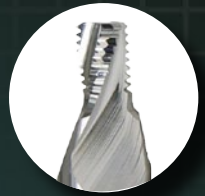


Performance Series

Drills, End Mills & Saws



LB LOUIS BELET®
Swiss Cutting tools

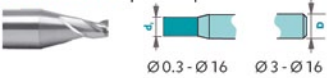
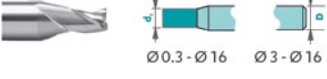
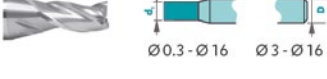
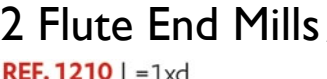


VER 2.16

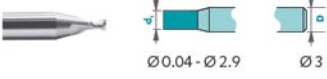
Find your micro-tooling, FAST!

Genevieve Swiss is committed to bringing the industry's finest cutting tools to the North American metalworking market. Louis Belet of Switzerland is a leading manufacturer of super precision micro tooling, drills and end mills as well as a large variety of specialty cutters. This catalog contains some of the specialized products available from Louis Belet exclusively through GenSwiss.

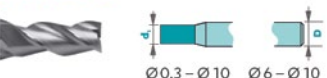
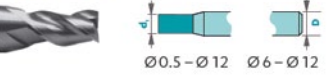
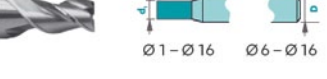
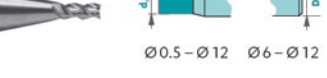
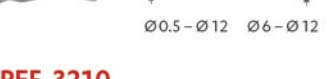
3 Flute End Mills

REF. 1510	$l_1 = 1 \times d_1$			$\lambda 30^\circ$	Pages
		$\varnothing 0.3 - \varnothing 16$	$\varnothing 3 - \varnothing 16$		4-5
REF. 1515	$l_1 = 1.5 \times d_1$			$\lambda 30^\circ$	Pages
		$\varnothing 0.3 - \varnothing 16$	$\varnothing 3 - \varnothing 16$		6-7
REF. 1520	$l_1 = 2 \times d_1$			$\lambda 30^\circ$	Pages
		$\varnothing 0.3 - \varnothing 16$	$\varnothing 3 - \varnothing 16$		8-9
REF. 1530	$l_1 = 3 \times d_1$			$\lambda 30^\circ$	Pages
		$\varnothing 0.3 - \varnothing 16$	$\varnothing 3 - \varnothing 16$		10-11
REF. 1540	$l_1 = 4 \times d_1$			$\lambda 30^\circ$	Pages
		$\varnothing 0.3 - \varnothing 16$	$\varnothing 3 - \varnothing 16$		12-13
REF. 103-0				$\lambda 30^\circ$	Pages
		$\varnothing 1 - \varnothing 10$	$\varnothing 4 - \varnothing 10$		15
REF. 1621	Variable pitch			$\lambda 35-40^\circ$	Pages
		$\varnothing 1 - \varnothing 16$	$\varnothing 6 - \varnothing 16$		17
REF. 1820					Pages
		$\varnothing 0.5 - \varnothing 3$	$\varnothing 4$		18

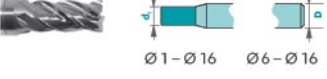
2 Flute End Mills

REF. 1210	$l_1 = 1 \times d_1$			$\lambda 35^\circ$	Pages
		$\varnothing 0.04 - \varnothing 2.9$	$\varnothing 3$		14

Optimized End Mills

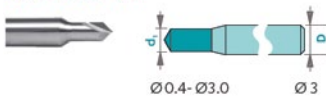
REF. 3000	Stainless steel			$\lambda 42^\circ$	Pages
		$\varnothing 0.3 - \varnothing 10$	$\varnothing 6 - \varnothing 10$		19
REF. 3010	Stainless steel			$\lambda 42^\circ$	Pages
		$\varnothing 0.5 - \varnothing 12$	$\varnothing 6 - \varnothing 12$	45° 0.03-0.15	20
REF. 3020	Stainless steel			$\lambda 42^\circ$	Pages
		$\varnothing 1 - \varnothing 16$	$\varnothing 6 - \varnothing 16$	0.15-0.30	21
REF. 3100	Titanium			$\lambda 45^\circ$	Pages
		$\varnothing 0.5 - \varnothing 12$	$\varnothing 6 - \varnothing 12$		22
REF. 3200				$\lambda 40^\circ$	Pages
		$\varnothing 0.5 - \varnothing 12$	$\varnothing 6 - \varnothing 12$		23
REF. 3210				$\lambda 30^\circ$	Pages
		$\varnothing 1.0 - \varnothing 12$	$\varnothing 6 - \varnothing 12$	0.20-2.00	24
REF. 3310	Steel			$\lambda 50^\circ$	Pages
		$\varnothing 1 - \varnothing 12$	$\varnothing 6 - \varnothing 12$	0.10-4.00	25
REF. 3320	Steel			$\lambda 30^\circ$	Pages
		$\varnothing 1.0 - \varnothing 12$	$\varnothing 6 - \varnothing 12$		26

4 Flute End Mills

REF. 1620	Variable pitch			$\lambda 35-40^\circ$	Pages
		$\varnothing 1 - \varnothing 16$	$\varnothing 6 - \varnothing 16$		16

Center Drills

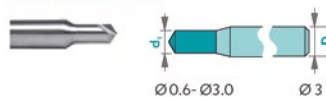
REF. 330-90



Pages

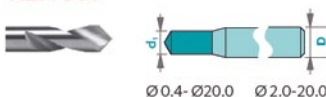
27

REF. 330-120



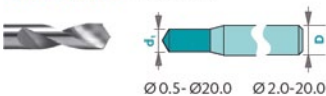
28

REF. 337



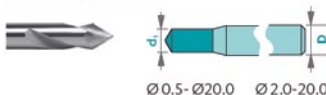
29

REF. 337-2 left cut



30

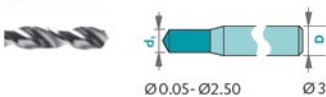
REF. 337-3



31

34° Helix Drills - For Stainless

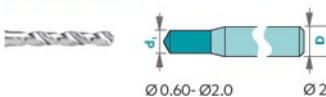
REF. 342



Pages

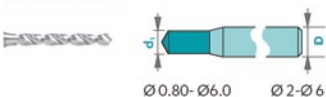
32-34

REF. 343-6



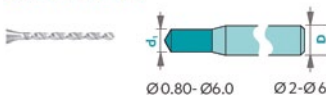
35-36

REF. 343-8



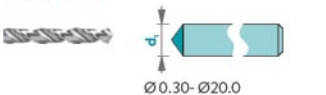
37-39

REF. 343-12



40-42

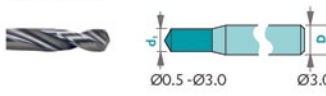
REF. 352



43-44

INOX Expert 370 for Stainless

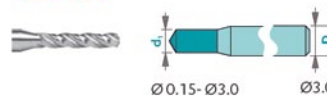
REF. 370



45-46

3 Flute Drills

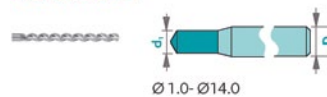
REF. 353



Pages

47-49

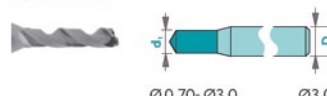
REF. 353-2



50-51

Coolant Thru Micro Drills

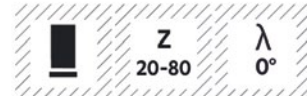
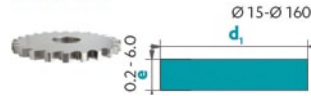
REF. 344



52

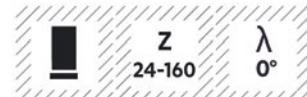
Slitting Saws

REF. 223



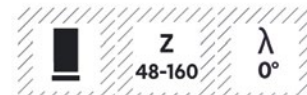
53-58

REF. 223-1



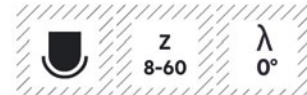
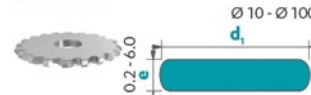
59-64

REF. 223-2



65-69

REF. 232



70-72

Holders & Arbors



4800 - Ti-Loc® Arbors

73

5015 - Combo Arbors

74

4900 - Ti-Loc® Mill Extensions

75

Louis Belet SA features over 6500 Standard Catalog items. If you do not see what you need listed here, check out www.genswiss.com for additional cutting tools from Louis Belet. Call (413)562-4800 or send a request to sales@genswiss.com and we can help you get what you need.

Other Available Products from LB:

- PCD Tipped Drills and Mills
- Thread Mills and ID Whirling Tools
- Gear Hobs
- Keyseat Cutters
- Custom Tool Development & LASER Grinding

1510

End mill Z3 $l_1=1 \times d_1$ 

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$



Art. n°	d_1	l_1	D	L
1510d0.30	0.30	0.30	3	38
1510d0.35	0.35	0.35	3	38
1510d0.40	0.40	0.40	3	38
1510d0.45	0.45	0.45	3	38
1510d0.50	0.50	0.50	3	38
1510d0.55	0.55	0.55	3	38
1510d0.60	0.60	0.60	3	38
1510d0.65	0.65	0.65	3	38
1510d0.70	0.70	0.70	3	38
1510d0.75	0.75	0.75	3	38
1510d0.80	0.80	0.80	3	38
1510d0.85	0.85	0.85	3	38
1510d0.90	0.90	0.90	3	38
1510d0.95	0.95	0.95	3	38
1510d1.00	1.00	1.00	3	38
1510d1.05	1.05	1.05	3	38
1510d1.10	1.10	1.10	3	38
1510d1.15	1.15	1.15	3	38
1510d1.20	1.20	1.20	3	38
1510d1.25	1.25	1.25	3	38
1510d1.30	1.30	1.30	3	38
1510d1.35	1.35	1.35	3	38
1510d1.40	1.40	1.40	3	38
1510d1.45	1.45	1.45	3	38
1510d1.50	1.50	1.50	3	38
1510d1.55	1.55	1.55	3	38
1510d1.60	1.60	1.60	3	38
1510d1.65	1.65	1.65	3	38
1510d1.70	1.70	1.70	3	38
1510d1.75	1.75	1.75	3	38

Art. n°	d_1	l_1	D	L
1510d1.80	1.80	1.80	3	38
1510d1.85	1.85	1.85	3	38
1510d1.90	1.90	1.90	3	38
1510d1.95	1.95	1.95	3	38
1510d2.00	2.00	2.00	3	38
1510d2.05	2.05	2.05	3	38
1510d2.10	2.10	2.10	3	38
1510d2.15	2.15	2.15	3	38
1510d2.20	2.20	2.20	3	38
1510d2.25	2.25	2.25	3	38
1510d2.30	2.30	2.30	3	38
1510d2.35	2.35	2.35	3	38
1510d2.40	2.40	2.40	3	38
1510d2.45	2.45	2.45	3	38
1510d2.50	2.50	2.50	3	38
1510d2.55	2.55	2.55	3	38
1510d2.60	2.60	2.60	3	38
1510d2.65	2.65	2.65	3	38
1510d2.70	2.70	2.70	3	38
1510d2.75	2.75	2.75	3	38
1510d2.80	2.80	2.80	3	38
1510d2.85	2.85	2.85	3	38
1510d2.90	2.90	2.90	3	38
1510d2.95	2.95	2.95	3	38
1510d3.00	3.00	3.00	6	51
1510d3.10	3.10	3.10	6	51
1510d3.20	3.20	3.20	6	51
1510d3.30	3.30	3.30	6	51
1510d3.40	3.40	3.40	6	51

End mill Z3 $l_1=1 \times d_1$

1510

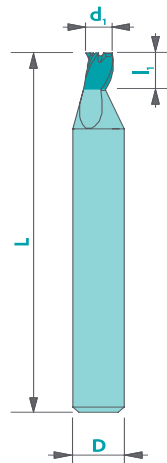
Continuation

Art. n°	d_1	l_1	D	L
1510d3.50	3.50	3.50	6	51
1510d3.60	3.60	3.60	6	51
1510d3.70	3.70	3.70	6	51
1510d3.80	3.80	3.80	6	51
1510d3.90	3.90	3.90	6	51
1510d4.00	4.00	4.00	6	51
1510d4.10	4.10	4.10	6	51
1510d4.20	4.20	4.20	6	51
1510d4.30	4.30	4.30	6	51
1510d4.40	4.40	4.40	6	51
1510d4.50	4.50	4.50	6	51
1510d4.60	4.60	4.60	6	51
1510d4.70	4.70	4.70	6	51
1510d4.80	4.80	4.80	6	51
1510d4.90	4.90	4.90	6	51
1510d5.00	5.00	5.00	6	51
1510d5.10	5.10	5.10	6	51
1510d5.20	5.20	5.20	6	51
1510d5.30	5.30	5.30	6	51
1510d5.40	5.40	5.40	6	51
1510d5.50	5.50	5.50	6	51
1510d5.60	5.60	5.60	6	51
1510d5.70	5.70	5.70	6	51
1510d5.80	5.80	5.80	6	51
1510d5.90	5.90	5.90	6	51
1510d6.00	6.00	6.00	6	51
1510d6.50	6.50	6.50	8	61
1510d7.00	7.00	7.00	8	61
1510d7.50	7.50	7.50	8	61
1510d8.00	8.00	8.00	8	61
1510d8.50	8.50	8.50	10	72
1510d9.00	9.00	9.00	10	72
1510d9.50	9.50	9.50	10	72
1510d10.00	10.00	10.00	10	72
1510d11.00	11.00	11.00	11	83
1510d12.00	12.00	12.00	12	83
1510d13.00	13.00	13.00	13	83
1510d14.00	14.00	14.00	14	83
1510d15.00	15.00	15.00	15	83
1510d16.00	16.00	16.00	16	92



1515

End mill Z3 $l_1=1.5 \times d_1$



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ $+0/-0.01$ D: h5
 $d_1 > 1 \text{ mm}$ ▶ $+0/-0.02$
 $d_1 = D$ ▶ $d_1: e8$

Z3

MG10

$ap=0.25 \times d_1$

N

$ae=0.5 \times d_1$
 $ap=0.5 \times d_1$

Art. n°	d_1	l_1	D	L
1515d0.30	0.30	0.45	3	38
1515d0.35	0.35	0.55	3	38
1515d0.40	0.40	0.60	3	38
1515d0.45	0.45	0.70	3	38
1515d0.50	0.50	0.75	3	38
1515d0.55	0.55	0.85	3	38
1515d0.60	0.60	0.90	3	38
1515d0.65	0.65	1.00	3	38
1515d0.70	0.70	1.05	3	38
1515d0.75	0.75	1.15	3	38
1515d0.80	0.80	1.20	3	38
1515d0.85	0.85	1.30	3	38
1515d0.90	0.90	1.35	3	38
1515d0.95	0.95	1.45	3	38
1515d1.00	1.00	1.50	3	38
1515d1.05	1.05	1.60	3	38
1515d1.10	1.10	1.65	3	38
1515d1.15	1.15	1.70	3	38
1515d1.20	1.20	1.80	3	38
1515d1.25	1.25	1.90	3	38
1515d1.30	1.30	1.95	3	38
1515d1.35	1.35	2.05	3	38
1515d1.40	1.40	2.10	3	38
1515d1.45	1.45	2.15	3	38
1515d1.50	1.50	2.25	3	38
1515d1.55	1.55	2.35	3	38
1515d1.60	1.60	2.40	3	38
1515d1.65	1.65	2.45	3	38
1515d1.70	1.70	2.55	3	38
1515d1.75	1.75	2.65	3	38

Art. n°	d_1	l_1	D	L
1515d1.80	1.80	2.70	3	38
1515d1.85	1.85	2.80	3	38
1515d1.90	1.90	2.85	3	38
1515d1.95	1.95	2.90	3	38
1515d2.00	2.00	3.00	3	38
1515d2.05	2.05	3.05	3	38
1515d2.10	2.10	3.15	3	38
1515d2.15	2.15	3.20	3	38
1515d2.20	2.20	3.30	3	38
1515d2.25	2.25	3.40	3	38
1515d2.30	2.30	3.45	3	38
1515d2.35	2.35	3.55	3	38
1515d2.40	2.40	3.60	3	38
1515d2.45	2.45	3.70	3	38
1515d2.50	2.50	3.75	3	38
1515d2.55	2.55	3.80	3	38
1515d2.60	2.60	3.90	3	38
1515d2.65	2.65	3.95	3	38
1515d2.70	2.70	4.05	3	38
1515d2.75	2.75	4.15	3	38
1515d2.80	2.80	4.20	3	38
1515d2.85	2.85	4.30	3	38
1515d2.90	2.90	4.35	3	38
1515d2.95	2.95	4.45	3	38
1515d3.00	3.00	4.50	6	51
1515d3.10	3.10	4.65	6	51
1515d3.20	3.20	4.80	6	51
1515d3.30	3.30	4.95	6	51
1515d3.40	3.40	5.10	6	51

End mill Z3 $l_1=1.5 \times d_1$

1515

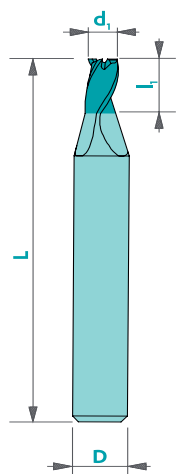
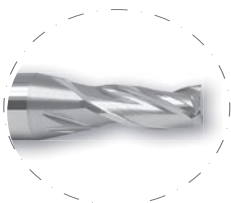
Continuation

Art. n°	d_1	l_1	D	L
1515d3.50	3.50	5.25	6	51
1515d3.60	3.60	5.40	6	51
1515d3.70	3.70	5.55	6	51
1515d3.80	3.80	5.70	6	51
1515d3.90	3.90	5.85	6	51
1515d4.00	4.00	6.00	6	51
1515d4.10	4.10	6.15	6	51
1515d4.20	4.20	6.30	6	51
1515d4.30	4.30	6.45	6	51
1515d4.40	4.40	6.60	6	51
1515d4.50	4.50	6.75	6	51
1515d4.60	4.60	6.90	6	51
1515d4.70	4.70	7.05	6	51
1515d4.80	4.80	7.20	6	51
1515d4.90	4.90	7.35	6	51
1515d5.00	5.00	7.50	6	51
1515d5.10	5.10	7.65	6	51
1515d5.20	5.20	7.80	6	51
1515d5.30	5.30	7.95	6	51
1515d5.40	5.40	8.10	6	51
1515d5.50	5.50	8.25	6	51
1515d5.60	5.60	8.40	6	51
1515d5.70	5.70	8.55	6	51
1515d5.80	5.80	8.70	6	51
1515d5.90	5.90	8.85	6	51
1515d6.00	6.00	9.00	6	51
1515d6.50	6.50	9.75	8	61
1515d7.00	7.00	10.50	8	61
1515d7.50	7.50	11.25	8	61
1515d8.00	8.00	12.00	8	61
1515d8.50	8.50	12.75	10	72
1515d9.00	9.00	13.50	10	72
1515d9.50	9.50	14.25	10	72
1515d10.00	10.00	15.00	10	72
1515d11.00	11.00	16.50	11	83
1515d12.00	12.00	18.00	12	83
1515d13.00	13.00	19.50	13	83
1515d14.00	14.00	21.00	14	83
1515d15.00	15.00	22.50	15	83
1515d16.00	16.00	24.00	16	92



	Z3
λ 30°	γ 8-10°
MG10	N
$ap=0.25 \times d_1$	$ae=0.5 \times d_1$ $ap=0.5 \times d_1$

1520

End mill Z3 $l_1=2xd_1$ 

Material

	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances

$d_1 \leq 1 \text{ mm}$ ▶ $+0/-0.01$ D: h5
 $d_1 > 1 \text{ mm}$ ▶ $+0/-0.02$
 $d_1 = D$ ▶ $d_1: e8$

Z3

λ 30°

γ 8-10°

MG10

N

ap=0.25xd₁

ae=0.5xd₁
ap=0.5xd₁

Art. n°	d ₁	l ₁	D	L
1520d0.30	0.30	0.60	3	38
1520d0.35	0.35	0.70	3	38
1520d0.40	0.40	0.80	3	38
1520d0.45	0.45	0.90	3	38
1520d0.50	0.50	1.00	3	38
1520d0.55	0.55	1.10	3	38
1520d0.60	0.60	1.20	3	38
1520d0.65	0.65	1.30	3	38
1520d0.70	0.70	1.40	3	38
1520d0.75	0.75	1.50	3	38
1520d0.80	0.80	1.60	3	38
1520d0.85	0.85	1.70	3	38
1520d0.90	0.90	1.80	3	38
1520d0.95	0.95	1.90	3	38
1520d1.00	1.00	2.00	3	38
1520d1.05	1.05	2.10	3	38
1520d1.10	1.10	2.20	3	38
1520d1.15	1.15	2.30	3	38
1520d1.20	1.20	2.40	3	38
1520d1.25	1.25	2.50	3	38
1520d1.30	1.30	2.60	3	38
1520d1.35	1.35	2.70	3	38
1520d1.40	1.40	2.80	3	38
1520d1.45	1.45	2.90	3	38
1520d1.50	1.50	3.00	3	38
1520d1.55	1.55	3.10	3	38
1520d1.60	1.60	3.20	3	38
1520d1.65	1.65	3.30	3	38
1520d1.70	1.70	3.40	3	38
1520d1.75	1.75	3.50	3	38

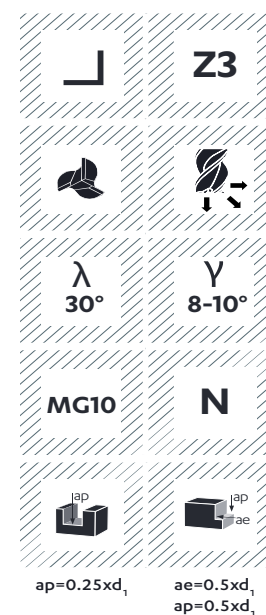
Art. n°	d ₁	l ₁	D	L
1520d1.80	1.80	3.60	3	38
1520d1.85	1.85	3.70	3	38
1520d1.90	1.90	3.80	3	38
1520d1.95	1.95	3.90	3	38
1520d2.00	2.00	4.00	3	38
1520d2.05	2.05	4.10	3	38
1520d2.10	2.10	4.20	3	38
1520d2.15	2.15	4.30	3	38
1520d2.20	2.20	4.40	3	38
1520d2.25	2.25	4.50	3	38
1520d2.30	2.30	4.60	3	38
1520d2.35	2.35	4.70	3	38
1520d2.40	2.40	4.80	3	38
1520d2.45	2.45	4.90	3	38
1520d2.50	2.50	5.00	3	38
1520d2.55	2.55	5.10	3	38
1520d2.60	2.60	5.20	3	38
1520d2.65	2.65	5.30	3	38
1520d2.70	2.70	5.40	3	38
1520d2.75	2.75	5.50	3	38
1520d2.80	2.80	5.60	3	38
1520d2.85	2.85	5.70	3	38
1520d2.90	2.90	5.80	3	38
1520d2.95	2.95	5.90	3	38
1520d3.00	3.00	6.00	6	51
1520d3.10	3.10	6.20	6	51
1520d3.20	3.20	6.40	6	51
1520d3.30	3.30	6.60	6	51
1520d3.40	3.40	6.80	6	51

End mill Z3 $l_1=2xd_1$

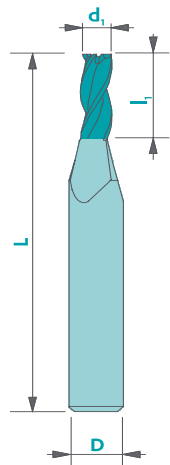
1520

Continuation

Art. n°	d_1	l_1	D	L
1520d3.50	3.50	7.00	6	51
1520d3.60	3.60	7.20	6	51
1520d3.70	3.70	7.40	6	51
1520d3.80	3.80	7.60	6	51
1520d3.90	3.90	7.80	6	51
1520d4.00	4.00	8.00	6	51
1520d4.10	4.10	8.20	6	51
1520d4.20	4.20	8.40	6	51
1520d4.30	4.30	8.60	6	51
1520d4.40	4.40	8.80	6	51
1520d4.50	4.50	9.00	6	51
1520d4.60	4.60	9.20	6	51
1520d4.70	4.70	9.40	6	51
1520d4.80	4.80	9.60	6	51
1520d4.90	4.90	9.80	6	51
1520d5.00	5.00	10.00	6	51
1520d5.10	5.10	10.20	6	51
1520d5.20	5.20	10.40	6	51
1520d5.30	5.30	10.60	6	51
1520d5.40	5.40	10.80	6	51
1520d5.50	5.50	11.00	6	51
1520d5.60	5.60	11.20	6	51
1520d5.70	5.70	11.40	6	51
1520d5.80	5.80	11.60	6	51
1520d5.90	5.90	11.80	6	51
1520d6.00	6.00	12.00	6	51
1520d6.50	6.50	13.00	8	51
1520d7.00	7.00	14.00	8	61
1520d7.50	7.50	15.00	8	61
1520d8.00	8.00	16.00	8	61
1520d8.50	8.50	17.00	10	72
1520d9.00	9.00	18.00	10	72
1520d9.50	9.50	19.00	10	72
1520d10.00	10.00	20.00	10	72
1520d11.00	11.00	22.00	11	83
1520d12.00	12.00	24.00	12	83
1520d13.00	13.00	26.00	13	83
1520d14.00	14.00	28.00	14	83
1520d15.00	15.00	30.00	15	83
1520d16.00	16.00	32.00	16	92



1530

End mill Z3 $l_1=3xd_1$ 

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$

Z3

λ
30°

MG10

$ap=0.25xd_1$

γ
8-10°

N

$ap=0.5xd_1$
 $ae=0.5xd_1$

Art. n°	d_1	l_1	D	L
1530d0.50	0.50	1.50	3	38
1530d0.55	0.55	1.65	3	38
1530d0.60	0.60	1.80	3	38
1530d0.65	0.65	1.95	3	38
1530d0.70	0.70	2.10	3	38
1530d0.75	0.75	2.25	3	38
1530d0.80	0.80	2.40	3	38
1530d0.85	0.85	2.55	3	38
1530d0.90	0.90	2.70	3	38
1530d0.95	0.95	2.85	3	38
1530d1.00	1.00	3.00	3	38
1530d1.05	1.05	3.15	3	38
1530d1.10	1.10	3.30	3	38
1530d1.15	1.15	3.45	3	38
1530d1.20	1.20	3.60	3	38
1530d1.25	1.25	3.75	3	38
1530d1.30	1.30	3.90	3	38
1530d1.35	1.35	4.05	3	38
1530d1.40	1.40	4.20	3	38
1530d1.45	1.45	4.35	3	38
1530d1.50	1.50	4.50	3	38
1530d1.55	1.55	4.65	3	38
1530d1.60	1.60	4.80	3	38
1530d1.65	1.65	4.95	3	38
1530d1.70	1.70	5.10	3	38
1530d1.75	1.75	5.25	3	38
1530d1.80	1.80	5.40	3	38
1530d1.85	1.85	5.55	3	38
1530d1.90	1.90	5.70	3	38
1530d1.95	1.95	5.85	3	38

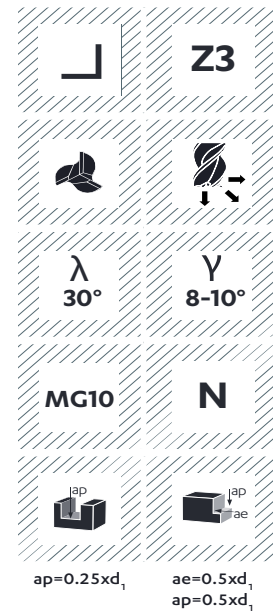
Art. n°	d_1	l_1	D	L
1530d2.00	2.00	6.00	3	38
1530d2.05	2.05	6.15	3	38
1530d2.10	2.10	6.30	3	38
1530d2.15	2.15	6.45	3	38
1530d2.20	2.20	6.60	3	38
1530d2.25	2.25	6.75	3	38
1530d2.30	2.30	6.90	3	38
1530d2.35	2.35	7.05	3	38
1530d2.40	2.40	7.20	3	38
1530d2.45	2.45	7.35	3	38
1530d2.50	2.50	7.50	3	38
1530d2.55	2.55	7.65	3	38
1530d2.60	2.60	7.80	3	38
1530d2.65	2.65	7.95	3	38
1530d2.70	2.70	8.10	3	38
1530d2.75	2.75	8.25	3	38
1530d2.80	2.80	8.40	3	38
1530d2.85	2.85	8.55	3	38
1530d2.90	2.90	8.70	3	38
1530d2.95	2.95	8.85	3	38
1530d3.00	3.00	9.00	6	51
1530d3.10	3.10	9.30	6	51
1530d3.20	3.20	9.60	6	51
1530d3.30	3.30	9.90	6	51
1530d3.40	3.40	10.20	6	51
1530d3.50	3.50	10.50	6	51
1530d3.60	3.60	10.80	6	51
1530d3.70	3.70	11.10	6	51
1530d3.80	3.80	11.40	6	51

End mill Z3 $l_1=3 \times d_1$

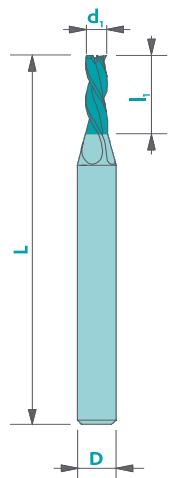
1530

Continuation

Art. n°	d_1	l_1	D	L
1530d3.90	3.90	11.70	6	51
1530d4.00	4.00	12.00	6	51
1530d4.10	4.10	12.30	6	51
1530d4.20	4.20	12.60	6	51
1530d4.30	4.30	12.90	6	51
1530d4.40	4.40	13.20	6	51
1530d4.50	4.50	13.50	6	51
1530d4.60	4.60	13.80	6	51
1530d4.70	4.70	14.10	6	51
1530d4.80	4.80	14.40	6	51
1530d4.90	4.90	14.70	6	51
1530d5.00	5.00	15.00	6	51
1530d5.10	5.10	15.30	6	51
1530d5.20	5.20	15.60	6	51
1530d5.30	5.30	15.90	6	51
1530d5.40	5.40	16.20	6	51
1530d5.50	5.50	16.50	6	51
1530d5.60	5.60	16.80	6	51
1530d5.70	5.70	17.10	6	51
1530d5.80	5.80	17.40	6	51
1530d5.90	5.90	17.70	6	51
1530d6.00	6.00	18.00	6	51
1530d6.50	6.50	19.50	8	51
1530d7.00	7.00	21.00	8	61
1530d7.50	7.50	22.50	8	61
1530d8.00	8.00	24.00	8	61
1530d8.50	8.50	25.50	10	72
1530d9.00	9.00	27.00	10	72
1530d9.50	9.50	28.50	10	72
1530d10.00	10.00	30.00	10	72
1530d11.00	11.00	33.00	11	83
1530d12.00	12.00	36.00	12	83
1530d13.00	13.00	39.00	13	83
1530d14.00	14.00	42.00	14	92
1530d15.00	15.00	45.00	15	92
1530d16.00	16.00	48.00	16	104



1540

End mill Z3 $l_1=4xd_1$ 

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$

	Z3
λ 30°	γ 8-10°
MG10	N
$ap=0.25xd_1$	$ae=0.5xd_1$ $ap=0.5xd_1$

Art. n°	d_1	l_1	D	L
1540d0.50	0.50	2.0	3	51
1540d0.55	0.55	2.2	3	51
1540d0.60	0.60	2.4	3	51
1540d0.65	0.65	2.6	3	51
1540d0.70	0.70	2.8	3	51
1540d0.75	0.75	3.0	3	51
1540d0.80	0.80	3.2	3	51
1540d0.85	0.85	3.4	3	51
1540d0.90	0.90	3.6	3	51
1540d0.95	0.95	3.8	3	51
1540d1.00	1.00	4.0	3	51
1540d1.05	1.05	4.2	3	51
1540d1.10	1.10	4.4	3	51
1540d1.15	1.15	4.6	3	51
1540d1.20	1.20	4.8	3	51
1540d1.25	1.25	5.0	3	51
1540d1.30	1.30	5.2	3	51
1540d1.35	1.35	5.4	3	51
1540d1.40	1.40	5.6	3	51
1540d1.45	1.45	5.8	3	51
1540d1.50	1.50	6.0	3	51
1540d1.55	1.55	6.2	3	51
1540d1.60	1.60	6.4	3	51
1540d1.65	1.65	6.6	3	51
1540d1.70	1.70	6.8	3	51
1540d1.75	1.75	7.0	3	51
1540d1.80	1.80	7.2	3	51
1540d1.85	1.85	7.4	3	51
1540d1.90	1.90	7.6	3	51
1540d1.95	1.95	7.8	3	51

Art. n°	d_1	l_1	D	L
1540d2.00	2.00	8.0	3	51
1540d2.05	2.05	8.2	3	51
1540d2.10	2.10	8.4	3	51
1540d2.15	2.15	8.6	3	51
1540d2.20	2.20	8.8	3	51
1540d2.25	2.25	9.0	3	51
1540d2.30	2.30	9.2	3	51
1540d2.35	2.35	9.4	3	51
1540d2.40	2.40	9.6	3	51
1540d2.45	2.45	9.8	3	51
1540d2.50	2.50	10.0	3	51
1540d2.55	2.55	10.2	3	51
1540d2.60	2.60	10.4	3	51
1540d2.65	2.65	10.6	3	51
1540d2.70	2.70	10.8	3	51
1540d2.75	2.75	11.0	3	51
1540d2.80	2.80	11.2	3	51
1540d2.85	2.85	11.4	3	51
1540d2.90	2.90	11.6	3	51
1540d2.95	2.95	11.8	3	51
1540d3.00	3.00	12.0	6	51
1540d3.10	3.10	12.4	6	51
1540d3.20	3.20	12.8	6	51
1540d3.30	3.30	13.2	6	51
1540d3.40	3.40	13.6	6	51
1540d3.50	3.50	14.0	6	51
1540d3.60	3.60	14.4	6	51
1540d3.70	3.70	14.8	6	51
1540d3.80	3.80	15.2	6	51



End mill Z3 $l_1=4 \times d_1$

1540

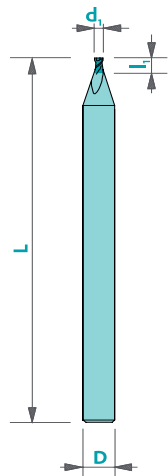
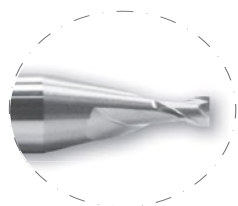
Continuation

