



DELMECO

L'EXPERT DES OUTILS DE COUPE EN MÉTAL DUR SUR MESURE
DER EXPERTE FÜR HARTMETALL-SCHNEIDWERKZEUGE NACH MASS
SPECIALISTS FOR CUSTOMISED TUNGSTEN CARBIDE CUTTING TOOLS

DELMECO SA est une PME suisse implantée à Court, dans l'arc jurassien, une région mondialement reconnue pour son savoir-faire microtechnique. Fondée en 1985 par Denis Loetscher, l'entreprise familiale s'est développée régulièrement au fil des années.

Outils coupants sur mesure

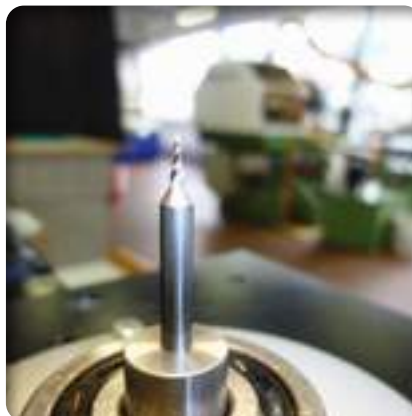


Aujourd'hui, forte de plus de 30 ans d'expérience, DELMECO SA est devenue une référence dans la fabrication, sur mesure, d'outils de coupe en métal dur (carbure de tungstène).

Son programme de vente est, pour l'essentiel, basé sur la production d'outils coupants de petites dimensions et de haute précision. Lors de l'étude et de la fabrication, tout est mis en oeuvre afin d'optimiser l'efficacité de ses produits qui sont issus d'un équipement moderne, manufacturés par un personnel hautement qualifié.

Par sa rigueur et par un service rapide et soigné, DELMECO SA a acquis la confiance de nombreuses entreprises de renom, situées en Suisse mais aussi en Europe, aux États-Unis et en Asie. Ses clients sont actifs dans la production de composants horlogers ainsi que dans les domaines de la micro-mécanique, de l'électronique, de l'automobile et du médical.

La gamme des outils de DELMECO SA est en constante évolution afin de répondre aux critères toujours plus exigeants des utilisateurs. Les outils destinés à usiner des matériaux comme le titane et d'autres alliages très difficiles à travailler sont développés avec succès, repoussant toujours plus les limites de faisabilité.



DELMECO

L'EXPERT DES OUTILS DE COUPE EN MÉTAL DUR SUR MESURE

Schneid- werkzeugen nach Mass



DELMECO SA ist ein Schweizer KMU welches in Court angesiedelt ist, in einer Region, im Jura Gebirge, welche weltweit für sein Know-How in der Mikrotechnik anerkannt ist. Im Jahre 1985 von Denis Loetscher gegründet, ist das Familienunternehmen über die Jahre stetig gewachsen. Heute, mit mehr als 30 Jahren Erfahrung ist DELMECO SA zu einem Referenzunternehmen in der Herstellung von Schneidwerkzeugen nach Mass, aus Hartmetall geworden.

Das Verkaufsprogramm ist im Wesentlichen auf die Herstellung von Werkzeugen mit kleinen Abmessungen und hoher Präzision gegründet. Während der Entwicklung und der Herstellung wird alles daran gesetzt die Effizienz der Produkte zu optimieren. Die Schneidwerkzeuge werden auf modernen Maschinen von hoch qualifiziertem Personal hergestellt.

Dank der hohen Qualität und dem schnellen Service, hat DELMECO SA das Vertrauen vieler renommierten Unternehmen in der Schweiz, aber auch in Europa, in den Vereinigten Staaten und in Asien gewonnen. Seine Kunden sind in der Herstellung von Uhrenkomponenten, sowie in den Bereichen der Mikromechanik, Elektronik, Automobil- und Medizinaltechnik tätig.

Das Produktsortiment von DELMECO SA wird ständig weiterentwickelt, um den immer anspruchsvolleren Kundenwünschen nach zu kommen. Werkzeuge welche für schwierig zu verarbeitende Werkstoffen, wie Titan und andere Legierungen, verwendet werden, werden erfolgreich entwickelt und verschieben immer wieder die Grenzen der Machbarkeit.





DELMECO SA is a Swiss SME based in Court in the Jura Mountains, a region recognized worldwide for its know-how in microtechnology. Founded in 1985 by Denis Loetscher, the family business has grown steadily over the years. Today, backed by more than 30 years of experience, DELMECO SA has become a reference in the custom manufacturing of cutting tools made of tungsten carbide.

Its sales program is essentially based on the production of cutting tools with small dimensions and high precision. During the study and manufacturing, everything is implemented to optimize the effectiveness of its products which are the results of modern equipment, manufactured by highly qualified personnel.

Custom manufactured cutting tools

Thanks to its rigor and a quick and careful service, DELMECO SA has gained the trust of many renowned companies located in Switzerland but also in Europe, in the United States and in Asia. Its customers are active in the production of watch components and in the micromechanics, electronics, automotive and medical fields.

The range of tools produced by DELMECO SA is steadily evolving to meet the increasingly demanding expectations of the users. The tools used to machine materials like titanium and other alloys very difficult to work with are successfully developed, pushing always a little bit further the limits of feasibility.

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Type 330 -1	Mèches hélicoïdales 3 lèbres à angle
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Flat drills stepped
Flat drills with radius
Flat form drills

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Stufenkanonenbohrer
Kanonenbohrer mit Radius
Formkanonenbohrer

1/2 round centring tools
Form 1/2 round centring tools
1/2 round drills
1/2 round drills with angle
1/2 round drills stepped
1/2 round drills with radius
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Zentrier-Spiralbohrer **STANDARD AUF LAGER**
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Spiralbohrer (Zylindrisch)
Winkelspiralbohrer
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Twist centring tools **STANDARD ON STOCK**
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Twist drills (enlarged shank) **STANDARD ON STOCK**
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Twist drills with angle
Twist drills stepped
Twist drills with radius
Twist form drills

Spiral-Kanonenbohrer (Verstärkerschaft)
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Single fluted drills (enlarged shank)
Single fluted drills (straight shank)
Single fluted drills with angle
Single fluted drills stepped
Single fluted form drills

Dreilippenbohrer (Verstärkerschaft)
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Dreilippenbohrer mit Winkel
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3 fluted drills (enlarged shank)
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(enlarged shank)
Round shaped twist drills
(straight shank)

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5 | Mèches 3/4 3/4 Bohrer 3/4 drills



Type 500	Mèches 3/4
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6 | Fraises Fräser End mills



Type 600	Fraises à graver
Type 610 Zx	Fraises en bout à denture droite
Type 615 Zx	Fraises en bout à denture droite de forme
Type 620	Fraises demi-lune
Type 625	Fraises demi-lune de forme
Type 630 Zx	Fraises en bout hélicoïdales
Type 635 Zx	Fraises en bout hélicoïdales de forme
Type 640	Fraises à fendre
Type 650	Fraises en T
Type 660	Fraises à angler STANDARD EN STOCK
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Type 681	Alésoirs à rainures droites
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7 | Burins Drehwerkzeuge Turning tools



Type 710	Burins extérieurs
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Eureka-Bohrer mit Winkel
Stufeneureka-Bohrer
Form Eureka-Bohrer

Eureka drills
Eureka drills with angle
Eureka drills stepped
Eureka form drills

3/4 Bohrer
3/4 Bohrer mit Winkel
Stufen 3/4 Bohrer
Form 3/4 Bohrer

3/4 drills
3/4 drills with angle
3/4 drills stepped
3/4 form drills

Gravier Fräser
Geradegenutet Schaftfräser
Formgerade Schaftfräser
Einzahn Fräser
Einzahn Formfräser
Spiralgenutet Schaftfräser
Formspiralgenutet Schaftfräser
Kreissägen
T-Fräser
Kegelsenker **STANDARD AUF LAGER**
Polygonfräser
Gewindewirbler
Geradegenutet Reibahlen
Spiralgenutet Reibahlen
Spezial Fräser

