



Utensili Standard
e per il Settore Ottico



Da oltre trent'anni sappiamo precisamente quello che vuoi *Since over 30 years we know precisely what you want*

La nostra esperienza nel mercato nazionale e internazionale degli utensili standard e di precisione ci permette di affiancarti nella scelta del prodotto più adatto alle tue esigenze, consigliandoti la materia prima più adatta al progetto.

Grazie anche al nostro continuo investimento in ricerca, sviluppo e ammodernamento dei macchinari, siamo in grado di seguire tutto il processo di lavorazione: dall'idea iniziale al prodotto finito di utensili speciali di precisione destinati ai più svariati usi e settori.

Since over 30 years we know precisely what you want: our experience in the national and international market of special and precision tools allow us to guide you through the choice of the best product for your needs, recommending the most suitable tool for your project.

We follow the entire manufacturing process: from the initial idea to the finished product of special precision tools for the most varied uses and sectors.

Ingegno, tecnologia e precisione al servizio delle Aziende *Intelligence, technology and precision at the service of Companies*

Siamo nati nell'industria di produzione di utensili per l'occhialeria, ma con il tempo ci siamo specializzati anche in altri settori, come il dentale, la meccanica di precisione, l'automotive e l'aerospaziale.

Ecco perché siamo attrezzati di qualsiasi tipo di macchinario, per essere estremamente flessibili e rispondere in maniera agile e veloce a esigenze diverse, sia in termini di dimensioni e tolleranze dell'utensile sia come lotti di produzione.

L'alta qualità, il dialogo con il cliente per capire esattamente quali sono i suoi bisogni e il rispetto dei tempi di consegna sono i nostri punti di forza.

We were born in the eyewear manufacturing tool industry, but over time we have also specialized in other sectors, such as dental, precision mechanics, automotive and aerospace.

That's why we are equipped with any type of machinery, to be extremely flexible and to respond quickly and easily to different needs, both in terms of dimensions and tool tolerances and as production lots.

High quality, dialogue with the customer to understand exactly what are his needs and respect for delivery times are our strengths.

“Se volete avere successo nel mondo,
unite precisione e intuizione.”

“If you want to succeed in the world,
combine precision and intuition.”

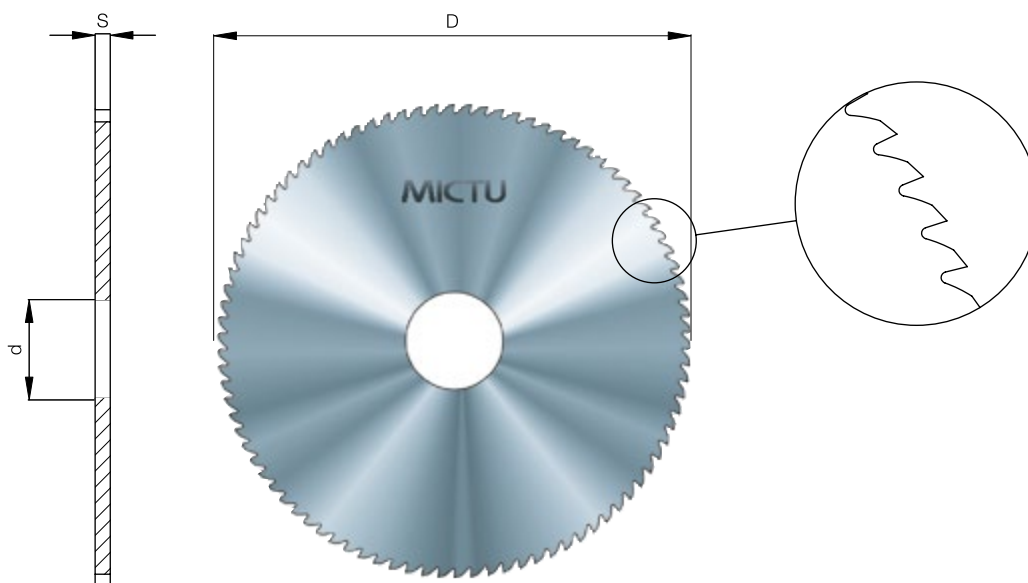
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IMPIEGO Fresatura e taglio su alpacca, monel, acciaio
USE Milling and cutting nickel silver, monel, steel



Sega Circolare a dentatura fine *Circular saw thin tooththing*

In M.D. micrograna con superfici lappate - Rastremazione laterale 0,01-0,05 mm.
 Tungsten Carbide with lapped surfaces - Lateral tapering 0,01-0,05 mm.



D	20	25	30	40	50	63	70	80
d	5	8	8	10	13	16	16	16/22
S (SPESSORE / Thickness)	N° DI DENTI / Number of teeth							
0.20	80	80	100	128	128	160		
0.25	64	80	100	100	128	160	160	
0.30	64	80	80	100	128	128	160	160
0.40	64	64	80	100	100	128	128	160
0.50	48	64	80	80	100	128	128	128
0.60	48	64	64	80	100	100	128	128
0.70	48	48	64	80	80	100	128	128
0.80	48	48	64	80	80	100	100	128
1.0	40	48	64	64	80	100	100	100
1.2	40	48	48	64	80	80	100	100
1.5	40	40	48	64	64	80	80	100
1.8	32	40	48	48	64	80	80	80
2.0	32	40	48	48	64	80	80	80
2.5	32	40	40	48	64	64	80	80
3.0	32	32	40	48	48	64	64	80
4.0	24	32	40	40	48	64	64	64
5.0	24	32	32	40	48	48	48	64
6.0	24	24	32	40	40	48	48	64

ALTRE MISURE

compila il modulo per ricevere un preventivo personalizzato

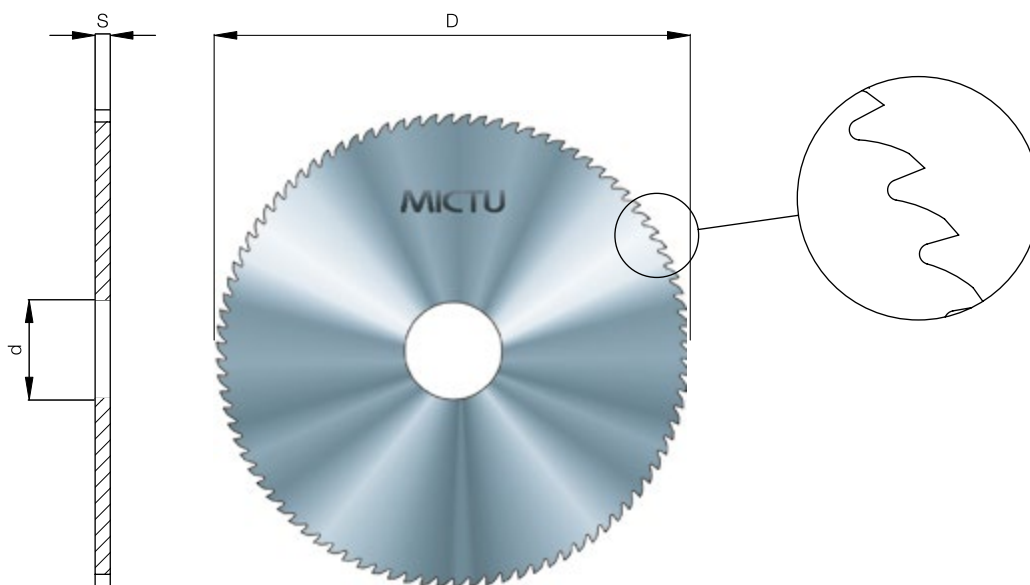
>> SCARICA MODULO

IMPIEGO Fresatura e taglio su alpacca, monel, acciaio
USE Milling and cutting nickel silver, monel, steel



Sega Circolare a dentatura grossa *Circular saw large tooththing*

In M.D. micrograna con superfici lappate - Rastremazione laterale 0,01-0,05 mm.
 Tungsten Carbide with lapped surfaces - Lateral tapering 0,01-0,05 mm.