Art. n°	d_1	l_1	D	L
1540d3.90	3.90	15.6	6	51
1540d4.00	4.00	16.0	6	51
1540d4.10	4.10	16.4	6	51
1540d4.20	4.20	16.8	6	51
1540d4.30	4.30	17.2	6	51
1540d4.40	4.40	17.6	6	51
1540d4.50	4.50	18.0	6	51
1540d4.60	4.60	18.4	6	51
1540d4.70	4.70	18.8	6	51
1540d4.80	4.80	19.2	6	51
1540d4.90	4.90	19.6	6	51
1540d5.00	5.00	20.0	6	57
1540d5.10	5.10	20.4	6	57
1540d5.20	5.20	20.8	6	57
1540d5.30	5.30	21.2	6	57
1540d5.40	5.40	21.6	6	57
1540d5.50	5.50	22.0	6	57
1540d5.60	5.60	22.4	6	57
1540d5.70	5.70	22.8	6	57
1540d5.80	5.80	23.2	6	57
1540d5.90	5.90	23.6	6	57
1540d6.00	6.00	24.0	6	57
1540d6.50	6.50	26.0	8	72
1540d7.00	7.00	28.0	8	72
1540d7.50	7.50	30.0	8	72
1540d8.00	8.00	32.0	8	72
1540d8.50	8.50	34.0	10	92
1540d9.00	9.00	36.0	10	92
1540d9.50	9.50	38.0	10	92
1540d10.00	10.00	40.0	10	92
1540d11.00	11.00	44.0	11	92
1540d12.00	12.00	48.0	12	104
1540d13.00	13.00	52.0	13	104
1540d14.00	14.00	56.0	14	120
1540d15.00	15.00	60.0	15	130
1540d16.00	16.00	64.0	16	130



	Z3
λ 30°	γ 8-10°
MG10	N
$ap=0.25 \times d_1$	$ae=0.5 \times d_1$ $ap=0.5 \times d_1$

Micro end mill Z2 $l_1=1xd_1$



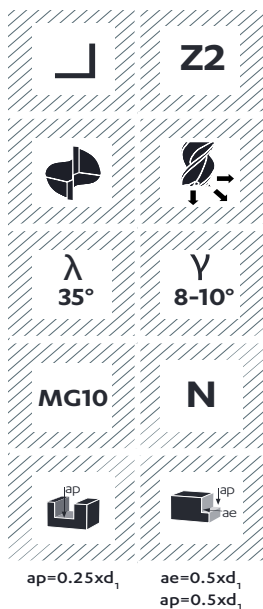
Material

	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances

$d_1 \leq 1$ mm: $+0/-0.01$
 $d_1 > 1$ mm: $+0/-0.02$
 D: h5

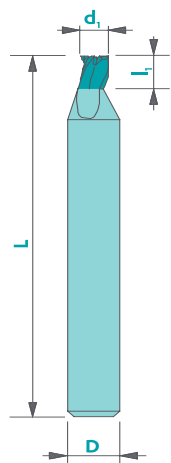


Art. n°	d_1	l_1	D	L
1210d0.04	0.04	0.04	3	38
1210d0.05	0.05	0.05	3	38
1210d0.06	0.06	0.06	3	38
1210d0.07	0.07	0.07	3	38
1210d0.08	0.08	0.08	3	38
1210d0.09	0.09	0.09	3	38
1210d0.10	0.10	0.10	3	38
1210d0.12	0.12	0.12	3	38
1210d0.15	0.15	0.15	3	38
1210d0.20	0.20	0.20	3	38
1210d0.25	0.25	0.25	3	38
1210d0.30	0.30	0.30	3	38
1210d0.35	0.35	0.35	3	38
1210d0.40	0.40	0.40	3	38
1210d0.45	0.45	0.45	3	38
1210d0.50	0.50	0.50	3	38
1210d0.55	0.55	0.55	3	38
1210d0.60	0.60	0.60	3	38
1210d0.65	0.65	0.65	3	38
1210d0.70	0.70	0.70	3	38
1210d0.75	0.75	0.75	3	38
1210d0.80	0.80	0.80	3	38
1210d0.85	0.85	0.85	3	38
1210d0.90	0.90	0.90	3	38
1210d0.95	0.95	0.95	3	38
1210d1.00	1.00	1.00	3	38
1210d1.05	1.05	1.05	3	38
1210d1.10	1.10	1.10	3	38
1210d1.15	1.15	1.15	3	38
1210d1.20	1.20	1.20	3	38

Art. n°	d_1	l_1	D	L
1210d1.25	1.25	1.25	3	38
1210d1.30	1.30	1.30	3	38
1210d1.35	1.35	1.35	3	38
1210d1.40	1.40	1.40	3	38
1210d1.45	1.45	1.45	3	38
1210d1.50	1.50	1.50	3	38
1210d1.55	1.55	1.55	3	38
1210d1.60	1.60	1.60	3	38
1210d1.65	1.65	1.65	3	38
1210d1.70	1.70	1.70	3	38
1210d1.75	1.75	1.75	3	38
1210d1.80	1.80	1.80	3	38
1210d1.85	1.85	1.85	3	38
1210d1.90	1.90	1.90	3	38
1210d1.95	1.95	1.95	3	38
1210d2.00	2.00	2.00	3	38
1210d2.10	2.10	2.10	3	38
1210d2.20	2.20	2.20	3	38
1210d2.30	2.30	2.30	3	38
1210d2.40	2.40	2.40	3	38
1210d2.50	2.50	2.50	3	38
1210d2.60	2.60	2.60	3	38
1210d2.70	2.70	2.70	3	38
1210d2.80	2.80	2.80	3	38
1210d2.90	2.90	2.90	3	38

Short end mill Z3

103-0



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 D: h5
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$



Art. n°	d_1	l_1	D	L
103-0d1.00	1.00	2.0	4	38
103-0d1.05	1.05	2.0	4	38
103-0d1.10	1.10	2.0	4	38
103-0d1.15	1.15	3.0	4	38
103-0d1.20	1.20	3.0	4	38
103-0d1.25	1.25	3.0	4	38
103-0d1.30	1.30	3.0	4	38
103-0d1.35	1.35	3.0	4	38
103-0d1.40	1.40	3.0	4	38
103-0d1.45	1.45	3.0	4	38
103-0d1.50	1.50	3.0	4	38
103-0d1.55	1.55	3.0	4	38
103-0d1.60	1.60	3.0	4	38
103-0d1.65	1.65	3.0	4	38
103-0d1.70	1.70	3.0	4	38
103-0d1.75	1.75	3.0	4	38
103-0d1.80	1.80	3.0	4	38
103-0d1.85	1.85	3.0	4	38
103-0d1.90	1.90	3.0	4	38
103-0d1.95	1.95	3.0	4	38
103-0d2.00	2.00	3.0	4	38
103-0d2.05	2.05	3.0	4	38
103-0d2.10	2.10	3.0	4	38
103-0d2.15	2.15	3.0	4	38
103-0d2.20	2.20	3.0	4	38
103-0d2.25	2.25	3.0	4	38
103-0d2.30	2.30	3.0	4	38
103-0d2.35	2.35	3.0	4	38
103-0d2.40	2.40	3.0	4	38

Art. n°	d_1	l_1	D	L
103-0d2.45	2.45	3.0	4	38
103-0d2.50	2.50	3.0	4	38
103-0d2.55	2.55	4.0	4	38
103-0d2.60	2.60	4.0	4	38
103-0d2.65	2.65	4.0	4	38
103-0d2.70	2.70	4.0	4	38
103-0d2.75	2.75	4.0	4	38
103-0d2.80	2.80	4.0	4	38
103-0d2.85	2.85	4.0	4	38
103-0d2.90	2.90	4.0	4	38
103-0d2.95	2.95	4.0	4	38
103-0d3.00	3.00	4.0	4	38
103-0d3.50	3.50	4.0	4	38
103-0d4.00	4.00	4.0	6	51
103-0d4.50	4.50	4.0	6	51
103-0d5.00	5.00	6.0	6	51
103-0d5.50	5.50	6.0	6	51
103-0d6.00	6.00	8.0	6	51
103-0d7.00	7.00	8.0	7	61
103-0d8.00	8.00	10.0	8	61
103-0d9.00	9.00	12.0	9	61
103-0d10.00	10.00	15.0	10	72



1620

End mill Z4 - variable helix & pitch

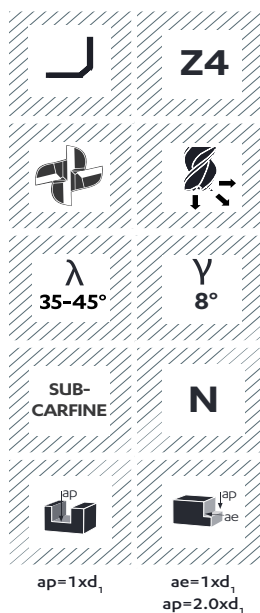
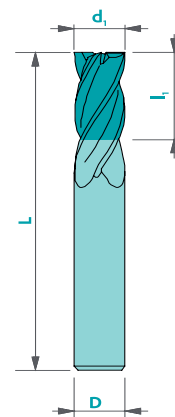


Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	100	130	□	■	Trio
Steel > 700 N/mm ²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm} \rightarrow +0/-0.01$
 $d_1 > 1 \text{ mm} \rightarrow +0/-0.02$
 $d_1 = D \rightarrow d_1: e8$

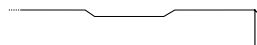
D: h5



Art. n°	d_1	l_1	J	D	L
1620d1.00	1.0	2	0.02	6	51
1620d1.50	1.5	3	0.02	6	51
1620d2.00	2.0	4	0.02	6	51
1620d2.50	2.5	5	0.02	6	51
1620d3.00	3.0	6	0.02	6	51
1620d3.50	3.5	7	0.03	6	51
1620d4.00	4.0	8	0.03	6	51
1620d5.00	5.0	10	0.04	6	51
1620d6.00	6.0	12	0.05	6	51
1620d8.00	8.0	16	0.05	8	61
1620d10.00	10.0	20	0.05	10	72
1620d12.00	12.0	24	0.05	12	83
1620d14.00	14.0	28	0.06	14	83
1620d16.00	16.0	32	0.06	16	92

Ø1 and 1.5 to be used only for peripheral milling and not for grooving

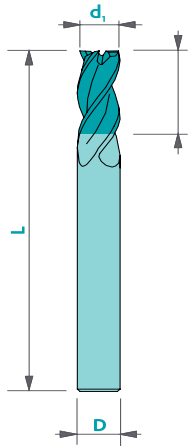
Option: Weldon flat



Upon request : Z6

End mill Z3 - variable helix & pitch

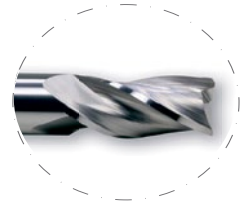
1621



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	100	130	□	■	Trio
Steel > 700 N/mm²	80	100	-	■	Trio
Stainless steel	50	70	□	■	Trio
Cast iron	60	100	□	■	Trio
Copper	150	180	□	■	Solo
Brass - Bronze	140	190	■	□	Solo
Aluminium	200	350	□	■	Rico/Solo
Gold - Silver	140	180	■	□	Solo
Platinum - Palladium	-	35	-	□	Solo
Superalloy	-	40	-	■	Trio
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted □ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm} \rightarrow +0/-0.01$
 $d_1 > 1 \text{ mm} \rightarrow +0/-0.02$
 $d_1 = D \rightarrow d_1: e8$
 D: h5



Art. n°	d_1	l_1	λ	D	L
1621d1.00	1.0	2	0.02	6	51
1621d1.50	1.5	3	0.02	6	51
1621d2.00	2.0	4	0.02	6	51
1621d2.50	2.5	5	0.02	6	51
1621d3.00	3.0	6	0.02	6	51
1621d3.50	3.5	7	0.03	6	51
1621d4.00	4.0	8	0.03	6	51
1621d5.00	5.0	10	0.04	6	51
1621d6.00	6.0	12	0.05	6	51
1621d8.00	8.0	16	0.05	8	61
1621d10.00	10.0	20	0.05	10	72
1621d12.00	12.0	24	0.05	12	83
1621d14.00	14.0	28	0.06	14	83
1621d16.00	16.0	32	0.06	16	92

Z3

Y 8°

λ
35-45°

SUB-CARFINE

N

$ap = 1 \times d_1$

$ae = 1 \times d_1$
 $ap = 2.0 \times d_1$

Ø1 and 1.5 to be used only for peripheral milling and not for grooving

Option: Weldon flat

1820

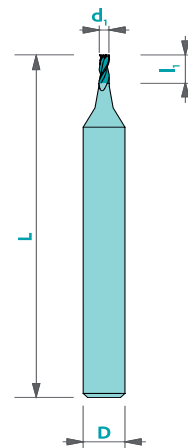
EXPERT end mill for brass



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	-	-	-	-	-
Steel > 700 N/mm²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	140	190	■	■	DLC
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerance $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02



Art. n°	d_1	L	D	L
1820d0.50	0.50	1.00	4	38
1820d0.80	0.80	1.60	4	38
1820d1.00	1.00	2.00	4	38
1820d1.50	1.50	3.00	4	38
1820d2.00	2.00	4.00	4	38
1820d3.00	3.00	5.00	4	38

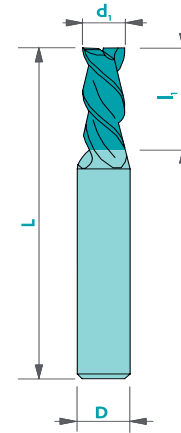
HSC end mill for stainless steel - sharp edge

3000

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	50	70	■	■	Trio
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

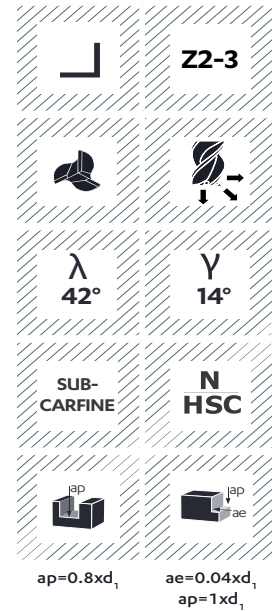
not adapted - adapted ■ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$
 D: h5

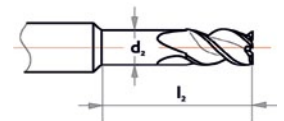


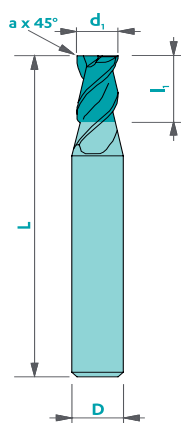
Art. n°	d_1	l_1	D	L	Z
3000d0.30	0.3	0.6	6	57	2
3000d0.40	0.4	0.8	6	57	2
3000d0.50	0.5	1.0	6	57	2
3000d0.60	0.6	1.2	6	57	2
3000d0.70	0.7	1.4	6	57	2
3000d0.80	0.8	1.6	6	57	2
3000d0.90	0.9	1.8	6	57	2
3000d1.00	1.0	2.0	6	57	2
3000d1.10	1.1	2.2	6	57	2
3000d1.20	1.2	2.4	6	57	2
3000d1.30	1.3	2.6	6	57	2
3000d1.40	1.4	2.8	6	57	2
3000d1.50	1.5	3.0	6	57	2
3000d1.60	1.6	3.2	6	57	2
3000d1.70	1.7	3.4	6	57	2
3000d1.80	1.8	3.6	6	57	2
3000d1.90	1.9	3.8	6	57	2
3000d2.00	2.0	4.0	6	57	3
3000d2.10	2.1	4.2	6	57	3
3000d2.20	2.2	4.4	6	57	3
3000d2.30	2.3	4.6	6	57	3
3000d2.40	2.4	4.8	6	57	3
3000d2.50	2.5	5.0	6	57	3
3000d3.00	3.0	6.0	6	57	3
3000d3.50	3.5	7.0	6	57	3
3000d4.00	4.0	8.0	6	57	3

Art. n°	d_1	l_1	D	L	Z
3000d5.00	5.0	10.0	6	57	3
3000d6.00	6.0	12.0	8	63	3
3000d8.00	8.0	16.0	10	72	3
3000d10.00	10.0	20.0	10	72	3



Upon request





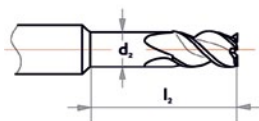
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	50	70	■	■	Trio
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm} \rightarrow +0/-0.01$ $D: h5$
 $d_1 > 1 \text{ mm} \rightarrow +0/-0.02$
 $d_1 = D \rightarrow d_1: e8$

45° 0.02-0.15	Z2-4
λ 42°	γ 14°
SUB-CARFINE	N HSC
$ap = 0.8 \times d_1$	$ae = 0.04 \times d_1$ $ap = 1 \times d_1$

Upon request



Art. n°	d_1	l_1	D	L	a	Z
3010d0.50	0.5	0.75	6	57	0.02	2
3010d0.60	0.6	0.90	6	57	0.02	2
3010d0.70	0.7	1.05	6	57	0.02	2
3010d0.80	0.8	1.20	6	57	0.03	2
3010d0.90	0.9	1.35	6	57	0.03	2
3010d1.00	1.0	1.50	6	57	0.03	2
3010d1.50	1.5	2.30	6	57	0.03	2
3010d2.00	2.0	3.00	6	57	0.03	3
3010d2.50	2.5	3.80	6	57	0.05	3
3010d3.00	3.0	4.50	6	57	0.06	3
3010d4.00	4.0	6.00	6	57	0.06	3
3010d5.00	5.0	8.00	6	57	0.08	3
3010d6.00	6.0	9.00	8	63	0.08	3
3010d8.00	8.0	12.00	10	72	0.10	3
3010d10.00	10.0	15.00	10	72	0.10	4
3010d12.00	12.0	18.00	12	83	0.15	4

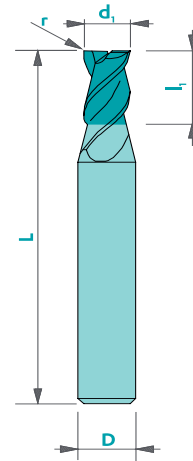
HSC end mill for stainless steel - toric

3020

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	50	70	■	■	Trio
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$
 D: h5
 +0/-0.01



Art. n°	d_1	l_1	D	L	r	Z
3020d1.00	1.0	1.5	6	57	0.10	3
3020d1.50	1.5	2.3	6	57	0.10	3
3020d2.00	2.0	3.0	6	57	0.15	3
3020d2.50	2.5	3.8	6	57	0.15	3
3020d2.80	2.8	4.2	6	57	0.15	3
3020d3.00	3.0	4.5	6	57	0.15	3
3020d3.50	3.5	5.3	6	57	0.20	3
3020d4.00	4.0	6.0	6	57	0.20	3
3020d4.50	4.5	7.0	6	57	0.20	3
3020d5.00	5.0	8.0	6	57	0.20	3
3020d6.00	6.0	9.0	8	63	0.20	3
3020d8.00	8.0	12.0	10	72	0.30	3
3020d10.00	10.0	15.0	10	72	0.30	4
3020d12.00	12.0	18.0	12	83	0.30	4
3020d16.00	16.0	24.0	16	92	0.30	5



Z3-5



λ
42°

SUB-CARFINE



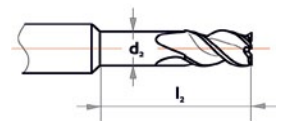
γ
14°

N HSC

$ap = 0.8 \times d_1$

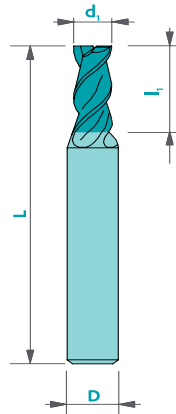
$ae = 0.04 \times d_1$
 $ap = 1 \times d_1$

Upon request



3100

HSC end mill for titanium - sharp edge



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	40	60	■	■	Rico/Trio

not adapted - adapted ■ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$ D: h5

Z3-4

λ 45°

SUB-CARFINE

ap=1xd₁

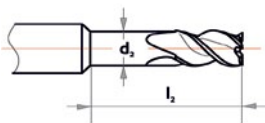
N HSC

Y 14°

ae=0.10xd₁

ap=1xd₁

Upon request



Art. n°	d ₁	L ₁	D	L	Z
3100d0.50	0.5	1.0	6	57	3
3100d0.60	0.6	1.2	6	57	3
3100d0.70	0.7	1.4	6	57	3
3100d0.80	0.8	1.6	6	57	3
3100d0.90	0.9	1.8	6	57	3
3100d1.00	1.0	2.0	6	57	3
3100d1.10	1.1	2.2	6	57	3
3100d1.20	1.2	2.4	6	57	3
3100d1.30	1.3	2.6	6	57	3
3100d1.40	1.4	2.8	6	57	3
3100d1.50	1.5	3.0	6	57	3
3100d1.60	1.6	3.2	6	57	3
3100d1.70	1.7	3.4	6	57	3
3100d1.80	1.8	3.6	6	57	3
3100d1.90	1.9	3.8	6	57	3
3100d2.00	2.0	4.0	6	57	3
3100d2.10	2.1	4.2	6	57	3
3100d2.20	2.2	4.4	6	57	3
3100d2.30	2.3	4.6	6	57	3
3100d2.40	2.4	4.8	6	57	3
3100d2.50	2.5	5.0	6	57	3
3100d2.60	2.6	5.2	6	57	3
3100d2.70	2.7	5.4	6	57	3
3100d2.80	2.8	5.6	6	57	3
3100d2.90	2.9	5.8	6	57	3
3100d3.00	3.0	6.0	6	57	3

Art. n°	d ₁	L ₁	D	L	Z
3100d3.50	3.5	7.0	6	57	3
3100d4.00	4.0	8.0	6	57	3
3100d5.00	5.0	10.0	6	57	3
3100d6.00	6.0	12.0	8	63	3
3100d8.00	8.0	16.0	8	63	3
3100d10.00	10.0	20.0	10	72	4
3100d12.00	12.0	24.0	12	83	4

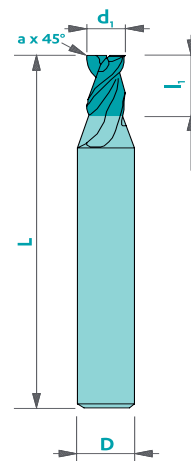
HSC end mill for copper, alloys and precious metals - corner angle

3200

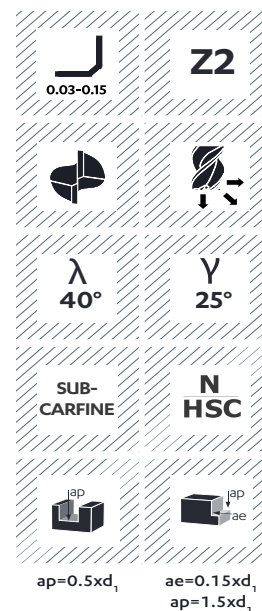
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	170	500	□	■	Solo
Brass - Bronze	160	500	□	■	Solo
Aluminium	280	600	□	■	Rico
Gold - Silver	160	300	□	■	Solo
Platinum - Palladium	-	-	-	-	-
Superalloy	300	800	□	■	Rico
Titanium	-	-	-	-	-

not adapted - adapted □ highly adapted ■

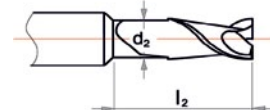
Tolerances
 $d_1 \leq 1 \text{ mm} \rightarrow +0/-0.01$
 $d_1 > 1 \text{ mm} \rightarrow +0/-0.02$
 $d_1 = D \rightarrow d_1: e8$
 D: h5



Art. n°	d_1	l_1	D	L	a
3200d0.50	0.5	1.0	6	57	0.03
3200d1.00	1.0	2.0	6	57	0.03
3200d1.50	1.5	3.0	6	57	0.04
3200d2.00	2.0	4.0	6	57	0.04
3200d2.50	2.5	5.0	6	57	0.04
3200d3.00	3.0	6.0	6	57	0.04
3200d3.50	3.5	7.0	6	57	0.05
3200d4.00	4.0	8.0	6	57	0.05
3200d5.00	5.0	10.0	6	57	0.05
3200d6.00	6.0	12.0	6	57	0.07
3200d8.00	8.0	16.0	8	63	0.07
3200d10.00	10.0	20.0	10	72	0.10
3200d12.00	12.0	24.0	12	83	0.15

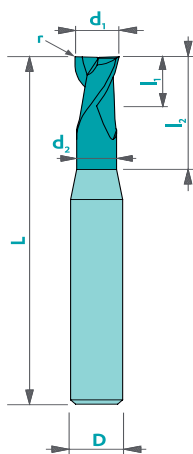


Upon request



3210

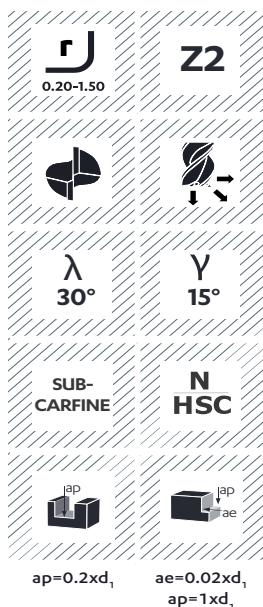
HSC end mill for copper, alloys and precious metals - toric



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	-	-	-	-	-
Steel > 700 N/mm²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	170	500	□	■	Solo
Brass - Bronze	160	500	□	■	Solo
Aluminium	280	600	□	■	Rico
Gold - Silver	160	300	□	■	Solo
Platinum - Palladium	-	-	-	-	-
Superalloy	300	800	□	■	Rico
Titanium	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ $+0/-0.01$ $d_2: +0/-0.2$ D: h5
 $d_1 > 1 \text{ mm}$ ▶ $+0/-0.02$ $l_2: +/- 0.2$ $\text{C} 0.01$
 $d_1 = D$ ▶ $d_1: e8$



Art. n°	d_1	l_1	d_2	l_2	D	L	r
3210d1.00	1.0	1.0	0.95	3.0	6	57	0.20
3210d1.50	1.5	1.5	1.45	5.0	6	57	0.25
3210d2.00	2.0	3.0	1.95	6.0	6	57	0.30
3210d2.50	2.5	3.0	2.45	7.0	6	57	0.30
3210d3.00	3.0	4.0	2.80	9.0	6	57	0.50
3210d3.50	3.5	4.0	3.30	12.0	6	57	0.50
3210d4.00	4.0	5.0	3.70	13.5	6	57	0.50
3210d5.00	5.0	6.0	4.60	15.0	6	57	0.50
3210d6.00	6.0	7.0	5.50	20.0	6	57	1.00
3210d8.00	8.0	9.0	7.40	26.0	8	63	1.00
3210d10.00	10.0	11.0	9.20	31.0	10	72	1.50
3210d12.00	12.0	13.0	11.00	37.0	12	83	1.50

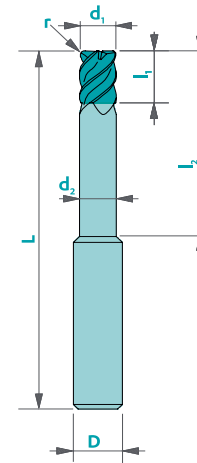
HSC end mill for steel ≤ 65 HRC - toric

3310

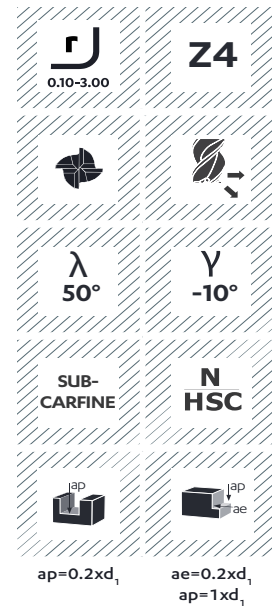
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	-	-	-	-	-
Steel > 700 N/mm²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Cast iron	50	170	□	■	TiAlN
Tempered steel	50	170	□	■	TiAlN
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$
 D: h5
 0.01

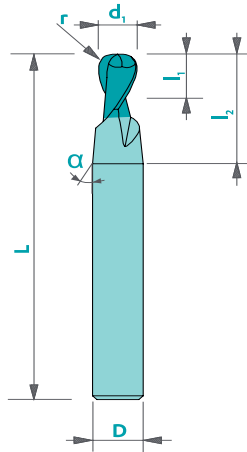


Art. n°	d_1	l_1	d_2	l_2	D	L	r
3310d1.00r0.10	1.0	1.5	0.95	6.0	6	57	0.10
3310d1.50r0.10	1.5	2.2	1.45	8.0	6	57	0.10
3310d2.00r0.10	2.0	3.0	1.95	10.0	6	57	0.10
3310d3.00r0.15	3.0	4.5	2.90	16.0	6	57	0.15
3310d3.50r0.15	3.5	5.2	3.30	18.0	6	57	0.15
3310d4.00r0.25	4.0	6.0	3.70	20.0	6	57	0.25
3310d4.50r0.25	4.5	6.7	4.20	20.0	6	57	0.25
3310d5.00r0.25	5.0	7.5	4.60	26.0	6	57	0.25
3310d6.00r0.50	6.0	9.0	5.50	32.0	8	63	0.50
3310d6.00r0.80	6.0	9.0	5.50	32.0	8	63	0.80
3310d6.00r1.00	6.0	9.0	5.50	32.0	8	63	1.00
3310d6.00r1.50	6.0	9.0	5.50	32.0	8	63	1.50
3310d8.00r0.50	8.0	12.0	7.40	32.0	8	63	0.50
3310d8.00r1.00	8.0	12.0	7.40	32.0	8	63	1.00
3310d8.00r1.50	8.0	12.0	7.40	32.0	8	63	1.50
3310d8.00r2.00	8.0	12.0	7.40	32.0	8	63	2.00
3310d10.00r1.00	10.0	15.0	9.20	40.0	10	72	1.00
3310d10.00r1.50	10.0	15.0	9.20	40.0	10	72	1.50
3310d10.00r2.00	10.0	15.0	9.20	40.0	10	72	2.00
3310d10.00r2.50	10.0	15.0	9.20	40.0	10	72	2.50
3310d12.00r1.00	12.0	18.0	11.00	40.0	12	83	1.00
3310d12.00r1.50	12.0	18.0	11.00	40.0	12	83	1.50
3310d12.00r2.00	12.0	18.0	11.00	40.0	12	83	2.00
3310d12.00r3.00	12.0	18.0	11.00	40.0	12	83	3.00



3320

HSC end mill for structural steel with ball end



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	140	200	□	■	X-Ceed
Steel > 700 N/mm²	120	190	□	■	X-Ceed
Stainless steel	-	-	-	-	-
Cast iron	50	170	□	■	X-Ceed
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloy	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances

$d_1 \leq 1 \text{ mm}$ ▶ $+0/-0.01$
 $d_1 > 1 \text{ mm}$ ▶ $+0/-0.02$
 $d_1 = D$ ▶ $d_1: e8$

$D: h5$
 $\text{C} \quad 0.01$

Z2

λ
30°

γ
5°

SUB-CARFINE

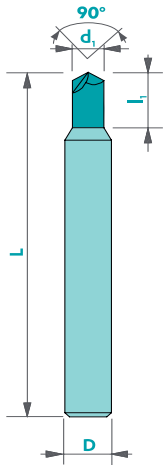
N HSC

$ae=0.3xd_1$
 $ap=0.1xd_1$

Art. n°	d_1	l_1	l_2	D	L	r	α
3320d1.00	1.0	1.5	6.0	6	57	0.50	13°
3320d1.50	1.5	2.2	6.0	6	57	0.75	13°
3320d2.00	2.0	3.0	6.5	6	57	1.00	13°
3320d2.50	2.5	3.7	6.5	6	57	1.25	13°
3320d3.00	3.0	4.5	7.0	6	57	1.50	13°
3320d3.50	3.5	5.2	10.5	6	57	1.75	13°
3320d4.00	4.0	6.0	10.5	6	57	2.00	13°
3320d4.50	4.5	6.7	14.0	6	57	2.25	13°
3320d5.00	5.0	7.5	14.0	6	57	2.50	13°
3320d6.00	6.0	9.0	20.0	8	63	3.00	5°
3320d8.00	8.0	12.0	-	8	63	4.00	-
3320d10.00	10.0	15.0	-	10	72	5.00	-
3320d12.00	12.0	18.0	-	12	83	6.00	-

Centering & Chamfering tool 90°

330-90



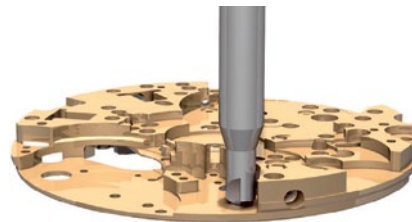
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	70	80	□	■	Trio
Steel > 700 N/mm²	60	70	□	■	Trio
Stainless steel	20	40	□	■	Trio
Cast iron	60	70	□	■	Solo
Copper	100	130	□	■	Solo
Brass - Bronze	80	120	■	■	Solo
Aluminium	100	120	□	■	Solo
Gold - Silver	80	100	■	□	Solo
Platinum - Palladium	-	20	-	□	Solo
Superalloy	-	25	-	■	Trio
Titanium	40	60	□	■	Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \pm 3 \rightarrow +/ - 0.01$ $l_1 \pm 0.2 / - 0$
 $d_1 = 3 \rightarrow h5$ $D: h5$



Art. n°	d_1	l_1	D	L
330-90d0.40	0.40	2.0	3.0	38
330-90d0.50	0.50	2.0	3.0	38
330-90d0.60	0.60	2.0	3.0	38
330-90d0.70	0.70	2.0	3.0	38
330-90d0.80	0.80	2.0	3.0	38
330-90d0.90	0.90	2.0	3.0	38
330-90d1.00	1.00	2.0	3.0	38
330-90d1.10	1.10	2.0	3.0	38
330-90d1.20	1.20	2.0	3.0	38
330-90d1.30	1.30	2.5	3.0	38
330-90d1.40	1.40	2.5	3.0	38
330-90d1.50	1.50	3.0	3.0	38
330-90d1.60	1.60	3.0	3.0	38
330-90d1.70	1.70	3.0	3.0	38
330-90d1.80	1.80	3.0	3.0	38
330-90d1.90	1.90	3.0	3.0	38
330-90d2.00	2.00	4.0	3.0	38
330-90d2.50	2.50	4.5	3.0	38
330-90d3.00	3.00	-	3.0	38



Centering



Chamfering

90°	Z2
	Y 0°
MG10	N

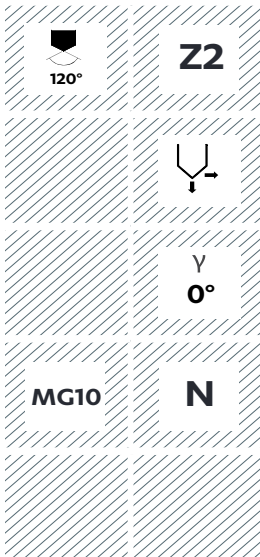
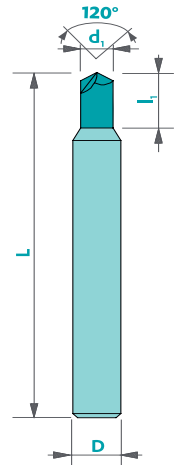
Centering & Chamfering tool 120°



