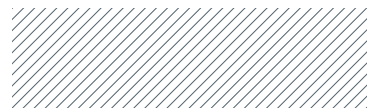


NEW

LB LOUIS BELET®
Swiss Cutting tools

News

Table of Contents



Endmills

Page

not adapted - adapted highly adapted

						Steel < 700 N/mm ²	Steel > 700 N/mm ²	Stainless steel	Hardened steel	Cast iron	Copper	Brass - Bronze	Alu- minium	Gold - Silver	Platinum- Palladium	Super- alloys	Cobalt- chrome	Titanium	Com- posite
REF. 119-4R	5					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-
REF. 119-3H	6					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-
REF. 119-3RH	7					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-
REF. 117H	8					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-
REF. 117-1H	9					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-
REF. 1430	10					-	-	<input type="checkbox"/>	-	-	-	-	-	<input type="checkbox"/>	-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
REF. 1450	11					-	-	<input type="checkbox"/>	-	-	-	-	-	<input type="checkbox"/>	-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
REF. 1430H	12					-	-	<input type="checkbox"/>	-	-	-	-	-	<input type="checkbox"/>	-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
REF. 1450H	13					-	-	<input type="checkbox"/>	-	-	-	-	-	<input type="checkbox"/>	-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
REF. 9020	14					-	-	-	-	-	-	-	-	-	-	-	-	-	<input type="checkbox"/>
REF. 9120	15					-	-	-	-	-	-	-	-	-	-	-	-	-	<input type="checkbox"/>
REF. 9530	16					-	-	-	-	-	-	-	-	-	-	-	-	-	<input type="checkbox"/>
REF. 9630	17					-	-	-	-	-	-	-	-	-	-	-	-	-	<input type="checkbox"/>
REF. 1520C01	18					-	-	-	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-	-
REF. 1820C01	19					-	-	-	-	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	-	-	-	-	-

New Table of Contents

Page

Steel < 700 N/mm ²	Steel > 700 N/mm ²	Stainless steel	Hardened steel	Cast iron	Copper	Brass - Bronze	Aluminium	Gold - Silver	Platinum - Palladium	Super-alloys	Cobalt-chrome	Titanium	Composite
-------------------------------	-------------------------------	-----------------	----------------	-----------	--------	----------------	-----------	---------------	----------------------	--------------	---------------	----------	-----------

REF. 1620F

20

			λ 35-40°	-	-	■	-	-	-	-	-	-	■	-
---	---	---	---------------------	---	---	---	---	---	---	---	---	---	---	---

REF. 3300

21

			λ 50°	-	-	-	■	■	-	-	-	-	-	-
---	---	---	------------------	---	---	---	---	---	---	---	---	---	---	---

Drills

REF. 337H

22

			λ 24°	■	■	■	-	■	■	■	■	■	■	■	-
---	---	---	------------------	---	---	---	---	---	---	---	---	---	---	---	---

REF. 337-2H

23

			λ 24°	■	■	■	-	■	■	■	■	■	■	■	-
---	---	---	------------------	---	---	---	---	---	---	---	---	---	---	---	---

REF. 374H

24

				-	-	■	-	-	-	-	-	-	-	-
---	---	---	--	---	---	---	---	---	---	---	---	---	---	---

REF. 375

26

			λ Variable	-	-	-	-	-	-	■	-	-	-	-
---	---	---	-----------------------	---	---	---	---	---	---	---	---	---	---	---

Thread mill

REF. 5000

27

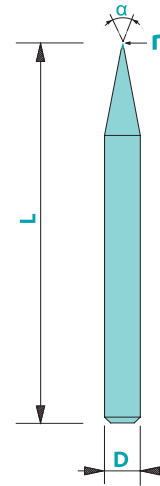
			Z84 Z96 λ 5°	■	■	■	-	■	■	■	■	■	■	■	-
---	---	---	-------------------------------	---	---	---	---	---	---	---	---	---	---	---	---