D	20	25	30	40	50	63	70	80
d	5	8	8	10	13	16	16	16/22
S (SPESSORE / Thickness)	N° DI DENTI / Number of teeth							
0.20	20	20	30	40				
0.25	20	20	30	40				
0.30	20	20	30	40				
0.40	20	20	30	40	48	64		
0.50	20	20	30	40	48	64	64	
0.60	20	20	30	40	48	48	64	64
0.70	20	20	30	40	40	48	48	64
0.80	20	20	24	32	40	48	48	64
1.0	20	20	24	32	40	48	48	48
1.2	20	20	24	32	40	40	48	48
1.5	20	20	24	32	32	40	40	48
1.8	20	20	24	24	32	40	40	40
2.0	20	20	24	24	32	40	40	40
2.5	20	20	24	24	32	32	40	40
3.0	20	20	24	24	24	32	32	40
4.0	20	20	24	20	24	32	32	32
5.0	20	20	24	20	24	24	32	32
6.0	20	20	24	20	20	24	32	32

ALTRE MISURE

compila il modulo per ricevere un preventivo personalizzato

>> SCARICA MODULO

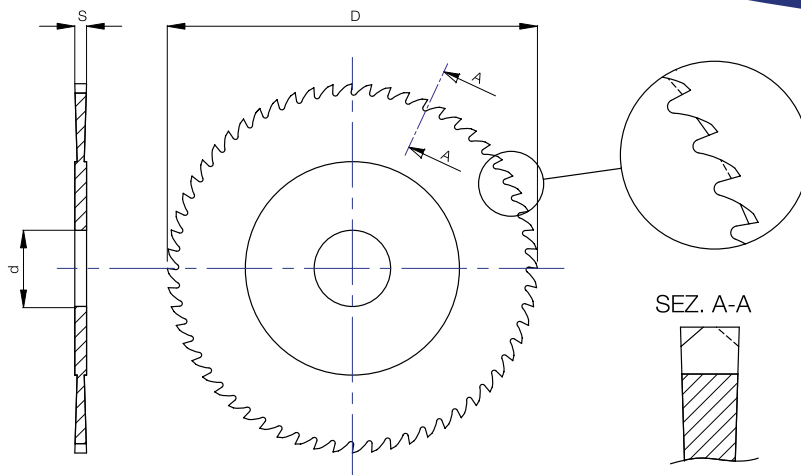
CDALT

Sega Circolare con dentatura alternata

Circular saw with alternated toothing

IMPIEGO Intestatura aste in materiale plastico
con anima

USE Cutting temples in plastic materials
with nail



La dentatura alternata favorisce l'evacuazione del truciolo e riduce gli sforzi di taglio.
Alternating bevel toothing make continuos interruption of chip reducing the shearing stresses.

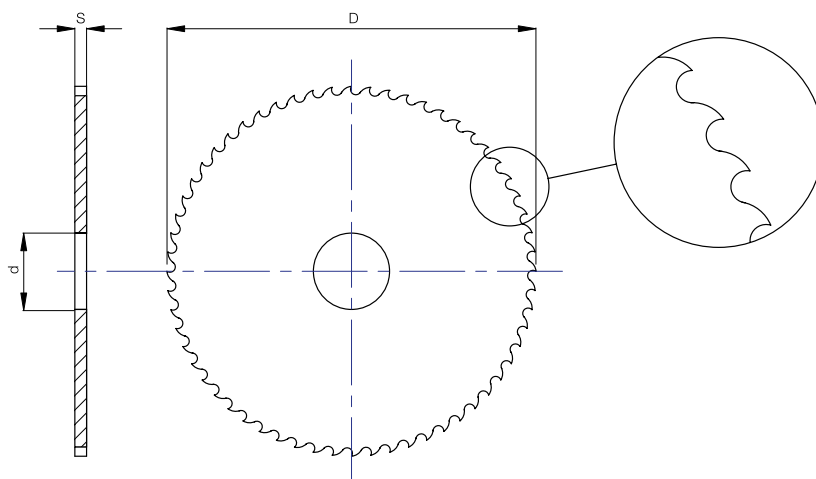
CDT

Sega Circolare con dentatura per Titanio

Circular saw with toothing for titanium

IMPIEGO Fresatura e taglio su titanio

USE Milling and cutting on titanium



d	D	S (SPESSORE / Thickness)	N° DI DENTI / Number of teeth
16	63	0.8	48
16	63	0.8	64
16	63	0.8	80
16	63	0.8	100
13	50	0.8	48
13	50	0.8	64

ALTRE MISURE

compila il modulo per ricevere un preventivo personalizzato

[>> SCARICA MODULO](#)

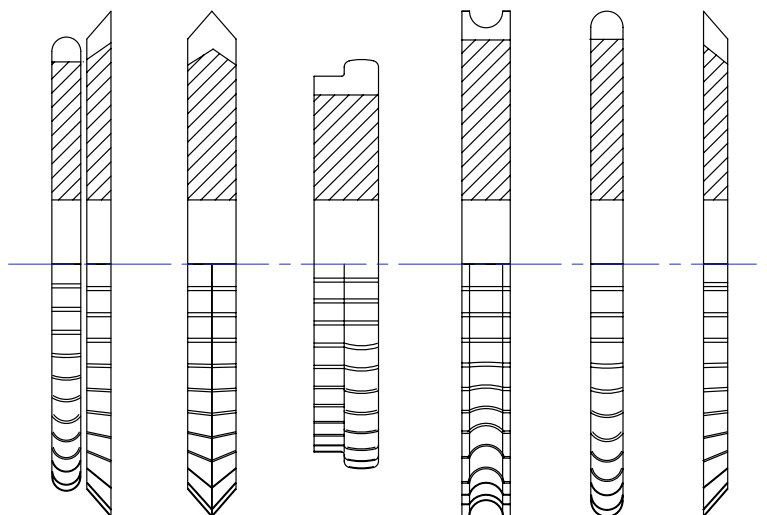
IMPIEGO Fresature profilate
USE Outlined milling



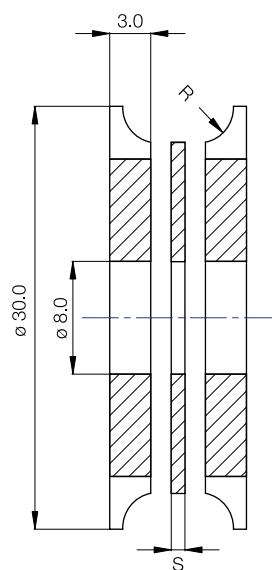
CDP

Frese Circolari Profilate *Circular Saw Outlined*

Misure e profili su vostra richiesta.
Sizes and contours on your request.