Engrave milling cutters
Straight fluted end mills
Straight fluted form end mills
Singletooth milling cutters
Singletooth form milling cutters
Spiral fluted end mills
Spiral fluted form end mills
Slitting saw
T form end mills
Chamfering tools **STANDARD ON STOCK**
Polygon tools
Whirling tools
Straight fluted reamers
Spiral fluted reamers
Special end mills

Aussendrehwerkzeuge
Innendrehwerkzeuge

Outside turning tools
Inside turning tools

Vier Kant Zapfenlehren
Zapfenlehren

Square gauges
Precision plug gauges

Stanzwerkzeuge
Messtaster für Mikrometer
Lochstempel

Stamping dies tools
Micrometre tasters
Dies cutting tools

Sur demande

Nous vous offrons les spécialités suivantes :

- Outils de forme (profilés) selon vos fichiers CAD
- Fraises hélicoïdales à hélices variables
- Forets hélicoïdaux à goujures dégressives
- Fraises de taillage dent par dent
- Forets hélicoïdaux à trous de lubrification
- Marquage laser
- Revêtement
- Protocole de contrôle

Auf Anfrage

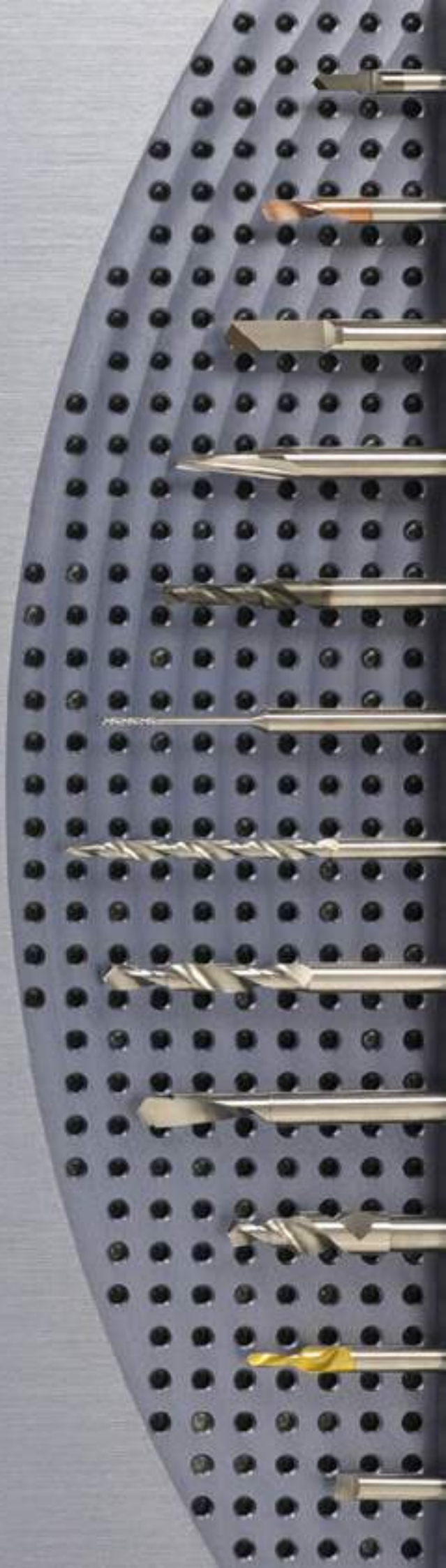
Bieten wir folgende Spezialitäten an:

- Formwerkzeug (profiliert) nach Ihren CAD Datei
- Fräser mit variablem Spiralwinkel
- Spiralbohrer mit degressive Spannute
- Verzahnungsfräser Zahn nach Zahn
- Spiralbohrer mit Innenkühlung
- Lasermarkierung
- Beschichtung
- Prüfprotokoll

On request

We offer the following specialties:

- Form tools (profil) according to your CAD files
- End mills with variable helix
- Twist drills with degressive flutes
- Tooth by tooth gear cutters
- Twist drills with trough coolant
- Laser marking
- Coating
- Control protocol



Pictogrammes | Piktogramms | Pictograms



Carbure monobloc
Vollhartmetall
Solide carbide



Angle de pointe
Spitzenwinkel
Peak angle



Diamètre du barreau
Bardurchmesser
Bar diameter



Coupe à droite
Schneiden rechts
Cutting right



Angle d'hélice
Spiralwinkel
Helix angle



Longueur du barreau
Bar Länge
Length of the bar



Coupe à gauche
Schneiden links
Cutting left



Angle coupant
Schneidend Winkel
Cutting edge



Diamètre utile
Arbeitsdurchmesser
Effective diameter



Corps cylindrique
Zylindrischer Schaft
Straight shank



Rayon coupant
Schneidend Radius
Cutting radius



Longueur utile
Arbeitslänge
Effective length



Corps renforcé
Verstärkter Schaft
Enlarged shank



Nombre de dents
Anzahl Zähne
Number of teeth



Carré
Vierkant
Square





Fiches techniques

Technische Daten
Technical data



10

Centreurs plats Zentrier-Flachbohrer Flat centring tools



1.0	2	30
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1.5	3	30
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2.0	4	30
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3.0	6	30
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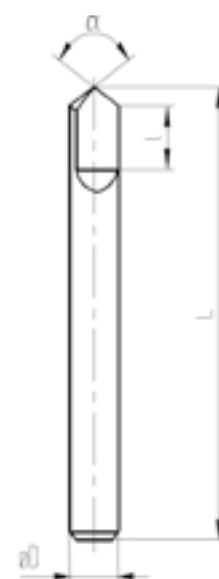
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5.0	10	39
-----	----	----

6.0	12	50
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8.0	16	50
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10.0	20	50
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Type 10

15

Centreurs plats de forme Formzentrier-Flachbohrer Form flat centring tools



D	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
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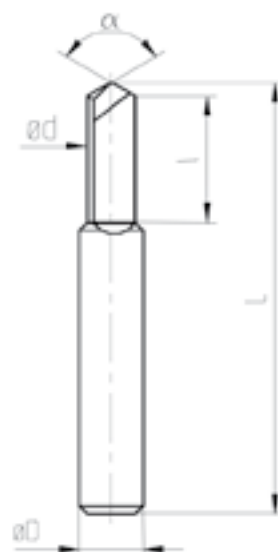
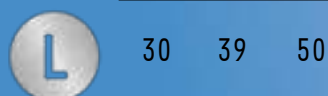
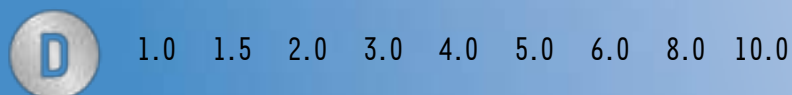
L	30	39	50
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Selon plan
Nach Zeichnung
According to drawing

Type 15

100

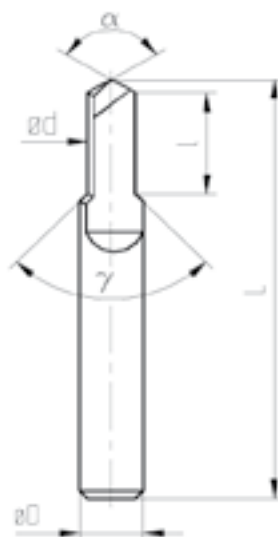
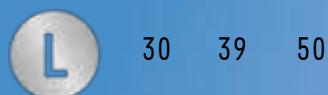
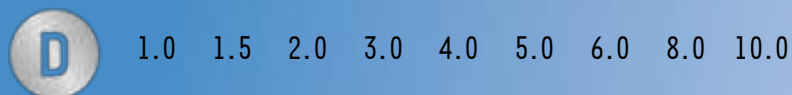
Mèches plates
Flachbohrer
Flat drills



Type 100

110

Mèches plates à angle
Winkelflachbohrer
Flat drills with angle



Type 110

110-x

Mèches plates à étages
Stufenflachbohrer
Flat drills stepped



Selon plan
Nach Zeichnung
According to drawing

Réf. 110-2 110-3 110-4 110-5



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Selon plan
Nach Zeichnung
According to drawing