Engraving mill V-shape - reinforced radius on tip

119-4R

Material	n [rpm]	Ap	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Steel > 700 N/mm ²	20 - 40'000	0.05 - 0.30	-	■	Tisi (BQ)
Stainless steel	20 - 30'000	0.05 - 0.30	-	□	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Copper	20 - 40'000	0.05 - 0.40	□	■	Solo (DA)
Brass - Bronze	25 - 40'000	0.05 - 0.40	■	■	Solo (DA)
Aluminium	25 - 40'000	0.05 - 0.50	□	■	Solo (DA)
Gold - Silver	20 - 40'000	0.05 - 0.40	■	□	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	□	■	-
Cobalt - chrome	-	-	-	-	-
Titanium	25 - 40'000	0.05 - 0.40	□	■	RICO (ZB)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■



Tolerances r : ± 0.005
D: h5

Article number : 119-4Ra##r#.#

Example: End mill ref. 119-4R with 25° angle and radius 0.05 mm: 119-4Ra25r0.05

α^*	r^{**}	D	L	Uncoat. Price
15-45°	0.02-0.09	3	33	
15-45°	0.10-0.30	3	33	
50-140°	0.02-0.09	3	33	
50-140°	0.10-0.30	3	33	

*Available angles: every 5° between 15° and 45°; every 10° between 50° and 140°

**Available radius: every 0.01 mm between 0.02 and 0.09 mm; every 0.05 mm between 0.10 and 0.30 mm

Other dimensions (angle, radius, shank) upon request

* Prices for coatings: contact us!

To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated

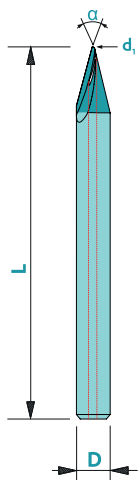


λ
0°

CARB

119-3H

Engraving mill with internal coolant - 3/4 - flat tip



Material	n [rpm]	Ap	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Steel > 700 N/mm ²	20 - 40'000	0.05 - 0.30	-	■	Tisi (BQ)
Stainless steel	20 - 30'000	0.05 - 0.30	-	□	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Copper	20 - 40'000	0.05 - 0.40	□	■	Solo (DA)
Brass - Bronze	25 - 40'000	0.05 - 0.40	■	■	Solo (DA)
Aluminium	25 - 40'000	0.05 - 0.50	□	■	Solo (DA)
Gold - Silver	20 - 40'000	0.05 - 0.40	■	□	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	□	■	-
Cobalt - chrome	-	-	-	-	-
Titanium	25 - 40'000	0.05 - 0.40	□	■	RICO (ZB)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances d₁: +/- 0.01
D: h5

Article number: 119-3Ha##d#.##
Example: End mill ref. 119-3H with 25° angle and tip diameter 0.05 mm: 119-3Ha25d0.05

α*	d ₁ **	D	L	Uncoat. Price
----	-------------------	---	---	---------------

15-45°	0.02-0.09	3	33	
15-45°	0.10-0.30	3	33	
50-140°	0.02-0.09	3	33	
50-140°	0.10-0.30	3	33	

*Available angles: every 5° between 15° and 45°; every 10° between 50° and 140°

**Available radius: every 0.01 mm between 0.02 and 0.09 mm; every 0.05 mm between 0.10 and 0.30 mm

Other dimensions (angle, radius, shank) upon request

* Prices for coatings: contact us!