Esempi / Example



FRA

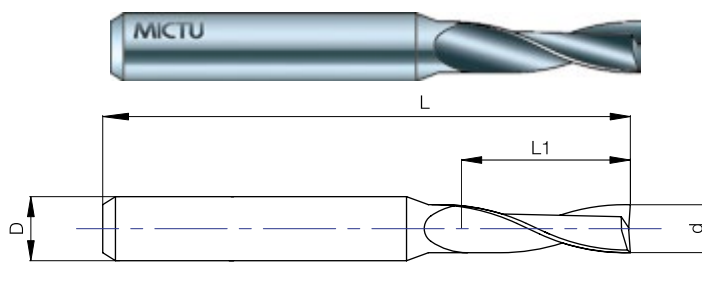
Frese per raggiature aste *Saw for radiating temples*

IMPIEGO Fresature su metallo e materie plastiche
USE Milling on metal and plastic materials



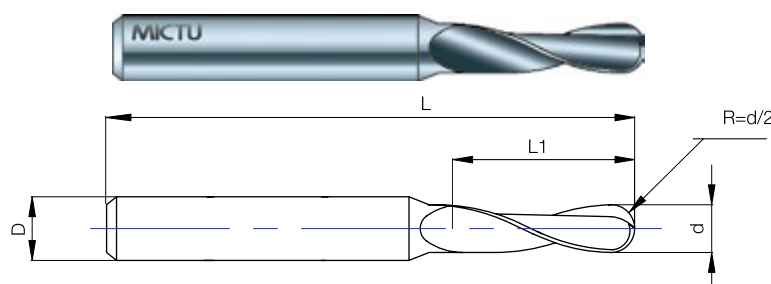
FRE

Fresa Cilindrica Cylindrical Cutter



FRE/S

Fresa Cilindrica Testa Sferica Cylindrical Cutter Spherical Head



d	D	L1	L
0,4	3,0	1,2	34,5
0,5	3,0	1,5	34,5
0,6	3,0	2,2	34,5
0,7	3,0	2,2	34,5
0,8	3,0	3,0	34,5
0,9	3,0	3,0	34,5
1,0	3,0	3,0	34,5
1,1	3,0	3,0	34,5
1,2	3,0	3,5	34,5
1,3	3,0	4,0	34,5
1,4	3,0	4,5	34,5
1,5	3,0	4,5	34,5

d	D	L1	L
1,6	3,0	4,5	34,5
1,8	3,0	5,0	34,5
1,9	3,0	5,0	34,5
2,0	3,0	6,0	34,5
2,2	3,0	6,0	34,5
2,5	3,0	6,0	34,5
3,0	4,0	6,0	34,5
3,5	4,0	6,0	34,5
4,0	6,0	10,0	51,0
5,0	6,0	12,0	51,0
6,0	6,0	16,0	51,0
8,0	8,0	20,0	60,0

ALTRE MISURE

compila il modulo per ricevere un preventivo personalizzato

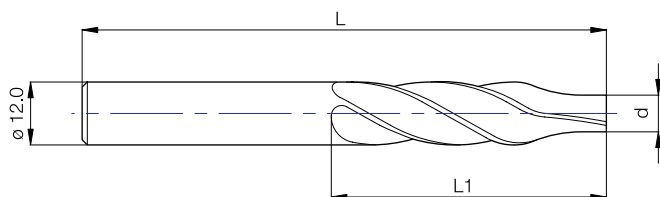
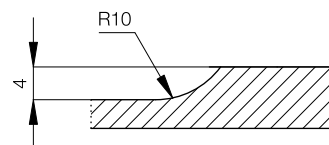
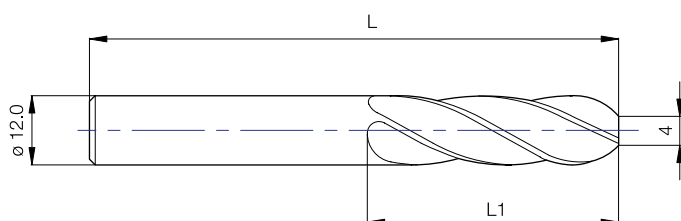
[>> SCARICA MODULO](#)

IMPIEGO Spessoratura e sagomatura alette su montature in acetato
USE For thickening and tongues shaping on acetate frames

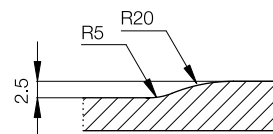


Fresa per sagomatura alette *Cutter for tongues shaping*

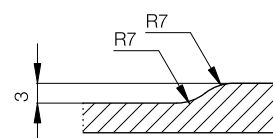
FCS/A



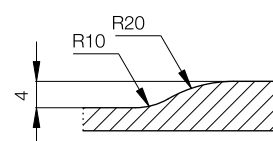
FCS/B



FCS/C



FCS/D



FRESE CONICHE RAGGIATE A 1 TAGLIENTE IN M.D.

One edge conical radiused milling tool in hard metal

IMPIEGO Fresatura di elettrodi in rame o grafite
USE Milling of electrodes in copper or graphite

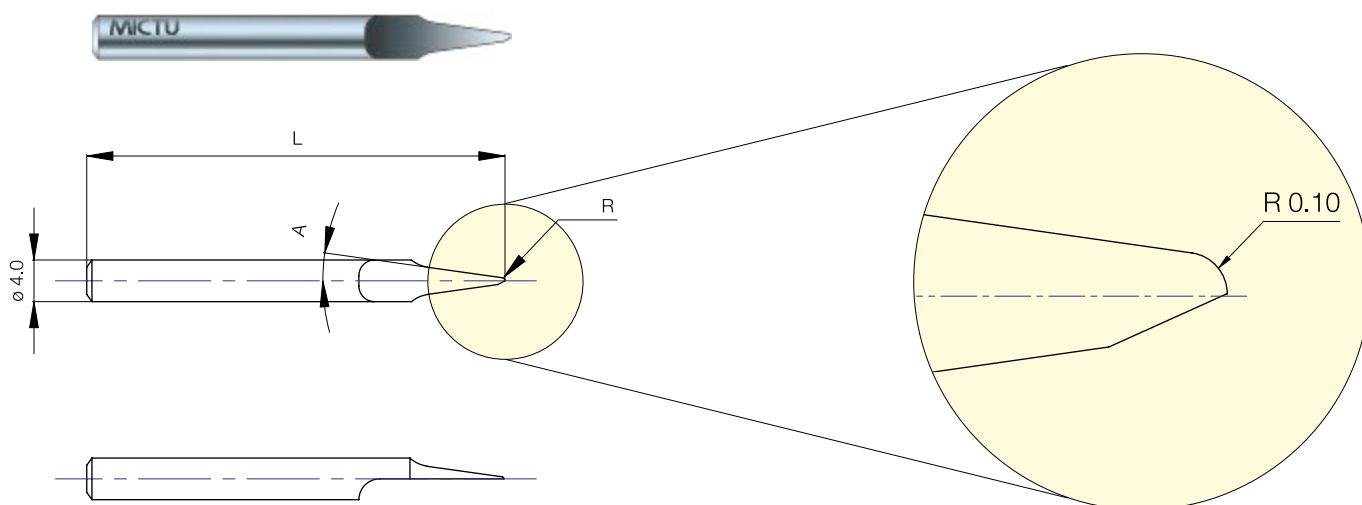


FBU

Fresa conica raggiata a 1 tagliente

One edge conical radiused cutter

Realizzata in M.D. submicrograna ad alta resistenza alla rottura (4.200 N/mm²)
In Tungsten Carbide submicrograin high breaking resistance (4.200 N/mm²)



