 12 | 2 | 801S D.12 | 801SW D.12 |
| | 13,0 | 14 | 75 | 14 | 2 | 801S D.13 | 801SW D.13 |
| | 14,0 | 14 | 75 | 14 | 2 | 801S D.14 | 801SW D.14 |
| | 15,0 | 16 | 82 | 16 | 2 | 801S D.15 | 801SW D.15 |
| | 16,0 | 16 | 82 | 16 | 2 | 801S D.16 | 801SW D.16 |
| | 20,0 | 20 | 92 | 20 | 2 | 801S D.20 | 801SW D.20 |

P Acciaio Steel Stahl Acier M Acciaio Inox Stainless Steel Nichtrostend Acier inoxydable K Ghisa Cast Iron Gusseisen Fonte N Leghe di Alluminio Aluminium Alloys Aluminiumlegierungen Alliages d'aluminium S HRSA - Titanium HRSA - Titan HRSA - Titane H Acciai Temprati Hardened Steels Gehärtete Stähle Aciers trempés O Non ISO Not ISO Nicht ISO Non - ISO Raccomandato Recommended Empfohlen Recommandé Adatto Suitable Geeignet Adapté

879S | 879SW

Fresa 2 taglienti serie media
 2 flute end mill medium version
 Schaftfräser zwei Schneiden mittlere Serie
 Fraise à 2 dents, série moyenne



| 90° | D | d | L | l | l1 | a | Z | 879S | 879SW |
|-----|------|----|-----|----|----|------|---|-----------|------------|
| | h10 | h6 | | ap | | | | | |
| | 3,0 | 3 | 62 | 14 | - | - | 2 | 879S D.3 | - |
| | 4,0 | 4 | 62 | 16 | - | - | 2 | 879S D.4 | - |
| | 5,0 | 5 | 62 | 20 | - | - | 2 | 879S D.5 | - |
| | 6,0 | 6 | 78 | 20 | 30 | 0,15 | 2 | 879S D.6 | 879SW D.6 |
| | 8,0 | 8 | 78 | 25 | 35 | 0,15 | 2 | 879S D.8 | 879SW D.8 |
| | 10,0 | 10 | 105 | 28 | 48 | 0,15 | 2 | 879S D.10 | 879SW D.10 |
| | 12,0 | 12 | 105 | 32 | 52 | 0,20 | 2 | 879S D.12 | 879SW D.12 |
| | 16,0 | 16 | 130 | 40 | 60 | 0,20 | 2 | 879S D.16 | 879SW D.16 |

816S | 816SW

Fresa 2 taglienti semisferica serie normale
 2 flute ball nose end mill, regular version
 Halbkugelförmiger Schaftfräser zwei Schneiden normale Serie
 Fraise hémisphérique à 2 dents, série normale



| 90° | D | d | L | l | r | Z | 816S | 816SW |
|-----|------|----|-----|----|------|---|-----------|------------|
| | h10 | h6 | | ap | | | | |
| | 4,0 | 4 | 50 | 8 | 2,0 | 2 | 816S D.4 | - |
| | 5,0 | 5 | 50 | 10 | 2,5 | 2 | 816S D.5 | - |
| | 6,0 | 6 | 57 | 10 | 3,0 | 2 | 816S D.6 | 816SW D.6 |
| | 8,0 | 8 | 63 | 16 | 4,0 | 2 | 816S D.8 | 816SW D.8 |
| | 10,0 | 10 | 72 | 19 | 5,0 | 2 | 816S D.10 | 816SW D.10 |
| | 12,0 | 12 | 83 | 22 | 6,0 | 2 | 816S D.12 | 816SW D.12 |
| | 14,0 | 14 | 83 | 22 | 7,0 | 2 | 816S D.14 | 816SW D.14 |
| | 16,0 | 16 | 92 | 26 | 8,0 | 2 | 816S D.16 | 816SW D.16 |
| | 20,0 | 20 | 104 | 32 | 10,0 | 2 | 816S D.20 | 816SW D.20 |



Scansiona il Qr-code per consultare i parametri di lavoro.
 Scan the Qr-code to view the working parameters.
 Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
 Scannez le code Qr pour visualiser les paramètres de fonctionnement.