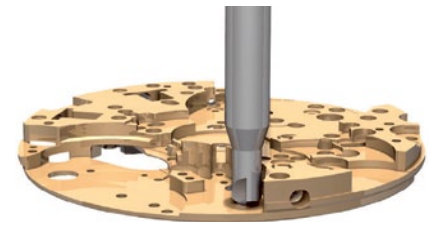
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	70	80	□	■	Trio
Steel > 700 N/mm²	60	70	□	■	Trio
Stainless steel	20	40	□	■	Trio
Cast iron	60	70	□	■	Solo
Copper	100	130	□	■	Solo
Brass - Bronze	80	120	■	■	Solo
Aluminium	100	120	□	■	Solo
Gold - Silver	80	100	■	□	Solo
Platinum - Palladium	-	20	-	□	Solo
Superalloy	-	25	-	■	Trio
Titanium	40	60	□	■	Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 3 \rightarrow +/ - 0.01$ $l_1: +0.2/-0$
 $d_1 = 3 \rightarrow h5$ $D: h5$



Art. n°	d_1	l_1	D	L
330-120d0.60	0.60	2.0	3.0	38
330-120d0.70	0.70	2.0	3.0	38
330-120d0.80	0.80	2.0	3.0	38
330-120d0.90	0.90	2.0	3.0	38
330-120d1.00	1.00	2.0	3.0	38
330-120d1.10	1.10	2.0	3.0	38
330-120d1.20	1.20	2.0	3.0	38
330-120d1.30	1.30	2.5	3.0	38
330-120d1.40	1.40	2.5	3.0	38
330-120d1.50	1.50	3.0	3.0	38
330-120d1.60	1.60	3.0	3.0	38
330-120d1.70	1.70	3.0	3.0	38
330-120d1.80	1.80	3.0	3.0	38
330-120d1.90	1.90	3.0	3.0	38
330-120d2.00	2.00	4.0	3.0	38
330-120d2.50	2.50	4.5	3.0	38
330-120d3.00	3.00	-	3.0	38



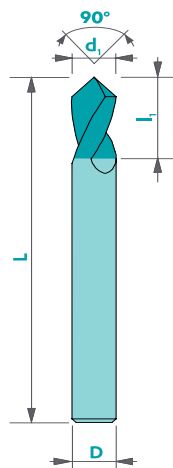
Centering



Chamfering

NC Center drill 90°

337



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	70	80	□	■	Trio
Steel > 700 N/mm²	60	70	□	■	Trio
Stainless steel	20	40	□	■	Trio
Cast iron	60	70	□	■	Solo
Copper	100	130	□	■	Solo
Brass - Bronze	80	120	■	■	Solo
Aluminium	100	120	□	■	Solo
Gold - Silver	80	100	■	□	Solo
Platinum - Palladium	-	20	-	□	Solo
Superalloy	-	25	-	■	Trio
Titanium	40	60	□	■	Trio

not adapted - adapted □ highly adapted ■

Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ $+0/-0.01$
 $d_1 > 1 \text{ mm}$ ▶ $+0/-0.02$
 $d_1 = D$ ▶ $d_1: e8$
 $D: h5$



Art. n°	d_1	l_1	D	L
337d0.40	0.40	2.0	2.0	38
337d0.50	0.50	2.0	2.0	38
337d0.55	0.55	2.0	2.0	38
337d0.60	0.60	2.0	2.0	38
337d0.65	0.65	2.0	2.0	38
337d0.70	0.70	2.0	2.0	38
337d0.75	0.75	2.0	2.0	38
337d0.80	0.80	3.0	2.0	38
337d0.85	0.85	3.0	2.0	38
337d0.90	0.90	3.0	2.0	38
337d0.95	0.95	3.0	2.0	38
337d1.00	1.00	3.0	2.0	38
337d1.05	1.05	3.0	2.0	38
337d1.10	1.10	3.0	2.0	38
337d1.15	1.15	3.0	2.0	38
337d1.20	1.20	3.0	2.0	38
337d1.25	1.25	3.0	2.0	38
337d1.30	1.30	3.0	2.0	38
337d1.35	1.35	3.0	2.0	38
337d1.40	1.40	3.0	2.0	38
337d1.45	1.45	3.0	2.0	38
337d1.50	1.50	5.0	2.0	38
337d1.60	1.60	5.0	2.0	38
337d1.70	1.70	5.0	2.0	38
337d1.80	1.80	5.0	2.0	38
337d1.90	1.90	5.0	2.0	38
337d2.00	2.00	8.0	2.0	38

Art. n°	d_1	l_1	D	L
337d2.50	2.50	8.0	2.5	38
337d3.00	3.00	10.0	3.0	44
337d4.00	4.00	12.0	4.0	50
337d5.00	5.00	12.0	5.0	50
337d6.00	6.00	15.0	6.0	61
337d8.00	8.00	20.0	8.0	72
337d10.00	10.00	20.0	10.0	72
337d12.00	12.00	25.0	12.0	83
337d16.00	16.00	25.0	16.0	83
337d20.00	20.00	35.0	20.0	104



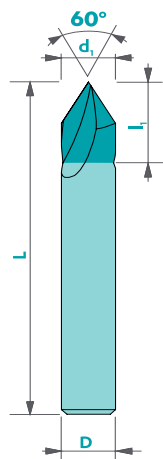
Z2



λ
24°

MG10

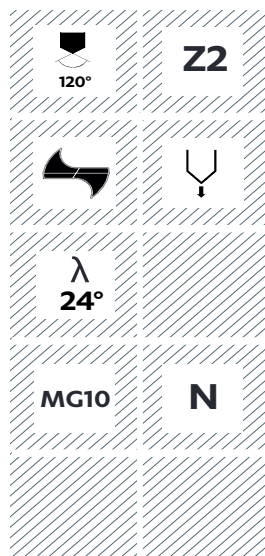
N



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	70	80	□	■	Trio
Steel > 700 N/mm ²	60	70	□	■	Trio
Stainless steel	20	40	□	■	Trio
Cast iron	60	70	□	■	Solo
Copper	100	130	□	■	Solo
Brass - Bronze	80	120	■	■	Solo
Aluminium	100	120	□	■	Solo
Gold - Silver	80	100	■	□	Solo
Platinum - Palladium	-	20	-	□	Solo
Superalloy	-	25	-	■	Trio
Titanium	40	60	□	■	Trio

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$



Art. n°	d_1	l_1	D	L
337-2d0.50	0.50	2.0	2.0	38
337-2d0.55	0.55	2.0	2.0	38
337-2d0.60	0.60	2.0	2.0	38
337-2d0.65	0.65	2.0	2.0	38
337-2d0.70	0.70	2.0	2.0	38
337-2d0.75	0.75	2.0	2.0	38
337-2d0.80	0.80	3.0	2.0	38
337-2d0.85	0.85	3.0	2.0	38
337-2d0.90	0.90	3.0	2.0	38
337-2d0.95	0.95	3.0	2.0	38
337-2d1.00	1.00	3.0	2.0	38
337-2d1.05	1.05	3.0	2.0	38
337-2d1.10	1.10	3.0	2.0	38
337-2d1.15	1.15	3.0	2.0	38
337-2d1.20	1.20	3.0	2.0	38
337-2d1.25	1.25	3.0	2.0	38
337-2d1.30	1.30	3.0	2.0	38
337-2d1.35	1.35	3.0	2.0	38
337-2d1.40	1.40	3.0	2.0	38
337-2d1.45	1.45	3.0	2.0	38
337-2d1.50	1.50	5.0	2.0	38
337-2d1.60	1.60	5.0	2.0	38
337-2d1.70	1.70	5.0	2.0	38
337-2d1.80	1.80	5.0	2.0	38
337-2d1.90	1.90	5.0	2.0	38
337-2d2.00	2.00	8.0	2.0	38
337-2d2.50	2.50	8.0	2.5	38

Art. n°	d_1	l_1	D	L
337-2d3.00	3.00	10.0	3.0	44
337-2d4.00	4.00	12.0	4.0	50
337-2d5.00	5.00	12.0	5.0	50
337-2d6.00	6.00	15.0	6.0	61
337-2d8.00	8.00	20.0	8.0	72
337-2d10.00	10.00	20.0	10.0	72
337-2d12.00	12.00	25.0	12.0	83
337-2d16.00	16.00	25.0	16.0	83
337-2d20.00	20.00	35.0	20.0	104

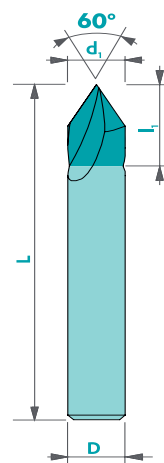
NC Center drill 60°

337-3

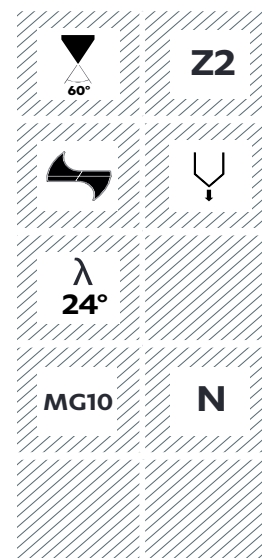
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	70	80	□	■	Trio
Steel > 700 N/mm ²	60	70	□	■	Trio
Stainless steel	20	40	□	■	Trio
Cast iron	60	70	□	■	Solo
Copper	100	130	□	■	Solo
Brass - Bronze	80	120	■	■	Solo
Aluminium	100	120	□	■	Solo
Gold - Silver	80	100	■	□	Solo
Platinum - Palladium	-	20	-	□	Solo
Superalloy	-	25	-	■	Trio
Titanium	40	60	□	■	Trio

not adapted - adapted □ highly adapted ■

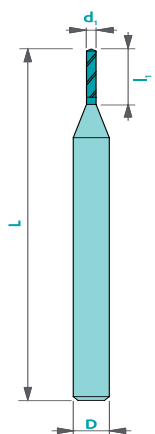
Tolerances
 $d_1 \leq 1 \text{ mm}$ ▶ +0/-0.01
 $d_1 > 1 \text{ mm}$ ▶ +0/-0.02
 $d_1 = D$ ▶ $d_1: e8$
 D: h5



Art. n°	d_1	l_1	D	L
337-3d0.50	0.50	3.0	2.0	38
337-3d0.60	0.60	3.0	2.0	38
337-3d0.70	0.70	3.0	2.0	38
337-3d0.80	0.80	3.0	2.0	38
337-3d0.90	0.90	3.0	2.0	38
337-3d1.00	1.00	3.0	2.0	38
337-3d1.10	1.10	3.0	2.0	38
337-3d1.20	1.20	3.0	2.0	38
337-3d1.30	1.30	3.0	2.0	38
337-3d1.40	1.40	3.0	2.0	38
337-3d1.50	1.50	5.0	2.0	38
337-3d1.60	1.60	5.0	2.0	38
337-3d1.70	1.70	5.0	2.0	38
337-3d1.80	1.80	5.0	2.0	38
337-3d1.90	1.90	5.0	2.0	38
337-3d2.00	2.00	8.0	2.0	38
337-3d2.50	2.50	8.0	2.5	38
337-3d3.00	3.00	10.0	3.0	44
337-3d4.00	4.00	12.0	4.0	50
337-3d5.00	5.00	12.0	5.0	50
337-3d6.00	6.00	15.0	6.0	61
337-3d8.00	8.00	20.0	8.0	72
337-3d10.00	10.00	20.0	10.0	72
337-3d12.00	12.00	25.0	12.0	83
337-3d16.00	16.00	25.0	16.0	83
337-3d20.00	20.00	35.0	20.0	104



Micro twist drill - helix 34° - shank Ø3



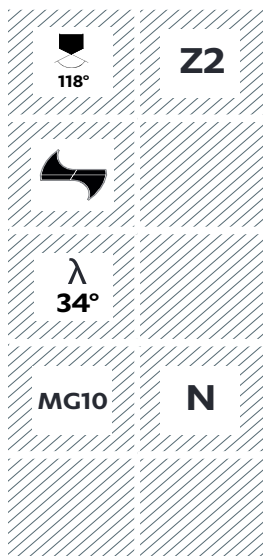
Material

	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	60	70	□	■	Trio
Steel > 700 N/mm²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

not adapted - adapted □ highly adapted ■

Tolerances

d₁: -0.002/-0.004
D: h5



Art. n°	d ₁	l ₁	D	L
342d0.05	0.05	0.30	3	38
342d0.06	0.06	0.40	3	38
342d0.07	0.07	0.40	3	38
342d0.08	0.08	0.50	3	38
342d0.09	0.09	0.50	3	38
342d0.10	0.10	0.50	3	38
342d0.11	0.11	0.50	3	38
342d0.12	0.12	0.50	3	38
342d0.13	0.13	0.50	3	38
342d0.14	0.14	0.50	3	38
342d0.15	0.15	0.80	3	38
342d0.16	0.16	0.80	3	38
342d0.17	0.17	0.80	3	38
342d0.18	0.18	0.80	3	38
342d0.19	0.19	0.80	3	38
342d0.20	0.20	0.80	3	38
342d0.21	0.21	1.00	3	38
342d0.22	0.22	1.00	3	38
342d0.23	0.23	1.00	3	38
342d0.24	0.24	1.00	3	38
342d0.25	0.25	1.00	3	38
342d0.26	0.26	1.50	3	38
342d0.27	0.27	1.50	3	38
342d0.28	0.28	1.50	3	38
342d0.29	0.29	1.50	3	38
342d0.30	0.30	1.50	3	38
342d0.31	0.31	2.00	3	38
342d0.32	0.32	2.00	3	38
342d0.33	0.33	2.00	3	38

Art. n°	d ₁	l ₁	D	L
342d0.34	0.34	2.00	3	38
342d0.35	0.35	2.00	3	38
342d0.36	0.36	3.00	3	38
342d0.37	0.37	3.00	3	38
342d0.38	0.38	3.00	3	38
342d0.39	0.39	3.00	3	38
342d0.40	0.40	3.00	3	38
342d0.41	0.41	3.00	3	38
342d0.42	0.42	3.00	3	38
342d0.43	0.43	3.00	3	38
342d0.44	0.44	3.00	3	38
342d0.45	0.45	3.00	3	38
342d0.46	0.46	3.00	3	38
342d0.47	0.47	4.00	3	38
342d0.48	0.48	4.00	3	38
342d0.49	0.49	4.00	3	38
342d0.50	0.50	4.00	3	38
342d0.51	0.51	4.00	3	38
342d0.52	0.52	4.00	3	38
342d0.53	0.53	4.00	3	38
342d0.54	0.54	4.00	3	38
342d0.55	0.55	4.00	3	38
342d0.56	0.56	4.00	3	38
342d0.57	0.57	4.00	3	38
342d0.58	0.58	4.00	3	38
342d0.59	0.59	4.00	3	38
342d0.60	0.60	4.00	3	38
342d0.61	0.61	5.00	3	38
342d0.62	0.62	5.00	3	38

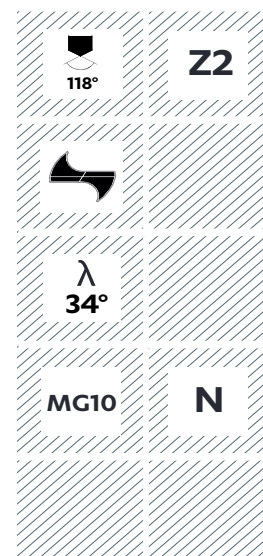
Micro twist drill - helix 34° - shank Ø3

342

Continuation

Art. n°	d ₁	l ₁	D	L
342d0.63	0.63	5.00	3	38
342d0.64	0.64	5.00	3	38
342d0.65	0.65	5.00	3	38
342d0.66	0.66	5.00	3	38
342d0.67	0.67	5.00	3	38
342d0.68	0.68	5.00	3	38
342d0.69	0.69	5.00	3	38
342d0.70	0.70	5.00	3	38
342d0.71	0.71	5.00	3	38
342d0.72	0.72	5.00	3	38
342d0.73	0.73	5.00	3	38
342d0.74	0.74	5.00	3	38
342d0.75	0.75	5.00	3	38
342d0.76	0.76	5.00	3	38
342d0.77	0.77	5.00	3	38
342d0.78	0.78	5.00	3	38
342d0.79	0.79	5.00	3	38
342d0.80	0.80	5.00	3	38
342d0.81	0.81	6.00	3	38
342d0.82	0.82	6.00	3	38
342d0.83	0.83	6.00	3	38
342d0.84	0.84	6.00	3	38
342d0.85	0.85	6.00	3	38
342d0.86	0.86	6.00	3	38
342d0.87	0.87	6.00	3	38
342d0.88	0.88	6.00	3	38
342d0.89	0.89	6.00	3	38
342d0.90	0.90	6.00	3	38
342d0.91	0.91	6.00	3	38
342d0.92	0.92	6.00	3	38
342d0.93	0.93	6.00	3	38
342d0.94	0.94	6.00	3	38
342d0.95	0.95	6.00	3	38
342d0.96	0.96	6.00	3	38
342d0.97	0.97	6.00	3	38
342d0.98	0.98	6.00	3	38
342d0.99	0.99	6.00	3	38
342d1.00	1.00	6.00	3	38
342d1.01	1.01	6.00	3	38
342d1.02	1.02	6.00	3	38
342d1.03	1.03	6.00	3	38
342d1.04	1.04	6.00	3	38
342d1.05	1.05	6.00	3	38

Art. n°	d ₁	l ₁	D	L
342d1.06	1.06	6.00	3	38
342d1.07	1.07	6.00	3	38
342d1.08	1.08	6.00	3	38
342d1.09	1.09	6.00	3	38
342d1.10	1.10	6.00	3	38
342d1.12	1.12	6.00	3	38
342d1.13	1.13	6.00	3	38
342d1.14	1.14	6.00	3	38
342d1.15	1.15	6.00	3	38
342d1.16	1.16	6.00	3	38
342d1.17	1.17	6.00	3	38
342d1.18	1.18	6.00	3	38
342d1.19	1.19	6.00	3	38
342d1.20	1.20	6.00	3	38
342d1.21	1.21	8.00	3	38
342d1.22	1.22	8.00	3	38
342d1.23	1.23	8.00	3	38
342d1.24	1.24	8.00	3	38
342d1.25	1.25	8.00	3	38
342d1.26	1.26	8.00	3	38
342d1.27	1.27	8.00	3	38
342d1.28	1.28	8.00	3	38
342d1.29	1.29	8.00	3	38
342d1.30	1.30	8.00	3	38
342d1.31	1.31	8.00	3	38
342d1.32	1.32	8.00	3	38
342d1.33	1.33	8.00	3	38
342d1.34	1.34	8.00	3	38
342d1.35	1.35	8.00	3	38
342d1.36	1.36	8.00	3	38
342d1.37	1.37	8.00	3	38
342d1.38	1.38	8.00	3	38
342d1.39	1.39	8.00	3	38
342d1.40	1.40	8.00	3	38
342d1.41	1.41	8.00	3	38
342d1.42	1.42	8.00	3	38
342d1.43	1.43	8.00	3	38
342d1.44	1.44	8.00	3	38
342d1.45	1.45	8.00	3	38
342d1.46	1.46	8.00	3	38
342d1.47	1.47	8.00	3	38
342d1.48	1.48	8.00	3	38
342d1.49	1.49	8.00	3	38



Micro twist drill - helix 34° - shank Ø3



Art. n°	d ₁	l ₁	D	L
342d1.50	1.50	8.00	3	38
342d1.51	1.51	8.00	3	38
342d1.52	1.52	8.00	3	38
342d1.53	1.53	8.00	3	38
342d1.54	1.54	8.00	3	38
342d1.55	1.55	8.00	3	38
342d1.56	1.56	8.00	3	38
342d1.57	1.57	8.00	3	38
342d1.58	1.58	8.00	3	38
342d1.59	1.59	8.00	3	38
342d1.60	1.60	8.00	3	38
342d1.61	1.61	8.00	3	38
342d1.62	1.62	8.00	3	38
342d1.63	1.63	8.00	3	38
342d1.64	1.64	8.00	3	38
342d1.65	1.65	8.00	3	38
342d1.66	1.66	8.00	3	38
342d1.67	1.67	8.00	3	38
342d1.68	1.68	8.00	3	38
342d1.69	1.69	8.00	3	38
342d1.70	1.70	8.00	3	38
342d1.71	1.71	12.00	3	38
342d1.72	1.72	12.00	3	38
342d1.73	1.73	12.00	3	38
342d1.74	1.74	12.00	3	38
342d1.75	1.75	12.00	3	38
342d1.76	1.76	12.00	3	38
342d1.77	1.77	12.00	3	38
342d1.78	1.78	12.00	3	38
342d1.79	1.79	12.00	3	38
342d1.80	1.80	12.00	3	38
342d1.81	1.81	12.00	3	38
342d1.82	1.82	12.00	3	38
342d1.83	1.83	12.00	3	38
342d1.84	1.84	12.00	3	38
342d1.85	1.85	12.00	3	38
342d1.86	1.86	12.00	3	38
342d1.87	1.87	12.00	3	38
342d1.88	1.88	12.00	3	38
342d1.89	1.89	12.00	3	38
342d1.90	1.90	12.00	3	38
342d1.91	1.91	12.00	3	38
342d1.92	1.92	12.00	3	38
342d1.93	1.93	12.00	3	38
342d1.94	1.94	12.00	3	38

Art. n°	d ₁	l ₁	D	L
342d1.95	1.95	12.00	3	38
342d1.96	1.96	12.00	3	38
342d1.97	1.97	12.00	3	38
342d1.98	1.98	12.00	3	38
342d1.99	1.99	12.00	3	38
342d2.00	2.00	12.00	3	38
342d2.05	2.05	12.00	3	38
342d2.10	2.10	12.00	3	38
342d2.15	2.15	12.00	3	38
342d2.20	2.20	12.00	3	38
342d2.25	2.25	12.00	3	38
342d2.30	2.30	12.00	3	38
342d2.35	2.35	12.00	3	38
342d2.40	2.40	12.00	3	38
342d2.45	2.45	12.00	3	38
342d2.50	2.50	12.00	3	38

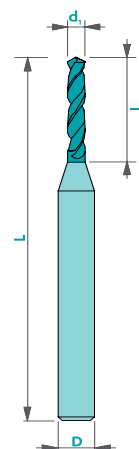
Drill - helix 34° - l₁=6 mm

343-6

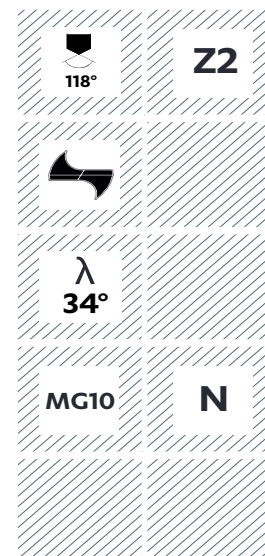
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	60	70	□	■	Trio
Steel > 700 N/mm ²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

not adapted - adapted □ highly adapted ■

Tolerances d₁: -0.002/-0.004
D: h5



Art. n°	d ₁	l ₁	D	L	Art. n°	d ₁	l ₁	D	L
343-6d0.60	0.60	6.0	2.0	38	343-6d0.89	0.89	6.0	2.0	38
343-6d0.61	0.61	6.0	2.0	38	343-6d0.90	0.90	6.0	2.0	38
343-6d0.62	0.62	6.0	2.0	38	343-6d0.91	0.91	6.0	2.0	38
343-6d0.63	0.63	6.0	2.0	38	343-6d0.92	0.92	6.0	2.0	38
343-6d0.64	0.64	6.0	2.0	38	343-6d0.93	0.93	6.0	2.0	38
343-6d0.65	0.65	6.0	2.0	38	343-6d0.94	0.94	6.0	2.0	38
343-6d0.66	0.66	6.0	2.0	38	343-6d0.95	0.95	6.0	2.0	38
343-6d0.67	0.67	6.0	2.0	38	343-6d0.96	0.96	6.0	2.0	38
343-6d0.68	0.68	6.0	2.0	38	343-6d0.97	0.97	6.0	2.0	38
343-6d0.69	0.69	6.0	2.0	38	343-6d0.98	0.98	6.0	2.0	38
343-6d0.70	0.70	6.0	2.0	38	343-6d0.99	0.99	6.0	2.0	38
343-6d0.71	0.71	6.0	2.0	38	343-6d1.00	1.00	6.0	2.0	38
343-6d0.72	0.72	6.0	2.0	38	343-6d1.01	1.01	6.0	2.0	38
343-6d0.73	0.73	6.0	2.0	38	343-6d1.02	1.02	6.0	2.0	38
343-6d0.74	0.74	6.0	2.0	38	343-6d1.03	1.03	6.0	2.0	38
343-6d0.75	0.75	6.0	2.0	38	343-6d1.04	1.04	6.0	2.0	38
343-6d0.76	0.76	6.0	2.0	38	343-6d1.05	1.05	6.0	2.0	38
343-6d0.77	0.77	6.0	2.0	38	343-6d1.06	1.06	6.0	2.0	38
343-6d0.78	0.78	6.0	2.0	38	343-6d1.07	1.07	6.0	2.0	38
343-6d0.79	0.79	6.0	2.0	38	343-6d1.08	1.08	6.0	2.0	38
343-6d0.80	0.80	6.0	2.0	38	343-6d1.09	1.09	6.0	2.0	38
343-6d0.81	0.81	6.0	2.0	38	343-6d1.09	1.09	6.0	2.0	38
343-6d0.82	0.82	6.0	2.0	38	343-6d1.10	1.10	6.0	2.0	38
343-6d0.83	0.83	6.0	2.0	38	343-6d1.11	1.11	6.0	2.0	38
343-6d0.84	0.84	6.0	2.0	38	343-6d1.12	1.12	6.0	2.0	38
343-6d0.85	0.85	6.0	2.0	38	343-6d1.13	1.13	6.0	2.0	38
343-6d0.86	0.86	6.0	2.0	38	343-6d1.14	1.14	6.0	2.0	38
343-6d0.87	0.87	6.0	2.0	38	343-6d1.15	1.15	6.0	2.0	38
343-6d0.88	0.88	6.0	2.0	38	343-6d1.16	1.16	6.0	2.0	38



Drill - helix 34° - $l_1=6$ mm

Art. n°	d_1	l_1	D	L	Art. n°	d_1	l_1	D	L
343-6d1.17	1.17	6.0	2.0	38	343-6d1.62	1.62	6.0	2.0	38
343-6d1.18	1.18	6.0	2.0	38	343-6d1.63	1.63	6.0	2.0	38
343-6d1.19	1.19	6.0	2.0	38	343-6d1.64	1.64	6.0	2.0	38
343-6d1.20	1.20	6.0	2.0	38	343-6d1.65	1.65	6.0	2.0	38
343-6d1.21	1.21	6.0	2.0	38	343-6d1.66	1.66	6.0	2.0	38
343-6d1.22	1.22	6.0	2.0	38	343-6d1.67	1.67	6.0	2.0	38
343-6d1.23	1.23	6.0	2.0	38	343-6d1.68	1.68	6.0	2.0	38
343-6d1.24	1.24	6.0	2.0	38	343-6d1.69	1.69	6.0	2.0	38
343-6d1.25	1.25	6.0	2.0	38	343-6d1.70	1.70	6.0	2.0	38
343-6d1.26	1.26	6.0	2.0	38	343-6d1.71	1.71	6.0	2.0	38
343-6d1.27	1.27	6.0	2.0	38	343-6d1.72	1.72	6.0	2.0	38
343-6d1.28	1.28	6.0	2.0	38	343-6d1.73	1.73	6.0	2.0	38
343-6d1.29	1.29	6.0	2.0	38	343-6d1.74	1.74	6.0	2.0	38
343-6d1.30	1.30	6.0	2.0	38	343-6d1.75	1.75	6.0	2.0	38
343-6d1.31	1.31	6.0	2.0	38	343-6d1.76	1.76	6.0	2.0	38
343-6d1.32	1.32	6.0	2.0	38	343-6d1.77	1.77	6.0	2.0	38
343-6d1.33	1.33	6.0	2.0	38	343-6d1.78	1.78	6.0	2.0	38
343-6d1.34	1.34	6.0	2.0	38	343-6d1.79	1.79	6.0	2.0	38
343-6d1.35	1.35	6.0	2.0	38	343-6d1.80	1.80	6.0	2.0	38
343-6d1.36	1.36	6.0	2.0	38	343-6d1.81	1.81	6.0	2.0	38
343-6d1.37	1.37	6.0	2.0	38	343-6d1.82	1.82	6.0	2.0	38
343-6d1.38	1.38	6.0	2.0	38	343-6d1.83	1.83	6.0	2.0	38
343-6d1.39	1.39	6.0	2.0	38	343-6d1.84	1.84	6.0	2.0	38
343-6d1.40	1.40	6.0	2.0	38	343-6d1.85	1.85	6.0	2.0	38
343-6d1.41	1.41	6.0	2.0	38	343-6d1.86	1.86	6.0	2.0	38
343-6d1.42	1.42	6.0	2.0	38	343-6d1.87	1.87	6.0	2.0	38
343-6d1.43	1.43	6.0	2.0	38	343-6d1.88	1.88	6.0	2.0	38
343-6d1.44	1.44	6.0	2.0	38	343-6d1.89	1.89	6.0	2.0	38
343-6d1.45	1.45	6.0	2.0	38	343-6d1.90	1.90	6.0	2.0	38
343-6d1.46	1.46	6.0	2.0	38	343-6d1.91	1.91	6.0	2.0	38
343-6d1.47	1.47	6.0	2.0	38	343-6d1.92	1.92	6.0	2.0	38
343-6d1.48	1.48	6.0	2.0	38	343-6d1.93	1.93	6.0	2.0	38
343-6d1.49	1.49	6.0	2.0	38	343-6d1.94	1.94	6.0	2.0	38
343-6d1.50	1.50	6.0	2.0	38	343-6d1.95	1.95	6.0	2.0	38
343-6d1.51	1.51	6.0	2.0	38	343-6d1.96	1.96	6.0	2.0	38
343-6d1.52	1.52	6.0	2.0	38	343-6d1.97	1.97	6.0	2.0	38
343-6d1.53	1.53	6.0	2.0	38	343-6d1.98	1.98	6.0	2.0	38
343-6d1.54	1.54	6.0	2.0	38	343-6d1.99	1.99	6.0	2.0	38
343-6d1.55	1.55	6.0	2.0	38	343-6d2.00	2.00	6.0	2.0	38
343-6d1.56	1.56	6.0	2.0	38					
343-6d1.57	1.57	6.0	2.0	38					
343-6d1.58	1.58	6.0	2.0	38					
343-6d1.59	1.59	6.0	2.0	38					
343-6d1.60	1.60	6.0	2.0	38					
343-6d1.61	1.61	6.0	2.0	38					

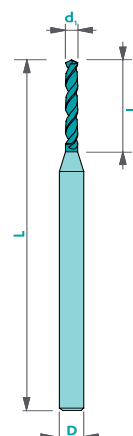
Drill - helix 34° - $l_1=8$ mm

343-8

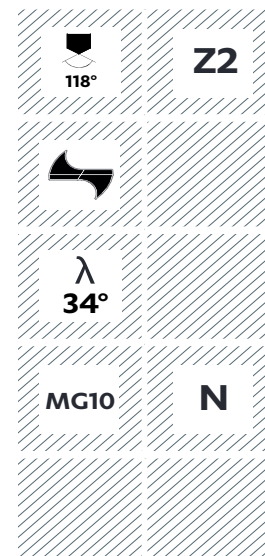
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	60	70	□	■	Trio
Steel > 700 N/mm ²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

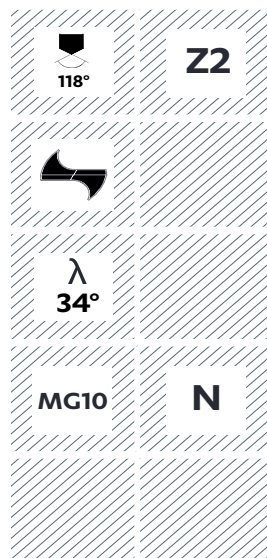
not adapted - adapted □ highly adapted ■

Tolerances d_1 : -0.002/-0.004
D: h5



Art. n°	d_1	l_1	D	L	Art. n°	d_1	l_1	D	L
343-8d0.80	0.80	8.0	2.0	38	343-8d1.10	1.10	8.0	2.0	38
343-8d0.81	0.81	8.0	2.0	38	343-8d1.11	1.11	8.0	2.0	38
343-8d0.82	0.82	8.0	2.0	38	343-8d1.12	1.12	8.0	2.0	38
343-8d0.83	0.83	8.0	2.0	38	343-8d1.13	1.13	8.0	2.0	38
343-8d0.84	0.84	8.0	2.0	38	343-8d1.14	1.14	8.0	2.0	38
343-8d0.85	0.85	8.0	2.0	38	343-8d1.15	1.15	8.0	2.0	38
343-8d0.86	0.86	8.0	2.0	38	343-8d1.16	1.16	8.0	2.0	38
343-8d0.87	0.87	8.0	2.0	38	343-8d1.17	1.17	8.0	2.0	38
343-8d0.88	0.88	8.0	2.0	38	343-8d1.18	1.18	8.0	2.0	38
343-8d0.89	0.89	8.0	2.0	38	343-8d1.19	1.19	8.0	2.0	38
343-8d0.90	0.90	8.0	2.0	38	343-8d1.20	1.20	8.0	2.0	38
343-8d0.91	0.91	8.0	2.0	38	343-8d1.21	1.21	8.0	2.0	38
343-8d0.92	0.92	8.0	2.0	38	343-8d1.22	1.22	8.0	2.0	38
343-8d0.93	0.93	8.0	2.0	38	343-8d1.23	1.23	8.0	2.0	38
343-8d0.94	0.94	8.0	2.0	38	343-8d1.24	1.24	8.0	2.0	38
343-8d0.95	0.95	8.0	2.0	38	343-8d1.25	1.25	8.0	2.0	38
343-8d0.96	0.96	8.0	2.0	38	343-8d1.26	1.26	8.0	2.0	38
343-8d0.97	0.97	8.0	2.0	38	343-8d1.27	1.27	8.0	2.0	38
343-8d0.98	0.98	8.0	2.0	38	343-8d1.28	1.28	8.0	2.0	38
343-8d0.99	0.99	8.0	2.0	38	343-8d1.29	1.29	8.0	2.0	38
343-8d1.00	1.00	8.0	2.0	38	343-8d1.30	1.30	8.0	2.0	38
343-8d1.01	1.01	8.0	2.0	38	343-8d1.31	1.31	8.0	2.0	38
343-8d1.02	1.02	8.0	2.0	38	343-8d1.32	1.32	8.0	2.0	38
343-8d1.03	1.03	8.0	2.0	38	343-8d1.33	1.33	8.0	2.0	38
343-8d1.04	1.04	8.0	2.0	38	343-8d1.34	1.34	8.0	2.0	38
343-8d1.05	1.05	8.0	2.0	38	343-8d1.35	1.35	8.0	2.0	38
343-8d1.06	1.06	8.0	2.0	38	343-8d1.36	1.36	8.0	2.0	38
343-8d1.07	1.07	8.0	2.0	38	343-8d1.37	1.37	8.0	2.0	38
343-8d1.08	1.08	8.0	2.0	38	343-8d1.38	1.38	8.0	2.0	38
343-8d1.09	1.09	8.0	2.0	38	343-8d1.39	1.39	8.0	2.0	38