Particolare fresa conica R 0.10
Particular conical milling tool R 0.10

R	L	A
0.10	39.0	15.0°
0.30	39.0	15.0°
0.40	39.0	15.0°
0.50	39.0	15.0°

ALTRE MISURE

compila il modulo per ricevere un preventivo personalizzato

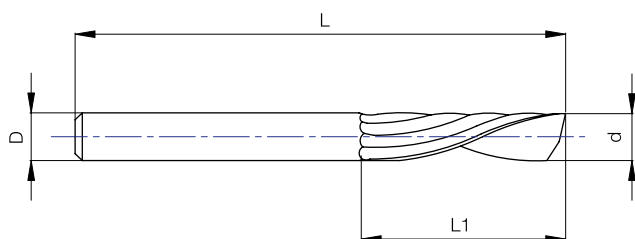
>> SCARICA MODULO

IMPIEGO Fresature su acetato e policarbonato
USE For milling on cellulose acetate and polycarbonate



Fresa monoelicoidale Single flute cutter

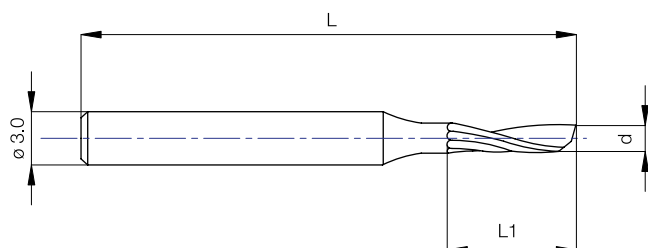
FRM/S **ELICA SINISTRA - ROTAZIONE DESTRA** (Scarico truciolo verso la punta)
LEFT FLUTE - RIGHT ROTATION (Unload of the chips toward the tip)



d	D	L1	L
3.0	6.0	11.0	60.0
4.0	4.0	15.0	50.0
4.0	5.0	18.0	50.0
6.0	6.0	20.0	60.0

Altre dimensioni su richiesta
 Others dimensions on request

FRM **ELICA DESTRA - ROTAZIONE DESTRA**
RIGHT FLUTE - RIGHT ROTATION



d	L
1.0	39.0
1.1	39.0
1.2	39.0
1.3	39.0
1.4	39.0
1.5	39.0
1.6	39.0
1.7	39.0
1.8	39.0
1.9	39.0
2.0	39.0
2.1	39.0
2.5	39.0
3.0	39.0

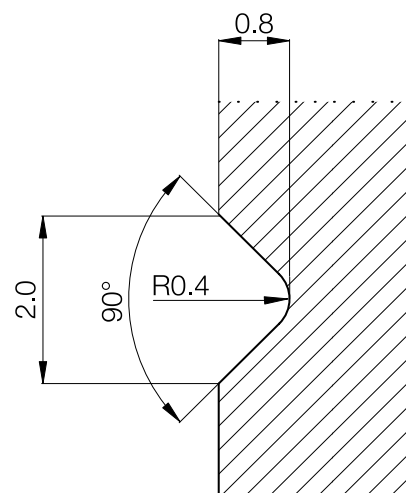
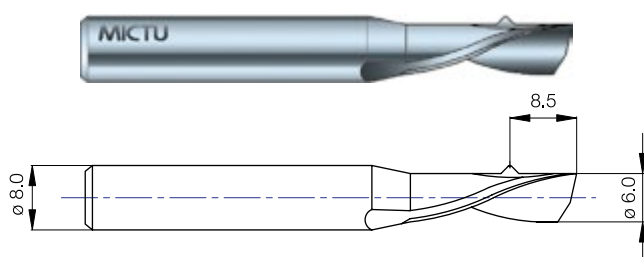
Altre dimensioni su richiesta
 Others dimensions on request

IMPIEGO Fresature interni di montature in acetato su macchine CNC
USE Milling for frames' internal zones acetate on CNC machines



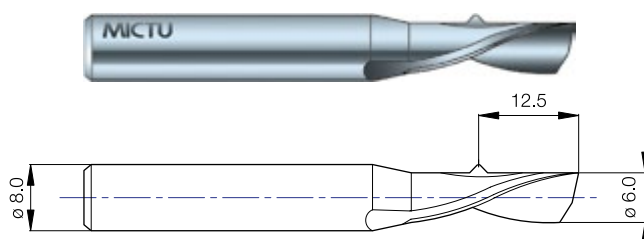
Fresa integrale per interni *Integral cutter for frames' internal zones*

FRI/A



Altre dimensioni su richiesta
Others dimensions on request

FRI/B

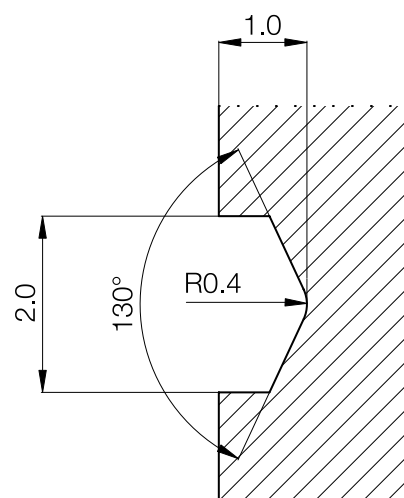
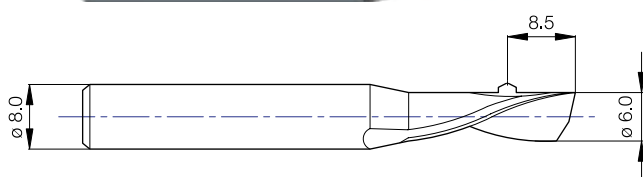


IMPIEGO Fresature interni di montature in acetato su macchine CNC
USE Milling for frames' internal zones acetate on CNC machines



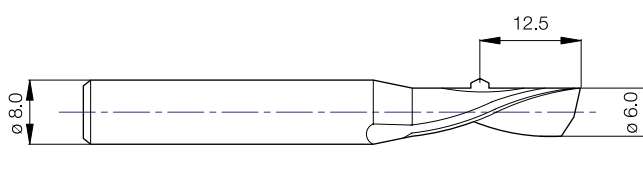
Fresa integrale per interni *Integral cutter for frames' internal zones*

FRI/C



Altre dimensioni su richiesta
Others dimensions on request

FRI/D

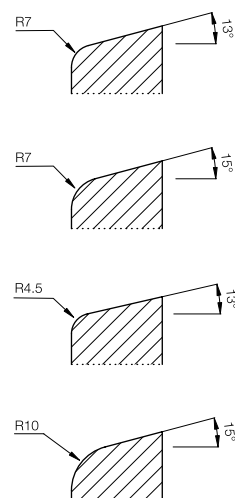
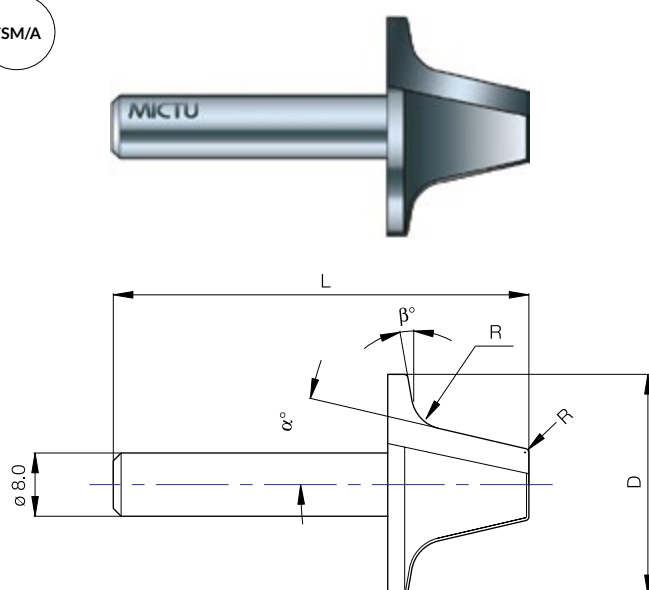