8215



801S/801SW



879S/879SW

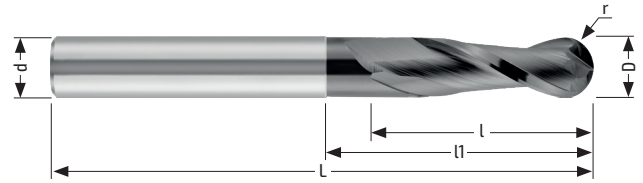


816S/816SW



881S | 881SW

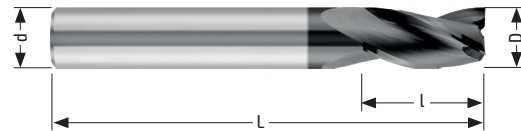
Fresa 2 taglienti serie media semisferica
 2 flute ball nose end mill medium version
 Halbkugelförmiger Schaftfräser zwei Schneiden mittlere Serie
 Fraise hémisphérique à 2 dents, série moyenne



| D h10 | d h6 | L | l ap | l1 | a | r | Z | 881S | 881SW |
|----------|---------|-----|---------|----|------|-----|---|-----------|------------|
| | | | | | | | | 881S | 881SW |
| 4,0 | 4 | 62 | 16 | - | - | 2,0 | 2 | 881S D.4 | - |
| 5,0 | 5 | 62 | 20 | - | - | 2,5 | 2 | 881S D.5 | - |
| 6,0 | 6 | 78 | 20 | 30 | 0,15 | 3,0 | 2 | 881S D.6 | 881SW D.6 |
| 8,0 | 8 | 78 | 25 | 35 | 0,15 | 4,0 | 2 | 881S D.8 | 881SW D.8 |
| 10,0 | 10 | 105 | 28 | 48 | 0,15 | 5,0 | 2 | 881S D.10 | 881SW D.10 |
| 12,0 | 12 | 105 | 32 | 52 | 0,20 | 6,0 | 2 | 881S D.12 | 881SW D.12 |
| 16,0 | 16 | 130 | 40 | 60 | 0,20 | 8,0 | 2 | 881S D.16 | 881SW D.16 |

836S | 836SW

Fresa 3 taglienti serie normale
 3 flute end mill regular version
 Schaftfräser drei Schneiden normale Serie
 Fraise à 3 dents, série normale

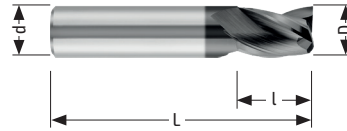


| D h10 | d h6 | L | l ap | Z | 836S | 836SW |
|----------|---------|-----|---------|---|-----------|------------|
| | | | | | 836S | 836SW |
| 2,0 | 4 | 50 | 5 | 3 | 836S D.2 | - |
| 3,0 | 4 | 50 | 7 | 3 | 836S D.3 | - |
| 4,0 | 4 | 50 | 8 | 3 | 836S D.4 | - |
| 5,0 | 5 | 50 | 10 | 3 | 836S D.5 | - |
| 6,0 | 6 | 57 | 10 | 3 | 836S D.6 | 836SW D.6 |
| 7,0 | 7 | 60 | 13 | 3 | 836S D.7 | - |
| 8,0 | 8 | 63 | 16 | 3 | 836S D.8 | 836SW D.8 |
| 9,0 | 9 | 67 | 16 | 3 | 836S D.9 | - |
| 10,0 | 10 | 72 | 19 | 3 | 836S D.10 | 836SW D.10 |
| 11,0 | 11 | 83 | 22 | 3 | 836S D.11 | - |
| 12,0 | 12 | 83 | 22 | 3 | 836S D.12 | 836SW D.12 |
| 13,0 | 13 | 83 | 22 | 3 | 836S D.13 | - |
| 14,0 | 14 | 83 | 22 | 3 | 836S D.14 | 836SW D.14 |
| 15,0 | 15 | 92 | 26 | 3 | 836S D.15 | - |
| 16,0 | 16 | 92 | 26 | 3 | 836S D.16 | 836SW D.16 |
| 18,0 | 18 | 92 | 26 | 3 | 836S D.18 | 836SW D.18 |
| 20,0 | 20 | 104 | 32 | 3 | 836S D.20 | 836SW D.20 |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| P Acciaio Steel Stahl Acier | M Acciaio Inox Stainless Steel Nichtrostend Acier inoxydable | K Ghisa Cast Iron Gusseisen Fonte | N Leghe di Alluminio Aluminium Alloys Aluminiumlegierungen Alliages d'aluminium | S HRSA - Titanio HRSA - Titanium HRSA - Titan HRSA - Titane | H Acciai Temprati Hardened Steels Gehärtete Stähle Aciers trempés | O Non ISO Not ISO Nicht ISO Non - ISO | Raccomandato Recommended Empfohlen Recommandé | Adatto Suitable Geeignet Adapté |
|--|---|--|--|--|--|--|--|--|