To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated

0.02-0.30

λ 0°

CARB

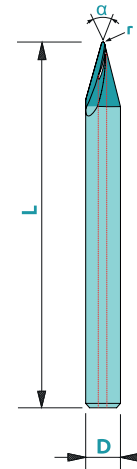
Engraving mill with internal coolant - 3/4 - radius on tip



119-3RH

Material	n [rpm]	Ap	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Steel > 700 N/mm ²	20 - 40'000	0.05 - 0.30	-	■	Tisi (BQ)
Stainless steel	20 - 30'000	0.05 - 0.30	-	□	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	25 - 40'000	0.05 - 0.40	□	■	Tisi (BQ)
Copper	20 - 40'000	0.05 - 0.40	□	■	Solo (DA)
Brass - Bronze	25 - 40'000	0.05 - 0.40	■	■	Solo (DA)
Aluminium	25 - 40'000	0.05 - 0.50	□	■	Solo (DA)
Gold - Silver	20 - 40'000	0.05 - 0.40	■	□	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	□	■	-
Cobalt - chrome	-	-	-	-	-
Titanium	25 - 40'000	0.05 - 0.40	□	■	RICO (ZB)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■



Tolerances r : +/- 0.005
D: h5

0.01

Article number : 119-3RHa###r#.##

Example: End mill ref. 119-3RH with 25° angle and radius 0.05 mm: 119-3RH25r0.05

α*	r**	D	L	Uncoat. Price
15-45°	0.02-0.09	3	33	
15-45°	0.10-0.30	3	33	
50-140°	0.02-0.09	3	33	
50-140°	0.10-0.30	3	33	

*Available angles: every 5° between 15° and 45°; every 10° between 50° and 140°

**Available radius: every 0.01 mm between 0.02 and 0.09 mm; every 0.05 mm between 0.10 and 0.30 mm

Other dimensions (angle, radius, shank) upon request

* Prices for coatings: contact us!

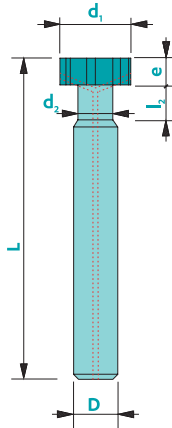
To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated



CARB





Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	120	155	☐	■	Tisi (BQ)
Steel > 700 N/mm ²	95	120	-	■	Tisi (BQ)
Stainless steel	60	85	☐	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	70	120	☐	■	Tisi (BQ)
Copper	155	190	☐	■	Solo (DA)
Brass - Bronze	170	230	■	☐	Solo (DA)
Aluminium	240	420	☐	■	Solo (DA)
Gold - Silver	170	215	■	■	Solo (DA)
Platinum - Palladium	-	40	-	☐	Solo (DA)
Superalloys	-	50	-	■	Trio (PO)
Cobalt - chrome	-	-	-	-	-
Titanium	50	70	■	■	RICO (ZB)
Composite	-	-	-	-	-

not adapted - adapted ☐ highly adapted ■

Tolerances
 $d_1 < D \triangleright d_1: 0/-0.02 \quad l_2: +0.2/-0$
 $d_1 > D \triangleright d_1: 0/-0.02 \quad d_2: 0/-0.1$
 $d_1 = D \triangleright -0.05/-0.10 \quad e: +0.01/-0.01$
 D: h5

Available uncoated or coated

Z3-9

0°

6-15°

CARB

Art. n°	d ₁	e*	d _{2 mini}	l ₂	D	L	Z	Uncoat. Price
117Hd4.00e#.#Z#	4	0.5-4.0	3	3	6	56	3/6	
117Hd6.00e#.#Z#	6	0.5-6.0	3	4	6	56	3/6	
117Hd8.00e#.#Z#	8	0.5-6.0	4	5	8	61	6	
117Hd10.00e#.#Z#	10	1.0-8.0	6	5	10	70	6	
117Hd12.00e#.#Z#	12	1.0-10.0	7	6	12	80	6	
117Hd16.00e#.#Z#	16	1.0-10.0	10	8	16	88	6/9	
117Hd20.00e#.#Z#	20	1.0-10.0	10	8	20	100	6/9	

* e : available thickness: every 0.1 mm
 * Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Order Quotation request

Dimensions : d ₁ : _____ e : _____ d ₂ : _____ l ₂ : _____ D : _____ L : _____ Z : <input type="checkbox"/> 3 <input type="checkbox"/> 6 <input type="checkbox"/> 9		Coating : <input type="checkbox"/> Uncoated <input type="checkbox"/> Coated* : _____	
Cut : <input type="checkbox"/> right cut <input type="checkbox"/> left cut	Machined material : _____	Quantity : _____	Order No : _____
Company's stamp & date : _____		Contact person : _____	

*Without information, the most suitable coating will be applied.