IMPIEGO Fresature musi su montature in acetato e spianature
USE Milling on acetate frames and lowering



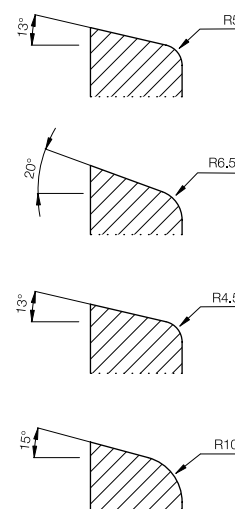
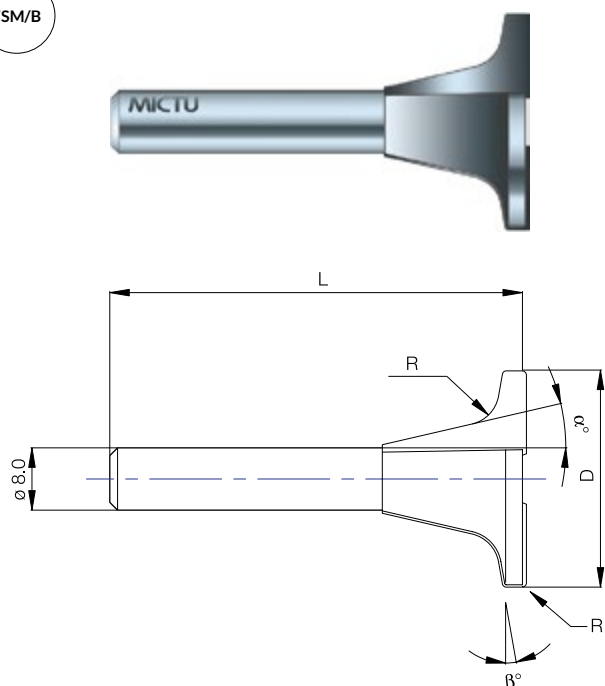
Fresa saldobrasata raggiata *Cutter with Tungsten Carbide brazed plates*

FSM/A



Altre dimensioni su richiesta
 Others dimensions on request

FSM/B

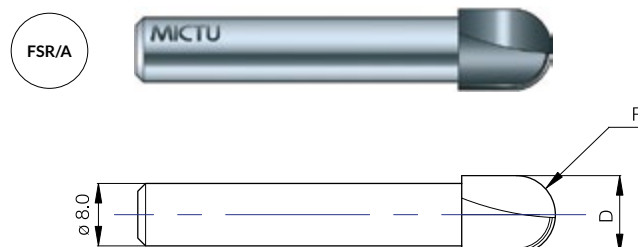


Altre dimensioni su richiesta
 Others dimensions on request

IMPIEGO Spianature su montature in acetato
USE Polished surfacing acetate frames



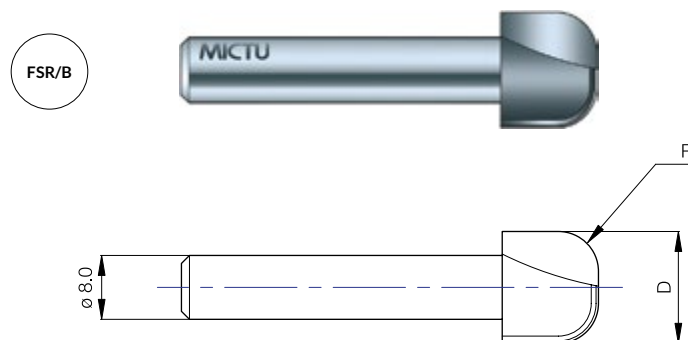
Fresa saldobrasata raggiata
 a due taglienti
*Two edges cutter
 with Tungsten Carbide
 brazed plates*



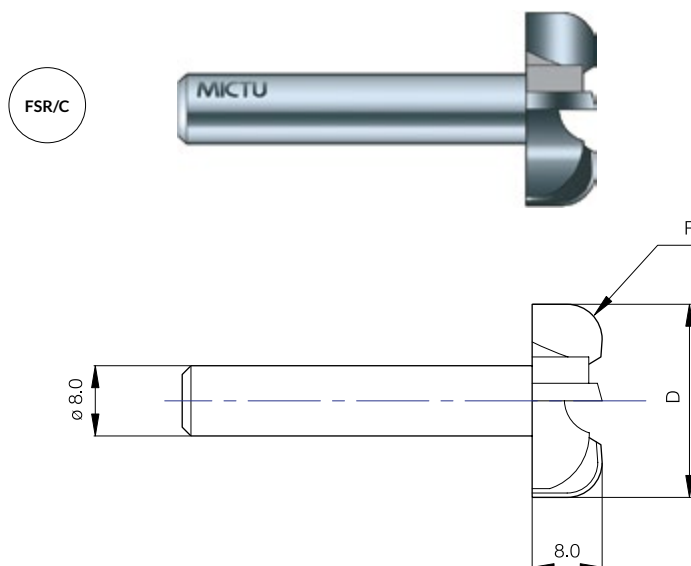
D	R	Z
10.0	1.0	2
10.0	5.0	2
14.0	1.0	2
14.0	3.0	2
14.0	4.0	2
14.0	5.0	2
14.0	7.0	2
22.0	1.0	2
22.0	4.0	2

Z = Numero di denti / Number of teeth

Altre dimensioni su richiesta
 Others dimensions on request



Fresa saldobrasata raggiata
 a quattro taglienti
*Four edges cutter
 with Tungsten Carbide
 brazed plates*

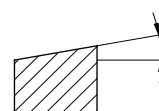
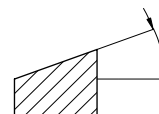
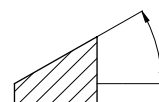
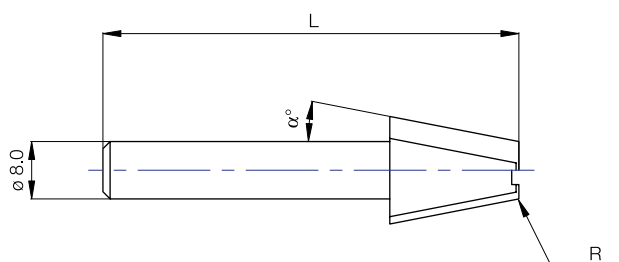


IMPIEGO Fresature angolate su montature in acetato
USE Inclined milling on acetate frames



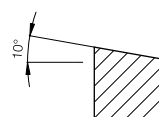
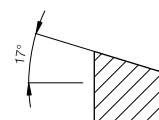
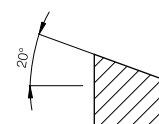
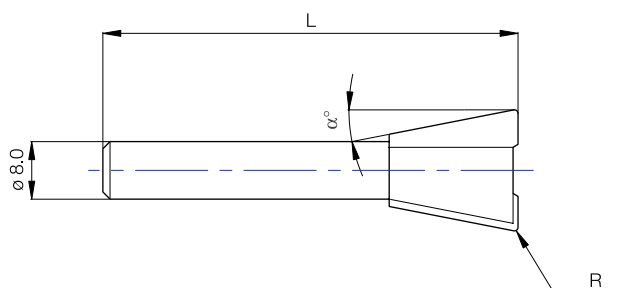
Fresa saldobrasata conica a due taglienti *Two edges conical cutter with Tungsten Carbide brazed plates*