Drill - helix 34° - $l_1=8$ mm

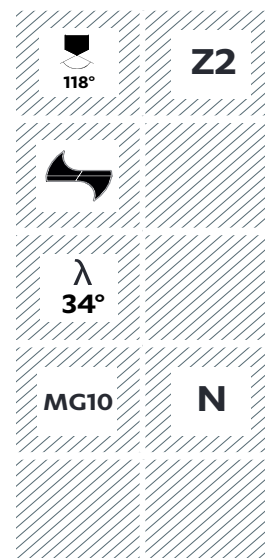
Art. n°	d_1	l_1	D	L	Art. n°	d_1	l_1	D	L
343-8d1.40	1.40	8.0	2.0	38	343-8d1.85	1.85	8.0	2.0	38
343-8d1.41	1.41	8.0	2.0	38	343-8d1.86	1.86	8.0	2.0	38
343-8d1.42	1.42	8.0	2.0	38	343-8d1.87	1.87	8.0	2.0	38
343-8d1.43	1.43	8.0	2.0	38	343-8d1.88	1.88	8.0	2.0	38
343-8d1.44	1.44	8.0	2.0	38	343-8d1.89	1.89	8.0	2.0	38
343-8d1.45	1.45	8.0	2.0	38	343-8d1.90	1.90	8.0	2.0	38
343-8d1.46	1.46	8.0	2.0	38	343-8d1.91	1.91	8.0	2.0	38
343-8d1.47	1.47	8.0	2.0	38	343-8d1.92	1.92	8.0	2.0	38
343-8d1.48	1.48	8.0	2.0	38	343-8d1.93	1.93	8.0	2.0	38
343-8d1.49	1.49	8.0	2.0	38	343-8d1.94	1.94	8.0	2.0	38
343-8d1.50	1.50	8.0	2.0	38	343-8d1.95	1.95	8.0	2.0	38
343-8d1.51	1.51	8.0	2.0	38	343-8d1.96	1.96	8.0	2.0	38
343-8d1.52	1.52	8.0	2.0	38	343-8d1.97	1.97	8.0	2.0	38
343-8d1.53	1.53	8.0	2.0	38	343-8d1.98	1.98	8.0	2.0	38
343-8d1.54	1.54	8.0	2.0	38	343-8d1.99	1.99	8.0	2.0	38
343-8d1.55	1.55	8.0	2.0	38	343-8d2.00	2.00	8.0	2.0	38
343-8d1.56	1.56	8.0	2.0	38	343-8d2.01	2.01	8.0	2.0	38
343-8d1.57	1.57	8.0	2.0	38	343-8d2.02	2.02	8.0	2.0	38
343-8d1.58	1.58	8.0	2.0	38	343-8d2.03	2.03	8.0	2.0	38
343-8d1.59	1.59	8.0	2.0	38	343-8d2.04	2.04	8.0	2.0	38
343-8d1.60	1.60	8.0	2.0	38	343-8d2.05	2.05	8.0	2.0	38
343-8d1.61	1.61	8.0	2.0	38	343-8d2.06	2.06	8.0	2.0	38
343-8d1.62	1.62	8.0	2.0	38	343-8d2.07	2.07	8.0	2.0	38
343-8d1.63	1.63	8.0	2.0	38	343-8d2.08	2.08	8.0	2.0	38
343-8d1.64	1.64	8.0	2.0	38	343-8d2.09	2.09	8.0	2.0	38
343-8d1.65	1.65	8.0	2.0	38	343-8d2.10	2.10	8.0	2.0	38
343-8d1.66	1.66	8.0	2.0	38	343-8d2.11	2.11	8.0	2.0	38
343-8d1.67	1.67	8.0	2.0	38	343-8d2.12	2.12	8.0	2.0	38
343-8d1.68	1.68	8.0	2.0	38	343-8d2.13	2.13	8.0	2.0	38
343-8d1.69	1.69	8.0	2.0	38	343-8d2.14	2.14	8.0	2.0	38
343-8d1.70	1.70	8.0	2.0	38	343-8d2.15	2.15	8.0	2.0	38
343-8d1.71	1.71	8.0	2.0	38	343-8d2.16	2.16	8.0	2.0	38
343-8d1.72	1.72	8.0	2.0	38	343-8d2.17	2.17	8.0	2.0	38
343-8d1.73	1.73	8.0	2.0	38	343-8d2.18	2.18	8.0	2.0	38
343-8d1.74	1.74	8.0	2.0	38	343-8d2.19	2.19	8.0	2.0	38
343-8d1.75	1.75	8.0	2.0	38	343-8d2.20	2.20	8.0	2.0	38
343-8d1.76	1.76	8.0	2.0	38	343-8d2.21	2.21	8.0	2.0	38
343-8d1.77	1.77	8.0	2.0	38	343-8d2.22	2.22	8.0	2.0	38
343-8d1.78	1.78	8.0	2.0	38	343-8d2.23	2.23	8.0	2.0	38
343-8d1.79	1.79	8.0	2.0	38	343-8d2.24	2.24	8.0	2.0	38
343-8d1.80	1.80	8.0	2.0	38	343-8d2.25	2.25	8.0	2.0	38
343-8d1.81	1.81	8.0	2.0	38	343-8d2.26	2.26	8.0	2.0	38
343-8d1.82	1.82	8.0	2.0	38	343-8d2.27	2.27	8.0	2.0	38
343-8d1.83	1.83	8.0	2.0	38	343-8d2.28	2.28	8.0	2.0	38
343-8d1.84	1.84	8.0	2.0	38	343-8d2.29	2.29	8.0	2.0	38

Drill - helix 34° - l₁=8 mm

343-8

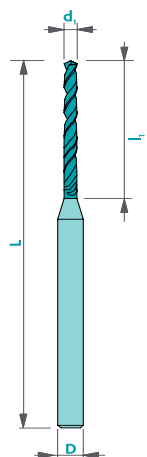
Continuation

Art. n°	d ₁	l ₁	D	L	Art. n°	d ₁	l ₁	D	L
343-8d2.30	2.30	8.0	2.0	38	343-8d2.75	2.75	8.0	2.0	38
343-8d2.31	2.31	8.0	2.0	38	343-8d2.76	2.76	8.0	2.0	38
343-8d2.32	2.32	8.0	2.0	38	343-8d2.77	2.77	8.0	2.0	38
343-8d2.33	2.33	8.0	2.0	38	343-8d2.78	2.78	8.0	2.0	38
343-8d2.34	2.34	8.0	2.0	38	343-8d2.79	2.79	8.0	2.0	38
343-8d2.35	2.35	8.0	2.0	38	343-8d2.80	2.80	8.0	2.0	38
343-8d2.36	2.36	8.0	2.0	38	343-8d2.81	2.81	8.0	2.0	38
343-8d2.37	2.37	8.0	2.0	38	343-8d2.82	2.82	8.0	2.0	38
343-8d2.38	2.38	8.0	2.0	38	343-8d2.83	2.83	8.0	2.0	38
343-8d2.39	2.39	8.0	2.0	38	343-8d2.84	2.84	8.0	2.0	38
343-8d2.40	2.40	8.0	2.0	38	343-8d2.85	2.85	8.0	2.0	38
343-8d2.41	2.41	8.0	2.0	38	343-8d2.86	2.86	8.0	2.0	38
343-8d2.42	2.42	8.0	2.0	38	343-8d2.87	2.87	8.0	2.0	38
343-8d2.43	2.43	8.0	2.0	38	343-8d2.88	2.88	8.0	2.0	38
343-8d2.44	2.44	8.0	2.0	38	343-8d2.89	2.89	8.0	2.0	38
343-8d2.45	2.45	8.0	2.0	38	343-8d2.90	2.90	8.0	2.0	38
343-8d2.46	2.46	8.0	2.0	38	343-8d2.91	2.91	8.0	2.0	38
343-8d2.47	2.47	8.0	2.0	38	343-8d2.92	2.92	8.0	2.0	38
343-8d2.48	2.48	8.0	2.0	38	343-8d2.93	2.93	8.0	2.0	38
343-8d2.49	2.49	8.0	2.0	38	343-8d2.94	2.94	8.0	2.0	38
343-8d2.50	2.50	8.0	2.0	38	343-8d2.95	2.95	8.0	2.0	38
343-8d2.51	2.51	8.0	2.0	38	343-8d2.96	2.96	8.0	2.0	38
343-8d2.52	2.52	8.0	2.0	38	343-8d2.97	2.97	8.0	2.0	38
343-8d2.53	2.53	8.0	2.0	38	343-8d2.98	2.98	8.0	2.0	38
343-8d2.54	2.54	8.0	2.0	38	343-8d2.99	2.99	8.0	2.0	38
343-8d2.55	2.55	8.0	2.0	38	343-8d3.00	3.00	8.0	3.0	38
343-8d2.56	2.56	8.0	2.0	38	343-8d3.10	3.10	8.0	4.0	38
343-8d2.57	2.57	8.0	2.0	38	343-8d3.20	3.20	8.0	4.0	38
343-8d2.58	2.58	8.0	2.0	38	343-8d3.30	3.30	8.0	4.0	38
343-8d2.59	2.59	8.0	2.0	38	343-8d3.40	3.40	8.0	4.0	38
343-8d2.60	2.60	8.0	2.0	38	343-8d3.50	3.50	8.0	4.0	38
343-8d2.61	2.61	8.0	2.0	38	343-8d3.60	3.60	8.0	4.0	38
343-8d2.62	2.62	8.0	2.0	38	343-8d3.70	3.70	8.0	4.0	38
343-8d2.63	2.63	8.0	2.0	38	343-8d3.80	3.80	8.0	4.0	38
343-8d2.64	2.64	8.0	2.0	38	343-8d3.90	3.90	8.0	4.0	38
343-8d2.65	2.65	8.0	2.0	38	343-8d4.00	4.00	8.0	4.0	38
343-8d2.66	2.66	8.0	2.0	38	343-8d4.10	4.10	8.0	4.5	38
343-8d2.67	2.67	8.0	2.0	38	343-8d4.20	4.20	8.0	4.5	38
343-8d2.68	2.68	8.0	2.0	38	343-8d4.30	4.30	8.0	4.5	38
343-8d2.69	2.69	8.0	2.0	38	343-8d4.40	4.40	8.0	4.5	38
343-8d2.70	2.70	8.0	2.0	38	343-8d4.50	4.50	8.0	4.5	38
343-8d2.71	2.71	8.0	2.0	38	343-8d5.00	5.00	8.0	5.0	38
343-8d2.72	2.72	8.0	2.0	38	343-8d5.50	5.50	8.0	5.5	38
343-8d2.73	2.73	8.0	2.0	38	343-8d6.00	6.00	8.0	6.0	38
343-8d2.74	2.74	8.0	2.0	38					



343-12

Drill - helix 34° - l₁=12 mm



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	60	70	□	■	Trio
Steel > 700 N/mm²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

not adapted - adapted □ highly adapted ■

Tolerances d₁: -0.002/-0.004
D: h5



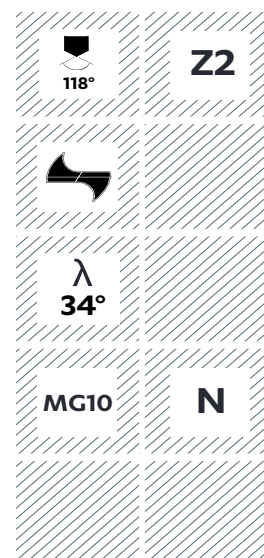
Art. n°	d ₁	l ₁	D	L	Art. n°	d ₁	l ₁	D	L
343-12d0.80	0.80	12.0	2.0	38	343-12d1.08	1.08	12.0	2.0	38
343-12d0.81	0.81	12.0	2.0	38	343-12d1.09	1.09	12.0	2.0	38
343-12d0.82	0.82	12.0	2.0	38	343-12d1.10	1.10	12.0	2.0	38
343-12d0.83	0.83	12.0	2.0	38	343-12d1.11	1.11	12.0	2.0	38
343-12d0.84	0.84	12.0	2.0	38	343-12d1.12	1.12	12.0	2.0	38
343-12d0.85	0.85	12.0	2.0	38	343-12d1.13	1.13	12.0	2.0	38
343-12d0.86	0.86	12.0	2.0	38	343-12d1.14	1.14	12.0	2.0	38
343-12d0.87	0.87	12.0	2.0	38	343-12d1.15	1.15	12.0	2.0	38
343-12d0.88	0.88	12.0	2.0	38	343-12d1.16	1.16	12.0	2.0	38
343-12d0.89	0.89	12.0	2.0	38	343-12d1.17	1.17	12.0	2.0	38
343-12d0.90	0.90	12.0	2.0	38	343-12d1.18	1.18	12.0	2.0	38
343-12d0.91	0.91	12.0	2.0	38	343-12d1.19	1.19	12.0	2.0	38
343-12d0.92	0.92	12.0	2.0	38	343-12d1.20	1.20	12.0	2.0	38
343-12d0.93	0.93	12.0	2.0	38	343-12d1.21	1.21	12.0	2.0	38
343-12d0.94	0.94	12.0	2.0	38	343-12d1.22	1.22	12.0	2.0	38
343-12d0.95	0.95	12.0	2.0	38	343-12d1.23	1.23	12.0	2.0	38
343-12d0.96	0.96	12.0	2.0	38	343-12d1.24	1.24	12.0	2.0	38
343-12d0.97	0.97	12.0	2.0	38	343-12d1.25	1.25	12.0	2.0	38
343-12d0.98	0.98	12.0	2.0	38	343-12d1.26	1.26	12.0	2.0	38
343-12d0.99	0.99	12.0	2.0	38	343-12d1.27	1.27	12.0	2.0	38
343-12d1.00	1.00	12.0	2.0	38	343-12d1.28	1.28	12.0	2.0	38
343-12d1.01	1.01	12.0	2.0	38	343-12d1.29	1.29	12.0	2.0	38
343-12d1.02	1.02	12.0	2.0	38	343-12d1.30	1.30	12.0	2.0	38
343-12d1.03	1.03	12.0	2.0	38	343-12d1.31	1.31	12.0	2.0	38
343-12d1.04	1.04	12.0	2.0	38	343-12d1.32	1.32	12.0	2.0	38
343-12d1.05	1.05	12.0	2.0	38	343-12d1.33	1.33	12.0	2.0	38
343-12d1.06	1.06	12.0	2.0	38	343-12d1.34	1.34	12.0	2.0	38
343-12d1.07	1.07	12.0	2.0	38	343-12d1.35	1.35	12.0	2.0	38

Drill - helix 34° - l₁=12 mm

343-12

Continuation

Art. n°	d ₁	l ₁	D	L	Art. n°	d ₁	l ₁	D	L
343-12d1.36	1.36	12.0	2.0	38	343-12d1.80	1.80	12.0	2.0	38
343-12d1.37	1.37	12.0	2.0	38	343-12d1.81	1.81	12.0	2.0	38
343-12d1.38	1.38	12.0	2.0	38	343-12d1.82	1.82	12.0	2.0	38
343-12d1.39	1.39	12.0	2.0	38	343-12d1.83	1.83	12.0	2.0	38
343-12d1.40	1.40	12.0	2.0	38	343-12d1.84	1.84	12.0	2.0	38
343-12d1.41	1.41	12.0	2.0	38	343-12d1.85	1.85	12.0	2.0	38
343-12d1.42	1.42	12.0	2.0	38	343-12d1.86	1.86	12.0	2.0	38
343-12d1.43	1.43	12.0	2.0	38	343-12d1.87	1.87	12.0	2.0	38
343-12d1.44	1.44	12.0	2.0	38	343-12d1.88	1.88	12.0	2.0	38
343-12d1.45	1.45	12.0	2.0	38	343-12d1.89	1.89	12.0	2.0	38
343-12d1.46	1.46	12.0	2.0	38	343-12d1.90	1.90	12.0	2.0	38
343-12d1.47	1.47	12.0	2.0	38	343-12d1.91	1.91	12.0	2.0	38
343-12d1.48	1.48	12.0	2.0	38	343-12d1.92	1.92	12.0	2.0	38
343-12d1.49	1.49	12.0	2.0	38	343-12d1.93	1.93	12.0	2.0	38
343-12d1.50	1.50	12.0	2.0	38	343-12d1.94	1.94	12.0	2.0	38
343-12d1.51	1.51	12.0	2.0	38	343-12d1.95	1.95	12.0	2.0	38
343-12d1.52	1.52	12.0	2.0	38	343-12d1.96	1.96	12.0	2.0	38
343-12d1.53	1.53	12.0	2.0	38	343-12d1.97	1.97	12.0	2.0	38
343-12d1.54	1.54	12.0	2.0	38	343-12d1.98	1.98	12.0	2.0	38
343-12d1.55	1.55	12.0	2.0	38	343-12d1.99	1.99	12.0	2.0	38
343-12d1.56	1.56	12.0	2.0	38	343-12d2.00	2.00	12.0	2.0	38
343-12d1.57	1.57	12.0	2.0	38	343-12d2.05	2.05	12.0	3.0	38
343-12d1.58	1.58	12.0	2.0	38	343-12d2.10	2.10	12.0	3.0	38
343-12d1.59	1.59	12.0	2.0	38	343-12d2.15	2.15	12.0	3.0	38
343-12d1.60	1.60	12.0	2.0	38	343-12d2.17	2.17	12.0	3.0	38
343-12d1.61	1.61	12.0	2.0	38	343-12d2.18	2.18	12.0	3.0	38
343-12d1.62	1.62	12.0	2.0	38	343-12d2.20	2.20	12.0	3.0	38
343-12d1.63	1.63	12.0	2.0	38	343-12d2.25	2.25	12.0	3.0	38
343-12d1.64	1.64	12.0	2.0	38	343-12d2.27	2.27	12.0	3.0	38
343-12d1.65	1.65	12.0	2.0	38	343-12d2.28	2.28	12.0	3.0	38
343-12d1.66	1.66	12.0	2.0	38	343-12d2.30	2.30	12.0	3.0	38
343-12d1.67	1.67	12.0	2.0	38	343-12d2.35	2.35	12.0	3.0	38
343-12d1.68	1.68	12.0	2.0	38	343-12d2.37	2.37	12.0	3.0	38
343-12d1.69	1.69	12.0	2.0	38	343-12d2.38	2.38	12.0	3.0	38
343-12d1.70	1.70	12.0	2.0	38	343-12d2.40	2.40	12.0	3.0	38
343-12d1.71	1.71	12.0	2.0	38	343-12d2.45	2.45	12.0	3.0	38
343-12d1.72	1.72	12.0	2.0	38	343-12d2.50	2.50	12.0	3.0	38
343-12d1.73	1.73	12.0	2.0	38	343-12d2.55	2.55	12.0	3.0	38
343-12d1.74	1.74	12.0	2.0	38	343-12d2.60	2.60	12.0	3.0	38
343-12d1.75	1.75	12.0	2.0	38	343-12d2.65	2.65	12.0	3.0	38
343-12d1.76	1.76	12.0	2.0	38	343-12d2.70	2.70	12.0	3.0	38
343-12d1.77	1.77	12.0	2.0	38	343-12d2.80	2.80	12.0	3.0	38
343-12d1.78	1.78	12.0	2.0	38	343-12d2.90	2.90	12.0	3.0	38
343-12d1.79	1.79	12.0	2.0	38	343-12d2.95	2.95	12.0	3.0	38



343-12

Continuation

Drill - helix 34° - l₁=12 mm

Art. n°	d ₁	l ₁	D	L
343-12d3.00	3.00	12.0	3.0	38
343-12d3.10	3.10	12.0	4.0	38
343-12d3.20	3.20	12.0	4.0	38
343-12d3.30	3.30	12.0	4.0	38
343-12d3.40	3.40	12.0	4.0	38
343-12d3.50	3.50	12.0	4.0	38
343-12d3.60	3.60	12.0	4.0	38
343-12d3.70	3.70	12.0	4.0	38
343-12d3.80	3.80	12.0	4.0	38
343-12d3.90	3.90	12.0	4.0	38
343-12d4.00	4.00	12.0	4.0	38
343-12d4.10	4.10	12.0	4.5	38
343-12d4.20	4.20	12.0	4.5	38
343-12d4.30	4.30	12.0	4.5	38
343-12d4.40	4.40	12.0	4.5	38
343-12d4.50	4.50	12.0	4.5	38
343-12d5.00	5.00	12.0	5.0	38
343-12d5.50	5.50	12.0	5.5	38
343-12d6.00	6.00	12.0	6.0	38



118°

Z2λ
34°**MG10****N**

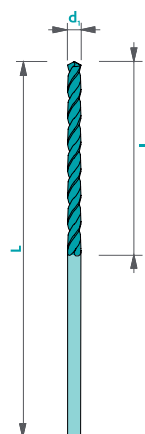
Long twist drill - helix 34°

352

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	60	70	□	■	Trio
Steel > 700 N/mm ²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

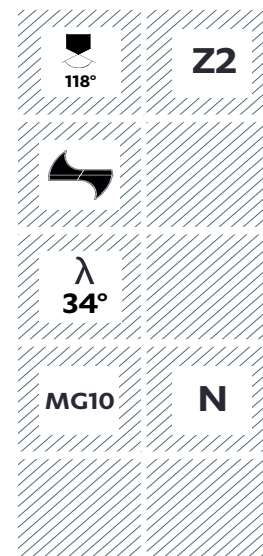
not adapted - adapted □ highly adapted ■

Tolerances $d_1: h5$



Art. n°	d_1	l_1	L
352d0.300	0.300	3.7	38
352d0.350	0.350	3.7	38
352d0.400	0.400	4.7	38
352d0.450	0.450	4.7	38
352d0.500	0.500	5.7	38
352d0.550	0.550	5.7	38
352d0.600	0.600	7.7	38
352d0.650	0.650	7.7	38
352d0.700	0.700	9.7	38
352d0.750	0.750	9.7	38
352d0.800	0.800	11.7	38
352d0.850	0.850	11.7	38
352d0.900	0.900	14.7	38
352d0.950	0.950	14.7	38
352d1.000	1.000	14.7	38
352d1.050	1.050	14.7	38
352d1.100	1.100	14.7	38
352d1.150	1.150	14.7	38
352d1.200	1.200	14.7	38
352d1.250	1.250	14.7	38
352d1.300	1.300	14.7	38
352d1.350	1.350	14.7	38
352d1.400	1.400	14.7	38
352d1.450	1.450	14.7	38
352d1.500	1.500	14.7	38
352d1.550	1.550	14.7	38
352d1.600	1.600	14.7	38
352d1.650	1.650	14.7	38
352d1.700	1.700	14.7	38
352d1.750	1.750	14.7	38
352d1.800	1.800	14.7	38
352d1.850	1.850	14.7	38

Art. n°	d_1	l_1	L
352d1.900	1.900	14.7	38
352d1.950	1.950	14.7	38
352d2.000	2.000	14.7	38
352d2.050	2.050	14.7	38
352d2.100	2.100	14.7	38
352d2.150	2.150	14.7	38
352d2.200	2.200	14.7	38
352d2.250	2.250	14.7	38
352d2.300	2.300	14.7	38
352d2.350	2.350	14.7	38
352d2.400	2.400	14.7	38
352d2.450	2.450	14.7	38
352d2.500	2.500	14.7	38
352d2.550	2.550	14.7	38
352d2.600	2.600	14.7	38
352d2.650	2.650	14.7	38
352d2.700	2.700	14.7	38
352d2.750	2.750	14.7	38
352d2.800	2.800	14.7	38
352d2.850	2.850	14.7	38
352d2.900	2.900	14.7	38
352d2.950	2.950	14.7	38
352d3.000	3.000	14.7	38
352d3.050	3.050	14.7	38
352d3.100	3.100	14.7	38
352d3.150	3.150	14.7	38
352d3.175	3.175	14.7	38
352d3.200	3.200	19.7	50
352d3.300	3.300	19.7	50
352d3.400	3.400	19.7	50
352d3.500	3.500	19.7	50
352d3.600	3.600	19.7	50



Long twist drill - helix 34°



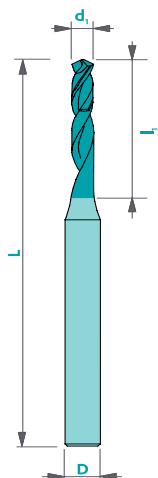
	118°	Z2
	λ 34°	
MG10		N

Art. n°	d ₁	l ₁	L
352d3.700	3.700	19.7	50
352d3.800	3.800	19.7	50
352d3.900	3.900	19.7	50
352d4.000	4.000	19.7	50
352d4.100	4.100	24.7	50
352d4.200	4.200	24.7	50
352d4.300	4.300	24.7	50
352d4.400	4.400	24.7	50
352d4.500	4.500	24.7	50
352d4.600	4.600	24.7	50
352d4.700	4.700	24.7	50
352d4.800	4.800	24.7	50
352d4.900	4.900	24.7	50
352d5.000	5.000	24.7	50
352d5.100	5.100	24.7	50
352d5.200	5.200	24.7	50
352d5.300	5.300	24.7	50
352d5.400	5.400	24.7	50
352d5.500	5.500	24.7	50
352d5.600	5.600	24.7	50
352d5.700	5.700	24.7	50
352d5.800	5.800	24.7	50
352d5.900	5.900	24.7	50
352d6.000	6.000	24.7	50
352d6.100	6.100	30.0	70
352d6.200	6.200	30.0	70
352d6.300	6.300	30.0	70
352d6.400	6.400	30.0	70
352d6.500	6.500	30.0	70
352d6.600	6.600	30.0	70
352d6.700	6.700	30.0	70
352d6.800	6.800	33.0	74
352d6.900	6.900	33.0	74
352d7.000	7.000	33.0	74
352d7.100	7.100	33.0	74
352d7.200	7.200	33.0	74
352d7.300	7.300	33.0	74
352d7.400	7.400	33.0	74
352d7.500	7.500	33.0	74
352d7.600	7.600	36.0	79
352d7.700	7.700	36.0	79
352d7.800	7.800	36.0	79
352d7.900	7.900	36.0	79
352d8.000	8.000	36.0	79
352d8.100	8.100	36.0	79
352d8.200	8.200	36.0	79
352d8.300	8.300	36.0	79
352d8.400	8.400	36.0	79

Art. n°	d ₁	l ₁	L
352d8.500	8.500	36.0	79
352d8.600	8.600	39.0	84
352d8.700	8.700	39.0	84
352d8.800	8.800	39.0	84
352d8.900	8.900	39.0	84
352d9.000	9.000	39.0	84
352d9.100	9.100	39.0	84
352d9.200	9.200	39.0	84
352d9.300	9.300	39.0	84
352d9.400	9.400	39.0	84
352d9.500	9.500	39.0	84
352d9.600	9.600	41.0	89
352d9.700	9.700	41.0	89
352d9.800	9.800	41.0	89
352d9.900	9.900	41.0	89
352d10.000	10.000	41.0	89
352d10.200	10.200	41.0	89
352d10.500	10.500	41.0	89
352d11.000	11.000	45.0	95
352d11.500	11.500	45.0	95
352d12.000	12.000	49.0	102
352d12.500	12.500	49.0	102
352d13.000	13.000	49.0	102
352d13.500	13.500	52.0	107
352d14.000	14.000	52.0	107
352d15.000	15.000	54.0	111
352d16.000	16.000	56.0	115
352d17.000	17.000	58.0	119
352d18.000	18.000	60.0	123
352d19.000	19.000	62.0	127
352d20.000	20.000	64.0	131

EXPERT drill - stainless steel

370



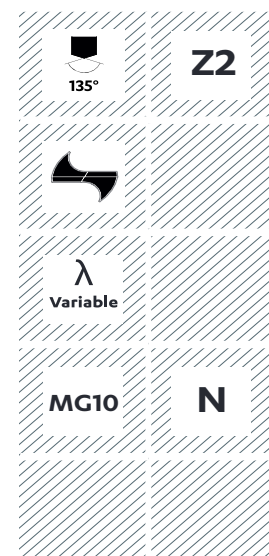
Ø drill	f [mm/rotation]	Vc [m/min]	Pecking
Ø 0.50 - Ø 0.70	0.01 / 0.015	25	1/3xØ
Ø 0.71 - Ø 0.99	0.015 / 0.02	25	1/3xØ
Ø 1.00 - Ø 1.50	0.02 / 0.03	30	1/3xØ
Ø 1.50 - Ø 2.00	0.03 / 0.04	30	1/3xØ
Ø 2.00 - Ø 3.00	0.045 / 0.055	30	1/3xØ

Pre-centering with center drill ref. 337-2 recommended for diameters < 1.00 mm

Tolerances d_1 : -0.002/-0.004 D : h5
 l_1 : 0.02/-0



Art. n°	d_1	l_1	D	L	Art. n°	d_1	l_1	D	L
370d0.50	0.50	4	3	38	370d0.79	0.79	5	3	38
370d0.51	0.51	4	3	38	370d0.80	0.80	6	3	38
370d0.52	0.52	4	3	38	370d0.81	0.81	6	3	38
370d0.53	0.53	4	3	38	370d0.82	0.82	6	3	38
370d0.54	0.54	4	3	38	370d0.83	0.83	6	3	38
370d0.55	0.55	4	3	38	370d0.84	0.84	6	3	38
370d0.56	0.56	4	3	38	370d0.85	0.85	6	3	38
370d0.57	0.57	4	3	38	370d0.86	0.86	6	3	38
370d0.58	0.58	4	3	38	370d0.87	0.87	6	3	38
370d0.59	0.59	4	3	38	370d0.88	0.88	6	3	38
370d0.60	0.60	5	3	38	370d0.89	0.89	6	3	38
370d0.61	0.61	5	3	38	370d0.90	0.90	6	3	38
370d0.62	0.62	5	3	38	370d0.91	0.91	8	3	38
370d0.63	0.63	5	3	38	370d0.92	0.92	8	3	38
370d0.64	0.64	5	3	38	370d0.93	0.93	8	3	38
370d0.65	0.65	5	3	38	370d0.94	0.94	8	3	38
370d0.66	0.66	5	3	38	370d0.95	0.95	8	3	38
370d0.67	0.67	5	3	38	370d0.96	0.96	8	3	38
370d0.68	0.68	5	3	38	370d0.97	0.97	8	3	38
370d0.69	0.69	5	3	38	370d0.98	0.98	8	3	38
370d0.70	0.70	5	3	38	370d0.99	0.99	8	3	38
370d0.71	0.71	5	3	38	370d1.00	1.00	8	3	38
370d0.72	0.72	5	3	38	370d1.01	1.01	8	3	38
370d0.73	0.73	5	3	38	370d1.02	1.02	8	3	38
370d0.74	0.74	5	3	38	370d1.03	1.03	8	3	38
370d0.75	0.75	5	3	38	370d1.04	1.04	8	3	38
370d0.76	0.76	5	3	38	370d1.05	1.05	8	3	38
370d0.77	0.77	5	3	38	370d1.06	1.06	8	3	38
370d0.78	0.78	5	3	38	370d1.07	1.07	8	3	38



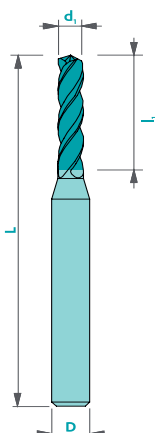


Art. n°	d ₁	l ₁	D	L
370d1.08	1.08	8	3	38
370d1.09	1.09	8	3	38
370d1.10	1.10	8	3	38
370d1.11	1.11	8	3	38
370d1.12	1.12	8	3	38
370d1.13	1.13	8	3	38
370d1.14	1.14	8	3	38
370d1.15	1.15	8	3	38
370d1.16	1.16	8	3	38
370d1.17	1.17	8	3	38
370d1.18	1.18	8	3	38
370d1.19	1.19	8	3	38
370d1.20	1.20	8	3	38
370d1.21	1.21	8	3	38
370d1.22	1.22	8	3	38
370d1.23	1.23	8	3	38
370d1.24	1.24	8	3	38
370d1.25	1.25	8	3	38
370d1.26	1.26	8	3	38
370d1.27	1.27	8	3	38
370d1.28	1.28	8	3	38
370d1.29	1.29	8	3	38
370d1.30	1.30	8	3	38
370d1.31	1.31	8	3	38
370d1.32	1.32	8	3	38
370d1.33	1.33	8	3	38
370d1.34	1.34	8	3	38
370d1.35	1.35	8	3	38
370d1.36	1.36	8	3	38
370d1.37	1.37	8	3	38
370d1.38	1.38	8	3	38
370d1.39	1.39	8	3	38
370d1.40	1.40	8	3	38
370d1.41	1.41	8	3	38
370d1.42	1.42	8	3	38
370d1.43	1.43	8	3	38
370d1.44	1.44	8	3	38
370d1.45	1.45	8	3	38
370d1.46	1.46	8	3	38
370d1.47	1.47	8	3	38
370d1.48	1.48	8	3	38
370d1.49	1.49	8	3	38
370d1.50	1.50	12	3	38
370d1.55	1.55	12	3	38
370d1.60	1.60	12	3	38

Art. n°	d ₁	l ₁	D	L
370d1.65	1.65	12	3	38
370d1.70	1.70	12	3	38
370d1.75	1.75	12	3	38
370d1.80	1.80	12	3	38
370d1.85	1.85	12	3	38
370d1.90	1.90	12	3	38
370d1.95	1.95	12	3	38
370d2.00	2.00	12	3	38
370d2.05	2.05	12	3	38
370d2.10	2.10	12	3	38
370d2.15	2.15	12	3	38
370d2.20	2.20	12	3	38
370d2.25	2.25	12	3	38
370d2.30	2.30	12	3	38
370d2.35	2.35	12	3	38
370d2.40	2.40	12	3	38
370d2.45	2.45	12	3	38
370d2.50	2.50	12	3	38
370d2.60	2.60	12	3	38
370d2.70	2.70	12	3	38
370d2.80	2.80	12	3	38
370d2.90	2.90	12	3	38
370d3.00	3.00	12	3	38