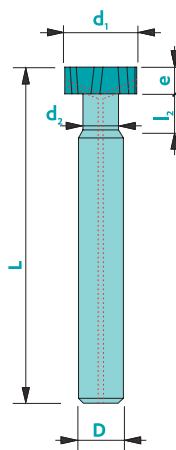
T-slot cutter with internal coolant staggered teeth



117-1H

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	120	155	□	■	Tisi (BQ)
Steel > 700 N/mm ²	95	120	-	■	Tisi (BQ)
Stainless steel	60	85	□	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	70	120	□	■	Tisi (BQ)
Copper	155	190	□	■	Solo (DA)
Brass - Bronze	170	230	■	□	Solo (DA)
Aluminium	240	420	□	■	Solo (DA)
Gold - Silver	170	215	■	■	Solo (DA)
Platinum - Palladium	-	40	-	□	Solo (DA)
Superalloys	-	50	-	■	Trio (PO)
Cobalt - chrome	-	-	-	-	-
Titanium	50	70	■	■	RICO (ZB)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■



Tolerances
 $d_1 < D \rightarrow d_1: 0/-0.02$
 $d_1 > D \rightarrow d_1: 0/-0.02$
 $d_1 = D \rightarrow d_1: -0.05/-0.10$
 $l_2: +0.2/-0$
 $d_2: 0/-0.1$
 $e: +0.01/-0.01$
 D: h5

Art. n°	d_1	e^*	$d_{2, \text{mini}}$	l_2	D	L	Z	Uncoat. Price
117-1Hd4.00e#.#Z#	4	0.5-3.0	3	3	6	56	6	
117-1Hd6.00e#.#Z#	6	0.5-3.0	3	4	6	56	6	
117-1Hd8.00e#.#Z#	8	0.5-6.0	4	5	8	61	6	
117-1Hd10.00e#.#Z#	10	0.5-4.0	6	5	10	70	6/12	
117-1Hd12.00e#.#Z#	12	0.5-5.0	7	6	12	80	6/12	
117-1Hd16.00e#.#Z#	16	0.5-6.0	10	8	16	88	6/12/18	
117-1Hd20.00e#.#Z#	20	0.5-6.0	10	8	20	100	6/12/18	

*e : available thickness: every 0.1 mm

* Prices for coatings: contact us!

To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated



Z6-18



λ
ALT

Y
6-15°

CARB



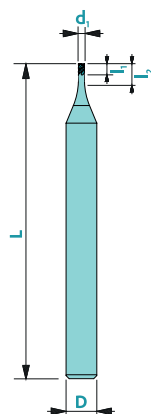
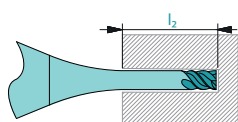
Order Quotation request

Dimensions : d_1 : _____ e : _____ d_2 : _____ l_2 : _____ D : _____ L : _____ Z : <input type="checkbox"/> 6 <input type="checkbox"/> 12 <input type="checkbox"/> 18		Coating : <input type="checkbox"/> Uncoated <input type="checkbox"/> Coated* : _____	
Cut : <input type="checkbox"/> right cut <input type="checkbox"/> left cut	Machined material : _____	Quantity : _____	Order No : _____
Company's stamp & date : _____		Contact person : _____	

* Without information, the most suitable coating will be applied.