FSC/A



Altre dimensioni su richiesta
 Others dimensions on request

FSC/B

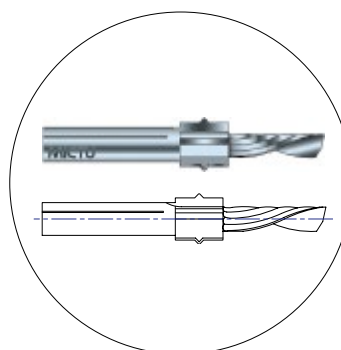
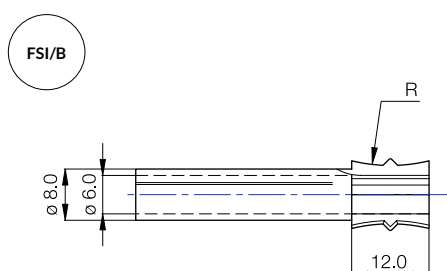
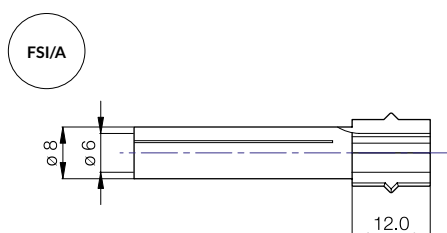


Altre dimensioni su richiesta
 Others dimensions on request

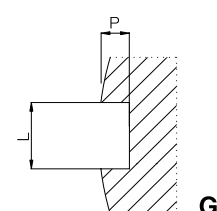
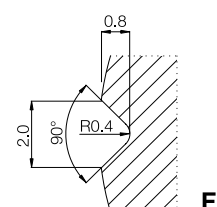
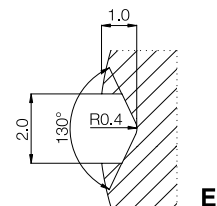
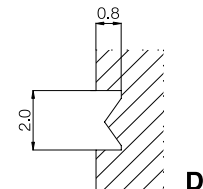
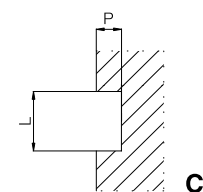
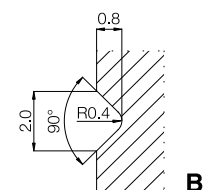
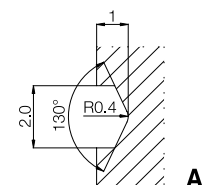
IMPIEGO Fresatura interni di montature in acetato
USE Milling for frames' internal zones acetate



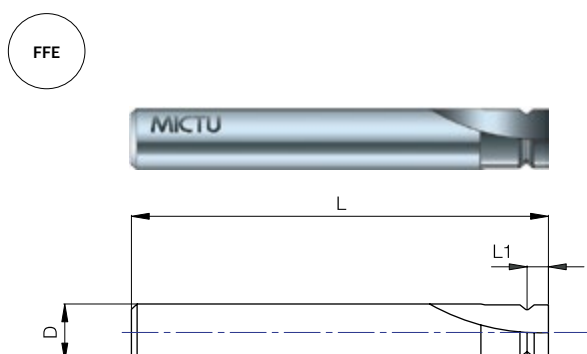
Fresa saldobrasata per interni *Cutter for frames' internal zones*



Esempio di applicazione
 Example of application



Fresa per sagome ad espansione *Cutter for template working by expansion fixing*



Altre dimensioni su richiesta
 Others dimensions on request

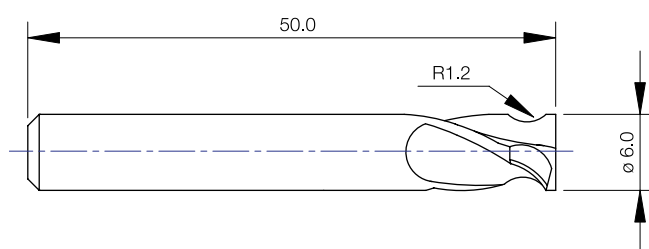
FRESE IN M.D. PER SAGOMATURA FRONTALI IN LAMIERA *Tungsten Carbide cutters for sheet frontals*

IMPIEGO Lavorazione frontali in lamiera
USE Frontals production

MICTU

001-106

Fresa per sagomature esterni *Cutter for external shaping*

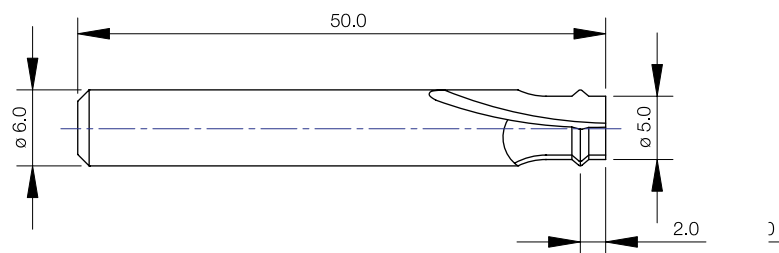


Fresatura esterna dal pieno
External milling with only one passage



001-105

Fresa per sagomature interni *Cutter for internal shaping*



Finitura interno
Finishing internal zone

FRESE IN M.D. PER SAGOMATURA E FORATURA LENTI

Cutters for shaping and drilling lenses

IMPIEGO Lavorazione lenti senza cambio utensile
USE Lenses production without tool change