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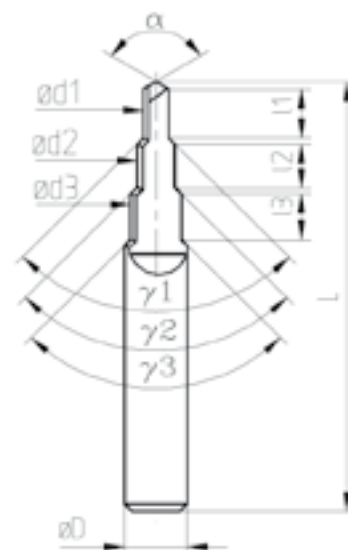
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1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



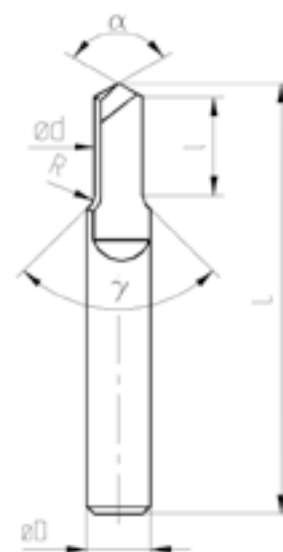
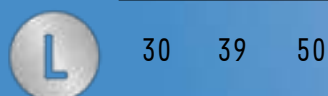
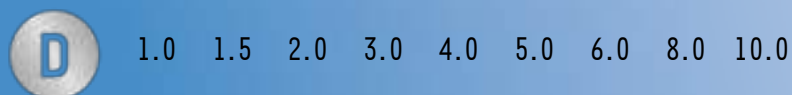
30 39 50



Type 110-x

110+R

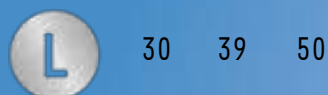
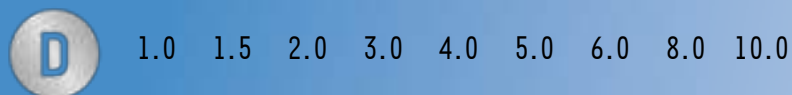
Mèches plates à rayon
Flachbohrer mit Radius
Flat drills with radius



Type 110+R

150

Mèches plates de forme
Formflachbohrer
Flat form drills



Selon plan
Nach Zeichnung
According to drawing

Type 150

20

Centreurs demi-lune
Zentrier-Kanonenbohrer
1/2 round centring tools



1.0	2	30
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1.5	3	30
-----	---	----

2.0	4	30
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3.0	6	30
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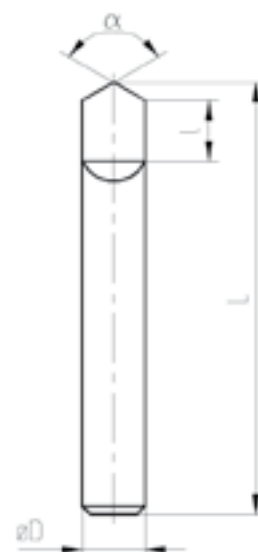
4.0	8	39
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5.0	10	39
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6.0	12	50
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8.0	16	50
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10.0	20	50
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Type 20

25

Centreurs demi-lune de forme
Formzentrier-Kanonenbohrer
Form 1/2 round centring tools



D	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
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L	30	39	50
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Selon plan
Nach Zeichnung
According to drawing

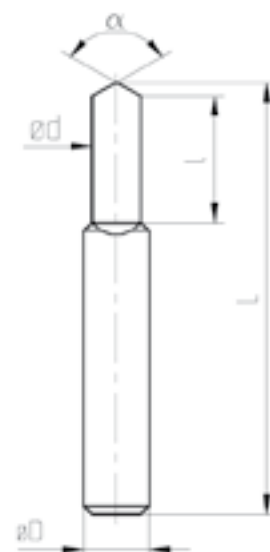
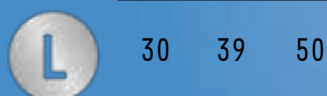
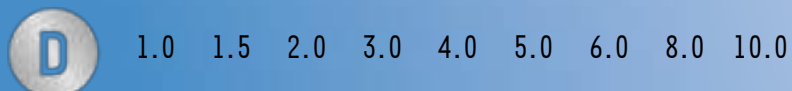
Type 25

200

Mèches à canon demi-lune
Kanonenbohrer
1/2 round drills



0.10 - 10.00



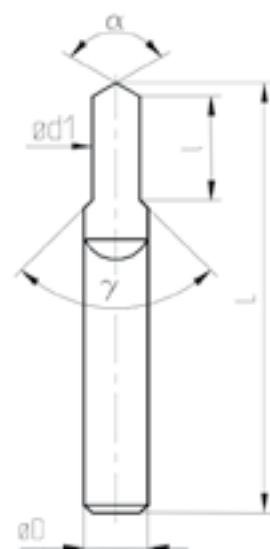
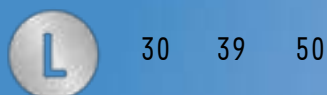
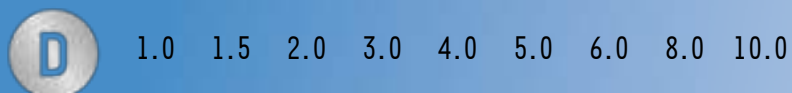
Type 200

210

Mèches demi-lune à angle
Winkelkanonenhbohrer
1/2 round drills with angle



0.10 - 10.00



Type 210

210-x

Mèches demi-lune à étages
Stufenkanonenbohrer
1/2 round drills stepped



Selon plan
Nach Zeichnung
According to drawing

Réf. 210-2 210-3 210-4 210-5



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Selon plan
Nach Zeichnung
According to drawing



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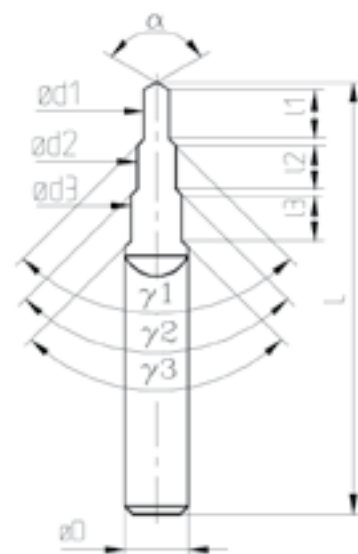
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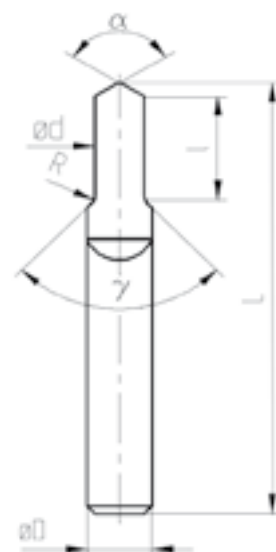
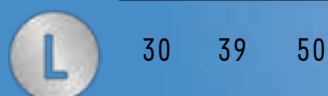
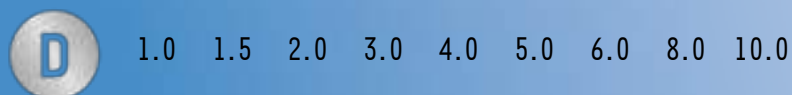
30 39 50



Type 210-x

210+R

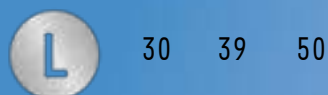
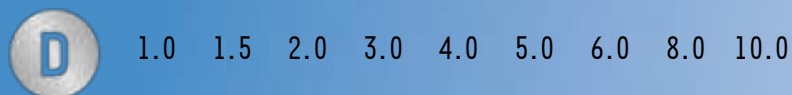
Mèches demi-lune à rayon
Kanonenbohrer mit Radius
1/2 round drills with radius