Twist drill Z3 - shank Ø3

353



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	60	70	□	■	Trio
Steel > 700 N/mm²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

not adapted - adapted □ highly adapted ■

Tolerances d₁: -0.002/-0.004
D: h5

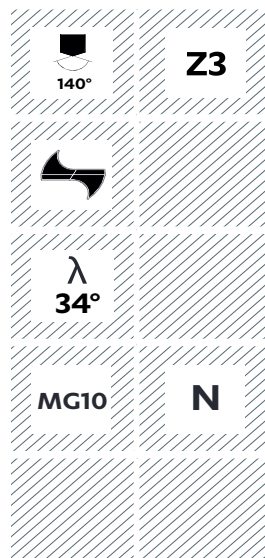


Art. n°	d ₁	l ₁	D	L
353d0.15	0.15	2.0	3.0	38
353d0.18	0.18	2.0	3.0	38
353d0.20	0.20	3.0	3.0	38
353d0.21	0.21	3.0	3.0	38
353d0.22	0.22	3.0	3.0	38
353d0.23	0.23	3.0	3.0	38
353d0.24	0.24	3.0	3.0	38
353d0.25	0.25	3.5	3.0	38
353d0.26	0.26	3.5	3.0	38
353d0.27	0.27	3.5	3.0	38
353d0.28	0.28	3.5	3.0	38
353d0.29	0.29	3.5	3.0	38
353d0.30	0.30	5.0	3.0	38
353d0.31	0.31	5.0	3.0	38
353d0.32	0.32	5.0	3.0	38
353d0.33	0.33	5.0	3.0	38
353d0.34	0.34	5.0	3.0	38
353d0.35	0.35	5.0	3.0	38
353d0.36	0.36	5.0	3.0	38
353d0.37	0.37	5.0	3.0	38
353d0.38	0.38	5.0	3.0	38
353d0.39	0.39	5.0	3.0	38
353d0.40	0.40	6.0	3.0	38
353d0.41	0.41	6.0	3.0	38
353d0.42	0.42	6.0	3.0	38
353d0.43	0.43	6.0	3.0	38
353d0.44	0.44	6.0	3.0	38
353d0.45	0.45	6.0	3.0	38
353d0.46	0.46	6.0	3.0	38

Art. n°	d ₁	l ₁	D	L
353d0.47	0.47	6.0	3.0	38
353d0.48	0.48	6.0	3.0	38
353d0.49	0.49	6.0	3.0	38
353d0.50	0.50	6.0	3.0	38
353d0.51	0.51	6.0	3.0	38
353d0.52	0.52	6.0	3.0	38
353d0.53	0.53	6.0	3.0	38
353d0.54	0.54	6.0	3.0	38
353d0.55	0.55	7.0	3.0	38
353d0.56	0.56	7.0	3.0	38
353d0.57	0.57	7.0	3.0	38
353d0.58	0.58	7.0	3.0	38
353d0.59	0.59	7.0	3.0	38
353d0.60	0.60	7.0	3.0	38
353d0.61	0.61	7.0	3.0	38
353d0.62	0.62	7.0	3.0	38
353d0.63	0.63	7.0	3.0	38
353d0.64	0.64	7.0	3.0	38
353d0.65	0.65	7.0	3.0	38
353d0.66	0.66	7.0	3.0	38
353d0.67	0.67	7.0	3.0	38
353d0.68	0.68	7.0	3.0	38
353d0.69	0.69	7.0	3.0	38
353d0.70	0.70	9.5	3.0	38
353d0.71	0.71	9.5	3.0	38
353d0.72	0.72	9.5	3.0	38
353d0.73	0.73	9.5	3.0	38
353d0.74	0.74	9.5	3.0	38
353d0.75	0.75	9.5	3.0	38



Twist drill - Z3 - shank Ø3



Art. n°	d ₁	l ₁	D	L
353d0.76	0.76	9.5	3.0	38
353d0.77	0.77	9.5	3.0	38
353d0.78	0.78	9.5	3.0	38
353d0.79	0.79	9.5	3.0	38
353d0.80	0.80	9.5	3.0	38
353d0.81	0.81	9.5	3.0	38
353d0.82	0.82	9.5	3.0	38
353d0.83	0.83	9.5	3.0	38
353d0.84	0.84	9.5	3.0	38
353d0.85	0.85	9.5	3.0	38
353d0.86	0.86	9.5	3.0	38
353d0.87	0.87	9.5	3.0	38
353d0.88	0.88	9.5	3.0	38
353d0.89	0.89	9.5	3.0	38
353d0.90	0.90	9.5	3.0	38
353d0.91	0.91	9.5	3.0	38
353d0.92	0.92	9.5	3.0	38
353d0.93	0.93	9.5	3.0	38
353d0.94	0.94	9.5	3.0	38
353d0.95	0.95	9.5	3.0	38
353d0.96	0.96	9.5	3.0	38
353d0.97	0.97	9.5	3.0	38
353d0.98	0.98	9.5	3.0	38
353d0.99	0.99	9.5	3.0	38
353d1.00	1.00	9.5	3.0	38
353d1.01	1.01	9.5	3.0	38
353d1.02	1.02	9.5	3.0	38
353d1.03	1.03	9.5	3.0	38
353d1.04	1.04	9.5	3.0	38
353d1.05	1.05	10.5	3.0	38
353d1.06	1.06	10.5	3.0	38
353d1.07	1.07	10.5	3.0	38
353d1.08	1.08	10.5	3.0	38
353d1.09	1.09	10.5	3.0	38
353d1.10	1.10	10.5	3.0	38
353d1.11	1.11	10.5	3.0	38
353d1.12	1.12	10.5	3.0	38
353d1.13	1.13	10.5	3.0	38
353d1.14	1.14	10.5	3.0	38
353d1.15	1.15	10.5	3.0	38
353d1.16	1.16	10.5	3.0	38
353d1.17	1.17	10.5	3.0	38
353d1.18	1.18	10.5	3.0	38
353d1.19	1.19	10.5	3.0	38

Art. n°	d ₁	l ₁	D	L
353d1.20	1.20	10.5	3.0	38
353d1.21	1.21	10.5	3.0	38
353d1.22	1.22	10.5	3.0	38
353d1.23	1.23	10.5	3.0	38
353d1.24	1.24	10.5	3.0	38
353d1.25	1.25	10.5	3.0	38
353d1.26	1.26	10.5	3.0	38
353d1.27	1.27	10.5	3.0	38
353d1.28	1.28	10.5	3.0	38
353d1.29	1.29	10.5	3.0	38
353d1.30	1.30	10.5	3.0	38
353d1.31	1.31	10.5	3.0	38
353d1.32	1.32	10.5	3.0	38
353d1.33	1.33	10.5	3.0	38
353d1.34	1.34	10.5	3.0	38
353d1.35	1.35	10.5	3.0	38
353d1.36	1.36	10.5	3.0	38
353d1.37	1.37	10.5	3.0	38
353d1.38	1.38	10.5	3.0	38
353d1.39	1.39	10.5	3.0	38
353d1.40	1.40	10.5	3.0	38
353d1.41	1.41	10.5	3.0	38
353d1.42	1.42	10.5	3.0	38
353d1.43	1.43	10.5	3.0	38
353d1.44	1.44	10.5	3.0	38
353d1.45	1.45	10.5	3.0	38
353d1.46	1.46	10.5	3.0	38
353d1.47	1.47	10.5	3.0	38
353d1.48	1.48	10.5	3.0	38
353d1.49	1.49	10.5	3.0	38
353d1.50	1.50	10.5	3.0	38
353d1.51	1.51	10.5	3.0	38
353d1.52	1.52	10.5	3.0	38
353d1.53	1.53	10.5	3.0	38
353d1.54	1.54	10.5	3.0	38
353d1.55	1.55	10.5	3.0	38
353d1.56	1.56	10.5	3.0	38
353d1.57	1.57	10.5	3.0	38
353d1.58	1.58	10.5	3.0	38
353d1.59	1.59	10.5	3.0	38
353d1.60	1.60	10.5	3.0	38
353d1.61	1.61	10.5	3.0	38
353d1.62	1.62	10.5	3.0	38



Twist drill - Z3 - shank Ø3

353

Continuation

Art. n°	d ₁	l ₁	D	L	Art. n°	d ₁	l ₁	D	L
353d1.63	1.63	10.5	3.0	38	353d2.30	2.30	10.5	3.0	38
353d1.64	1.64	10.5	3.0	38	353d2.35	2.35	10.5	3.0	38
353d1.65	1.65	10.5	3.0	38	353d2.40	2.40	10.5	3.0	38
353d1.66	1.66	10.5	3.0	38	353d2.45	2.45	10.5	3.0	38
353d1.67	1.67	10.5	3.0	38	353d2.50	2.50	10.5	3.0	38
353d1.68	1.68	10.5	3.0	38	353d2.55	2.55	10.5	3.0	38
353d1.69	1.69	10.5	3.0	38	353d2.60	2.60	10.5	3.0	38
353d1.70	1.70	10.5	3.0	38	353d2.65	2.65	10.5	3.0	38
353d1.71	1.71	10.5	3.0	38	353d2.70	2.70	10.5	3.0	38
353d1.72	1.72	10.5	3.0	38	353d2.75	2.75	10.5	3.0	38
353d1.73	1.73	10.5	3.0	38	353d2.80	2.80	10.5	3.0	38
353d1.74	1.74	10.5	3.0	38	353d2.85	2.85	10.5	3.0	38
353d1.75	1.75	10.5	3.0	38	353d2.90	2.90	10.5	3.0	38
353d1.76	1.76	10.5	3.0	38	353d2.95	2.95	10.5	3.0	38
353d1.77	1.77	10.5	3.0	38	353d3.00	3.00	10.5	3.0	38
353d1.78	1.78	10.5	3.0	38					
353d1.79	1.79	10.5	3.0	38					
353d1.80	1.80	10.5	3.0	38					
353d1.81	1.81	10.5	3.0	38					
353d1.82	1.82	10.5	3.0	38					
353d1.83	1.83	10.5	3.0	38					
353d1.84	1.84	10.5	3.0	38					
353d1.85	1.85	10.5	3.0	38					
353d1.86	1.86	10.5	3.0	38					
353d1.87	1.87	10.5	3.0	38					
353d1.88	1.88	10.5	3.0	38					
353d1.89	1.89	10.5	3.0	38					
353d1.90	1.90	10.5	3.0	38					
353d1.91	1.91	10.5	3.0	38					
353d1.92	1.92	10.5	3.0	38					
353d1.93	1.93	10.5	3.0	38					
353d1.94	1.94	10.5	3.0	38					
353d1.95	1.95	10.5	3.0	38					
353d1.96	1.96	10.5	3.0	38					
353d1.97	1.97	10.5	3.0	38					
353d1.98	1.98	10.5	3.0	38					
353d1.99	1.99	10.5	3.0	38					
353d2.00	2.00	10.5	3.0	38					
353d2.05	2.05	10.5	3.0	38					
353d2.10	2.10	10.5	3.0	38					
353d2.15	2.15	10.5	3.0	38					
353d2.20	2.20	10.5	3.0	38					
353d2.25	2.25	10.5	3.0	38					



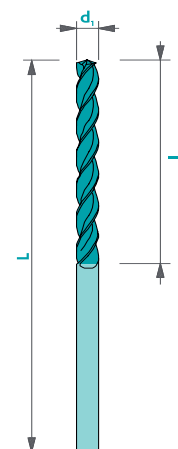
Twist drill Z3 - long serie



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm²	60	70	□	■	Trio
Steel > 700 N/mm²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

not adapted - adapted □ highly adapted ■

Tolerances d_1 : h5



Art. n°	d_1	L_1	L
353-2d1.00	1.00	11.5	38
353-2d1.10	1.10	13.0	38
353-2d1.20	1.20	15.0	38
353-2d1.30	1.30	15.0	38
353-2d1.40	1.40	17.0	40
353-2d1.50	1.50	17.0	40
353-2d1.60	1.60	19.0	43
353-2d1.70	1.70	19.0	43
353-2d1.80	1.80	21.0	46
353-2d1.90	1.90	21.0	46
353-2d2.00	2.00	22.0	49
353-2d2.10	2.10	22.0	49
353-2d2.20	2.20	25.0	53
353-2d2.30	2.30	25.0	53
353-2d2.40	2.40	28.0	57
353-2d2.50	2.50	28.0	57
353-2d2.60	2.60	28.0	57
353-2d2.70	2.70	31.0	61
353-2d2.80	2.80	31.0	61
353-2d2.90	2.90	31.0	61
353-2d3.00	3.00	31.0	61
353-2d3.10	3.10	34.0	65
353-2d3.20	3.20	34.0	65
353-2d3.30	3.30	34.0	65
353-2d3.40	3.40	37.0	70
353-2d3.50	3.50	37.0	70
353-2d3.60	3.60	37.0	70
353-2d3.70	3.70	37.0	70
353-2d3.80	3.80	41.0	75
353-2d3.90	3.90	41.0	75
353-2d4.00	4.00	41.0	75

Art. n°	d_1	L_1	L
353-2d4.10	4.10	41.0	75
353-2d4.20	4.20	41.0	75
353-2d4.30	4.30	45.0	80
353-2d4.40	4.40	45.0	80
353-2d4.50	4.50	45.0	80
353-2d4.60	4.60	45.0	80
353-2d4.70	4.70	45.0	80
353-2d4.80	4.80	50.0	86
353-2d4.90	4.90	50.0	86
353-2d5.00	5.00	50.0	86
353-2d5.10	5.10	50.0	86
353-2d5.20	5.20	50.0	86
353-2d5.30	5.30	50.0	86
353-2d5.40	5.40	55.0	93
353-2d5.50	5.50	55.0	93
353-2d5.60	5.60	55.0	93
353-2d5.70	5.70	55.0	93
353-2d5.80	5.80	55.0	93
353-2d5.90	5.90	55.0	93
353-2d6.00	6.00	55.0	93
353-2d6.10	6.10	60.0	101
353-2d6.20	6.20	60.0	101
353-2d6.30	6.30	60.0	101
353-2d6.40	6.40	60.0	101
353-2d6.50	6.50	60.0	101
353-2d6.60	6.60	60.0	101
353-2d6.70	6.70	60.0	101
353-2d6.80	6.80	66.0	109
353-2d6.90	6.90	66.0	109

Twist drill Z3 - long serie

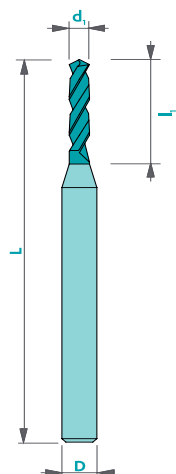
353-2

Continuation

Art. n°	d ₁	l ₁	L
353-2d7.00	7.00	66.0	109
353-2d7.10	7.10	66.0	109
353-2d7.20	7.20	66.0	109
353-2d7.30	7.30	66.0	109
353-2d7.40	7.40	66.0	109
353-2d7.50	7.50	66.0	109
353-2d7.60	7.60	72.0	117
353-2d7.70	7.70	72.0	117
353-2d7.80	7.80	72.0	117
353-2d7.90	7.90	72.0	117
353-2d8.00	8.00	72.0	117
353-2d8.10	8.10	72.0	117
353-2d8.20	8.20	72.0	117
353-2d8.30	8.30	72.0	117
353-2d8.40	8.40	72.0	117
353-2d8.50	8.50	72.0	117
353-2d8.60	8.60	78.0	125
353-2d8.70	8.70	78.0	125
353-2d8.80	8.80	78.0	125
353-2d8.90	8.90	78.0	125
353-2d9.00	9.00	78.0	125
353-2d9.10	9.10	78.0	125
353-2d9.20	9.20	78.0	125
353-2d9.30	9.30	78.0	125
353-2d9.40	9.40	78.0	125
353-2d9.50	9.50	78.0	125
353-2d9.60	9.60	84.0	133
353-2d9.70	9.70	84.0	133
353-2d9.80	9.80	84.0	133
353-2d9.90	9.90	84.0	133
353-2d10.00	10.00	84.0	133
353-2d10.20	10.20	84.0	133
353-2d10.50	10.50	84.0	133
353-2d11.00	11.00	91.0	142
353-2d11.50	11.50	91.0	142
353-2d12.00	12.00	98.0	151
353-2d12.50	12.50	98.0	151
353-2d13.00	13.00	98.0	151
353-2d13.50	13.50	105.0	160
353-2d14.00	14.00	105.0	160



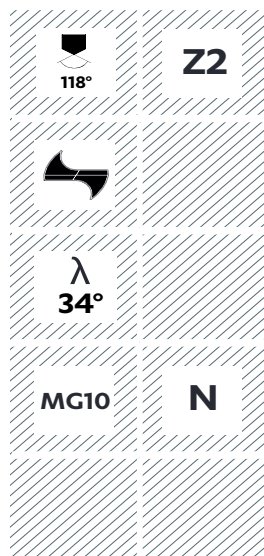
Drill with coolant holes



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	60	70	□	■	Trio
Steel > 700 N/mm ²	50	60	□	■	Trio
Stainless steel	40	50	□	■	Trio
Cast iron	30	40	□	■	Solo
Copper	50	60	□	■	Solo
Brass - Bronze	120	130	■	□	Solo
Aluminium	130	140	□	■	Nemo
Gold - Silver	80	90	■	□	Solo
Platinum - Palladium	-	18	-	■	Solo
Superalloy	-	20	-	■	Trio
Titanium	30	40	□	■	Nemo

Tolerances

d_1 : -0.002/-0.004
D: h5



Art. n°	d_1	l_1	D	L
344d0.70	0.70	6.0	3	38
344d0.75	0.75	6.0	3	38
344d0.80	0.80	6.0	3	38
344d0.85	0.85	6.0	3	38
344d0.90	0.90	6.0	3	38
344d0.95	0.95	6.0	3	38
344d1.00	1.00	8.0	3	38
344d1.10	1.10	8.0	3	38
344d1.20	1.20	8.0	3	38
344d1.25	1.25	8.0	3	38
344d1.30	1.30	8.0	3	38
344d1.40	1.40	8.0	3	38
344d1.50	1.50	12.0	3	38
344d1.60	1.60	12.0	3	38
344d1.70	1.70	12.0	3	38
344d1.75	1.75	12.0	3	38
344d1.80	1.80	12.0	3	38
344d1.90	1.90	12.0	3	38
344d2.00	2.00	12.0	3	38
344d2.10	2.10	12.0	3	38
344d2.20	2.20	12.0	3	38
344d2.30	2.30	12.0	3	38
344d2.40	2.40	12.0	3	38
344d2.50	2.50	12.0	3	38
344d2.60	2.60	12.0	3	38
344d2.70	2.70	12.0	3	38
344d2.80	2.80	12.0	3	38
344d2.90	2.90	12.0	3	38
344d3.00	3.00	12.0	3	38

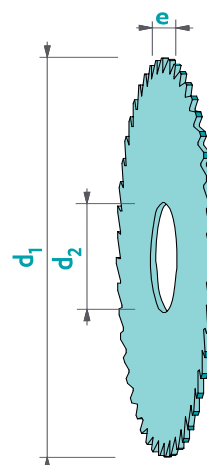
Slitting saw DIN 1838 coarse pitch

223

Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	80	120	□	■	Nemo
Steel > 700 N/mm ²	60	100	□	■	Nemo
Stainless steel	60	100	□	■	Nemo
Cast iron	50	90	□	■	Nemo
Copper	200	300	□	■	Solo
Brass - Bronze	200	300	■	□	Solo
Aluminium	250	400	□	■	Solo
Gold - Silver	150	300	□	■	Solo
Platinum - Palladium	-	-	-	-	-
Superalloy	20	40	□	■	Trio
Titanium	40	60	■	■	Rico

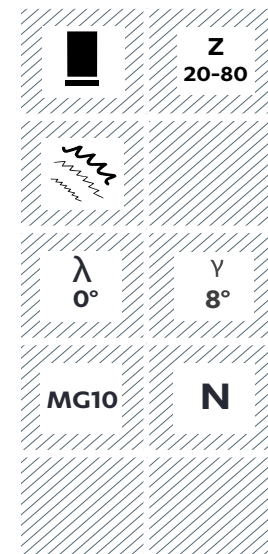
not adapted - adapted □ highly adapted ■

Tolerance e: +0/-0.01
d₂: h7

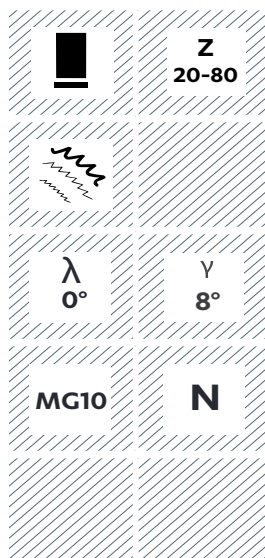


Art. n°	d ₁	e	d ₂	Z
223d15e0.20a5Z20	15	0.20	5	20
223d15e0.25a5Z20	15	0.25	5	20
223d15e0.30a5Z20	15	0.30	5	20
223d15e0.35a5Z20	15	0.35	5	20
223d15e0.40a5Z20	15	0.40	5	20
223d15e0.45a5Z20	15	0.45	5	20
223d15e0.50a5Z20	15	0.50	5	20
223d15e0.60a5Z20	15	0.60	5	20
223d15e0.70a5Z20	15	0.70	5	20
223d15e0.80a5Z20	15	0.80	5	20
223d15e0.90a5Z20	15	0.90	5	20
223d15e1.00a5Z20	15	1.00	5	20
223d15e1.10a5Z20	15	1.10	5	20
223d15e1.20a5Z20	15	1.20	5	20
223d15e1.30a5Z20	15	1.30	5	20
223d15e1.40a5Z20	15	1.40	5	20
223d15e1.50a5Z20	15	1.50	5	20
223d15e1.60a5Z20	15	1.60	5	20
223d15e1.70a5Z20	15	1.70	5	20
223d15e1.80a5Z20	15	1.80	5	20
223d15e1.90a5Z20	15	1.90	5	20
223d15e2.00a5Z20	15	2.00	5	20
223d15e2.10a5Z20	15	2.10	5	20
223d15e2.20a5Z20	15	2.20	5	20
223d15e2.30a5Z20	15	2.30	5	20
223d15e2.40a5Z20	15	2.40	5	20
223d15e2.50a5Z20	15	2.50	5	20
223d15e2.60a5Z20	15	2.60	5	20
223d15e2.70a5Z20	15	2.70	5	20
223d15e2.80a5Z20	15	2.80	5	20

Art. n°	d ₁	e	d ₂	Z
223d15e2.90a5Z20	15	2.90	5	20
223d15e3.00a5Z20	15	3.00	5	20
223d15e3.10a5Z20	15	3.10	5	20
223d15e3.20a5Z20	15	3.20	5	20
223d15e3.30a5Z20	15	3.30	5	20
223d15e3.40a5Z20	15	3.40	5	20
223d15e3.50a5Z20	15	3.50	5	20
223d15e3.60a5Z20	15	3.60	5	20
223d15e3.70a5Z20	15	3.70	5	20
223d15e3.80a5Z20	15	3.80	5	20
223d15e3.90a5Z20	15	3.90	5	20
223d15e4.00a5Z20	15	4.00	5	20
223d15e4.50a5Z20	15	4.50	5	20
223d15e5.00a5Z20	15	5.00	5	20
223d15e5.50a5Z20	15	5.50	5	20
223d15e6.00a5Z20	15	6.00	5	20
223d20e0.20a5Z20	20	0.20	5	20
223d20e0.25a5Z20	20	0.25	5	20
223d20e0.30a5Z20	20	0.30	5	20
223d20e0.35a5Z20	20	0.35	5	20
223d20e0.40a5Z20	20	0.40	5	20
223d20e0.45a5Z20	20	0.45	5	20
223d20e0.50a5Z20	20	0.50	5	20
223d20e0.60a5Z20	20	0.60	5	20
223d20e0.70a5Z20	20	0.70	5	20
223d20e0.80a5Z20	20	0.80	5	20
223d20e0.90a5Z20	20	0.90	5	20
223d20e1.00a5Z20	20	1.00	5	20
223d20e1.10a5Z20	20	1.10	5	20
223d20e1.20a5Z20	20	1.20	5	20



Slitting saw DIN 1838 coarse pitch



Art. n°	d ₁	e	d ₂	Z
223d20e1.30a5Z20	20	1.30	5	20
223d20e1.40a5Z20	20	1.40	5	20
223d20e1.50a5Z20	20	1.50	5	20
223d20e1.60a5Z20	20	1.60	5	20
223d20e1.70a5Z20	20	1.70	5	20
223d20e1.80a5Z20	20	1.80	5	20
223d20e1.90a5Z20	20	1.90	5	20
223d20e2.00a5Z20	20	2.00	5	20
223d20e2.10a5Z20	20	2.10	5	20
223d20e2.20a5Z20	20	2.20	5	20
223d20e2.30a5Z20	20	2.30	5	20
223d20e2.40a5Z20	20	2.40	5	20
223d20e2.50a5Z20	20	2.50	5	20
223d20e2.60a5Z20	20	2.60	5	20
223d20e2.70a5Z20	20	2.70	5	20
223d20e2.80a5Z20	20	2.80	5	20
223d20e2.90a5Z20	20	2.90	5	20
223d20e3.00a5Z20	20	3.00	5	20
223d20e3.10a5Z20	20	3.10	5	20
223d20e3.20a5Z20	20	3.20	5	20
223d20e3.30a5Z20	20	3.30	5	20
223d20e3.40a5Z20	20	3.40	5	20
223d20e3.50a5Z20	20	3.50	5	20
223d20e3.60a5Z20	20	3.60	5	20
223d20e3.70a5Z20	20	3.70	5	20
223d20e3.80a5Z20	20	3.80	5	20
223d20e3.90a5Z20	20	3.90	5	20
223d20e4.00a5Z20	20	4.00	5	20
223d20e4.50a5Z20	20	4.50	5	20
223d20e5.00a5Z20	20	5.00	5	20
223d20e5.50a5Z20	20	5.50	5	20
223d20e6.00a5Z20	20	6.00	5	20
223d25e0.20a8Z20	25	0.20	8	20
223d25e0.25a8Z20	25	0.25	8	20
223d25e0.30a8Z20	25	0.30	8	20
223d25e0.35a8Z20	25	0.35	8	20
223d25e0.40a8Z20	25	0.40	8	20
223d25e0.45a8Z20	25	0.45	8	20
223d25e0.50a8Z20	25	0.50	8	20
223d25e0.60a8Z20	25	0.60	8	20
223d25e0.70a8Z20	25	0.70	8	20
223d25e0.80a8Z20	25	0.80	8	20
223d25e0.90a8Z20	25	0.90	8	20
223d25e1.00a8Z20	25	1.00	8	20
223d25e1.10a8Z20	25	1.10	8	20

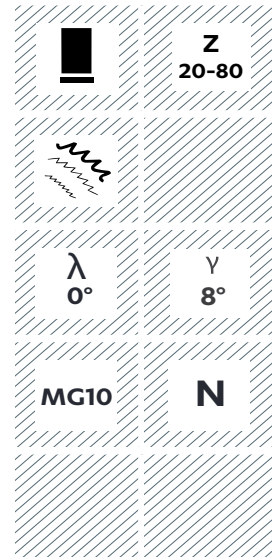
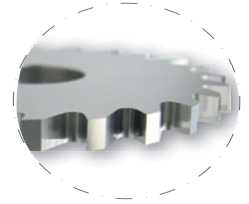
Art. n°	d ₁	e	d ₂	Z
223d25e1.20a8Z20	25	1.20	8	20
223d25e1.30a8Z20	25	1.30	8	20
223d25e1.40a8Z20	25	1.40	8	20
223d25e1.50a8Z20	25	1.50	8	20
223d25e1.60a8Z20	25	1.60	8	20
223d25e1.70a8Z20	25	1.70	8	20
223d25e1.80a8Z20	25	1.80	8	20
223d25e1.90a8Z20	25	1.90	8	20
223d25e2.00a8Z20	25	2.00	8	20
223d25e2.10a8Z20	25	2.10	8	20
223d25e2.20a8Z20	25	2.20	8	20
223d25e2.30a8Z20	25	2.30	8	20
223d25e2.40a8Z20	25	2.40	8	20
223d25e2.50a8Z20	25	2.50	8	20
223d25e2.60a8Z20	25	2.60	8	20
223d25e2.70a8Z20	25	2.70	8	20
223d25e2.80a8Z20	25	2.80	8	20
223d25e2.90a8Z20	25	2.90	8	20
223d25e3.00a8Z20	25	3.00	8	20
223d25e3.10a8Z20	25	3.10	8	20
223d25e3.20a8Z20	25	3.20	8	20
223d25e3.30a8Z20	25	3.30	8	20
223d25e3.40a8Z20	25	3.40	8	20
223d25e3.50a8Z20	25	3.50	8	20
223d25e3.60a8Z20	25	3.60	8	20
223d25e3.70a8Z20	25	3.70	8	20
223d25e3.80a8Z20	25	3.80	8	20
223d25e3.90a8Z20	25	3.90	8	20
223d25e4.00a8Z20	25	4.00	8	20
223d25e4.50a8Z20	25	4.50	8	20
223d25e5.00a8Z20	25	5.00	8	20
223d25e5.50a8Z20	25	5.50	8	20
223d25e6.00a8Z20	25	6.00	8	20
223d30e0.20a8Z30	30	0.20	8	30
223d30e0.25a8Z30	30	0.25	8	30
223d30e0.30a8Z30	30	0.30	8	30
223d30e0.35a8Z30	30	0.35	8	30
223d30e0.40a8Z30	30	0.40	8	30
223d30e0.45a8Z30	30	0.45	8	30
223d30e0.50a8Z30	30	0.50	8	30
223d30e0.60a8Z30	30	0.60	8	30
223d30e0.70a8Z30	30	0.70	8	30
223d30e0.80a8Z24	30	0.80	8	24
223d30e0.90a8Z24	30	0.90	8	24
223d30e1.00a8Z24	30	1.00	8	24

Slitting saw DIN 1838 coarse pitch

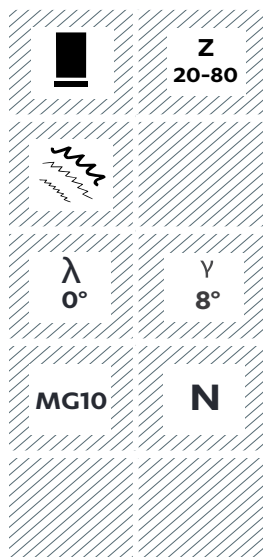
223

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223d30e1.10a8Z24	30	1.10	8	24	223d40e1.00a10Z32	40	1.00	10	32
223d30e1.20a8Z24	30	1.20	8	24	223d40e1.10a10Z32	40	1.10	10	32
223d30e1.30a8Z24	30	1.30	8	24	223d40e1.20a10Z32	40	1.20	10	32
223d30e1.40a8Z24	30	1.40	8	24	223d40e1.30a10Z32	40	1.30	10	32
223d30e1.50a8Z24	30	1.50	8	24	223d40e1.40a10Z32	40	1.40	10	32
223d30e1.60a8Z24	30	1.60	8	24	223d40e1.50a10Z32	40	1.50	10	32
223d30e1.70a8Z24	30	1.70	8	24	223d40e1.60a10Z32	40	1.60	10	32
223d30e1.80a8Z24	30	1.80	8	24	223d40e1.70a10Z24	40	1.70	10	24
223d30e1.90a8Z24	30	1.90	8	24	223d40e1.80a10Z24	40	1.80	10	24
223d30e2.00a8Z24	30	2.00	8	24	223d40e1.90a10Z24	40	1.90	10	24
223d30e2.10a8Z24	30	2.10	8	24	223d40e2.00a10Z24	40	2.00	10	24
223d30e2.20a8Z24	30	2.20	8	24	223d40e2.10a10Z24	40	2.10	10	24
223d30e2.30a8Z24	30	2.30	8	24	223d40e2.20a10Z24	40	2.20	10	24
223d30e2.40a8Z24	30	2.40	8	24	223d40e2.30a10Z24	40	2.30	10	24
223d30e2.50a8Z24	30	2.50	8	24	223d40e2.40a10Z24	40	2.40	10	24
223d30e2.60a8Z24	30	2.60	8	24	223d40e2.50a10Z24	40	2.50	10	24
223d30e2.70a8Z24	30	2.70	8	24	223d40e2.60a10Z24	40	2.60	10	24
223d30e2.80a8Z24	30	2.80	8	24	223d40e2.70a10Z24	40	2.70	10	24
223d30e2.90a8Z24	30	2.90	8	24	223d40e2.80a10Z24	40	2.80	10	24
223d30e3.00a8Z24	30	3.00	8	24	223d40e2.90a10Z24	40	2.90	10	24
223d30e3.10a8Z24	30	3.10	8	24	223d40e3.00a10Z24	40	3.00	10	24
223d30e3.20a8Z24	30	3.20	8	24	223d40e3.10a10Z20	40	3.10	10	20
223d30e3.30a8Z24	30	3.30	8	24	223d40e3.20a10Z20	40	3.20	10	20
223d30e3.40a8Z24	30	3.40	8	24	223d40e3.30a10Z20	40	3.30	10	20
223d30e3.50a8Z24	30	3.50	8	24	223d40e3.40a10Z20	40	3.40	10	20
223d30e3.60a8Z24	30	3.60	8	24	223d40e3.50a10Z20	40	3.50	10	20
223d30e3.70a8Z24	30	3.70	8	24	223d40e3.60a10Z20	40	3.60	10	20
223d30e3.80a8Z24	30	3.80	8	24	223d40e3.70a10Z20	40	3.70	10	20
223d30e3.90a8Z24	30	3.90	8	24	223d40e3.80a10Z20	40	3.80	10	20
223d30e4.00a8Z24	30	4.00	8	24	223d40e3.90a10Z20	40	3.90	10	20
223d30e4.50a8Z24	30	4.50	8	24	223d40e4.00a10Z20	40	4.00	10	20
223d30e5.00a8Z24	30	5.00	8	24	223d40e4.50a10Z20	40	4.50	10	20
223d30e5.50a8Z24	30	5.50	8	24	223d40e5.00a10Z20	40	5.00	10	20
223d30e6.00a8Z24	30	6.00	8	24	223d40e5.50a10Z20	40	5.50	10	20
223d40e0.20a10Z40	40	0.20	10	40	223d40e6.00a10Z20	40	6.00	10	20
223d40e0.25a10Z40	40	0.25	10	40	223d50e0.40a13Z48	50	0.40	13	48
223d40e0.30a10Z40	40	0.30	10	40	223d50e0.45a13Z48	50	0.45	13	48
223d40e0.35a10Z40	40	0.35	10	40	223d50e0.50a13Z48	50	0.50	13	48
223d40e0.40a10Z40	40	0.40	10	40	223d50e0.60a13Z40	50	0.60	13	40
223d40e0.45a10Z40	40	0.45	10	40	223d50e0.70a13Z40	50	0.70	13	40
223d40e0.50a10Z40	40	0.50	10	40	223d50e0.80a13Z40	50	0.80	13	40
223d40e0.60a10Z40	40	0.60	10	40	223d50e0.90a13Z40	50	0.90	13	40
223d40e0.70a10Z40	40	0.70	10	40	223d50e1.00a13Z40	50	1.00	13	40
223d40e0.80a10Z32	40	0.80	10	32	223d50e1.10a13Z40	50	1.10	13	40
223d40e0.90a10Z32	40	0.90	10	32	223d50e1.20a13Z40	50	1.20	13	40