1430

Micro end mill for deep machining $l_2=3xd_1$



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	130	150	■	■	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	100	-	■	Trio (PO)
Titanium	50	60	■	■	Nemo (NM)
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances d_1 : 0/-0.01
 l_1 : +0.05/0
 l_2 : +0.2/0
 D: h5
 L: +/-0.5

Available uncoated or coated



Z3-4



λ
45°

γ
14°

CARB



$$pas=0.8xd_1$$



$$ap=l_1 \text{ max.}$$

$$ae=\frac{d_1^2}{4xAp}$$

Art. n°	d_1	l_1	l_2	D	L	Z	Uncoat. Price
1430d0.20	0.20	0.30	0.60	3.0	38	3	
1430d0.25	0.25	0.38	0.75	3.0	38	3	
1430d0.30	0.30	0.45	0.90	3.0	38	3	
1430d0.35	0.35	0.52	1.05	3.0	38	4	
1430d0.40	0.40	0.60	1.20	3.0	38	4	
1430d0.45	0.45	0.68	1.35	3.0	38	4	
1430d0.50	0.50	0.75	1.50	3.0	38	4	
1430d0.60	0.60	0.90	1.80	3.0	38	4	
1430d0.70	0.70	1.05	2.10	3.0	38	4	
1430d0.80	0.80	1.20	2.40	3.0	38	4	
1430d0.90	0.90	1.35	2.70	3.0	38	4	
1430d1.00	1.00	1.50	3.00	3.0	38	4	

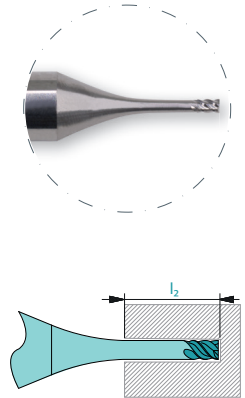
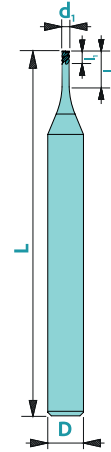
* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Micro end mill for deep machining $l_2=5xd_1$

1450

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	130	150	■	■	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	100	-	■	Trio (PO)
Titanium	50	60	■	■	Nemo (NM)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■



Tolerances d_1 : 0/-0.01
 l_1 : +0.05/0
 l_2 : +0.2/0

D: h5
 L: +/-0.5

Art. n°	d_1	l_1	l_2	D	L	Z	Uncoat. Price
1450d0.20	0.20	0.30	1.00	3.0	38	3	
1450d0.25	0.25	0.38	1.25	3.0	38	3	
1450d0.30	0.30	0.45	1.50	3.0	38	3	
1450d0.35	0.35	0.52	1.75	3.0	38	4	
1450d0.40	0.40	0.60	2.00	3.0	38	4	
1450d0.45	0.45	0.68	2.25	3.0	38	4	
1450d0.50	0.50	0.75	2.50	3.0	38	4	
1450d0.60	0.60	0.90	3.00	3.0	38	4	
1450d0.70	0.70	1.05	3.50	3.0	38	4	
1450d0.80	0.80	1.20	4.00	3.0	38	4	
1450d0.90	0.90	1.35	4.50	3.0	38	4	
1450d1.00	1.00	1.50	5.00	3.0	38	4	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated

Z3-4

λ 45° γ 14°

CARB

pas ap
 ae

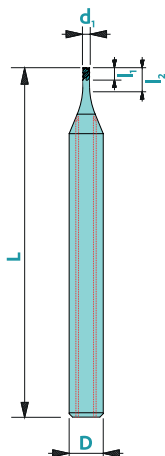
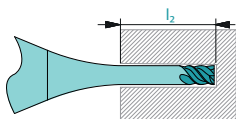
$$pas=0.8xd_1$$

$$ap=l_1 \text{ max.}$$

$$ae=\frac{d_1^2}{4xAp}$$

1430H

Micro end mill with internal coolant for deep machining $l_2=3d_1$



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	130	150	■	■	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	100	-	■	Trio (PO)
Titanium	50	60	■	■	Nemo (NM)
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances d_1 : 0/-0.01
 l_1 : +0.05/0
 l_2 : +0.2/0
 D: h5
 L: +/-0.5