Type 210+R

250

Mèches demi-lune de forme
Formkanonenbohrer
1/2 round form drills



Selon plan
Nach Zeichnung
According to drawing

Type 250

Outils hélicoïdaux

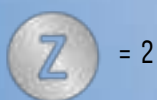
Spiralwerkzeuge

Twist tools



30

Centreurs hélicoïdaux
Zentrier-Spiralbohrer
Twist centring tools



90°/120°

1.0 2 30

1.5 3 30

2.0 4 30

3.0 6 30

4.0 8 39

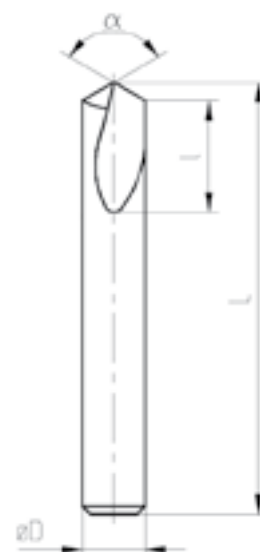
5.0 10 39

6.0 12 50

8.0 16 50

10.0 20 50

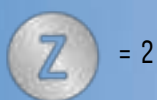
En stock coupe à droite, pointe 90°
Auf Lager Schneidrichtung Rechts, Spitze 90°
On stock cutting direction right, point 90°



Type 30

35

Centreurs hélicoïdaux de forme
Formzentrier Spiralbohrer
Form twist centring tools



Selon plan
Nach Zeichnung
According to drawing



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

Selon plan
Nach Zeichnung
According to drawing

Type 35

DELMECO

L'EXPERT DES OUTILS DE COUPE EN MÉTAL DUR SUR MESURE

300A

MINUS

Mèches hélicoïdales

Spiralbohrer

Twist drills



= 2



118°



24°



+0 / -0.004



0.10 - 0.19

0.7

1.0

30

0.20 - 0.29

2.0

1.0

30

0.30 - 0.39

2.5

1.0

30

0.40 - 0.49

3.0

1.0

30

0.50 - 0.59

3.5

1.0

30

0.60 - 0.69

4.0

1.0

30

0.70 - 0.79

5.0

1.0

30

0.80 - 0.99

6.0

1.5

30

1.00 - 1.19

8.0

1.5

39

1.20 - 1.49

9.0

1.5

39

1.50 - 1.99

10.0

2.0

39

2.00 - 2.49

12.0

3.0

39

2.50 - 2.99

15.0

3.0

39

3.00 - 3.49

18.0

4.0

50

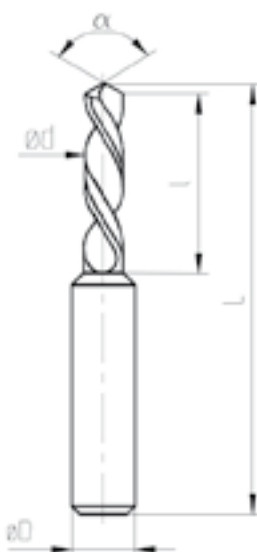
3.50 - 3.99

20.0

4.0

50

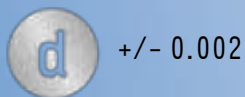
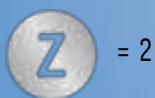
En stock par 0.01
Auf Lager alle 0.01
On stock every 0.01



Type 300A
STANDARD MINUS

300A

MEDIUM
Mèches hélicoïdales
Spiralbohrer
Twist drills



0.105 - 0.195

0.7

1.0

30

0.205 - 0.295

2.0

1.0

30

0.305 - 0.395

2.5

1.0

30

0.405 - 0.495

3.0

1.0

30

0.505 - 0.595

3.5

1.0

30

0.605 - 0.695

4.0

1.0

30

0.705 - 0.795

5.0

1.0

30

0.805 - 0.995

6.0

1.5

30

1.005 - 1.195

8.0

1.5

39

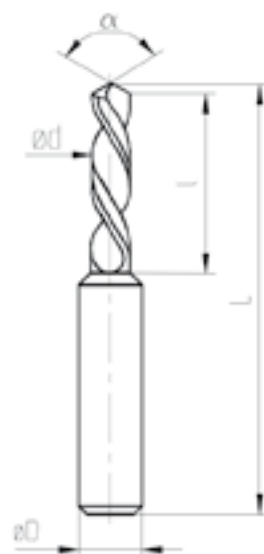
1.205 - 1.495

9.0

1.5

39

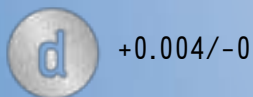
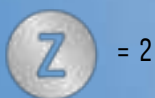
En stock par 0.01
 Auf Lager alle 0.01
 On stock every 0.01



Type 300A
 STANDARD MEDIUM

300A

PLUS
Mèches hélicoïdales
Spiralbohrer
Twist drills



0.10 - 0.19

0.7

1.0

30

0.20 - 0.29

2.0

1.0

30

0.30 - 0.39

2.5

1.0

30

0.40 - 0.49

3.0

1.0

30

0.50 - 0.59

3.5

1.0

30

0.60 - 0.69

4.0

1.0

30

0.70 - 0.79

5.0

1.0

30

0.80 - 0.99

6.0

1.5

30

1.00 - 1.19

8.0

1.5

39

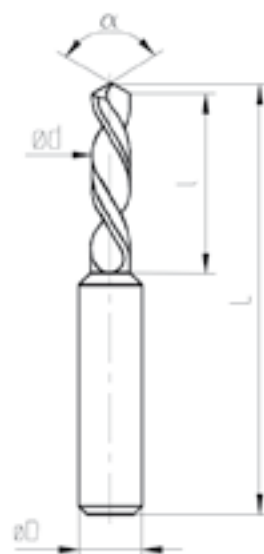
1.20 - 1.49

9.0

1.5

39

En stock par 0.01
Auf Lager alle 0.01
On stock every 0.01



Type 300A
STANDARD PLUS

300A

Mèches hélicoïdales
Spiralbohrer
Twist drills



= 2



0.10 - 10.00



Selon plan
Nach Zeichnung
According to drawing



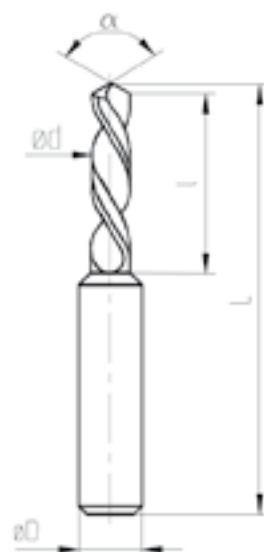
Selon matière à usiner
Je nach Werkstoff
According to material used



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50



Type 300A
NON-STANDARD

300B

Mèches hélicoïdales
Spiralbohrer
Twist drills



= 2



0.30 - 10.00



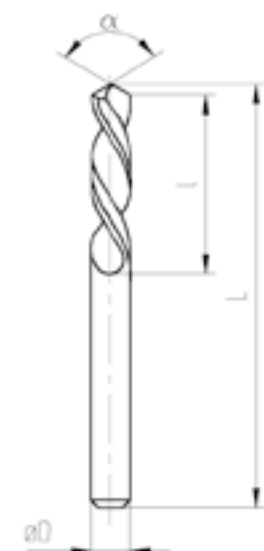
Selon plan
Nach Zeichnung
According to drawing



Selon matière à usiner
Je nach Werkstoff
According to material used



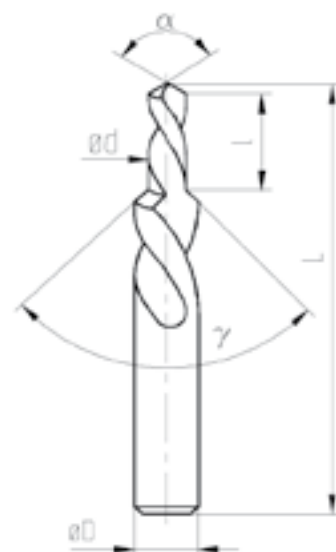
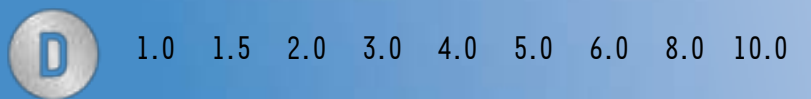
30 39 50