Slitting saw DIN 1838 coarse pitch



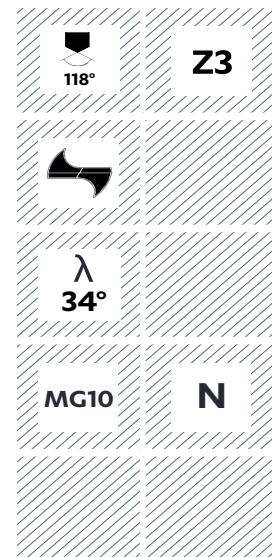
Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223d50e1.30a13Z32	50	1.30	13	32	223d63e1.60a16Z40	63	1.60	16	40
223d50e1.40a13Z32	50	1.40	13	32	223d63e1.70a16Z40	63	1.70	16	40
223d50e1.50a13Z32	50	1.50	13	32	223d63e1.80a16Z40	63	1.80	16	40
223d50e1.60a13Z32	50	1.60	13	32	223d63e1.90a16Z40	63	1.90	16	40
223d50e1.70a13Z32	50	1.70	13	32	223d63e2.00a16Z40	63	2.00	16	40
223d50e1.80a13Z32	50	1.80	13	32	223d63e2.10a16Z32	63	2.10	16	32
223d50e1.90a13Z32	50	1.90	13	32	223d63e2.20a16Z32	63	2.20	16	32
223d50e2.00a13Z32	50	2.00	13	32	223d63e2.30a16Z32	63	2.30	16	32
223d50e2.10a13Z32	50	2.10	13	32	223d63e2.40a16Z32	63	2.40	16	32
223d50e2.20a13Z32	50	2.20	13	32	223d63e2.50a16Z32	63	2.50	16	32
223d50e2.30a13Z32	50	2.30	13	32	223d63e2.60a16Z32	63	2.60	16	32
223d50e2.40a13Z32	50	2.40	13	32	223d63e2.70a16Z32	63	2.70	16	32
223d50e2.50a13Z32	50	2.50	13	32	223d63e2.80a16Z32	63	2.80	16	32
223d50e2.60a13Z24	50	2.60	13	24	223d63e2.90a16Z32	63	2.90	16	32
223d50e2.70a13Z24	50	2.70	13	24	223d63e3.00a16Z32	63	3.00	16	32
223d50e2.80a13Z24	50	2.80	13	24	223d63e3.10a16Z32	63	3.10	16	32
223d50e2.90a13Z24	50	2.90	13	24	223d63e3.20a16Z32	63	3.20	16	32
223d50e3.00a13Z24	50	3.00	13	24	223d63e3.30a16Z32	63	3.30	16	32
223d50e3.10a13Z24	50	3.10	13	24	223d63e3.40a16Z32	63	3.40	16	32
223d50e3.20a13Z24	50	3.20	13	24	223d63e3.50a16Z32	63	3.50	16	32
223d50e3.30a13Z24	50	3.30	13	24	223d63e3.60a16Z32	63	3.60	16	32
223d50e3.40a13Z24	50	3.40	13	24	223d63e3.70a16Z32	63	3.70	16	32
223d50e3.50a13Z24	50	3.50	13	24	223d63e3.80a16Z32	63	3.80	16	32
223d50e3.60a13Z24	50	3.60	13	24	223d63e3.90a16Z32	63	3.90	16	32
223d50e3.70a13Z24	50	3.70	13	24	223d63e4.00a16Z32	63	4.00	16	32
223d50e3.80a13Z24	50	3.80	13	24	223d63e4.50a16Z24	63	4.50	16	24
223d50e3.90a13Z24	50	3.90	13	24	223d63e5.00a16Z24	63	5.00	16	24
223d50e4.00a13Z24	50	4.00	13	24	223d63e5.50a16Z24	63	5.50	16	24
223d50e4.50a13Z24	50	4.50	13	24	223d63e6.00a16Z24	63	6.00	16	24
223d50e5.00a13Z24	50	5.00	13	24	223d80e0.60a22Z64	80	0.60	22	64
223d50e5.50a13Z20	50	5.50	13	20	223d80e0.70a22Z64	80	0.70	22	64
223d50e6.00a13Z20	50	6.00	13	20	223d80e0.80a22Z64	80	0.80	22	64
223d63e0.40a16Z64	63	0.40	16	64	223d80e0.90a22Z48	80	0.90	22	48
223d63e0.45a16Z64	63	0.45	16	64	223d80e1.00a22Z48	80	1.00	22	48
223d63e0.50a16Z64	63	0.50	16	64	223d80e1.10a22Z48	80	1.10	22	48
223d63e0.60a16Z48	63	0.60	16	48	223d80e1.20a22Z48	80	1.20	22	48
223d63e0.70a16Z48	63	0.70	16	48	223d80e1.30a22Z48	80	1.30	22	48
223d63e0.80a16Z48	63	0.80	16	48	223d80e1.40a22Z48	80	1.40	22	48
223d63e0.90a16Z48	63	0.90	16	48	223d80e1.50a22Z48	80	1.50	22	48
223d63e1.00a16Z40	63	1.00	16	40	223d80e1.60a22Z48	80	1.60	22	48
223d63e1.10a16Z40	63	1.10	16	40	223d80e1.70a22Z40	80	1.70	22	40
223d63e1.20a16Z40	63	1.20	16	40	223d80e1.80a22Z40	80	1.80	22	40
223d63e1.30a16Z40	63	1.30	16	40	223d80e1.90a22Z40	80	1.90	22	40
223d63e1.40a16Z40	63	1.40	16	40	223d80e2.00a22Z40	80	2.00	22	40
223d63e1.50a16Z40	63	1.50	16	40	223d80e2.10a22Z40	80	2.10	22	40

Slitting saw DIN 1838 coarse pitch

223

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223d80e2.20a22Z40	80	2.20	22	40	223d100e2.80a22Z40	100	2.80	22	40
223d80e2.30a22Z40	80	2.30	22	40	223d100e2.90a22Z40	100	2.90	22	40
223d80e2.40a22Z40	80	2.40	22	40	223d100e3.00a22Z40	100	3.00	22	40
223d80e2.50a22Z40	80	2.50	22	40	223d100e3.10a22Z40	100	3.10	22	40
223d80e2.60a22Z40	80	2.60	22	40	223d100e3.20a22Z40	100	3.20	22	40
223d80e2.70a22Z40	80	2.70	22	40	223d100e3.30a22Z40	100	3.30	22	40
223d80e2.80a22Z40	80	2.80	22	40	223d100e3.40a22Z40	100	3.40	22	40
223d80e2.90a22Z40	80	2.90	22	40	223d100e3.50a22Z40	100	3.50	22	40
223d80e3.00a22Z40	80	3.00	22	40	223d100e3.60a22Z40	100	3.60	22	40
223d80e3.10a22Z32	80	3.10	22	32	223d100e3.70a22Z40	100	3.70	22	40
223d80e3.20a22Z32	80	3.20	22	32	223d100e3.80a22Z40	100	3.80	22	40
223d80e3.30a22Z32	80	3.30	22	32	223d100e3.90a22Z40	100	3.90	22	40
223d80e3.40a22Z32	80	3.40	22	32	223d100e4.00a22Z40	100	4.00	22	40
223d80e3.50a22Z32	80	3.50	22	32	223d100e4.50a22Z40	100	4.50	22	40
223d80e3.60a22Z32	80	3.60	22	32	223d100e5.00a22Z40	100	5.00	22	40
223d80e3.70a22Z32	80	3.70	22	32	223d100e5.50a22Z32	100	5.50	22	32
223d80e3.80a22Z32	80	3.80	22	32	223d100e6.00a22Z32	100	6.00	22	32
223d80e3.90a22Z32	80	3.90	22	32	223d125e0.80a22Z80	125	0.80	22	80
223d80e4.00a22Z32	80	4.00	22	32	223d125e0.90a22Z80	125	0.90	22	80
223d80e4.50a22Z32	80	4.50	22	32	223d125e1.00a22Z80	125	1.00	22	80
223d80e5.00a22Z32	80	5.00	22	32	223d125e1.10a22Z64	125	1.10	22	64
223d80e5.50a22Z32	80	5.50	22	32	223d125e1.20a22Z64	125	1.20	22	64
223d80e6.00a22Z32	80	6.00	22	32	223d125e1.30a22Z64	125	1.30	22	64
223d100e0.60a22Z80	100	0.60	22	80	223d125e1.40a22Z64	125	1.40	22	64
223d100e0.70a22Z64	100	0.70	22	64	223d125e1.50a22Z64	125	1.50	22	64
223d100e0.80a22Z64	100	0.80	22	64	223d125e1.60a22Z64	125	1.60	22	64
223d100e0.90a22Z64	100	0.90	22	64	223d125e1.70a22Z64	125	1.70	22	64
223d100e1.00a22Z64	100	1.00	22	64	223d125e1.80a22Z64	125	1.80	22	64
223d100e1.10a22Z64	100	1.10	22	64	223d125e1.90a22Z64	125	1.90	22	64
223d100e1.20a22Z64	100	1.20	22	64	223d125e2.00a22Z64	125	2.00	22	64
223d100e1.30a22Z48	100	1.30	22	48	223d125e2.10a22Z48	125	2.10	22	48
223d100e1.40a22Z48	100	1.40	22	48	223d125e2.20a22Z48	125	2.20	22	48
223d100e1.50a22Z48	100	1.50	22	48	223d125e2.30a22Z48	125	2.30	22	48
223d100e1.60a22Z48	100	1.60	22	48	223d125e2.40a22Z48	125	2.40	22	48
223d100e1.70a22Z48	100	1.70	22	48	223d125e2.50a22Z48	125	2.50	22	48
223d100e1.80a22Z48	100	1.80	22	48	223d125e2.60a22Z48	125	2.60	22	48
223d100e1.90a22Z48	100	1.90	22	48	223d125e2.70a22Z48	125	2.70	22	48
223d100e2.00a22Z48	100	2.00	22	48	223d125e2.80a22Z48	125	2.80	22	48
223d100e2.10a22Z48	100	2.10	22	48	223d125e2.90a22Z48	125	2.90	22	48
223d100e2.20a22Z48	100	2.20	22	48	223d125e3.00a22Z48	125	3.00	22	48
223d100e2.30a22Z48	100	2.30	22	48	223d125e3.10a22Z48	125	3.10	22	48
223d100e2.40a22Z48	100	2.40	22	48	223d125e3.20a22Z48	125	3.20	22	48
223d100e2.50a22Z48	100	2.50	22	48	223d125e3.30a22Z48	125	3.30	22	48
223d100e2.60a22Z40	100	2.60	22	40	223d125e3.40a22Z48	125	3.40	22	48
223d100e2.70a22Z40	100	2.70	22	40	223d125e3.50a22Z48	125	3.50	22	48



Slitting saw DIN 1838 coarse pitch



Art. n°	d ₁	e	d ₂	Z
223d125e3.60a22Z48	125	3.60	22	48
223d125e3.70a22Z48	125	3.70	22	48
223d125e3.80a22Z48	125	3.80	22	48
223d125e3.90a22Z48	125	3.90	22	48
223d125e4.00a22Z48	125	4.00	22	48
223d125e4.50a22Z40	125	4.50	22	40
223d125e5.00a22Z40	125	5.00	22	40
223d125e5.50a22Z40	125	5.50	22	40
223d125e6.00a22Z40	125	6.00	22	40
223d160e1.00a32Z80	160	1.00	32	80
223d160e1.20a32Z80	160	1.20	32	80
223d160e1.50a32Z80	160	1.50	32	80
223d160e2.00a32Z80	160	2.00	32	80
223d160e2.50a32Z80	160	2.50	32	80
223d160e3.00a32Z64	160	3.00	32	64



Z
20-80



λ
0°

γ
8°

MG10

N

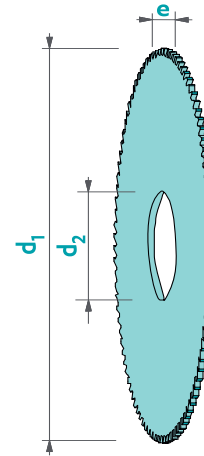
Slitting saw DIN 1837 fine pitch

223-1

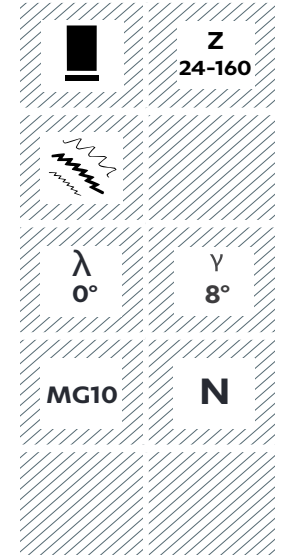
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	80	120	□	■	Nemo
Steel > 700 N/mm ²	60	100	□	■	Nemo
Stainless steel	60	100	□	■	Nemo
Cast iron	50	90	□	■	Nemo
Copper	200	300	□	■	Solo
Brass - Bronze	200	300	□	■	Solo
Aluminium	250	400	□	■	Solo
Gold - Silver	150	300	■	-	Solo
Platinum - Palladium	-	-	-	-	-
Superalloy	20	40	□	■	Trio
Titanium	40	60	□	■	Rico

not adapted - adapted □ highly adapted ■

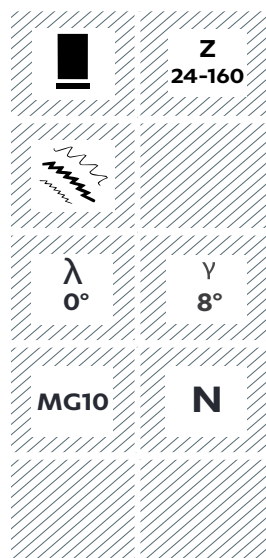
Tolerance e: +0/-0.01
d₂: h7



Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-1d15e0.10A5Z64	15	0.10	5	64	223-1d15e2.70A5Z40	15	2.70	5	40
223-1d15e0.15A5Z64	15	0.15	5	64	223-1d15e2.80A5Z40	15	2.80	5	40
223-1d15e0.20A5Z64	15	0.20	5	64	223-1d15e2.90A5Z40	15	2.90	5	40
223-1d15e0.25A5Z64	15	0.25	5	64	223-1d15e3.00A5Z40	15	3.00	5	40
223-1d15e0.30A5Z64	15	0.30	5	64	223-1d15e3.10A5Z24	15	3.10	5	24
223-1d15e0.35A5Z64	15	0.35	5	64	223-1d15e3.20A5Z24	15	3.20	5	24
223-1d15e0.40A5Z64	15	0.40	5	64	223-1d15e3.30A5Z24	15	3.30	5	24
223-1d15e0.45A5Z48	15	0.45	5	48	223-1d15e3.40A5Z24	15	3.40	5	24
223-1d15e0.50A5Z48	15	0.50	5	48	223-1d15e3.50A5Z24	15	3.50	5	24
223-1d15e0.60A5Z48	15	0.60	5	48	223-1d15e3.60A5Z24	15	3.60	5	24
223-1d15e0.70A5Z48	15	0.70	5	48	223-1d15e3.70A5Z24	15	3.70	5	24
223-1d15e0.80A5Z40	15	0.80	5	40	223-1d15e3.80A5Z24	15	3.80	5	24
223-1d15e0.90A5Z40	15	0.90	5	40	223-1d15e3.90A5Z24	15	3.90	5	24
223-1d15e1.00A5Z40	15	1.00	5	40	223-1d15e4.00A5Z24	15	4.00	5	24
223-1d15e1.10A5Z40	15	1.10	5	40	223-1d15e4.50A5Z24	15	4.50	5	24
223-1d15e1.20A5Z40	15	1.20	5	40	223-1d15e5.00A5Z24	15	5.00	5	24
223-1d15e1.30A5Z40	15	1.30	5	40	223-1d15e5.50A5Z24	15	5.50	5	24
223-1d15e1.40A5Z40	15	1.40	5	40	223-1d15e6.00A5Z24	15	6.00	5	24
223-1d15e1.50A5Z40	15	1.50	5	40	223-1d20e0.10A5Z80	20	0.10	5	80
223-1d15e1.60A5Z40	15	1.60	5	40	223-1d20e0.15A5Z80	20	0.15	5	80
223-1d15e1.70A5Z40	15	1.70	5	40	223-1d20e0.20A5Z80	20	0.20	5	80
223-1d15e1.80A5Z40	15	1.80	5	40	223-1d20e0.25A5Z64	20	0.25	5	64
223-1d15e1.90A5Z40	15	1.90	5	40	223-1d20e0.30A5Z64	20	0.30	5	64
223-1d15e2.00A5Z40	15	2.00	5	40	223-1d20e0.35A5Z64	20	0.35	5	64
223-1d15e2.10A5Z40	15	2.10	5	40	223-1d20e0.40A5Z64	20	0.40	5	64
223-1d15e2.20A5Z40	15	2.20	5	40	223-1d20e0.45A5Z48	20	0.45	5	48
223-1d15e2.30A5Z40	15	2.30	5	40	223-1d20e0.50A5Z48	20	0.50	5	48
223-1d15e2.40A5Z40	15	2.40	5	40	223-1d20e0.60A5Z48	20	0.60	5	48
223-1d15e2.50A5Z40	15	2.50	5	40	223-1d20e0.70A5Z48	20	0.70	5	48
223-1d15e2.60A5Z40	15	2.60	5	40	223-1d20e0.80A5Z40	20	0.80	5	40



Slitting saw DIN 1837 fine pitch



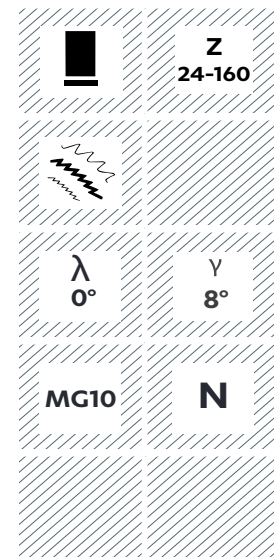
Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-1d20e0.90A5Z40	20	0.90	5	40	223-1d25e0.60A8Z64	25	0.60	8	64
223-1d20e1.00A5Z40	20	1.00	5	40	223-1d25e0.70A8Z48	25	0.70	8	48
223-1d20e1.10A5Z40	20	1.10	5	40	223-1d25e0.80A8Z48	25	0.80	8	48
223-1d20e1.20A5Z40	20	1.20	5	40	223-1d25e0.90A8Z48	25	0.90	8	48
223-1d20e1.30A5Z40	20	1.30	5	40	223-1d25e1.00A8Z48	25	1.00	8	48
223-1d20e1.40A5Z40	20	1.40	5	40	223-1d25e1.10A8Z48	25	1.10	8	48
223-1d20e1.50A5Z40	20	1.50	5	40	223-1d25e1.20A8Z48	25	1.20	8	48
223-1d20e1.60A5Z40	20	1.60	5	40	223-1d25e1.30A8Z40	25	1.30	8	40
223-1d20e1.70A5Z32	20	1.70	5	32	223-1d25e1.40A8Z40	25	1.40	8	40
223-1d20e1.80A5Z32	20	1.80	5	32	223-1d25e1.50A8Z40	25	1.50	8	40
223-1d20e1.90A5Z32	20	1.90	5	32	223-1d25e1.60A8Z40	25	1.60	8	40
223-1d20e2.00A5Z32	20	2.00	5	32	223-1d25e1.70A8Z40	25	1.70	8	40
223-1d20e2.10A5Z32	20	2.10	5	32	223-1d25e1.80A8Z40	25	1.80	8	40
223-1d20e2.20A5Z32	20	2.20	5	32	223-1d25e1.90A8Z40	25	1.90	8	40
223-1d20e2.30A5Z32	20	2.30	5	32	223-1d25e2.00A8Z40	25	2.00	8	40
223-1d20e2.40A5Z32	20	2.40	5	32	223-1d25e2.10A8Z40	25	2.10	8	40
223-1d20e2.50A5Z32	20	2.50	5	32	223-1d25e2.20A8Z40	25	2.20	8	40
223-1d20e2.60A5Z32	20	2.60	5	32	223-1d25e2.30A8Z40	25	2.30	8	40
223-1d20e2.70A5Z32	20	2.70	5	32	223-1d25e2.40A8Z40	25	2.40	8	40
223-1d20e2.80A5Z32	20	2.80	5	32	223-1d25e2.50A8Z40	25	2.50	8	40
223-1d20e2.90A5Z32	20	2.90	5	32	223-1d25e2.60A8Z32	25	2.60	8	32
223-1d20e3.00A5Z32	20	3.00	5	32	223-1d25e2.70A8Z32	25	2.70	8	32
223-1d20e3.10A5Z24	20	3.10	5	24	223-1d25e2.80A8Z32	25	2.80	8	32
223-1d20e3.20A5Z24	20	3.20	5	24	223-1d25e2.90A8Z32	25	2.90	8	32
223-1d20e3.30A5Z24	20	3.30	5	24	223-1d25e3.00A8Z32	25	3.00	8	32
223-1d20e3.40A5Z24	20	3.40	5	24	223-1d25e3.10A8Z32	25	3.10	8	32
223-1d20e3.50A5Z24	20	3.50	5	24	223-1d25e3.20A8Z32	25	3.20	8	32
223-1d20e3.60A5Z24	20	3.60	5	24	223-1d25e3.30A8Z32	25	3.30	8	32
223-1d20e3.70A5Z24	20	3.70	5	24	223-1d25e3.40A8Z32	25	3.40	8	32
223-1d20e3.80A5Z24	20	3.80	5	24	223-1d25e3.50A8Z32	25	3.50	8	32
223-1d20e3.90A5Z24	20	3.90	5	24	223-1d25e3.60A8Z32	25	3.60	8	32
223-1d20e4.00A5Z24	20	4.00	5	24	223-1d25e3.70A8Z32	25	3.70	8	32
223-1d20e4.50A5Z24	20	4.50	5	24	223-1d25e3.80A8Z32	25	3.80	8	32
223-1d20e5.00A5Z24	20	5.00	5	24	223-1d25e3.90A8Z32	25	3.90	8	32
223-1d20e5.50A5Z24	20	5.50	5	24	223-1d25e4.00A8Z32	25	4.00	8	32
223-1d20e6.00A5Z24	20	6.00	5	24	223-1d25e4.50A8Z32	25	4.50	8	32
223-1d25e0.10A8Z80	25	0.10	8	80	223-1d25e5.00A8Z32	25	5.00	8	32
223-1d25e0.15A8Z80	25	0.15	8	80	223-1d25e5.50A8Z24	25	5.50	8	24
223-1d25e0.20A8Z80	25	0.20	8	80	223-1d25e6.00A8Z24	25	6.00	8	24
223-1d25e0.25A8Z80	25	0.25	8	80	--> Ref. 223-2	30	0.10	8	100
223-1d25e0.30A8Z80	25	0.30	8	80	--> Ref. 223-2	30	0.15	8	100
223-1d25e0.35A8Z64	25	0.35	8	64	--> Ref. 223-2	30	0.20	8	100
223-1d25e0.40A8Z64	25	0.40	8	64	--> Ref. 223-2	30	0.25	8	100
223-1d25e0.45A8Z64	25	0.45	8	64	223-1d30e0.30A8Z80	30	0.30	8	80
223-1d25e0.50A8Z64	25	0.50	8	64	223-1d30e0.35A8Z80	30	0.35	8	80

Slitting saw DIN 1837 fine pitch

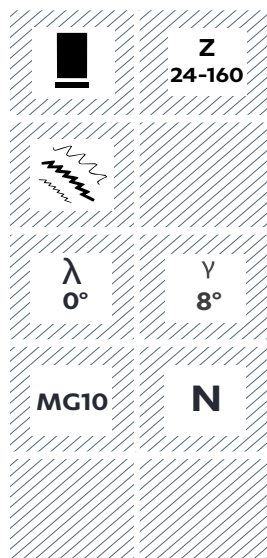
223-1

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-1d30e0.40A8Z80	30	0.40	8	80	--> Ref. 223-2	40	0.25	10	100
223-1d30e0.45A8Z80	30	0.45	8	80	--> Ref. 223-2	40	0.30	10	100
223-1d30e0.50A8Z80	30	0.50	8	80	--> Ref. 223-2	40	0.35	10	100
223-1d30e0.60A8Z64	30	0.60	8	64	--> Ref. 223-2	40	0.40	10	100
223-1d30e0.70A8Z64	30	0.70	8	64	223-1d40e0.45A10Z80	40	0.45	10	80
223-1d30e0.80A8Z64	30	0.80	8	64	223-1d40e0.50A10Z80	40	0.50	10	80
223-1d30e0.90A8Z64	30	0.90	8	64	223-1d40e0.60A10Z80	40	0.60	10	80
223-1d30e1.00A8Z64	30	1.00	8	64	223-1d40e0.70A10Z80	40	0.70	10	80
223-1d30e1.10A8Z48	30	1.10	8	48	223-1d40e0.80A10Z80	40	0.80	10	80
223-1d30e1.20A8Z48	30	1.20	8	48	223-1d40e0.90A10Z64	40	0.90	10	64
223-1d30e1.30A8Z48	30	1.30	8	48	223-1d40e1.00A10Z64	40	1.00	10	64
223-1d30e1.40A8Z48	30	1.40	8	48	223-1d40e1.10A10Z64	40	1.10	10	64
223-1d30e1.50A8Z48	30	1.50	8	48	223-1d40e1.20A10Z64	40	1.20	10	64
223-1d30e1.60A8Z48	30	1.60	8	48	223-1d40e1.30A10Z64	40	1.30	10	64
223-1d30e1.70A8Z48	30	1.70	8	48	223-1d40e1.40A10Z64	40	1.40	10	64
223-1d30e1.80A8Z48	30	1.80	8	48	223-1d40e1.50A10Z64	40	1.50	10	64
223-1d30e1.90A8Z48	30	1.90	8	48	223-1d40e1.60A10Z64	40	1.60	10	64
223-1d30e2.00A8Z48	30	2.00	8	48	223-1d40e1.70A10Z48	40	1.70	10	48
223-1d30e2.10A8Z40	30	2.10	8	40	223-1d40e1.80A10Z48	40	1.80	10	48
223-1d30e2.20A8Z40	30	2.20	8	40	223-1d40e1.90A10Z48	40	1.90	10	48
223-1d30e2.30A8Z40	30	2.30	8	40	223-1d40e2.00A10Z48	40	2.00	10	48
223-1d30e2.40A8Z40	30	2.40	8	40	223-1d40e2.10A10Z48	40	2.10	10	48
223-1d30e2.50A8Z40	30	2.50	8	40	223-1d40e2.20A10Z48	40	2.20	10	48
223-1d30e2.60A8Z40	30	2.60	8	40	223-1d40e2.30A10Z48	40	2.30	10	48
223-1d30e2.70A8Z40	30	2.70	8	40	223-1d40e2.40A10Z48	40	2.40	10	48
223-1d30e2.80A8Z40	30	2.80	8	40	223-1d40e2.50A10Z48	40	2.50	10	48
223-1d30e2.90A8Z40	30	2.90	8	40	223-1d40e2.60A10Z48	40	2.60	10	48
223-1d30e3.00A8Z40	30	3.00	8	40	223-1d40e2.70A10Z48	40	2.70	10	48
223-1d30e3.10A8Z40	30	3.10	8	40	223-1d40e2.80A10Z48	40	2.80	10	48
223-1d30e3.20A8Z40	30	3.20	8	40	223-1d40e2.90A10Z48	40	2.90	10	48
223-1d30e3.30A8Z40	30	3.30	8	40	223-1d40e3.00A10Z48	40	3.00	10	48
223-1d30e3.40A8Z40	30	3.40	8	40	223-1d40e3.10A10Z40	40	3.10	10	40
223-1d30e3.50A8Z40	30	3.50	8	40	223-1d40e3.20A10Z40	40	3.20	10	40
223-1d30e3.60A8Z40	30	3.60	8	40	223-1d40e3.30A10Z40	40	3.30	10	40
223-1d30e3.70A8Z40	30	3.70	8	40	223-1d40e3.40A10Z40	40	3.40	10	40
223-1d30e3.80A8Z40	30	3.80	8	40	223-1d40e3.50A10Z40	40	3.50	10	40
223-1d30e3.90A8Z40	30	3.90	8	40	223-1d40e3.60A10Z40	40	3.60	10	40
223-1d30e4.00A8Z40	30	4.00	8	40	223-1d40e3.70A10Z40	40	3.70	10	40
223-1d30e4.50A8Z32	30	4.50	8	32	223-1d40e3.80A10Z40	40	3.80	10	40
223-1d30e5.00A8Z32	30	5.00	8	32	223-1d40e3.90A10Z40	40	3.90	10	40
223-1d30e5.50A8Z32	30	5.50	8	32	223-1d40e4.00A10Z40	40	4.00	10	40
223-1d30e6.00A8Z32	30	6.00	8	32	223-1d40e4.50A10Z40	40	4.50	10	40
223-1d40e0.10A10Z128	40	0.10	10	128	223-1d40e5.00A10Z40	40	5.00	10	40
223-1d40e0.15A10Z128	40	0.15	10	128	223-1d40e5.50A10Z40	40	5.50	10	40
223-1d40e0.20A10Z128	40	0.20	10	128	223-1d40e6.00A10Z40	40	6.00	10	40



Slitting saw DIN 1837 fine pitch



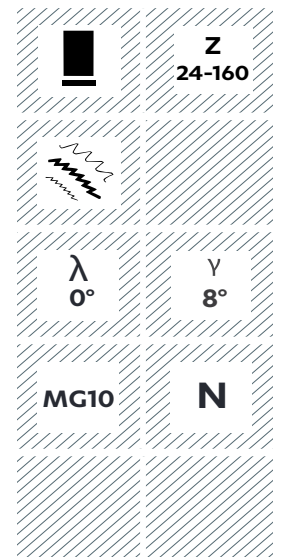
Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-1d50e0.20A13Z128	50	0.20	13	128	223-1d50e6.00A13Z40	50	6.00	13	40
223-1d50e0.25A13Z128	50	0.25	13	128	223-1d63e0.20A16Z160	63	0.20	16	160
223-1d50e0.30A13Z128	50	0.30	13	128	223-1d63e0.25A16Z128	63	0.25	16	128
223-1d50e0.35A13Z100	50	0.35	13	100	223-1d63e0.30A16Z128	63	0.30	16	128
223-1d50e0.40A13Z100	50	0.40	13	100	223-1d63e0.35A16Z128	63	0.35	16	128
223-1d50e0.45A13Z100	50	0.45	13	100	223-1d63e0.40A16Z128	63	0.40	16	128
223-1d50e0.50A13Z100	50	0.50	13	100	223-1d63e0.45A16Z128	63	0.45	16	128
223-1d50e0.60A13Z100	50	0.60	13	100	223-1d63e0.50A16Z128	63	0.50	16	128
223-1d50e0.70A13Z80	50	0.70	13	80	223-1d63e0.60A16Z100	63	0.60	16	100
223-1d50e0.80A13Z80	50	0.80	13	80	223-1d63e0.70A16Z100	63	0.70	16	100
223-1d50e0.90A13Z80	50	0.90	13	80	223-1d63e0.80A16Z100	63	0.80	16	100
223-1d50e1.00A13Z80	50	1.00	13	80	223-1d63e0.90A16Z100	63	0.90	16	100
223-1d50e1.10A13Z80	50	1.10	13	80	223-1d63e1.00A16Z100	63	1.00	16	100
223-1d50e1.20A13Z80	50	1.20	13	80	223-1d63e1.10A16Z80	63	1.10	16	80
223-1d50e1.30A13Z64	50	1.30	13	64	223-1d63e1.20A16Z80	63	1.20	16	80
223-1d50e1.40A13Z64	50	1.40	13	64	223-1d63e1.30A16Z80	63	1.30	16	80
223-1d50e1.50A13Z64	50	1.50	13	64	223-1d63e1.40A16Z80	63	1.40	16	80
223-1d50e1.60A13Z64	50	1.60	13	64	223-1d63e1.50A16Z80	63	1.50	16	80
223-1d50e1.70A13Z64	50	1.70	13	64	223-1d63e1.60A16Z80	63	1.60	16	80
223-1d50e1.80A13Z64	50	1.80	13	64	223-1d63e1.70A16Z80	63	1.70	16	80
223-1d50e1.90A13Z64	50	1.90	13	64	223-1d63e1.80A16Z80	63	1.80	16	80
223-1d50e2.00A13Z64	50	2.00	13	64	223-1d63e1.90A16Z80	63	1.90	16	80
223-1d50e2.10A13Z64	50	2.10	13	64	223-1d63e2.00A16Z80	63	2.00	16	80
223-1d50e2.20A13Z64	50	2.20	13	64	223-1d63e2.10A16Z64	63	2.10	16	64
223-1d50e2.30A13Z64	50	2.30	13	64	223-1d63e2.20A16Z64	63	2.20	16	64
223-1d50e2.40A13Z64	50	2.40	13	64	223-1d63e2.30A16Z64	63	2.30	16	64
223-1d50e2.50A13Z64	50	2.50	13	64	223-1d63e2.40A16Z64	63	2.40	16	64
223-1d50e2.60A13Z48	50	2.60	13	48	223-1d63e2.50A16Z64	63	2.50	16	64
223-1d50e2.70A13Z48	50	2.70	13	48	223-1d63e2.60A16Z64	63	2.60	16	64
223-1d50e2.80A13Z48	50	2.80	13	48	223-1d63e2.70A16Z64	63	2.70	16	64
223-1d50e2.90A13Z48	50	2.90	13	48	223-1d63e2.80A16Z64	63	2.80	16	64
223-1d50e3.00A13Z48	50	3.00	13	48	223-1d63e2.90A16Z64	63	2.90	16	64
223-1d50e3.10A13Z48	50	3.10	13	48	223-1d63e3.00A16Z64	63	3.00	16	64
223-1d50e3.20A13Z48	50	3.20	13	48	223-1d63e3.10A16Z64	63	3.10	16	64
223-1d50e3.30A13Z48	50	3.30	13	48	223-1d63e3.20A16Z64	63	3.20	16	64
223-1d50e3.40A13Z48	50	3.40	13	48	223-1d63e3.30A16Z64	63	3.30	16	64
223-1d50e3.50A13Z48	50	3.50	13	48	223-1d63e3.40A16Z64	63	3.40	16	64
223-1d50e3.60A13Z48	50	3.60	13	48	223-1d63e3.50A16Z64	63	3.50	16	64
223-1d50e3.70A13Z48	50	3.70	13	48	223-1d63e3.60A16Z64	63	3.60	16	64
223-1d50e3.80A13Z48	50	3.80	13	48	223-1d63e3.70A16Z64	63	3.70	16	64
223-1d50e3.90A13Z48	50	3.90	13	48	223-1d63e3.80A16Z64	63	3.80	16	64
223-1d50e4.00A13Z48	50	4.00	13	48	223-1d63e3.90A16Z64	63	3.90	16	64
223-1d50e4.50A13Z48	50	4.50	13	48	223-1d63e4.00A16Z64	63	4.00	16	64
223-1d50e5.00A13Z48	50	5.00	13	48	223-1d63e4.50A16Z48	63	4.50	16	48
223-1d50e5.50A13Z40	50	5.50	13	40	223-1d63e5.00A16Z48	63	5.00	16	48