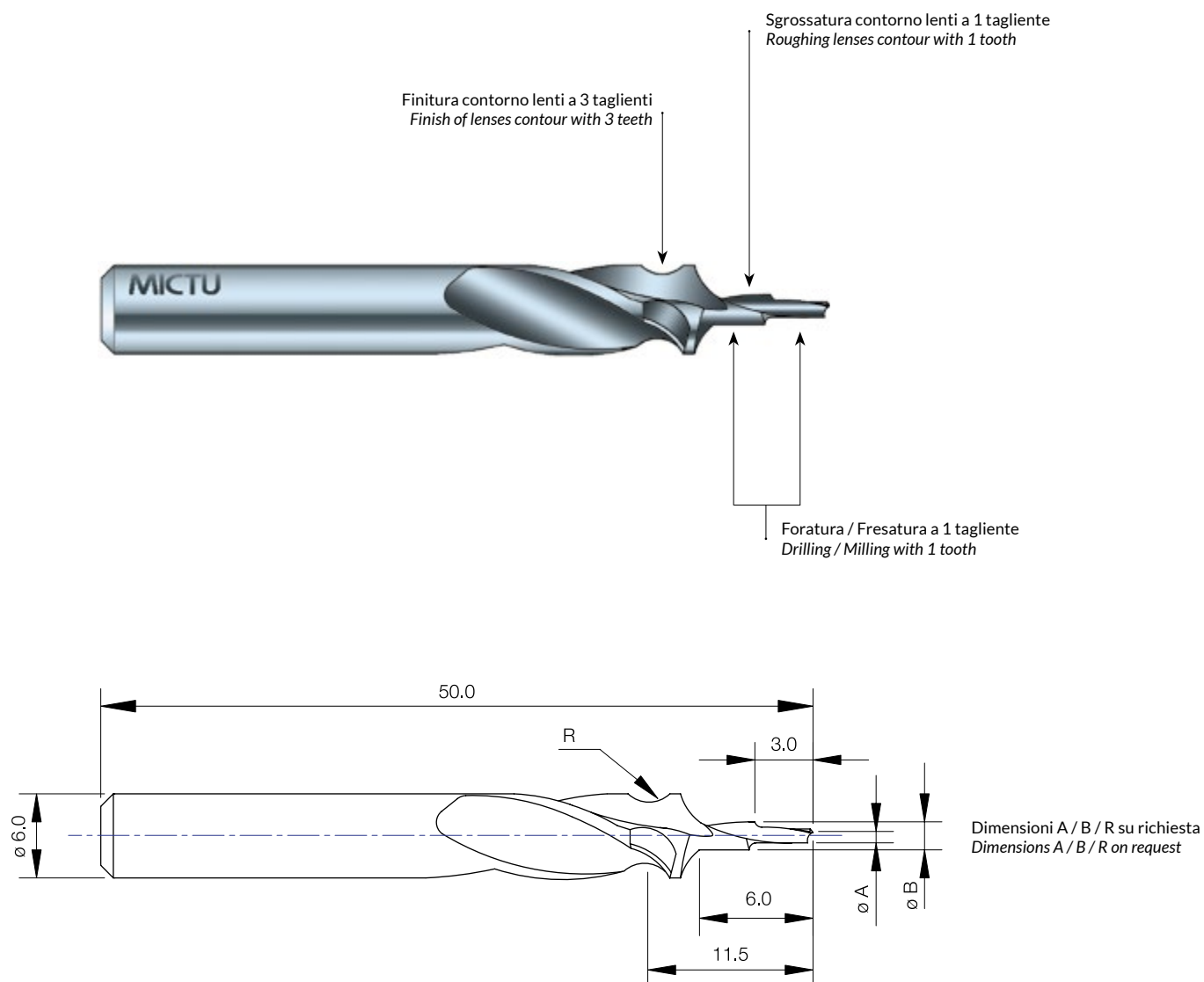


Fresa in M.D. per sagomatura e foratura lenti

Cutter for shaping and drilling lenses

FCL - 001

VERSIONE CON 2 DIAMETRI
VERSION WITH 2 DIAMETERS



DIMENSIONI SU RICHIESTA compila il modulo per ricevere un preventivo personalizzato

>> SCARICA MODULO

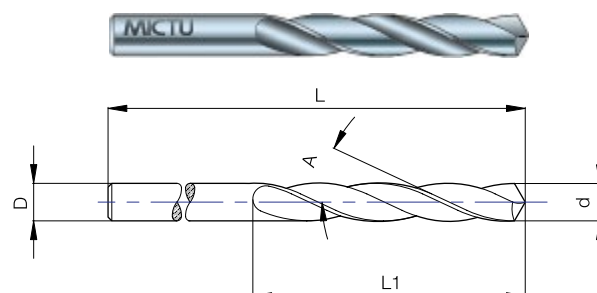
IMPIEGO Foratura su minuterie metalliche
USE Drilling small metal parts



PUE

Punta elicoidale cilindrica *Cylindrical helical drill*

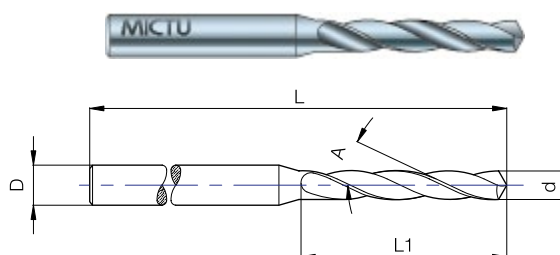
Dimensioni su richiesta
Dimensions on request



PUR

Punta elicoidale rinforzata *Reinforced helical drill*

Dimensioni su richiesta
Dimensions on request

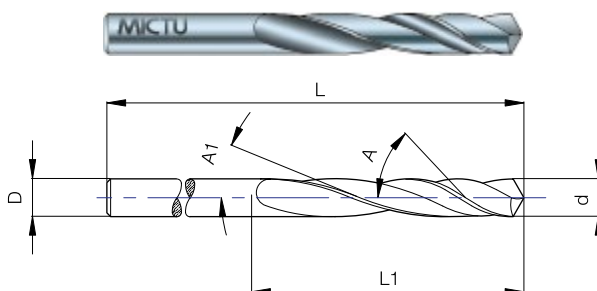
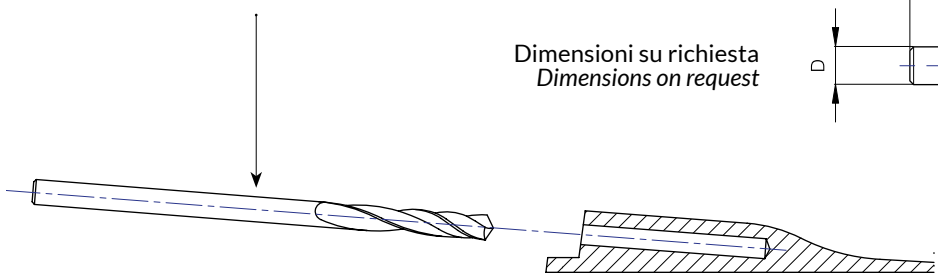


PDP

Punta elicoidale doppio passo *Variable pitch helical drill*

Indicata per forature profonde senza cicli di scarico
Suggested for deep drilling in one step

Dimensioni su richiesta
Dimensions on request



DIMENSIONI SU RICHIESTA compila il modulo per ricevere un preventivo personalizzato

>> SCARICA MODULO

Punte a gradino in M.D. *Step drills in Tungsten Carbide*

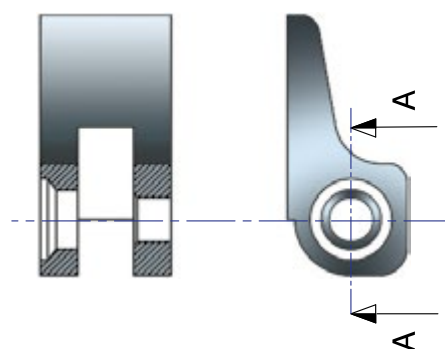
Punte in M.D. submicrograna ad alta resistenza alla rottura (4.200 N/mm²)
Step drills in Tungsten Carbide submicrograin high breaking resistance (4.200 N/mm²)

PG1 **1 GRADINO**
1 STEP

PG2 **2 GRADINI**
2 STEPS

PG3 **3 GRADINI**
3 STEPS

Esempio di applicazione
Example of application



Dimensioni su richiesta
Dimensions on request

FRESE INTEGRALI PER MUSI E CANALINI

Integral cutters for juts on metal frame with guide on grove

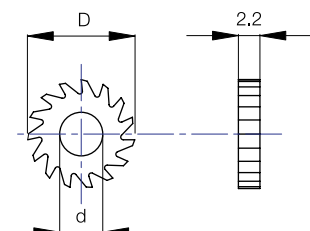
IMPIEGO Fresatura di musì e canalini su montature in metallo
USE For milling juts on metal frames with guide on grove

MICTU

MU

Fresa per musì

Cutter for juts



d	D	Z
4.0	8.0	12
5.0	12.0	15
5.0	12.5	15
5.0	15.0	20
5.0	10.0	20
5.0	12.5	24
5.0	15.0	32