Type 300B
NON-STANDARD

310

Mèches hélicoïdales à angle
Winkelspiralbohrer
Twist drills with angle



Type 310

310-x

Mèches hélicoïdales à étages
Stufenspiralbohrer
Twist drills stepped



= 2



Selon plan
Nach Zeichnung
According to drawing



Selon matière à usiner
Je nach Werkstoff
According to material used

Réf. 310-2 310-3 310-4 310-5



●

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Selon plan
Nach Zeichnung
According to drawing



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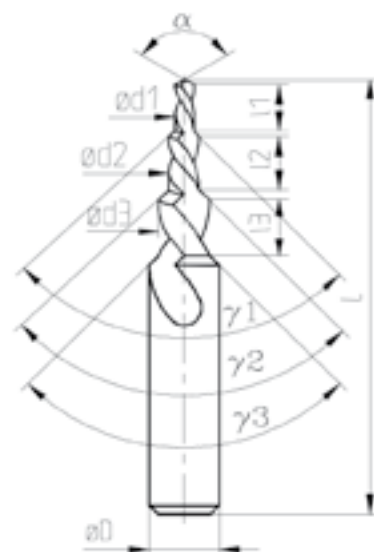
●



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

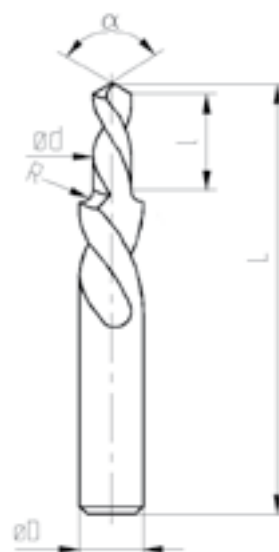


Type 310-x

310+R

Mèches hélicoïdales à rayon
Spiralbohrer mit Radius
Twist drills with radius

				 = 2					
				Selon plan Nach Zeichnung According to drawing					
	0.10 - 10.00		Selon matière à usiner Je nach Werkstoff According to material used						
	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
	30	39	50						



Type 310+R

350

Mèches hélicoïdales de forme
Formspiralbohrer
Twist form drills

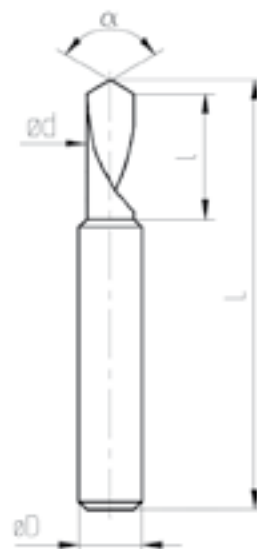
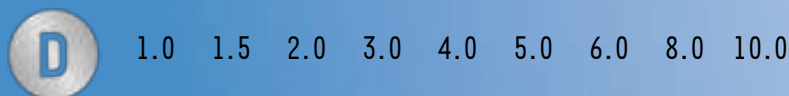
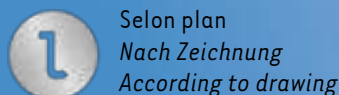
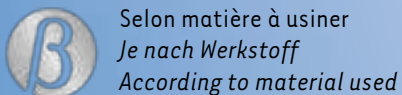
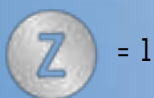
				 = 2					
				Selon plan Nach Zeichnung According to drawing					
	0.10 – 10.00		Selon matière à usiner Je nach Werkstoff According to material used						
	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
	30	39	50						

Selon plan
Nach Zeichnung
According to drawing

Type 350

320A

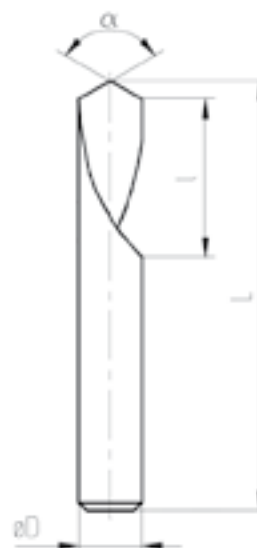
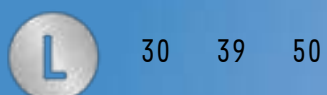
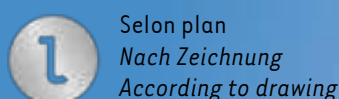
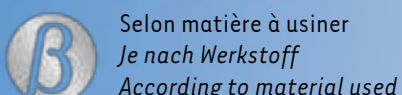
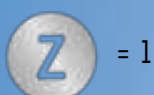
Mèches à canon hélicoïdales
Spiral-Kanonenbohrer
Single fluted drills



Type 320A

320B

Mèches à canon hélicoïdales
Spiral-Kanonenbohrer
Single fluted drills

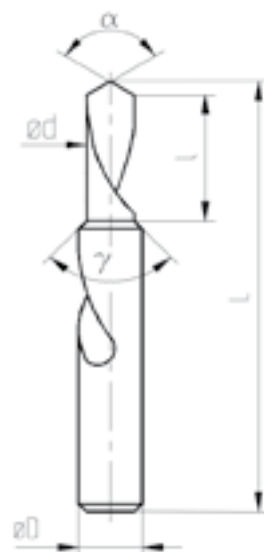


Type 320B

320-1

Mèches à canon hélicoïdales à angle
Spiral-Kanonenbohrer mit Winkel
Single fluted drills with angle

					= 1				
	120°/180°			Selon plan Nach Zeichnung According to drawing					
	0.10 - 10.00		Selon matière à usiner Je nach Werkstoff According to material used						
	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
	30	39	50						



Type 320-1

320-x

Mèches à canon hélicoïdales à étages
Spiral-Kanonenbohrer mit stufen
Single fluted drills stepped



= 1



120°/180°



Selon matière à usiner
Je nach Werkstoff
According to material used

Réf. 320-2 320-3 320-4 320-5



●

●

●

●

Selon plan
Nach Zeichnung
According to drawing



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●

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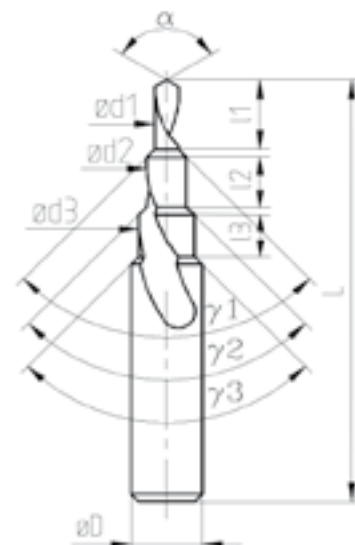
●



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50



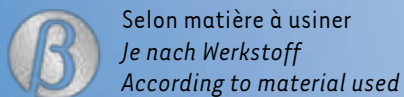
Type 320-x

325

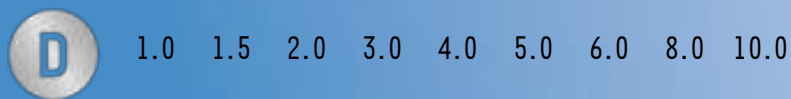
Mèches à canon hélicoïdales de forme
Formspiral-Kanonenbohrer
Single fluted form drills



Selon plan
Nach Zeichnung
According to drawing



Selon matière à usiner
Je nach Werkstoff
According to material used

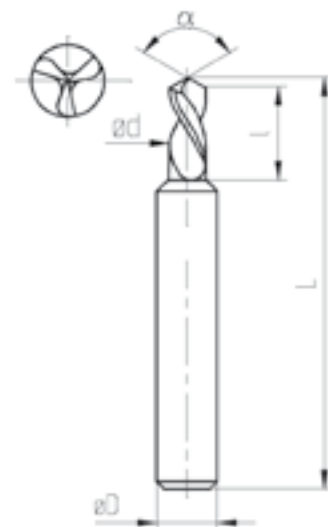
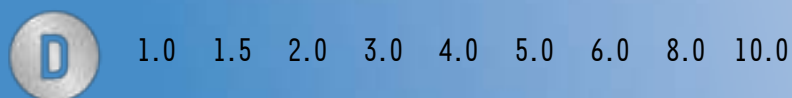
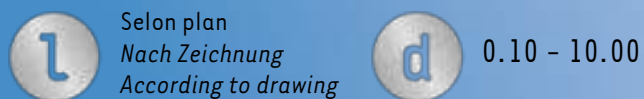