Slitting saw DIN 1837 fine pitch

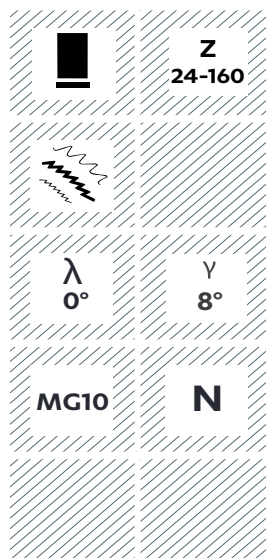
223-1

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-1d63e5.50A16Z48	63	5.50	16	48	223-1d80e5.50A22Z64	80	5.50	22	64
223-1d63e6.00A16Z48	63	6.00	16	48	223-1d80e6.00A22Z64	80	6.00	22	64
223-1d80e0.25A22Z160	80	0.25	22	160	223-1d100e0.50A22Z160	100	0.50	22	160
223-1d80e0.30A22Z160	80	0.30	22	160	223-1d100e0.60A22Z160	100	0.60	22	160
223-1d80e0.35A22Z160	80	0.35	22	160	223-1d100e0.70A22Z128	100	0.70	22	128
223-1d80e0.40A22Z160	80	0.40	22	160	223-1d100e0.80A22Z128	100	0.80	22	128
223-1d80e0.45A22Z128	80	0.45	22	128	223-1d100e0.90A22Z128	100	0.90	22	128
223-1d80e0.50A22Z128	80	0.50	22	128	223-1d100e1.00A22Z128	100	1.00	22	128
223-1d80e0.60A22Z128	80	0.60	22	128	223-1d100e1.10A22Z128	100	1.10	22	128
223-1d80e0.70A22Z128	80	0.70	22	128	223-1d100e1.20A22Z128	100	1.20	22	128
223-1d80e0.80A22Z128	80	0.80	22	128	223-1d100e1.30A22Z100	100	1.30	22	100
223-1d80e0.90A22Z100	80	0.90	22	100	223-1d100e1.40A22Z100	100	1.40	22	100
223-1d80e1.00A22Z100	80	1.00	22	100	223-1d100e1.50A22Z100	100	1.50	22	100
223-1d80e1.10A22Z100	80	1.10	22	100	223-1d100e1.60A22Z100	100	1.60	22	100
223-1d80e1.20A22Z100	80	1.20	22	100	223-1d100e1.70A22Z100	100	1.70	22	100
223-1d80e1.30A22Z100	80	1.30	22	100	223-1d100e1.80A22Z100	100	1.80	22	100
223-1d80e1.40A22Z100	80	1.40	22	100	223-1d100e1.90A22Z100	100	1.90	22	100
223-1d80e1.50A22Z100	80	1.50	22	100	223-1d100e2.00A22Z100	100	2.00	22	100
223-1d80e1.60A22Z100	80	1.60	22	100	223-1d100e2.10A22Z100	100	2.10	22	100
223-1d80e1.70A22Z80	80	1.70	22	80	223-1d100e2.20A22Z100	100	2.20	22	100
223-1d80e1.80A22Z80	80	1.80	22	80	223-1d100e2.30A22Z100	100	2.30	22	100
223-1d80e1.90A22Z80	80	1.90	22	80	223-1d100e2.40A22Z100	100	2.40	22	100
223-1d80e2.00A22Z80	80	2.00	22	80	223-1d100e2.50A22Z100	100	2.50	22	100
223-1d80e2.10A22Z80	80	2.10	22	80	223-1d100e2.60A22Z80	100	2.60	22	80
223-1d80e2.20A22Z80	80	2.20	22	80	223-1d100e2.70A22Z80	100	2.70	22	80
223-1d80e2.30A22Z80	80	2.30	22	80	223-1d100e2.80A22Z80	100	2.80	22	80
223-1d80e2.40A22Z80	80	2.40	22	80	223-1d100e2.90A22Z80	100	2.90	22	80
223-1d80e2.50A22Z80	80	2.50	22	80	223-1d100e3.00A22Z80	100	3.00	22	80
223-1d80e2.60A22Z80	80	2.60	22	80	223-1d100e3.10A22Z80	100	3.10	22	80
223-1d80e2.70A22Z80	80	2.70	22	80	223-1d100e3.20A22Z80	100	3.20	22	80
223-1d80e2.80A22Z80	80	2.80	22	80	223-1d100e3.30A22Z80	100	3.30	22	80
223-1d80e2.90A22Z80	80	2.90	22	80	223-1d100e3.40A22Z80	100	3.40	22	80
223-1d80e3.00A22Z80	80	3.00	22	80	223-1d100e3.50A22Z80	100	3.50	22	80
223-1d80e3.10A22Z64	80	3.10	22	64	223-1d100e3.60A22Z80	100	3.60	22	80
223-1d80e3.20A22Z64	80	3.20	22	64	223-1d100e3.70A22Z80	100	3.70	22	80
223-1d80e3.30A22Z64	80	3.30	22	64	223-1d100e3.80A22Z80	100	3.80	22	80
223-1d80e3.40A22Z64	80	3.40	22	64	223-1d100e3.90A22Z80	100	3.90	22	80
223-1d80e3.50A22Z64	80	3.50	22	64	223-1d100e4.00A22Z80	100	4.00	22	80
223-1d80e3.60A22Z64	80	3.60	22	64	223-1d100e4.50A22Z80	100	4.50	22	80
223-1d80e3.70A22Z64	80	3.70	22	64	223-1d100e5.00A22Z80	100	5.00	22	80
223-1d80e3.80A22Z64	80	3.80	22	64	223-1d100e5.50A22Z64	100	5.50	22	64
223-1d80e3.90A22Z64	80	3.90	22	64	223-1d100e6.00A22Z64	100	6.00	22	64
223-1d80e4.00A22Z64	80	4.00	22	64	223-1d125e0.60A22Z160	125	0.60	22	160
223-1d80e4.50A22Z64	80	4.50	22	64	223-1d125e0.70A22Z160	125	0.70	22	160
223-1d80e5.00A22Z64	80	5.00	22	64	223-1d125e0.80A22Z160	125	0.80	22	160



Slitting saw DIN 1837 fine pitch



Art. n°	d ₁	e	d ₂	Z
223-1d125e0.90A22Z160	125	0.90	22	160
223-1d125e1.00A22Z160	125	1.00	22	160
223-1d125e1.10A22Z128	125	1.10	22	128
223-1d125e1.20A22Z128	125	1.20	22	128
223-1d125e1.30A22Z128	125	1.30	22	128
223-1d125e1.40A22Z128	125	1.40	22	128
223-1d125e1.50A22Z128	125	1.50	22	128
223-1d125e1.60A22Z128	125	1.60	22	128
223-1d125e1.70A22Z128	125	1.70	22	128
223-1d125e1.80A22Z128	125	1.80	22	128
223-1d125e1.90A22Z128	125	1.90	22	128
223-1d125e2.00A22Z128	125	2.00	22	128
223-1d125e2.10A22Z100	125	2.10	22	100
223-1d125e2.20A22Z100	125	2.20	22	100
223-1d125e2.30A22Z100	125	2.30	22	100
223-1d125e2.40A22Z100	125	2.40	22	100
223-1d125e2.50A22Z100	125	2.50	22	100
223-1d125e2.60A22Z100	125	2.60	22	100
223-1d125e2.70A22Z100	125	2.70	22	100
223-1d125e2.80A22Z100	125	2.80	22	100
223-1d125e2.90A22Z100	125	2.90	22	100
223-1d125e3.00A22Z100	125	3.00	22	100
223-1d125e3.10A22Z100	125	3.10	22	100
223-1d125e3.20A22Z100	125	3.20	22	100
223-1d125e3.30A22Z100	125	3.30	22	100
223-1d125e3.40A22Z100	125	3.40	22	100
223-1d125e3.50A22Z100	125	3.50	22	100
223-1d125e3.60A22Z100	125	3.60	22	100
223-1d125e3.70A22Z100	125	3.70	22	100
223-1d125e3.80A22Z100	125	3.80	22	100
223-1d125e3.90A22Z100	125	3.90	22	100
223-1d125e4.00A22Z100	125	4.00	22	100
223-1d125e4.50A22Z100	125	4.50	22	100
223-1d125e5.00A22Z100	125	5.00	22	100
223-1d125e5.50A22Z100	125	5.50	22	100
223-1d125e6.00A22Z100	125	6.00	22	100
223-1d160e1.00A32Z160	160	1.00	32	160
223-1d160e1.20A32Z160	160	1.20	32	160
223-1d160e1.50A32Z160	160	1.50	32	160
223-1d160e1.60A32Z160	160	1.60	32	160
223-1d160e1.80A32Z128	160	1.80	32	128
223-1d160e2.00A32Z128	160	2.00	32	128
223-1d160e2.50A32Z128	160	2.50	32	128
223-1d160e3.00A32Z128	160	3.00	32	128

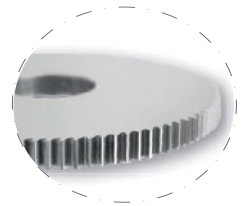
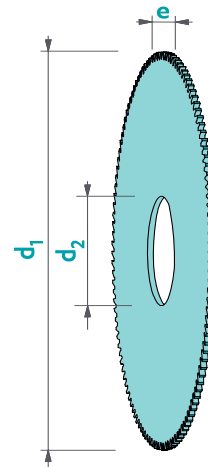
Slitting saw extra fine pitch

223-2

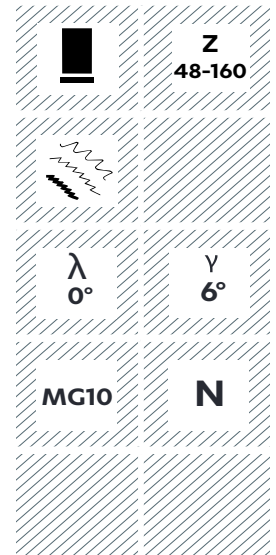
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	80	120	□	■	Nemo
Steel > 700 N/mm ²	60	100	□	■	Nemo
Stainless steel	60	100	□	■	Nemo
Cast iron	50	90	□	■	Nemo
Copper	200	300	□	■	TiCIN + CBC
Brass - Bronze	200	300	□	■	TiCIN + CBC
Aluminium	250	400	-	-	TiCIN + CBC
Gold - Silver	150	300	-	-	TiCIN + CBC
Platinum - Palladium	-	-	-	-	-
Superalloy	20	40	-	-	-
Titanium	40	60	□	■	Nemo

not adapted - adapted □ highly adapted ■

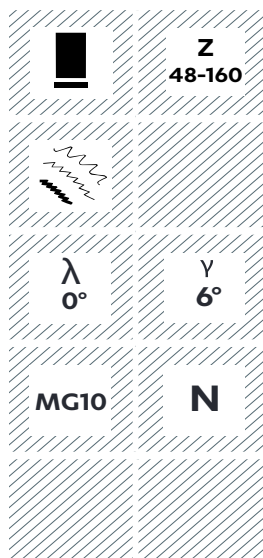
Tolerance e: +0/-0.01
d₂: h7



Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-2d8e0.10A3Z48	8	0.10	3	48	223-2d12e0.30A5Z64	12	0.30	5	64
223-2d8e0.15A3Z48	8	0.15	3	48	223-2d12e0.35A5Z64	12	0.35	5	64
223-2d8e0.20A3Z48	8	0.20	3	48	223-2d12e0.40A5Z64	12	0.40	5	64
223-2d8e0.25A3Z48	8	0.25	3	48	223-2d12e0.50A5Z64	12	0.50	5	64
223-2d8e0.30A3Z48	8	0.30	3	48	223-2d12e0.60A5Z64	12	0.60	5	64
223-2d8e0.35A3Z48	8	0.35	3	48	223-2d12e0.70A5Z64	12	0.70	5	64
223-2d8e0.40A3Z48	8	0.40	3	48	223-2d12e0.80A5Z64	12	0.80	5	64
223-2d8e0.50A3Z48	8	0.50	3	48	223-2d12e0.90A5Z64	12	0.90	5	64
223-2d8e0.60A3Z48	8	0.60	3	48	223-2d12e1.00A5Z64	12	1.00	5	64
223-2d8e0.70A3Z48	8	0.70	3	48	223-2d15e0.10A5Z80	15	0.10	5	80
223-2d8e0.80A3Z48	8	0.80	3	48	223-2d15e0.15A5Z80	15	0.15	5	80
223-2d8e0.90A3Z48	8	0.90	3	48	223-2d15e0.20A5Z80	15	0.20	5	80
223-2d8e1.00A3Z48	8	1.00	3	48	223-2d15e0.25A5Z80	15	0.25	5	80
223-2d10e0.10A3Z64	10	0.10	3	64	223-2d15e0.30A5Z80	15	0.30	5	80
223-2d10e0.15A3Z64	10	0.15	3	64	223-2d15e0.35A5Z80	15	0.35	5	80
223-2d10e0.20A3Z64	10	0.20	3	64	223-2d15e0.40A5Z80	15	0.40	5	80
223-2d10e0.25A3Z64	10	0.25	3	64	223-2d15e0.50A5Z80	15	0.50	5	80
223-2d10e0.30A3Z64	10	0.30	3	64	223-2d15e0.60A5Z80	15	0.60	5	80
223-2d10e0.35A3Z64	10	0.35	3	64	223-2d15e0.70A5Z80	15	0.70	5	80
223-2d10e0.40A3Z64	10	0.40	3	64	223-2d15e0.80A5Z80	15	0.80	5	80
223-2d10e0.50A3Z64	10	0.50	3	64	223-2d15e0.90A5Z80	15	0.90	5	80
223-2d10e0.60A3Z64	10	0.60	3	64	223-2d15e1.00A5Z80	15	1.00	5	80
223-2d10e0.70A3Z64	10	0.70	3	64	223-2d15e1.10A5Z80	15	1.10	5	80
223-2d10e0.80A3Z64	10	0.80	3	64	223-2d15e1.20A5Z80	15	1.20	5	80
223-2d10e0.90A3Z64	10	0.90	3	64	223-2d15e1.30A5Z80	15	1.30	5	80
223-2d10e1.00A3Z64	10	1.00	3	64	223-2d15e1.40A5Z80	15	1.40	5	80
223-2d12e0.10A5Z64	12	0.10	5	64	223-2d15e1.50A5Z80	15	1.50	5	80
223-2d12e0.15A5Z64	12	0.15	5	64	223-2d15e2.00A5Z80	15	2.00	5	80
223-2d12e0.20A5Z64	12	0.20	5	64	223-2d15e2.50A5Z80	15	2.50	5	80
223-2d12e0.25A5Z64	12	0.25	5	64	223-2d15e3.00A5Z80	15	3.00	5	80



Slitting saw extra fine pitch



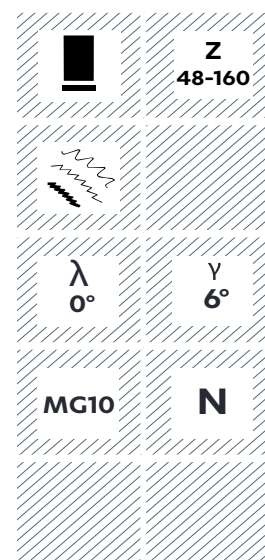
Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-2d20e0.10A5Z100	20	0.10	5	100	223-2d20e3.00A5Z80	20	3.00	5	80
223-2d20e0.10A6Z80	20	0.10	6	80	223-2d20e3.00A6Z80	20	3.00	6	80
223-2d20e0.15A5Z100	20	0.15	5	100	223-2d25e0.10A5Z80	25	0.10	5	80
223-2d20e0.15A6Z80	20	0.15	6	80	223-2d25e0.15A5Z80	25	0.15	5	80
223-2d20e0.20A5Z100	20	0.20	5	100	223-2d25e0.15A6Z100	25	0.15	6	100
223-2d20e0.20A6Z80	20	0.20	6	80	223-2d25e0.15A8Z100	25	0.15	8	100
223-2d20e0.25A5Z80	20	0.25	5	80	223-2d25e0.20A5Z80	25	0.20	5	80
223-2d20e0.25A5Z100	20	0.25	5	100	223-2d25e0.20A6Z100	25	0.20	6	100
223-2d20e0.25A6Z80	20	0.25	6	80	223-2d25e0.20A8Z100	25	0.20	8	100
223-2d20e0.30A5Z80	20	0.30	5	80	223-2d25e0.25A5Z80	25	0.25	5	80
223-2d20e0.30A5Z100	20	0.30	5	100	223-2d25e0.25A6Z100	25	0.25	6	100
223-2d20e0.30A6Z80	20	0.30	6	80	223-2d25e0.25A8Z100	25	0.25	8	100
223-2d20e0.35A5Z80	20	0.35	5	80	223-2d25e0.30A5Z80	25	0.30	5	80
223-2d20e0.35A5Z100	20	0.35	5	100	223-2d25e0.30A6Z100	25	0.30	6	100
223-2d20e0.35A6Z80	20	0.35	6	80	223-2d25e0.30A8Z100	25	0.30	8	100
223-2d20e0.40A5Z80	20	0.40	5	80	223-2d25e0.35A5Z80	25	0.35	5	80
223-2d20e0.40A5Z100	20	0.40	5	100	223-2d25e0.35A6Z100	25	0.35	6	100
223-2d20e0.40A6Z80	20	0.40	6	80	223-2d25e0.35A8Z100	25	0.35	8	100
223-2d20e0.50A5Z80	20	0.50	5	80	223-2d25e0.40A5Z80	25	0.40	5	80
223-2d20e0.50A5Z100	20	0.50	5	100	223-2d25e0.40A6Z100	25	0.40	6	100
223-2d20e0.50A6Z80	20	0.50	6	80	223-2d25e0.40A8Z100	25	0.40	8	100
223-2d20e0.60A5Z80	20	0.60	5	80	223-2d25e0.50A5Z80	25	0.50	5	80
223-2d20e0.60A6Z80	20	0.60	6	80	223-2d25e0.50A6Z100	25	0.50	6	100
223-2d20e0.70A5Z80	20	0.70	5	80	223-2d25e0.50A8Z100	25	0.50	8	100
223-2d20e0.70A6Z80	20	0.70	6	80	223-2d25e0.60A5Z80	25	0.60	5	80
223-2d20e0.80A5Z80	20	0.80	5	80	223-2d25e0.60A6Z100	25	0.60	6	100
223-2d20e0.80A6Z80	20	0.80	6	80	223-2d25e0.60A8Z100	25	0.60	8	100
223-2d20e0.90A5Z80	20	0.90	5	80	223-2d25e0.70A5Z80	25	0.70	5	80
223-2d20e0.90A6Z80	20	0.90	6	80	223-2d25e0.70A6Z100	25	0.70	6	100
223-2d20e1.00A5Z80	20	1.00	5	80	223-2d25e0.70A8Z100	25	0.70	8	100
223-2d20e1.00A6Z80	20	1.00	6	80	223-2d25e0.80A5Z80	25	0.80	5	80
223-2d20e1.10A5Z80	20	1.10	5	80	223-2d25e0.80A6Z100	25	0.80	6	100
223-2d20e1.10A6Z80	20	1.10	6	80	223-2d25e0.80A8Z100	25	0.80	8	100
223-2d20e1.20A5Z80	20	1.20	5	80	223-2d25e0.90A5Z80	25	0.90	5	80
223-2d20e1.20A6Z80	20	1.20	6	80	223-2d25e0.90A6Z100	25	0.90	6	100
223-2d20e1.30A5Z80	20	1.30	5	80	223-2d25e0.90A8Z100	25	0.90	8	100
223-2d20e1.30A6Z80	20	1.30	6	80	223-2d25e1.00A5Z80	25	1.00	5	80
223-2d20e1.40A5Z80	20	1.40	5	80	223-2d25e1.00A6Z100	25	1.00	6	100
223-2d20e1.40A6Z80	20	1.40	6	80	223-2d25e1.00A8Z100	25	1.00	8	100
223-2d20e1.50A5Z80	20	1.50	5	80	223-2d25e1.10A5Z80	25	1.10	5	80
223-2d20e1.50A6Z80	20	1.50	6	80	223-2d25e1.10A6Z100	25	1.10	6	100
223-2d20e2.00A5Z80	20	2.00	5	80	223-2d25e1.10A8Z100	25	1.10	8	100
223-2d20e2.00A6Z80	20	2.00	6	80	223-2d25e1.20A5Z80	25	1.20	5	80
223-2d20e2.50A5Z80	20	2.50	5	80	223-2d25e1.20A6Z100	25	1.20	6	100
223-2d20e2.50A6Z80	20	2.50	6	80	223-2d25e1.20A8Z100	25	1.20	8	100

Slitting saw extra fine pitch

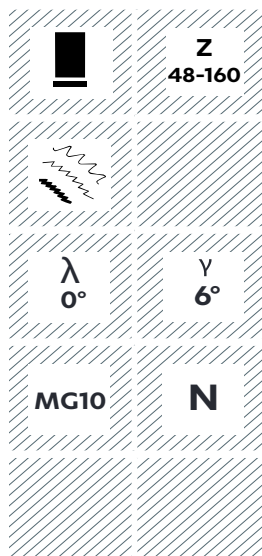
223-2

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-2d25e1.30A5Z80	25	1.30	5	80	223-2d32e0.50A8Z80	32	0.50	8	80
223-2d25e1.30A6Z100	25	1.30	6	100	223-2d32e0.60A8Z80	32	0.60	8	80
223-2d25e1.30A8Z100	25	1.30	8	100	223-2d32e0.70A8Z80	32	0.70	8	80
223-2d25e1.40A5Z80	25	1.40	5	80	223-2d32e0.80A8Z80	32	0.80	8	80
223-2d25e1.40A6Z100	25	1.40	6	100	223-2d32e0.90A8Z80	32	0.90	8	80
223-2d25e1.40A8Z100	25	1.40	8	100	223-2d32e1.00A8Z80	32	1.00	8	80
223-2d25e1.50A5Z80	25	1.50	5	80	223-2d32e1.10A8Z80	32	1.10	8	80
223-2d25e1.50A6Z100	25	1.50	6	100	223-2d32e1.20A8Z80	32	1.20	8	80
223-2d25e1.50A8Z100	25	1.50	8	100	223-2d32e1.30A8Z80	32	1.30	8	80
223-2d25e2.00A5Z80	25	2.00	5	80	223-2d32e1.40A8Z80	32	1.40	8	80
223-2d25e2.00A6Z100	25	2.00	6	100	223-2d32e1.50A8Z80	32	1.50	8	80
223-2d25e2.00A8Z100	25	2.00	8	100	223-2d32e2.00A8Z80	32	2.00	8	80
223-2d25e2.50A5Z80	25	2.50	5	80	223-2d32e2.50A8Z80	32	2.50	8	80
223-2d25e2.50A6Z100	25	2.50	6	100	223-2d32e3.00A8Z80	32	3.00	8	80
223-2d25e2.50A8Z100	25	2.50	8	100	223-2d35e0.15A8Z96	35	0.15	8	96
223-2d25e3.00A5Z80	25	3.00	5	80	223-2d35e0.20A8Z96	35	0.20	8	96
223-2d25e3.00A6Z100	25	3.00	6	100	223-2d35e0.25A8Z96	35	0.25	8	96
223-2d25e3.00A8Z100	25	3.00	8	100	223-2d35e0.30A8Z96	35	0.30	8	96
223-2d30e0.10A8Z100	30	0.10	8	100	223-2d35e0.35A8Z96	35	0.35	8	96
223-2d30e0.15A8Z100	30	0.15	8	100	223-2d35e0.40A8Z96	35	0.40	8	96
223-2d30e0.20A8Z100	30	0.20	8	100	223-2d35e0.50A8Z96	35	0.50	8	96
223-2d30e0.25A8Z100	30	0.25	8	100	223-2d35e0.60A8Z96	35	0.60	8	96
223-2d30e0.30A8Z100	30	0.30	8	100	223-2d35e0.70A8Z96	35	0.70	8	96
223-2d30e0.35A8Z100	30	0.35	8	100	223-2d35e0.80A8Z96	35	0.80	8	96
223-2d30e0.40A8Z100	30	0.40	8	100	223-2d35e0.90A8Z96	35	0.90	8	96
223-2d30e0.50A8Z100	30	0.50	8	100	223-2d35e1.00A8Z96	35	1.00	8	96
223-2d30e0.60A8Z100	30	0.60	8	100	223-2d35e1.10A8Z96	35	1.10	8	96
223-2d30e0.70A8Z100	30	0.70	8	100	223-2d35e1.20A8Z96	35	1.20	8	96
223-2d30e0.80A8Z100	30	0.80	8	100	223-2d35e1.30A8Z96	35	1.30	8	96
223-2d30e0.90A8Z100	30	0.90	8	100	223-2d35e1.40A8Z96	35	1.40	8	96
223-2d30e1.00A8Z100	30	1.00	8	100	223-2d35e1.50A8Z96	35	1.50	8	96
223-2d30e1.10A8Z100	30	1.10	8	100	223-2d35e2.00A8Z96	35	2.00	8	96
223-2d30e1.20A8Z100	30	1.20	8	100	223-2d35e2.50A8Z96	35	2.50	8	96
223-2d30e1.30A8Z100	30	1.30	8	100	223-2d35e3.00A8Z96	35	3.00	8	96
223-2d30e1.40A8Z100	30	1.40	8	100	223-2d40e0.15A8Z100	40	0.15	8	100
223-2d30e1.50A8Z100	30	1.50	8	100	223-2d40e0.15A8Z160	40	0.15	8	160
223-2d30e2.00A8Z100	30	2.00	8	100	223-2d40e0.15A10Z100	40	0.15	10	100
223-2d30e2.50A8Z100	30	2.50	8	100	223-2d40e0.15A10Z160	40	0.15	10	160
223-2d30e3.00A8Z100	30	3.00	8	100	223-2d40e0.20A8Z100	40	0.20	8	100
223-2d32e0.15A8Z80	32	0.15	8	80	223-2d40e0.20A8Z160	40	0.20	8	160
223-2d32e0.20A8Z80	32	0.20	8	80	223-2d40e0.20A10Z100	40	0.20	10	100
223-2d32e0.25A8Z80	32	0.25	8	80	223-2d40e0.20A10Z160	40	0.20	10	160
223-2d32e0.30A8Z80	32	0.30	8	80	223-2d40e0.25A8Z100	40	0.25	8	100
223-2d32e0.35A8Z80	32	0.35	8	80	223-2d40e0.25A8Z160	40	0.25	8	160
223-2d32e0.40A8Z80	32	0.40	8	80	223-2d40e0.25A10Z100	40	0.25	10	100



Slitting saw extra fine pitch



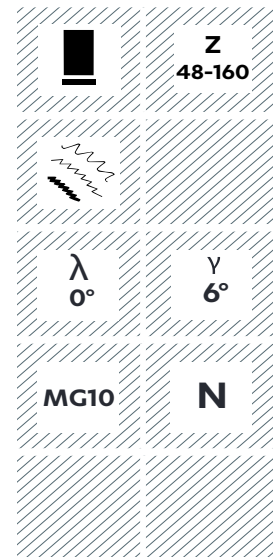
Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-2d40e0.25A10Z160	40	0.25	10	160	223-2d40e1.30A8Z100	40	1.30	8	100
223-2d40e0.30A8Z100	40	0.30	8	100	223-2d40e1.30A8Z160	40	1.30	8	160
223-2d40e0.30A8Z160	40	0.30	8	160	223-2d40e1.30A10Z100	40	1.30	10	100
223-2d40e0.30A10Z100	40	0.30	10	100	223-2d40e1.30A10Z160	40	1.30	10	160
223-2d40e0.30A10Z160	40	0.30	10	160	223-2d40e1.40A8Z100	40	1.40	8	100
223-2d40e0.35A8Z100	40	0.35	8	100	223-2d40e1.40A8Z160	40	1.40	8	160
223-2d40e0.35A8Z160	40	0.35	8	160	223-2d40e1.40A10Z100	40	1.40	10	100
223-2d40e0.35A10Z100	40	0.35	10	100	223-2d40e1.40A10Z160	40	1.40	10	160
223-2d40e0.35A10Z160	40	0.35	10	160	223-2d40e1.50A8Z100	40	1.50	8	100
223-2d40e0.40A8Z100	40	0.40	8	100	223-2d40e1.50A8Z160	40	1.50	8	160
223-2d40e0.40A8Z160	40	0.40	8	160	223-2d40e1.50A10Z100	40	1.50	10	100
223-2d40e0.40A10Z100	40	0.40	10	100	223-2d40e1.50A10Z160	40	1.50	10	160
223-2d40e0.40A10Z160	40	0.40	10	160	223-2d40e2.00A8Z100	40	2.00	8	100
223-2d40e0.50A8Z100	40	0.50	8	100	223-2d40e2.00A8Z160	40	2.00	8	160
223-2d40e0.50A8Z160	40	0.50	8	160	223-2d40e2.00A10Z100	40	2.00	10	100
223-2d40e0.50A10Z100	40	0.50	10	100	223-2d40e2.00A10Z160	40	2.00	10	160
223-2d40e0.50A10Z160	40	0.50	10	160	223-2d40e2.50A8Z100	40	2.50	8	100
223-2d40e0.60A8Z100	40	0.60	8	100	223-2d40e2.50A8Z160	40	2.50	8	160
223-2d40e0.60A8Z160	40	0.60	8	160	223-2d40e2.50A10Z100	40	2.50	10	100
223-2d40e0.60A10Z100	40	0.60	10	100	223-2d40e2.50A10Z160	40	2.50	10	160
223-2d40e0.60A10Z160	40	0.60	10	160	223-2d40e3.00A8Z100	40	3.00	8	100
223-2d40e0.70A8Z100	40	0.70	8	100	223-2d40e3.00A8Z160	40	3.00	8	160
223-2d40e0.70A8Z160	40	0.70	8	160	223-2d40e3.00A10Z100	40	3.00	10	100
223-2d40e0.70A10Z100	40	0.70	10	100	223-2d40e3.00A10Z160	40	3.00	10	160
223-2d40e0.70A10Z160	40	0.70	10	160	223-2d45e0.15A8Z100	45	0.15	8	100
223-2d40e0.80A8Z100	40	0.80	8	100	223-2d45e0.15A8Z160	45	0.15	8	160
223-2d40e0.80A8Z160	40	0.80	8	160	223-2d45e0.20A8Z100	45	0.20	8	100
223-2d40e0.80A10Z100	40	0.80	10	100	223-2d45e0.20A8Z160	45	0.20	8	160
223-2d40e0.80A10Z160	40	0.80	10	160	223-2d45e0.25A8Z100	45	0.25	8	100
223-2d40e0.90A8Z100	40	0.90	8	100	223-2d45e0.25A8Z160	45	0.25	8	160
223-2d40e0.90A8Z160	40	0.90	8	160	223-2d45e0.30A8Z100	45	0.30	8	100
223-2d40e0.90A10Z100	40	0.90	10	100	223-2d45e0.30A8Z160	45	0.30	8	160
223-2d40e0.90A10Z160	40	0.90	10	160	223-2d45e0.35A8Z100	45	0.35	8	100
223-2d40e1.00A8Z100	40	1.00	8	100	223-2d45e0.35A8Z160	45	0.35	8	160
223-2d40e1.00A8Z160	40	1.00	8	160	223-2d45e0.40A8Z100	45	0.40	8	100
223-2d40e1.00A10Z100	40	1.00	10	100	223-2d45e0.40A8Z160	45	0.40	8	160
223-2d40e1.00A10Z160	40	1.00	10	160	223-2d45e0.50A8Z100	45	0.50	8	100
223-2d40e1.10A8Z100	40	1.10	8	100	223-2d45e0.50A8Z160	45	0.50	8	160
223-2d40e1.10A8Z160	40	1.10	8	160	223-2d45e0.60A8Z100	45	0.60	8	100
223-2d40e1.10A10Z100	40	1.10	10	100	223-2d45e0.60A8Z160	45	0.60	8	160
223-2d40e1.10A10Z160	40	1.10	10	160	223-2d45e0.70A8Z100	45	0.70	8	100
223-2d40e1.20A8Z100	40	1.20	8	100	223-2d45e0.70A8Z160	45	0.70	8	160
223-2d40e1.20A8Z160	40	1.20	8	160	223-2d45e0.80A8Z100	45	0.80	8	100
223-2d40e1.20A10Z100	40	1.20	10	100	223-2d45e0.80A8Z160	45	0.80	8	160
223-2d40e1.20A10Z160	40	1.20	10	160	223-2d45e0.90A8Z100	45	0.90	8	100