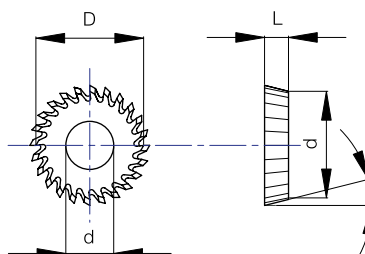
Z = Numero di denti / Number of teeth

Altre dimensioni su richiesta
 Others dimensions on request

MUI

Fresa per musì inclinata

Cutter for inclined juts

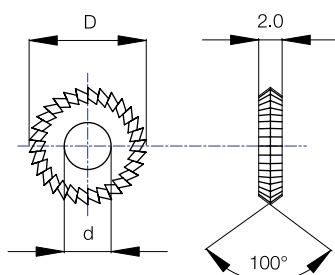


Dimensioni su richiesta
 Dimensions on request

CA

Fresa per musì

Cutter for juts



d	D	Z
4.0	8.0	20
5.0	10.0	24
5.0	12.5	30
5.0	15.0	36

Z = Numero di denti / Number of teeth

Altre dimensioni su richiesta
 Others dimensions on request

ATTREZZATURA PER FRESATURA MUSI E CANALINI

Tooling for milling juts and guide on grove

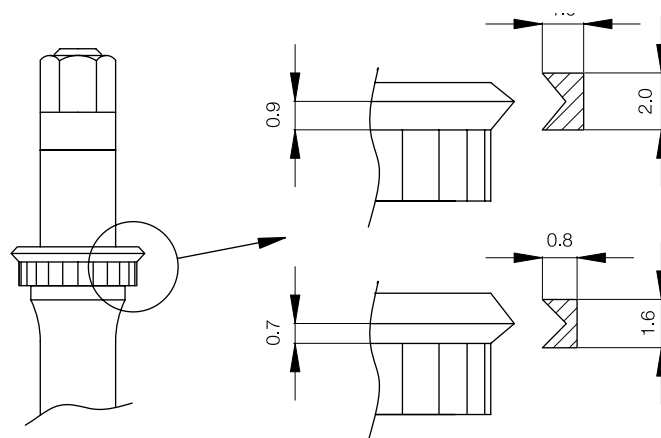
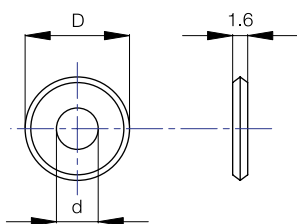
IMPIEGO Fresatura muso e canalini
USE Milling just and guide on grove

MICTU

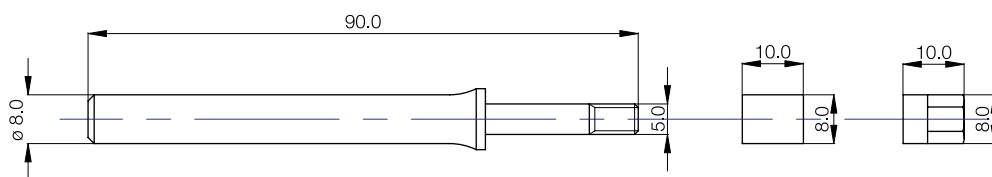
FGU

Guide per fresatura

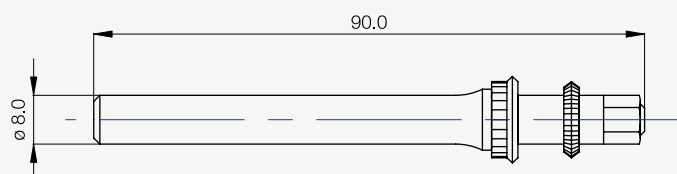
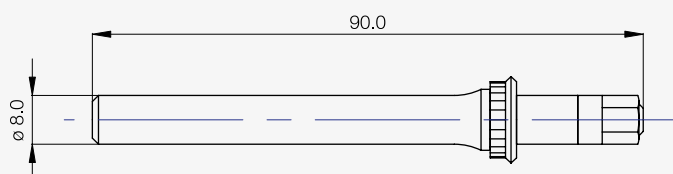
Guides for milling



ALBERINO / VERTICAL SHAFT



Esempio di applicazione
Example of application



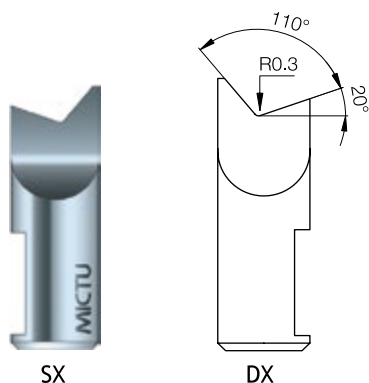
IMPIEGO Taglio di lenti
USE Cutting lenses

MICTU

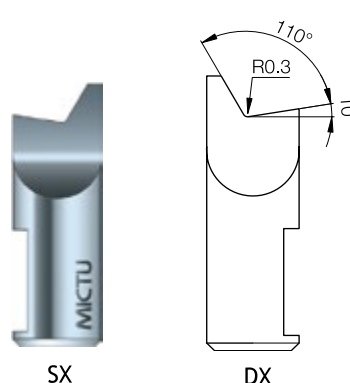
Per lenti base 6
For lenses with a 6 base

Per lenti base 8
For lenses with a 8 base

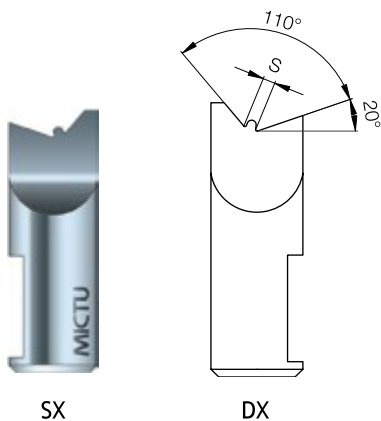
FRL/A



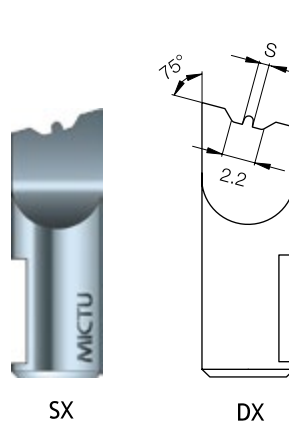
FRL/B



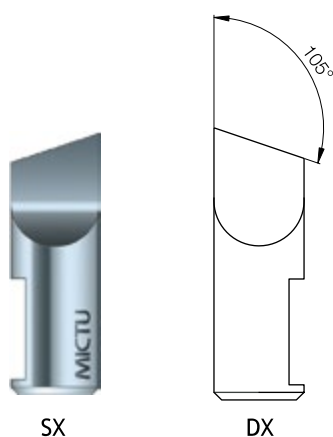
FRL/C



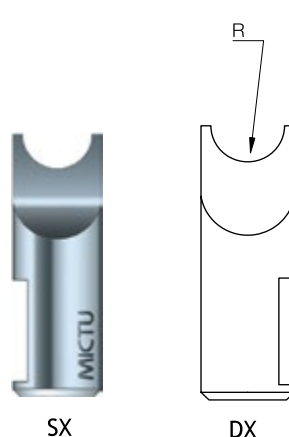
FRL/D



FRL/E



FRL/F





MICTU srl

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