Selon plan
Nach Zeichnung
According to drawing

Type 325

330A

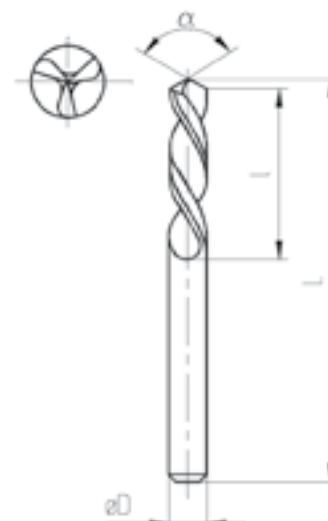
Mèches hélicoïdales 3 lèbres
Dreilippenbohrer
3 fluted drills



Type 330A

330B

Mèches hélicoïdales 3 lèbres
Dreilippenbohrer
3 fluted drills

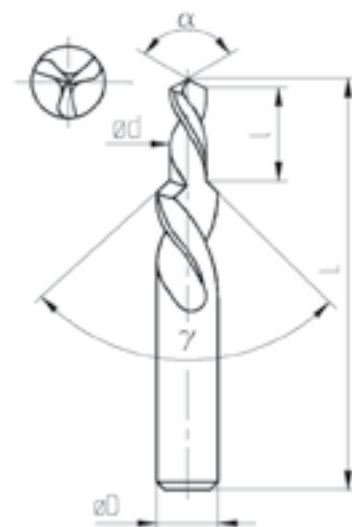


Type 330B

330-1

Mèches hélicoïdales 3 lèvres à angle
Dreilippenbohrer mit Winkel
3 fluted drills with angle

					 = 3				
	140°			Selon plan Nach Zeichnung According to drawing					
	0.80 - 10.00			Selon matière à usiner Je nach Werkstoff According to material used					
	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
	30	39	50						



Type 330-1

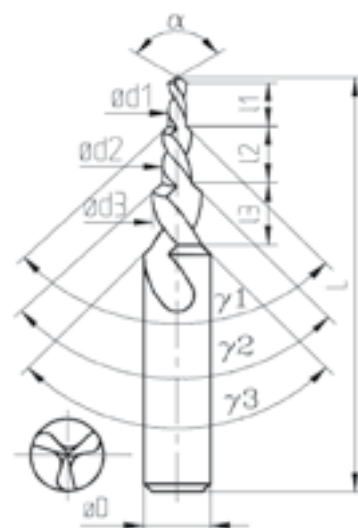
330-x

Mèches hélicoïdales 3 lèvres à étages
Dreilippenbohrer mit Stufen
3 fluted drills stepped



Réf.	330-2	330-3	330-4	330-5	
d^1	●	●	●	●	Selon plan Nach Zeichnung According to drawing
l_1	●	●	●	●	
γ_1	●	●	●	●	
d^2	●	●	●	●	
l_2	●	●	●	●	
γ_2		●	●	●	
d^3			●	●	
l_3			●	●	
γ_3				●	

D	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
L	30	39	50						



Type 330-x

380A

Mèches hélicoïdales à goujures arrondies
Spiralabgerundetbohrer
Round shaped twist drills



= 2



130°



30°/35°



Selon plan
Nach Zeichnung
According to drawing



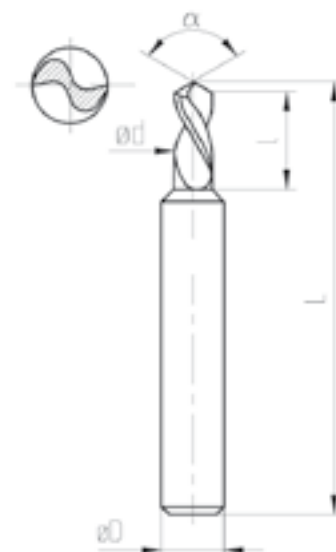
0.60 - 10.00



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50



Type 380A

380B

Mèches hélicoïdales à goujures arrondies
Spiralabgerundetbohrer
Round shaped twist drills



= 2



130°



30°/35°



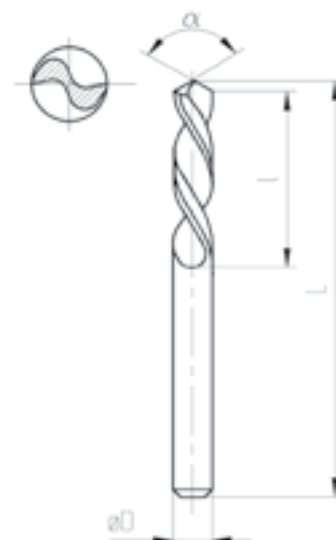
Selon plan
Nach Zeichnung
According to drawing



1.00 - 10.00



30 39 50



Type 380B

Outils spéciaux

Speziellwerkzeuge

Special tools



400

Mèches Eureka
Eureka-Bohrer
Eureka drills

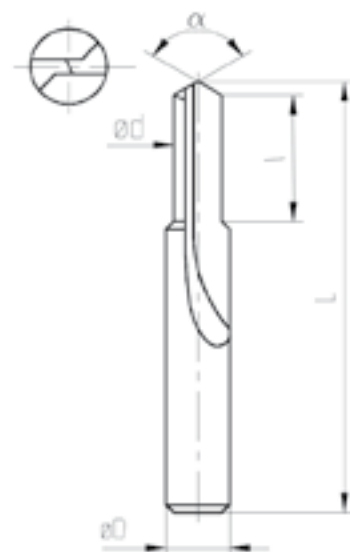


L Selon plan
Nach Zeichnung
According to drawing

d 0.50 - 10.00

D 1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 400

410

Mèches Eureka à angle
Eureka-Bohrer mit Winkel
Eureka drills with angle

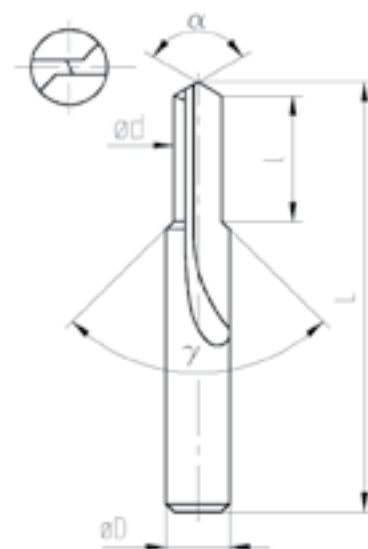


L Selon plan
Nach Zeichnung
According to drawing

d 0.50 - 10.00

D 1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 410

410-x

Mèches Eureka à étages
Stufeneureka-Bohrer
Eureka drills stepped

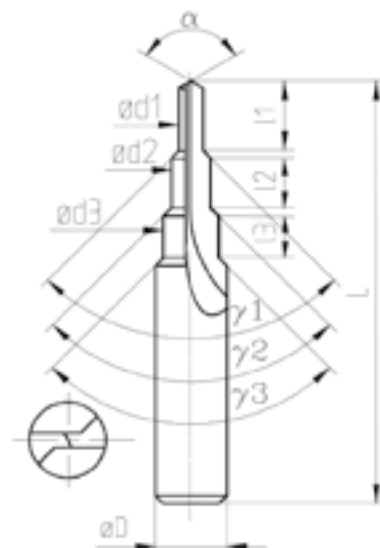


Réf. 410-2 410-3 410-4 410-5

d ¹	●	●	●	●
l ₁	●	●	●	●
γ ₁	●	●	●	●
d ²	●	●	●	●
l ₂	●	●	●	●
γ ₂		●	●	●
d ³			●	●
l ₃			●	●
γ ₃				●