Slitting saw extra fine pitch

223-2

Continuation

Art. n°	d ₁	e	d ₂	Z	Art. n°	d ₁	e	d ₂	Z
223-2d45e0.90A8Z160	45	0.90	8	160	223-2d50e1.30A13Z120	50	1.30	13	120
223-2d45e1.00A8Z100	45	1.00	8	100	223-2d50e1.40A10Z100	50	1.40	10	100
223-2d45e1.00A8Z160	45	1.00	8	160	223-2d50e1.40A13Z120	50	1.40	13	120
223-2d45e1.10A8Z100	45	1.10	8	100	223-2d50e1.50A10Z100	50	1.50	10	100
223-2d45e1.10A8Z160	45	1.10	8	160	223-2d50e1.50A13Z120	50	1.50	13	120
223-2d45e1.20A8Z100	45	1.20	8	100	223-2d50e2.00A10Z100	50	2.00	10	100
223-2d45e1.20A8Z160	45	1.20	8	160	223-2d50e2.00A13Z120	50	2.00	13	120
223-2d45e1.30A8Z100	45	1.30	8	100	223-2d50e2.50A10Z100	50	2.50	10	100
223-2d45e1.30A8Z160	45	1.30	8	160	223-2d50e2.50A13Z120	50	2.50	13	120
223-2d45e1.40A8Z100	45	1.40	8	100	223-2d50e3.00A10Z100	50	3.00	10	100
223-2d45e1.40A8Z160	45	1.40	8	160	223-2d50e3.00A13Z120	50	3.00	13	120
223-2d45e1.50A8Z100	45	1.50	8	100	223-2d63e0.25A16Z120	63	0.25	16	120
223-2d45e1.50A8Z160	45	1.50	8	160	223-2d63e0.30A16Z120	63	0.30	16	120
223-2d45e2.00A8Z100	45	2.00	8	100	223-2d63e0.35A16Z120	63	0.35	16	120
223-2d45e2.00A8Z160	45	2.00	8	160	223-2d63e0.40A16Z120	63	0.40	16	120
223-2d45e2.50A8Z100	45	2.50	8	100	223-2d63e0.50A16Z120	63	0.50	16	120
223-2d45e2.50A8Z160	45	2.50	8	160	223-2d63e0.60A16Z120	63	0.60	16	120
223-2d45e3.00A8Z100	45	3.00	8	100	223-2d63e0.70A16Z120	63	0.70	16	120
223-2d45e3.00A8Z160	45	3.00	8	160	223-2d63e0.80A16Z120	63	0.80	16	120
223-2d50e0.20A10Z100	50	0.20	10	100	223-2d63e0.90A16Z120	63	0.90	16	120
223-2d50e0.25A10Z100	50	0.25	10	100	223-2d63e1.00A16Z120	63	1.00	16	120
223-2d50e0.25A13Z120	50	0.25	13	120	223-2d63e1.10A16Z120	63	1.10	16	120
223-2d50e0.30A10Z100	50	0.30	10	100	223-2d63e1.20A16Z120	63	1.20	16	120
223-2d50e0.30A13Z120	50	0.30	13	120	223-2d63e1.30A16Z120	63	1.30	16	120
223-2d50e0.35A10Z100	50	0.35	10	100	223-2d63e1.40A16Z120	63	1.40	16	120
223-2d50e0.35A13Z120	50	0.35	13	120	223-2d63e1.50A16Z120	63	1.50	16	120
223-2d50e0.40A10Z100	50	0.40	10	100	223-2d63e2.00A16Z120	63	2.00	16	120
223-2d50e0.40A13Z120	50	0.40	13	120	223-2d63e2.50A16Z120	63	2.50	16	120
223-2d50e0.50A10Z100	50	0.50	10	100	223-2d63e3.00A16Z120	63	3.00	16	120
223-2d50e0.50A13Z120	50	0.50	13	120	223-2d80e0.50A16Z128	80	0.50	16	128
223-2d50e0.60A10Z100	50	0.60	10	100	223-2d80e0.60A16Z128	80	0.60	16	128
223-2d50e0.60A13Z120	50	0.60	13	120	223-2d80e0.70A16Z128	80	0.70	16	128
223-2d50e0.70A10Z100	50	0.70	10	100	223-2d80e0.80A16Z128	80	0.80	16	128
223-2d50e0.70A13Z120	50	0.70	13	120	223-2d80e0.90A16Z128	80	0.90	16	128
223-2d50e0.80A10Z100	50	0.80	10	100	223-2d80e1.00A16Z128	80	1.00	16	128
223-2d50e0.80A13Z120	50	0.80	13	120	223-2d80e1.10A16Z128	80	1.10	16	128
223-2d50e0.90A10Z100	50	0.90	10	100	223-2d80e1.20A16Z128	80	1.20	16	128
223-2d50e0.90A13Z120	50	0.90	13	120	223-2d80e1.30A16Z128	80	1.30	16	128
223-2d50e1.00A10Z100	50	1.00	10	100	223-2d80e1.40A16Z128	80	1.40	16	128
223-2d50e1.00A13Z120	50	1.00	13	120	223-2d80e1.50A16Z128	80	1.50	16	128
223-2d50e1.10A10Z100	50	1.10	10	100	223-2d80e2.00A16Z128	80	2.00	16	128
223-2d50e1.10A13Z120	50	1.10	13	120	223-2d80e2.50A16Z128	80	2.50	16	128
223-2d50e1.20A10Z100	50	1.20	10	100	223-2d80e3.00A16Z128	80	3.00	16	128
223-2d50e1.20A13Z120	50	1.20	13	120					
223-2d50e1.30A10Z100	50	1.30	10	100					



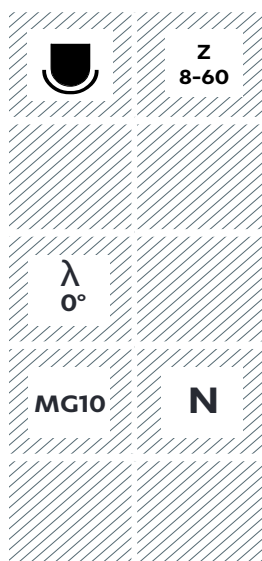
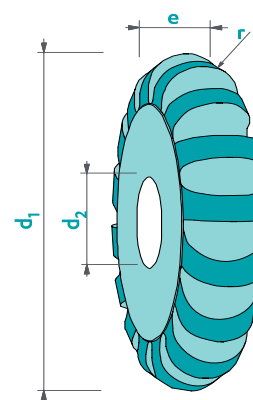
Radius cutter convex



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	64	96	□	■	Nemo
Steel > 700 N/mm ²	48	80	□	■	Nemo
Stainless steel	48	80	□	■	Nemo
Cast iron	40	72	□	■	Nemo
Copper	160	240	□	■	Solo
Brass - Bronze	160	240	■	□	Solo
Aluminium	200	320	□	■	Solo
Gold - Silver	120	240	□	■	Solo
Platinum - Palladium	-	-	-	-	-
Superalloy	16	32	□	■	Trio
Titanium	32	48	■	■	Rico

not adapted - adapted □ highly adapted ■

Tolerance e: +0/-0.01
d₂: h5

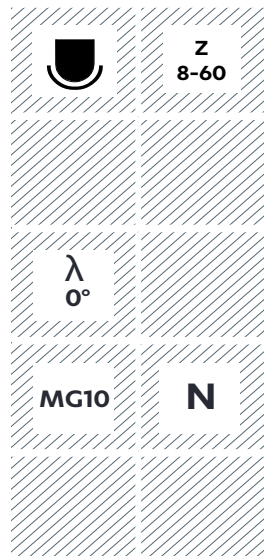


Art. n°	d ₁	e	d ₂	r	Z	Art. n°	d ₁	e	d ₂	r	Z
232d10r0.10Z##	10	0.2	3	0.10	15	232d20r0.75Z##	20	1.5	5	0.75	16 - 20
232d10r0.25Z##	10	0.5	3	0.25	15	232d20r0.80Z##	20	1.6	5	0.80	16 - 20
232d10r0.50Z##	10	1.0	3	0.50	15	232d20r0.85Z##	20	1.7	5	0.85	16 - 20
232d10r0.75Z##	10	1.5	3	0.75	15	232d20r0.90Z##	20	1.8	5	0.90	16 - 20
232d10r1.00Z##	10	2.0	3	1.00	8	232d20r0.95Z##	20	1.9	5	0.95	16 - 20
232d10r1.50Z##	10	3.0	3	1.50	8	232d20r1.00Z##	20	2.0	5	1.00	16 - 20
232d10r2.00Z##	10	4.0	3	2.00	8	232d20r1.05Z##	20	2.1	5	1.05	16
232d15r0.10Z##	15	0.2	5	0.10	20	232d20r1.10Z##	20	2.2	5	1.10	16
232d15r0.25Z##	15	0.5	5	0.25	20	232d20r1.15Z##	20	2.3	5	1.15	16
232d15r0.50Z##	15	1.0	5	0.50	20	232d20r1.20Z##	20	2.4	5	1.20	16
232d15r0.75Z##	15	1.5	5	0.75	12	232d20r1.25Z##	20	2.5	5	1.25	16
232d15r1.00Z##	15	2.0	5	1.00	12 - 16	232d20r1.30Z##	20	2.6	5	1.30	16
232d15r1.50Z##	15	3.0	5	1.50	10	232d20r1.35Z##	20	2.7	5	1.35	16
232d15r1.75Z##	15	3.5	5	1.75	10	232d20r1.40Z##	20	2.8	5	1.40	16
232d15r2.00Z##	15	4.0	5	2.00	10	232d20r1.45Z##	20	2.9	5	1.45	16
232d15r2.50Z##	15	5.0	5	2.50	10	232d20r1.50Z##	20	3.0	5	1.50	16
232d20r0.10Z##	20	0.2	5	0.10	20 - 24	232d20r1.75Z##	20	3.5	5	1.75	16
232d20r0.15Z##	20	0.3	5	0.15	20 - 24	232d20r2.00Z##	20	4.0	5	2.00	16
232d20r0.20Z##	20	0.4	5	0.20	20 - 24	232d20r2.25Z##	20	4.5	5	2.25	16
232d20r0.25Z##	20	0.5	5	0.25	18 - 20	232d20r2.50Z##	20	5.0	5	2.50	12 - 16
232d20r0.30Z##	20	0.6	5	0.30	18 - 20	232d20r3.00Z##	20	6.0	5	3.00	12 - 16
232d20r0.35Z##	20	0.7	5	0.35	18 - 20	232d25r0.10Z##	25	0.2	8	0.10	30
232d20r0.40Z##	20	0.8	5	0.40	18 - 20	232d25r0.15Z##	25	0.3	8	0.15	30
232d20r0.45Z##	20	0.9	5	0.45	18 - 20	232d25r0.20Z##	25	0.4	8	0.20	30
232d20r0.50Z##	20	1.0	5	0.50	20 - 24	232d25r0.25Z##	25	0.5	8	0.25	20 - 30
232d20r0.55Z##	20	1.1	5	0.55	20 - 24	232d25r0.30Z##	25	0.6	8	0.30	20 - 30
232d20r0.60Z##	20	1.2	5	0.60	16 - 20	232d25r0.35Z##	25	0.7	8	0.35	20 - 30
232d20r0.65Z##	20	1.3	5	0.65	16 - 20	232d25r0.40Z##	25	0.8	8	0.40	20 - 30
232d20r0.70Z##	20	1.4	5	0.70	16 - 20	232d25r0.45Z##	25	0.9	8	0.45	20 - 30

Radius cutter convex

232

Art. n°	d ₁	l ₁	D	L	Z	Art. n°	d ₁	l ₁	D	L	Z
232d25r0.50Z##	25	1.0	8	0.50	20 - 30	232d30r1.35Z##	30	2.7	8	1.35	20 - 24
232d25r0.55Z##	25	1.1	8	0.55	20 - 30	232d30r1.40Z##	30	2.8	8	1.40	20 - 24
232d25r0.60Z##	25	1.2	8	0.60	20 - 30	232d30r1.45Z##	30	2.9	8	1.45	20 - 24
232d25r0.65Z##	25	1.3	8	0.65	20 - 30	232d30r1.50Z##	30	3.0	8	1.50	15 - 20
232d25r0.70Z##	25	1.4	8	0.70	20 - 30	232d30r1.75Z##	30	3.5	8	1.75	15 - 20
232d25r0.75Z##	25	1.5	8	0.75	16 - 20	232d30r2.00Z##	30	4.0	8	2.00	15 - 20
232d25r0.80Z##	25	1.6	8	0.80	16 - 20	232d30r2.25Z##	30	4.5	8	2.25	15 - 20
232d25r0.85Z##	25	1.7	8	0.85	16 - 20	232d30r2.50Z##	30	5.0	8	2.50	15 - 20
232d25r0.90Z##	25	1.8	8	0.90	16 - 20	232d30r3.00Z##	30	6.0	8	3.00	15 - 20
232d25r0.95Z##	25	1.9	8	0.95	16 - 20	232d30r3.05Z##	30	6.1	8	3.05	15 - 20
232d25r1.00Z##	25	2.0	8	1.00	20 - 24	232d40r0.10Z##	40	0.2	10	0.10	40
232d25r1.05Z##	25	2.1	8	1.05	20 - 24	232d40r0.25Z##	40	0.5	10	0.25	40
232d25r1.10Z##	25	2.2	8	1.10	20 - 24	232d40r0.30Z##	40	0.6	10	0.30	40
232d25r1.15Z##	25	2.3	8	1.15	20 - 24	232d40r0.35Z##	40	0.7	10	0.35	40
232d25r1.20Z##	25	2.4	8	1.20	20 - 24	232d40r0.40Z##	40	0.8	10	0.40	40
232d25r1.25Z##	25	2.5	8	1.25	20 - 24	232d40r0.45Z##	40	0.9	10	0.45	40
232d25r1.30Z##	25	2.6	8	1.30	20 - 24	232d40r0.50Z##	40	1.0	10	0.50	28 - 40
232d25r1.35Z##	25	2.7	8	1.35	20 - 24	232d40r0.55Z##	40	1.1	10	0.55	24 - 30
232d25r1.40Z##	25	2.8	8	1.40	20 - 24	232d40r0.60Z##	40	1.2	10	0.60	24 - 30
232d25r1.45Z##	25	2.9	8	1.45	20 - 24	232d40r0.65Z##	40	1.3	10	0.65	24 - 30
232d25r1.50Z##	25	3.0	8	1.50	16	232d40r0.70Z##	40	1.4	10	0.70	24 - 30
232d25r1.75Z##	25	3.5	8	1.75	16	232d40r0.75Z##	40	1.5	10	0.75	24 - 30
232d25r2.00Z##	25	4.0	8	2.00	16	232d40r0.80Z##	40	1.6	10	0.80	24 - 30
232d25r2.25Z##	25	4.5	8	2.25	16	232d40r0.85Z##	40	1.7	10	0.85	24 - 30
232d25r2.50Z##	25	5.0	8	2.50	16	232d40r0.90Z##	40	1.8	10	0.90	24 - 30
232d25r3.00Z##	25	6.0	8	3.00	16	232d40r0.95Z##	40	1.9	10	0.95	24 - 30
232d30r0.10Z##	30	0.2	8	0.10	30	232d40r1.00Z##	40	2.0	10	1.00	24 - 30
232d30r0.25Z##	30	0.5	8	0.25	24 - 30	232d40r1.05Z##	40	2.1	10	1.05	24 - 30
232d30r0.50Z##	30	1.0	8	0.50	24 - 30	232d40r1.10Z##	40	2.2	10	1.10	24 - 30
232d30r0.55Z##	30	1.1	8	0.55	20 - 24	232d40r1.15Z##	40	2.3	10	1.15	24 - 30
232d30r0.60Z##	30	1.2	8	0.60	20 - 24	232d40r1.20Z##	40	2.4	10	1.20	24 - 30
232d30r0.65Z##	30	1.3	8	0.65	20 - 24	232d40r1.25Z##	40	2.5	10	1.25	24 - 30
232d30r0.70Z##	30	1.4	8	0.70	20 - 24	232d40r1.30Z##	40	2.6	10	1.30	24 - 30
232d30r0.75Z##	30	1.5	8	0.75	20 - 24	232d40r1.35Z##	40	2.7	10	1.35	24 - 30
232d30r0.80Z##	30	1.6	8	0.80	20 - 24	232d40r1.40Z##	40	2.8	10	1.40	24 - 30
232d30r0.85Z##	30	1.7	8	0.85	20 - 24	232d40r1.45Z##	40	2.9	10	1.45	24 - 30
232d30r0.90Z##	30	1.8	8	0.90	20 - 24	232d40r1.50Z##	40	3.0	10	1.50	24
232d30r0.95Z##	30	1.9	8	0.95	20 - 24	232d40r1.75Z##	40	3.5	10	1.75	24
232d30r1.00Z##	30	2.0	8	1.00	20 - 24	232d40r2.00Z##	40	4.0	10	2.00	24
232d30r1.05Z##	30	2.1	8	1.05	20 - 24	232d40r2.25Z##	40	4.5	10	2.25	24
232d30r1.10Z##	30	2.2	8	1.10	20 - 24	232d40r2.50Z##	40	5.0	10	2.50	24
232d30r1.15Z##	30	2.3	8	1.15	20 - 24	232d40r3.00Z##	40	6.0	10	3.00	24
232d30r1.20Z##	30	2.4	8	1.20	20 - 24	232d50r0.10Z##	50	0.2	13	0.10	50
232d30r1.25Z##	30	2.5	8	1.25	20 - 24	232d50r0.25Z##	50	0.5	13	0.25	50
232d30r1.30Z##	30	2.6	8	1.30	20 - 24	232d50r0.30Z##	50	0.6	13	0.30	50



Radius cutter convex

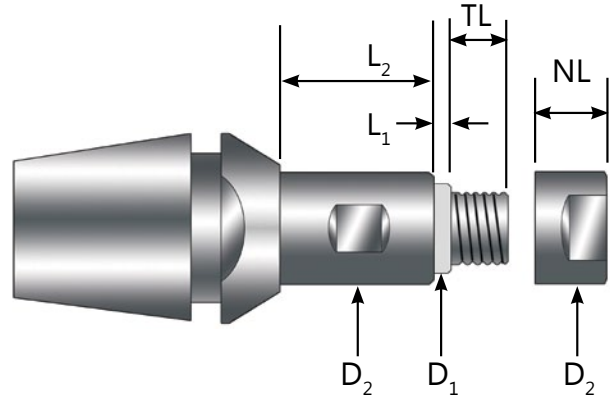
Z
8-60 λ
0°

MG10

N

Art. n°	d ₁	e	d ₂	r	Z	Art. n°	d ₁	e	d ₂	r	Z
232d50r0.35Z##	50	0.7	13	0.35	50	232d80r1.50Z##	80	3.0	22	1.50	40
232d50r0.40Z##	50	0.8	13	0.40	50	232d80r1.75Z##	80	3.5	22	1.75	40
232d50r0.45Z##	50	0.9	13	0.45	50	232d80r2.00Z##	80	4.0	22	2.00	40
232d50r0.50Z##	50	1.0	13	0.50	50	232d80r2.25Z##	80	4.5	22	2.25	40
232d50r0.55Z##	50	1.1	13	0.55	40	232d80r2.50Z##	80	5.0	22	2.50	40
232d50r0.60Z##	50	1.2	13	0.60	40	232d80r3.00Z##	80	6.0	22	3.00	40
232d50r1.65Z##	50	3.3	13	1.65	40	232d100r0.25Z##	100	0.5	22	0.25	80
232d50r0.70Z##	50	1.4	13	0.70	40	232d100r0.50Z##	100	1.0	22	0.50	80
232d50r0.75Z##	50	1.5	13	0.75	40	232d100r0.75Z##	100	1.5	22	0.75	80
232d50r0.80Z##	50	1.6	13	0.80	40	232d100r1.00Z##	100	2.0	22	1.00	60
232d50r0.85Z##	50	1.7	13	0.85	40	232d100r1.50Z##	100	3.0	22	1.50	60
232d50r0.90Z##	50	1.8	13	0.90	40	232d100r1.75Z##	100	3.5	22	1.75	60
232d50r0.95Z##	50	1.9	13	0.95	40	232d100r2.00Z##	100	4.0	22	2.00	50
232d50r1.00Z##	50	2.0	13	1.00	40	232d100r2.25Z##	100	4.5	22	2.25	50
232d50r1.05Z##	50	2.1	13	1.05	40	232d100r2.50Z##	100	5.0	22	2.50	50
232d50r1.10Z##	50	2.2	13	1.10	40	232d100r3.00Z##	100	6.0	22	3.00	50
232d50r1.15Z##	50	2.3	13	1.15	40						
232d50r1.20Z##	50	2.4	13	1.20	40						
232d50r1.25Z##	50	2.5	13	1.25	40						
232d50r1.30Z##	50	2.6	13	1.30	40						
232d50r1.35Z##	50	2.7	13	1.35	40						
232d50r1.40Z##	50	2.8	13	1.40	40						
232d50r1.45Z##	50	2.9	13	1.45	40						
232d50r1.50Z##	50	3.0	13	1.50	30						
232d50r1.75Z##	50	3.5	13	1.75	30						
232d50r2.00Z##	50	4.0	13	2.00	30						
232d50r2.25Z##	50	4.5	13	2.25	30						
232d50r2.50Z##	50	5.0	13	2.50	30						
232d50r3.00Z##	50	6.0	13	3.00	30						
232d63r0.25Z##	63	0.5	16	0.25	60						
232d63r0.50Z##	63	1.0	16	0.50	60						
232d63r0.75Z##	63	1.5	16	0.75	40						
232d63r1.00Z##	63	2.0	16	1.00	40						
232d63r1.25Z##	63	2.5	16	1.25	40						
232d63r1.50Z##	63	3.0	16	1.50	40						
232d63r1.75Z##	63	3.5	16	1.75	40						
232d63r2.00Z##	63	4.0	16	2.00	30						
232d63r2.25Z##	63	4.5	16	2.25	30						
232d63r2.50Z##	63	5.0	16	2.50	30						
232d63r3.00Z##	63	6.0	16	3.00	30						
232d80r0.25Z##	80	0.5	22	0.25	80						
232d80r0.50Z##	80	1.0	22	0.50	80						
232d80r0.75Z##	80	1.5	22	0.75	60						
232d80r1.00Z##	80	2.0	22	1.00	60						
232d80r1.25Z##	80	2.5	22	1.25	60						

GenSwiss Ti-Loc - ER Taper Integrated Saw Arbors



ERI Saw Arbors

Part No.	D1	D2	L1	L2	NL	TL
SAT-11-3.00-064100	3	6.4	1.27	10	5	5
SAT-11-3.00-064140	3	6.4	1.27	14	5	5
SAT-11-3.00-064190	3	6.4	1.27	19	5	5
SAT-11-3.00-064250	3	6.4	1.27	25	5	5
SAT-11-3.18-064100	.125"	6.4	1.27	10	5	5
SAT-11-3.18-064140	.125"	6.4	1.27	14	5	5
SAT-11-3.18-064190	.125"	6.4	1.27	19	5	5
SAT-11-3.18-064250	.125"	6.4	1.27	25	5	5
SAT-11-4.76-080100	.187"	8	1.27	10	5	6.35
SAT-11-4.76-080140	.187"	8	1.27	14	5	6.35
SAT-11-4.76-080190	.187"	8	1.27	19	5	6.35
SAT-11-4.76-080250	.187"	8	1.27	25	5	6.35
SAT-11-5.00-080100	5	8	1.27	10	5	6.35
SAT-11-5.00-080140	5	8	1.27	14	5	6.35
SAT-11-5.00-080190	5	8	1.27	19	5	6.35
SAT-11-5.00-080250	5	8	1.27	25	5	6.35
SAT-11-6.00-080100	6	8	1.27	10	6.35	8
SAT-11-6.00-080140	6	8	1.27	14	6.35	8
SAT-11-6.00-080190	6	8	1.27	19	6.35	8
SAT-11-6.00-080250	6	8	1.27	25	6.35	8

Recommended MAX. SAW THICKNESS: ~2mm / .080"

ER20 Saw Arbors

Part No.	D1	D2	L1	L2	NL	TL
SAT-20-3.00-064180	3	6.35	1.27	18	6.35	6.5
SAT-20-3.00-064300	3	6.35	1.27	30	6.35	6.5
SAT-20-3.18-064180	.125"	6.35	1.27	18	6.35	6.5
SAT-20-3.18-064300	.125"	6.35	1.27	30	6.35	6.5
SAT-20-4.76-095180	.187"	9.53	1.27	18	6.35	7.75
SAT-20-4.76-095300	.187"	9.53	1.27	30	6.35	7.75
SAT-20-5.00-095180	5	9.53	1.27	18	6.35	7.75
SAT-20-5.00-095300	5	9.53	1.27	30	6.35	7.75
SAT-20-6.00-095180	6	9.53	1.27	18	6.35	8.5
SAT-20-6.00-095300	6	9.53	1.27	30	6.35	8.5
SAT-20-6.35-095180	.250"	9.53	1.27	18	6.35	7.75
SAT-20-6.35-095300	.250"	9.53	1.27	30	6.35	7.75
SAT-20-7.94-100180	.312"	9.53	1.27	18	6.35	7.75
SAT-20-7.94-100300	.312"	9.53	1.27	30	6.35	7.75
SAT-20-8.00-100180	8	10	1.27	18	6.35	7.75
SAT-20-8.00-100300	8	10	1.27	30	6.35	7.75
SAT-20-9.52-125180	.375"	12.5	1.27	18	7	9
SAT-20-9.52-125300	.375"	12.5	1.27	30	7	9
SAT-20-10.0-125180	10	12.5	1.27	18	7	9
SAT-20-10.0-125300	10	12.5	1.27	30	7	9

Recommended MAX. SAW THICKNESS: ~2mm / .080"

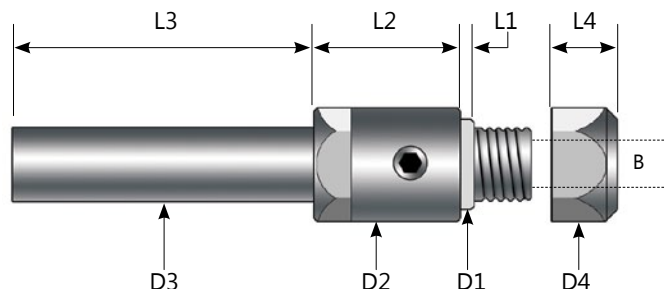
ERI6 Saw Arbors

Part No.	D1	D2	L1	L2	NL	TL
SAT-16-3.00-064180	3	6.35	1.27	18	6.35	6.5
SAT-16-3.00-064240	3	6.35	1.27	24	6.35	6.5
SAT-16-3.18-064180	.125"	6.35	1.27	18	6.35	6.5
SAT-16-3.18-064240	.125"	6.35	1.27	24	6.35	6.5
SAT-16-4.76-095180	.187"	9.53	1.27	18	6.35	6.5
SAT-16-4.76-095240	.187"	9.53	1.27	24	6.35	6.5
SAT-16-5.00-095180	5	9.5	1.27	18	6.35	6.5
SAT-16-5.00-095240	5	9.5	1.27	24	6.35	6.5
SAT-16-6.00-095180	6	9.53	1.27	18	6.35	6.5
SAT-16-6.00-095240	6	9.53	1.27	24	6.35	6.5
SAT-16-6.35-095180	.250"	9.53	1.27	18	6.35	6.5
SAT-16-6.35-095240	.250"	9.53	1.27	24	6.35	6.5
SAT-16-7.94-100180	.312"	10	1.27	18	6.35	6.5
SAT-16-7.94-100240	.312"	10	1.27	24	6.35	6.5
SAT-16-8.00-100180	8	10	1.27	18	6.35	6.5
SAT-16-8.00-100240	8	10	1.27	24	6.35	6.5

Recommended MAX. SAW THICKNESS: ~2mm / .080"



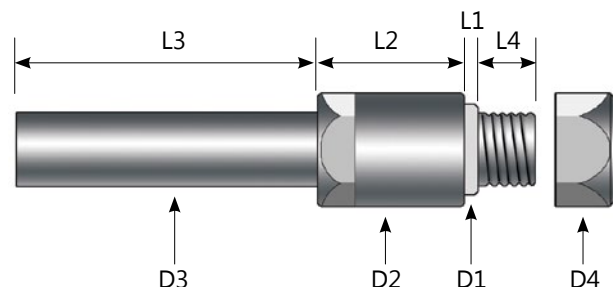
GenSwiss Signature Series Saw Arbors



GenSwiss Ultra Precision combination arbors are made from prehardened material and exemplify what it means to be called "Swiss Precision". The addition of the combined mill or center drill provides additional tool capacity and setup flexibility. TIR measured at less than .0002". Made in the USA

5015 - Combination Style

Part No.	D1 x L1	D2 x L2	D3 x L3	D4 x L4	Tool Bore (B)
SAC-N250-250118	.250" x .125"	.375" x .625"	.250" x 1.375"	.375" x .375"	3mm
SAC-N312-312118	.312" x .125"	.375" x .625"	.312" x 1.375"	.375" x .375"	
SAC-N315-315118	8 x 3mm	9.5 x 16mm	8 x 35mm	9.5 x 9.5mm	
SAC-N375-375118	.3748" x .115"	.500" x .625"	.375" x 1.375"	.500" x .374"	
SAC-N394-394118	10 x 3mm	12.7 x 16mm	10 x 35mm	12.7 x 9.5mm	.1250"
SAC-N250-250125	.250" x .125"	.375" x .625"	.250" x 1.375"	.375" x .375"	
SAC-N312-312125	.312" x .125"	.375" x .625"	.312" x 1.375"	.375" x .375"	
SAC-N315-315125	8 x 3mm	9.5 x 16mm	8 x 35mm	9.5 x 9.5mm	
SAC-N375-375125	.3748" x .125"	.500" x .625"	.375" x 1.375"	.500" x .374"	.1875"
SAC-N394-394125	10 x 3mm	12.7 x 16mm	10 x 35mm	12.7 x 9.5mm	
SAC-N312-312187	.312" x .125"	.375" x .625"	.312" x 1.375"	.375" x .375"	
SAC-N315-315187	8 x 3mm	9.5 x 16mm	8 x 35mm	9.5 x 9.5mm	
SAC-N375-375187	.3748" x .125"	.500" x .625"	.375" x 1.375"	.500" x .374"	
SAC-N394-394187	10 x 3mm	12.7 x 16mm	10 x 35mm	12.7 x 9.5mm	



Our most popular style of slitting saw arbor is now available in guaranteed TIR grades of SAS (under .0005" TIR) and SAP (under .0002" TIR). Our SAS arbors are adequate for many applications and are an extremely cost effective method of clamping and holding a carbide slitting saw in your Swiss lathe tool setup. When ULTRA Precision is required, the SAP grade is suggested as they are held to stringent quality standards required by discerning Swiss-type machinists. Made in the USA

5025 - Precision Style

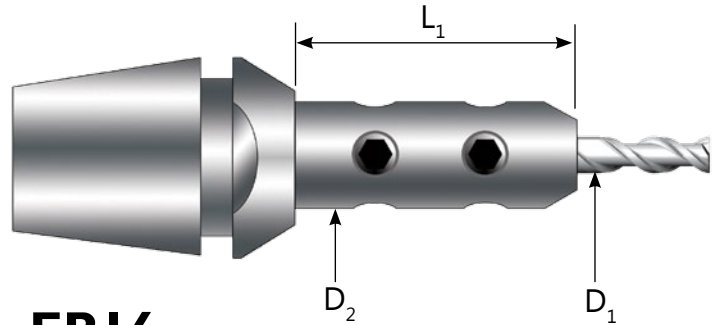
Standard Precision TIR<.0005"	ULTRA Precision TIR<.0002"	D1 x L1	D2 x L2	D3 x L3	D4 x L4
SAS-NI250-1250	SAP-NI250-1250	.1248 x .025	.197 x .500	.125 x 1.0	.197 x .185
SAS-NI875-1875	SAP-NI875-1875	.1874 x .045	.315 x .500	.187 x 1.40	.316 x .305
SAS-N2500-2500	SAP-N2500-2500	.2498 x .045	.394 x .500	.250 x 1.40	.394 x .305
SAS-N3125-3125	SAP-N3125-3125	.3124 x .045	.451 x .500	.312 x 1.40	.451 x .305
SAS-N3750-3750	SAP-N3750-3750	.3749 x .045	.500 x .500	.375 x 1.40	.500 x .305
SAS-N5000-5000	SAP-N5000-5000	.4999 x .052	.625 x .500	.500 x 1.40	.625 x .305
Metric Shanks TIR<.0005"	Metric Shanks TIR<.0002"	D1 x L1	D2 x L2	D3 x L3	D4 x L4
SAS-N0500-0500	SAP-N0500-0500	5 x 1mm	8 x 11.5mm	5 x 38mm	8.0 x 6.35mm
SAS-N0800-0800	SAP-N0800-0800	8 x 1.2mm	11.5 x 11.3mm	8 x 35mm	11.5 x 8.0mm
SAS-N1000-1000	SAP-N1000-1000	10 x 1.2mm	13.5 x 16.6mm	10 x 30mm	13.5 x 8.0mm

GenSwiss Ti-Loc - Micro End Mill Extensions



ER11

Part No.	L1	D1	D2
CTE-11-3.18-080100	10	.125"	8
CTE-11-3.00-080100		3	8
CTE-11-3.18-080150	15	.125"	8
CTE-11-3.00-080150		3	8
CTE-11-4.00-080150		4	8
CTE-11-3.18-080200	20	.125"	8
CTE-11-3.00-080200		3	8
CTE-11-4.00-080200		4	8



ER16

Part No.	L1	D1	D2
CTE-16-3.18-095160	16	.125"	9.5
CTE-16-4.76-095160		.187"	9.5
CTE-16-3.00-095160		3	9.5
CTE-16-4.00-095160		4	9.5
CTE-16-5.00-095160		5	9.5
CTE-16-3.18-095250	25	.125"	9.5
CTE-16-4.76-095250		.187"	9.5
CTE-16-3.00-095250		3	9.5
CTE-16-4.00-095250		4	9.5
CTE-16-5.00-095250		5	9.5

ER20

Part No.	L1	D1	D2
CTE-20-3.18-095160	16	.125"	9.5
CTE-20-4.76-114160		.187"	11.4
CTE-20-6.35-125140	14	.250"	12.5
CTE-20-4.00-095160	16	4	9.5
CTE-20-5.00-114140	14	5	11.4
CTE-20-6.00-125140		6	12.5
CTE-20-3.18-095250	25	.125"	9.5
CTE-20-4.76-114250		.187"	11.4
CTE-20-6.35-125250		.250"	12.5
CTE-20-3.00-095250		3	9.5
CTE-20-4.00-095250		4	9.5
CTE-20-5.00-114250		5	11.4
CTE-20-6.00-125250		6	12.5

ER25

Part No.	L1	D1	D2
CTE-25-3.18-100250	25	.125"	10
CTE-25-4.76-125250		.187"	12.5
CTE-25-6.35-125250		.250"	12.5
CTE-25-7.94-160250		.312"	16
CTE-25-3.00-100250	25	3	10
CTE-25-4.00-100250		4	10
CTE-25-5.00-125250		5	12.5
CTE-25-6.00-125250		6	12.5
CTE-25-7.00-160250		7	16
CTE-25-8.00-160250		8	16



LB LOUIS BELET
Cutting tools



- Reliable Source for Swiss-made Carbide Cutting Tools
- Size Tolerances Exceeding Industry Standards!
- Over 6500 Standard Tools Offered!
- Custom Tool Development
- Standard and Logarithmic Relief Grinding
- Tooling Specifically Designed for Medical, MicroMechanical and Precision Small Parts Manufacturing

Available from: Genevieve Swiss Industries, Inc.

6 Old Stage Road, Westfield MA 01085

Ph: (413) 562-4800 Fax: (413) 562-4802

www.genswiss.com sales@genswiss.com

genswiss.com