826S

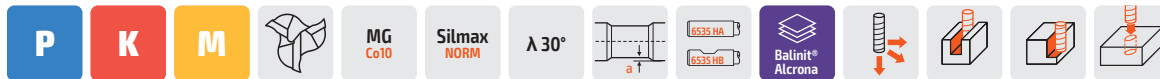
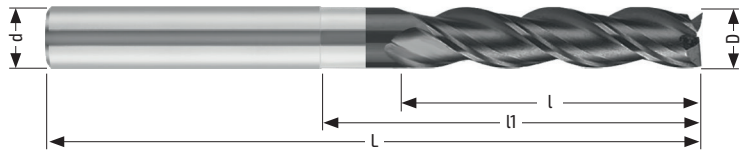
Fresa 3 taglienti serie extra corta
3 flute end mill extra short version
Schaftfräser drei Schneiden extra kurz
Fraise à 3 dents, série extra courte



| 90° | D | d | L | l | Z | 826S |
|-----|------|----|----|----|---|------------|
| | h10 | h6 | | ap | | |
| | 2,0 | 6 | 38 | 4 | 3 | 826S D.2 |
| | 2,5 | 6 | 38 | 4 | 3 | 826S D.2,5 |
| | 3,0 | 6 | 38 | 5 | 3 | 826S D.3 |
| | 3,5 | 6 | 38 | 6 | 3 | 826S D.3,5 |
| | 4,0 | 6 | 38 | 7 | 3 | 826S D.4 |
| | 4,5 | 6 | 38 | 8 | 3 | 826S D.4,5 |
| | 5,0 | 6 | 38 | 8 | 3 | 826S D.5 |
| | 6,0 | 6 | 38 | 8 | 3 | 826S D.6 |
| | 7,0 | 8 | 43 | 11 | 3 | 826S D.7 |
| | 8,0 | 8 | 43 | 11 | 3 | 826S D.8 |
| | 9,0 | 10 | 50 | 13 | 3 | 826S D.9 |
| | 10,0 | 10 | 50 | 13 | 3 | 826S D.10 |
| | 12,0 | 12 | 63 | 14 | 3 | 826S D.12 |

876S | 876SW

Fresa 3 taglienti serie lunga
3 flute end mill long version
Schaftfräser drei Schneiden lange Ausführung
Fraise à 3 dents, série longue



| 90° | D | d | L | l | l1 | a | Z | 876S | 876SW |
|-----|------|----|-----|----|----|------|---|-----------|-------------|
| | h10 | h6 | | ap | | | | | |
| | 4,0 | 4 | 62 | 16 | - | - | 3 | 876S D.4 | - |
| | 5,0 | 5 | 62 | 20 | - | - | 3 | 876S D.5 | - |
| | 6,0 | 6 | 78 | 20 | 30 | 0,15 | 3 | 876S D.6 | 876SW D. 6 |
| | 8,0 | 8 | 78 | 25 | 35 | 0,15 | 3 | 876S D.8 | 876SW D. 8 |
| | 10,0 | 10 | 105 | 28 | 48 | 0,15 | 3 | 876S D.10 | 876SW D. 10 |
| | 12,0 | 12 | 105 | 32 | 52 | 0,20 | 3 | 876S D.12 | 876SW D. 12 |
| | 16,0 | 16 | 130 | 40 | 60 | 0,20 | 3 | 876S D.16 | 876SW D. 16 |



Scansiona il Qr-code per consultare i parametri di lavoro.
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Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

881S/881SW



836S/836SW



826S

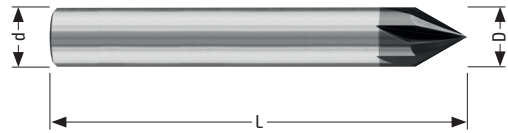


876S/876SW



841S | 841SW

Fresa per smussi 60°
End mill for chamfer 60°
60° Fas- und Entgratfräser
Fraise à chanfrein 60°

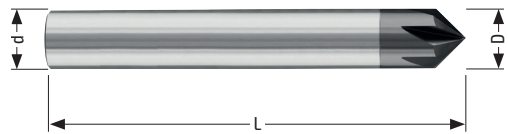


| 60° | D | d | L | Z | 841S | 841SW |
|-----|-------|----|-----|---|----------|------------|
| | h6 | h6 | | | | |
| | 3,0 | 4 | 50 | 4 | 841S D.3 | - |
| | 4,0 | 4 | 50 | 4 | 841S D.4 | - |
| | 6,0 | 6 | 57 | 6 | - | 841SW D.6 |
| | 8,0 | 8 | 63 | 6 | - | 841SW D.8 |
| | 10,0 | 10 | 72 | 6 | - | 841SW D.10 |
| | 12,0 | 12 | 83 | 6 | - | 841SW D.12 |
| | 16,0* | 16 | 92 | 6 | - | 841SW D.16 |
| | 20,0* | 20 | 104 | 6 | - | 841SW D.20 |

(* Diametri mm 16,00 e 20,00 solo a richiesta / Diameters mm 16,00 and 20,00 only upon request
Durchmesser 16mm und 20mm nur auf Anfrage / Diamètres mm 16.00 et 20.00 uniquement sur demande.