Selon plan
Nach Zeichnung
According to drawing

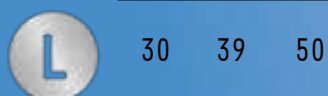
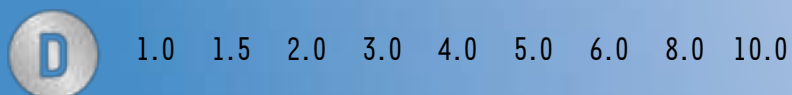
D	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0
L	30	39	50						



Type 410-x

450

Mèches Eureka de forme
Form Eureka-Bohrer
Eureka form drills



Selon plan
 Nach Zeichnung
 According to drawing

Type 450

500

Mèches 3/4
3/4 Bohrer
3/4 drills

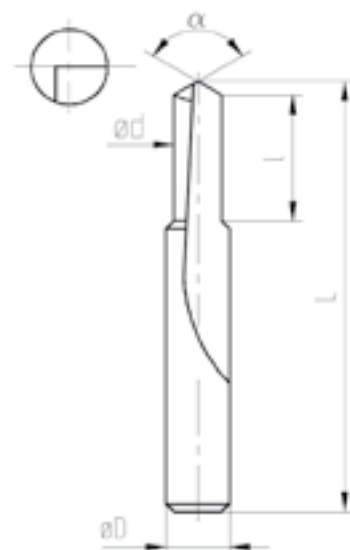


L Selon plan
Nach Zeichnung
According to drawing

d 0.50 - 10.00

D 1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 500

510

Mèches 3/4 à angle
3/4 Bohrer mit Winkel
3/4 drills with angle

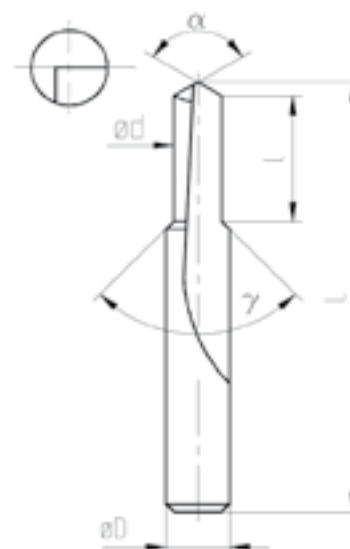


L Selon plan
Nach Zeichnung
According to drawing

d 0.50 - 10.00

D 1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 510

510-x

Mèches 3/4 à étages
Stufen 3/4 Bohrer
3/4 drills stepped



120°

Réf. 510-2 510-3 510-4 510-5



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Selon plan
Nach Zeichnung
According to drawing



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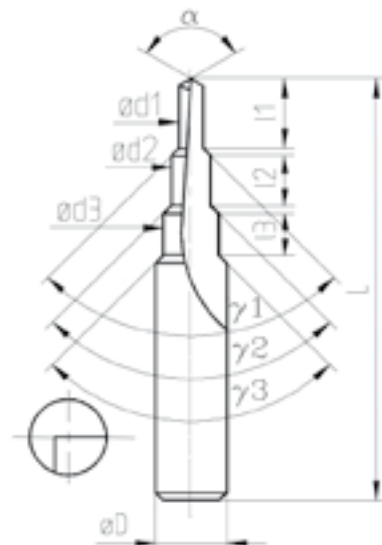
●



1.0 1.5 2.0 3.0 4.0 5.0 6.0 8.0 10.0



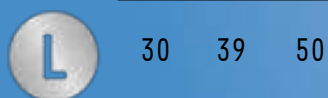
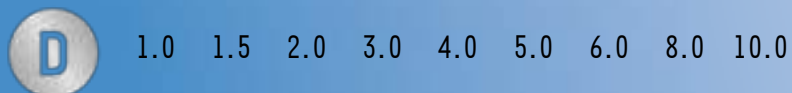
30 39 50



Type 510-x

550

Mèches 3/4 de forme
Form 3/4 Bohrer
3/4 form drills

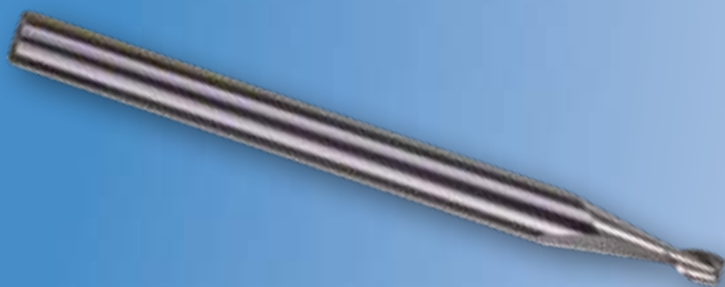


Selon plan
Nach Zeichnung
According to drawing

Type 550

Fraises diverses

Verschiedene Fräser
Various milling cutters



600

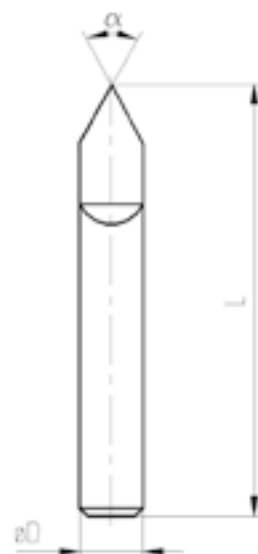
Fraises à graver
Gravier Fräser
Engrave milling cutters



Q Selon plan
Nach Zeichnung
According to drawing

D 3.0 4.0 5.0 6.0

L 30 39 50



Type 600

610 Zx

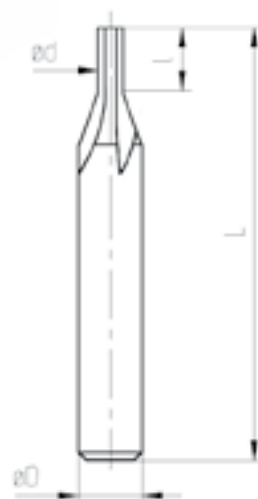
Fraises en bout à denture droite
Geradegenutet Schaftfräser
Straight fluted end mills



Q 180° **L** Selon plan
Nach Zeichnung
According to drawing **d** 1.00 - 10.00

D 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 610 Zx

615 Zx

Fraises en bout à denture droite de forme
Geradegenutet Schaftfräser
 Straight fluted end mills



Selon plan
 Nach Zeichnung
 According to drawing



Selon plan
 Nach Zeichnung
 According to drawing



1.0 - 10.00



2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

Selon plan
 Nach Zeichnung
 According to drawing

Type 615 zx

620

Fraises demi-lune
Einzahn-Fräser
 Single milling cutters



= 1



180°



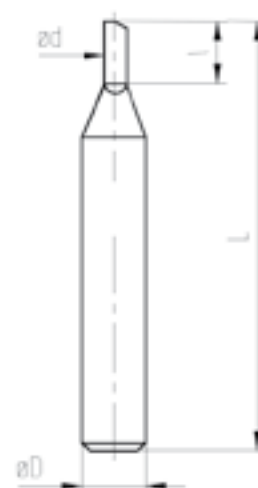
0.20 - 10.00



2.0 3.0 4.0 5.0 6.0 8.0 10.0



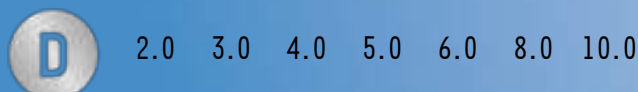
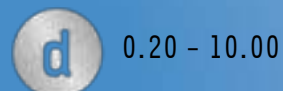
30 39 50



Type 620

625

Fraises demi-lune de forme
Einzahn-Formfräser
Single form milling cutters

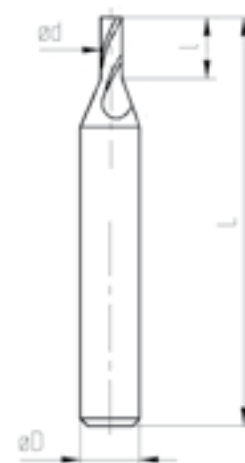
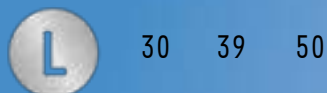
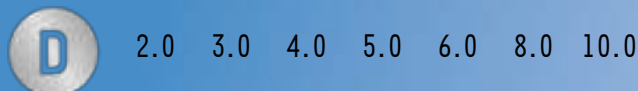