842S | 842SW

Fresa per smussi 90°
End mill for chamfer 90°
90° Fas- und Entgratfräser
Fraise à chanfrein 90°



| 90° | D | d | L | Z | 842S | 842SW |
|-----|-------|----|-----|---|----------|------------|
| | h6 | h6 | | | | |
| | 3,0 | 4 | 50 | 4 | 842S D.3 | - |
| | 4,0 | 4 | 50 | 4 | 842S D.4 | - |
| | 6,0 | 6 | 57 | 6 | - | 842SW D.6 |
| | 8,0 | 8 | 63 | 6 | - | 842SW D.8 |
| | 10,0 | 10 | 72 | 6 | - | 842SW D.10 |
| | 12,0 | 12 | 83 | 6 | - | 842SW D.12 |
| | 16,0* | 16 | 92 | 6 | - | 842SW D.16 |
| | 20,0* | 20 | 104 | 6 | - | 842SW D.20 |

(* Diametri mm 16,00 e 20,00 solo a richiesta / Diameters mm 16,00 and 20,00 only upon request
Durchmesser 16mm und 20mm nur auf Anfrage / Diamètres mm 16.00 et 20.00 uniquement sur demande.



Acciaio
Steel
Stahl
Acier



Acciaio Inox
Stainless Steel
Nichtrostend
Acier inoxydable



Ghisa
Cast Iron
Gusseisen
Fonte



Leghe di Alluminio
Aluminium Alloys
Aluminiumlegierungen
Alliages d'aluminium



HRSA - Titanio
HRSA - Titanium
HRSA - Titan
HRSA - Titane



Acciai Temprati
Hardened Steels
Gehärtete Stähle
Aciers trempés



Non ISO
Not ISO
Nicht ISO
Non - ISO



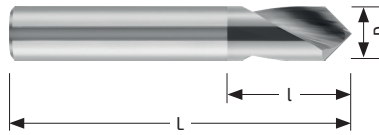
Raccomandato
Recommended
Empfohlen
Recommandé



Adatto
Suitable
Geeignet
Adapté

843S

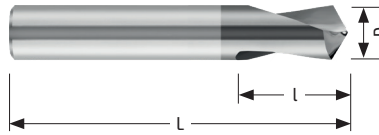
Punta a centrare
Center drill
Zentrierbohrer
Foret à centrer



| 90° | D h6 | L | l ap | Z | 843S |
|-----|---------|-----|---------|----|-----------|
| | | 3,0 | 45 | 10 | 2 |
| | 4,0 | 50 | 12 | 2 | 843S D.4 |
| | 5,0 | 50 | 15 | 2 | 843S D.5 |
| | 6,0 | 50 | 18 | 2 | 843S D.6 |
| | 8,0 | 64 | 23 | 2 | 843S D.8 |
| | 10,0 | 67 | 24 | 2 | 843S D.10 |
| | 12,0 | 74 | 24 | 2 | 843S D.12 |
| | 16,0 | 92 | 32 | 2 | 843S D.16 |

844S

Punta a centrare
Center drill
Zentrierbohrer
Foret à centrer



| 120° | D h6 | L | l ap | Z | 844S |
|------|---------|-----|---------|----|-----------|
| | | 3,0 | 45 | 10 | 2 |
| | 4,0 | 50 | 12 | 2 | 844S D.4 |
| | 5,0 | 50 | 15 | 2 | 844S D.5 |
| | 6,0 | 50 | 18 | 2 | 844S D.6 |
| | 8,0 | 64 | 23 | 2 | 844S D.8 |
| | 10,0 | 67 | 24 | 2 | 844S D.10 |
| | 12,0 | 74 | 24 | 2 | 844S D.12 |



Scansiona il Qr-code per consultare i parametri di lavoro.
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Scannen Sie den QR-Code, um die Schnittwerte anzuzeigen.
Scannez le code Qr pour visualiser les paramètres de fonctionnement.

841S/841SW



842S/842SW



843S



844S



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