Selon plan
Nach Zeichnung
According to drawing

Type 625

630 Zx

Fraises en bout hélicoïdales
Spiralgenutet Schaftfräser
Spiral fluted end mills



Type 630 zx

635 Zx

Fraises en bout hélicoïdales de forme
Formspiralgenutet Schaftfräser
Spiral fluted form end mills

				 = 2 - 8			
	0.20 - 10.00			Selon matière à usiner <i>Je nach Werkstoff</i> <i>According to material used</i>			
				Selon plan <i>Nach Zeichnung</i> <i>According to drawing</i>			
	2.0	3.0	4.0	5.0	6.0	8.0	10.0
	30	39	50				

Selon plan
Nach Zeichnung
According to drawing

Type 635 Zx

640

Fraises à fendre
Kreissägen
Slitting saw

			Dimensions : Selon demande <i>Grösse : Nach Wunsch</i> <i>Sizes : As request</i>
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Selon plan
Nach Zeichnung
According to drawing

Type 640

650

Fraises en T
T-Fräser
T form end mills

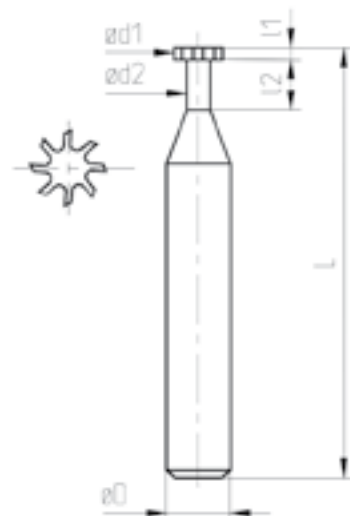


d₁ 0.60 - 15.00

l₁ d₂ l₂ Selon plan
Nach Zeichnung
According to drawing

D 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50



Type 650

660

Fraises à angler
Kegelsenker
Chamfering tools

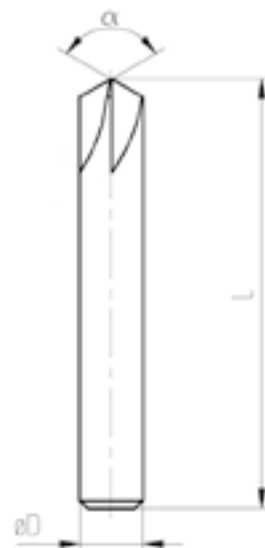


α 60°/90°/120°

D 2.0 3.0 4.0 5.0 6.0 8.0 10.0

L 30 39 50

En stock D=3.0 | Auf Lager D=3.0 | On stock D=3.0



Type 660

670

Fraises à polygoner

Polygonfräser

Polygon tools



Dimensions : Selon demande

Grösse : Nach Wunsch

Sizes : As request

Selon plan
Nach Zeichnung
According to drawing

Type 670

675

Tourbilloneurs

Gewindewirbler

Whirling tools



Dimensions : Selon demande

Grösse : Nach Wunsch

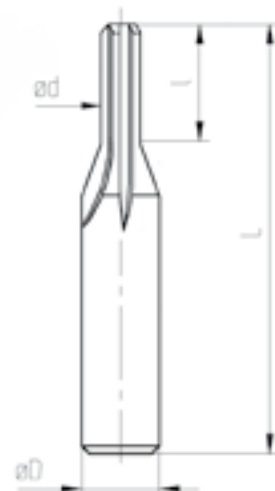
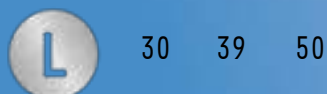
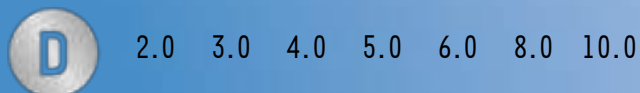
Sizes : As request

Selon plan
Nach Zeichnung
According to drawing

Type 675

681

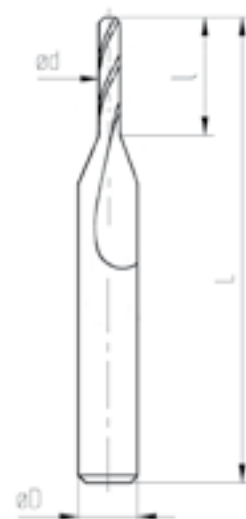
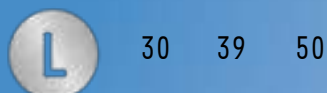
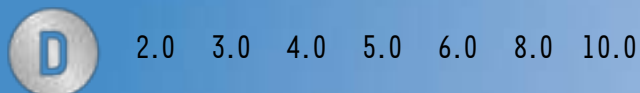
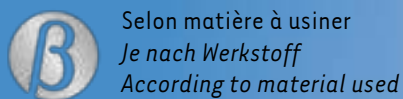
Alésoirs à rainures droites
Geradegenutet Reibahlen
Straight fluted reamers



Type 681

683

Alésoirs à rainures hélicoïdales
Spiralgenutet Reibahlen
Spiral fluted reamers



Type 683

690

Fraises spéciales
Spezial Fräser
Special end mills



Selon plan
Nach Zeichnung
According to drawing



Selon plan
Nach Zeichnung
According to drawing



0.30 - 10.00



2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

Selon plan
Nach Zeichnung
According to drawing

Type 690

Burins et divers

Drehwerkzeuge und
verschiedene Werkzeuge
Turning tools and
various



710

Burins extérieurs
Aussendrehwerkzeuge
Outside turning tools



Dimensions : Selon plan
 Grösse : Nach Zeichnung
 Sizes : According to drawing

Corps:

Schaft: 6x6 / 7x7 / 8x8 / 10x10 / 12x12

Shank:

Selon plan
 Nach Zeichnung
 According to drawing

Type 710

730

Burins intérieurs
Innendrehwerkzeuge
Inside turning tools



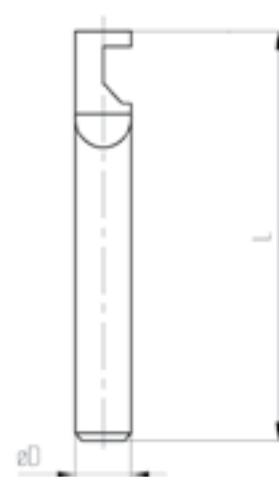
Dimensions : Selon plan
 Grösse : Nach Zeichnung
 Sizes : According to drawing



2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50



Type 730

810

Jauges carrées
Vier Kant Zapfenlehren
Square gauges



Selon plan
Nach Zeichnung
According to drawing

Selon plan
Nach Zeichnung
According to drawing

Type 810

830

Jauges cylindriques
Zapfenlehren
Precision plug gauges



+0 / -0.001



Selon plan
Nach Zeichnung
According to drawing

Selon plan
Nach Zeichnung
According to drawing

Type 830

911

Etampes de forme
Stanzwerkzeuge
Stamping dies tools



Forme : Selon plan
Form : Nach Zeichnung
Form : According to drawing



2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

Selon plan
Nach Zeichnung
According to drawing

Type 911

912

Touches de mesure
Messtaster für Mikrometer
Micrometre tasters



Forme : Selon plan
Form : Nach Zeichnung
Form : According to drawing

Selon plan
Nach Zeichnung
According to drawing

Type 912

913

Perçeurs
Lochstempel
Dies cutting tools



Selon plan
Nach Zeichnung
According to drawing

Selon plan
Nach Zeichnung
According to drawing

Type 913

990

Divers
Verschiedene
Various



Forme : Selon plan
Form : Nach Zeichnung
Form : According to drawing



2.0 3.0 4.0 5.0 6.0 8.0 10.0



30 39 50

Selon plan
Nach Zeichnung
According to drawing

Type 990

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