Available uncoated or coated



Z3-4



λ
45°

γ
14°

CARB



$$pas=0.8x d_1$$

$$ap=l_1 \text{ max.}$$

$$ae=\frac{d_1^2}{4xAp}$$

Art. n°	d_1	l_1	l_2	D	L	Z	Uncoat. Price
1430Hd0.20	0.20	0.30	0.60	3.0	38	3	
1430Hd0.25	0.25	0.38	0.75	3.0	38	3	
1430Hd0.30	0.30	0.45	0.90	3.0	38	3	
1430Hd0.35	0.35	0.52	1.05	3.0	38	4	
1430Hd0.40	0.40	0.60	1.20	3.0	38	4	
1430Hd0.45	0.45	0.68	1.35	3.0	38	4	
1430Hd0.50	0.50	0.75	1.50	3.0	38	4	
1430Hd0.60	0.60	0.90	1.80	3.0	38	4	
1430Hd0.70	0.70	1.05	2.10	3.0	38	4	
1430Hd0.80	0.80	1.20	2.40	3.0	38	4	
1430Hd0.90	0.90	1.35	2.70	3.0	38	4	
1430Hd1.00	1.00	1.50	3.00	3.0	38	4	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Micro end mill with internal coolant for deep machining $l_2=5x d_1$

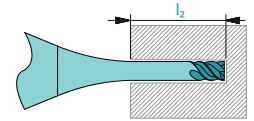
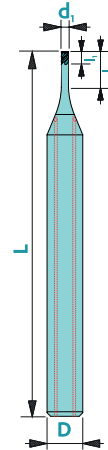


1450H

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	130	150	■	■	Solo (DA)
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	100	-	■	Trio (PO)
Titanium	50	60	■	■	Nemo (NM)
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances d_1 : 0/-0.01
 l_1 : +0.05/0
 l_2 : +0.2/0
 D: h5
 L: +/-0.5



Art. n°	d_1	l_1	l_2	D	L	Z	Uncoat. Price
1450Hd0.20	0.20	0.30	1.00	3.0	38	3	
1450Hd0.25	0.25	0.38	1.25	3.0	38	3	
1450Hd0.30	0.30	0.45	1.50	3.0	38	3	
1450Hd0.35	0.35	0.52	1.75	3.0	38	4	
1450Hd0.40	0.40	0.60	2.00	3.0	38	4	
1450Hd0.45	0.45	0.68	2.25	3.0	38	4	
1450Hd0.50	0.50	0.75	2.50	3.0	38	4	
1450Hd0.60	0.60	0.90	3.00	3.0	38	4	
1450Hd0.70	0.70	1.05	3.50	3.0	38	4	
1450Hd0.80	0.80	1.20	4.00	3.0	38	4	
1450Hd0.90	0.90	1.35	4.50	3.0	38	4	
1450Hd1.00	1.00	1.50	5.00	3.0	38	4	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated

Z3-4

 λ **45°** γ **14°**
CARB

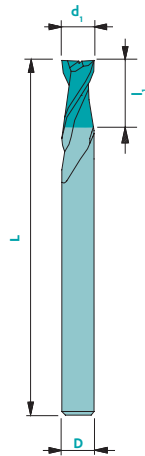
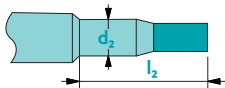
$pas=0.8x d_1$ $ap=l_1 \text{ max.}$
 $ae= \frac{d_1^2}{4xAp}$

9020

EXPERT end mill for composite materials



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	250	300	-	■	NEO (FC)

not adapted - adapted ■ highly adapted ■

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

Available coated

Z2-3



CARB



$$ap = 0.25 \cdot d_1$$

$$ap = l_1 \text{ max.}$$

$$ae = \frac{d_1^2}{4 \cdot Ap}$$

Art. n°	d_1	l_1	D	L	Z	Price
NEO (FC)*						
9020d0.50	0.5	1	3	38	2	
9020d1.00	1.0	2	3	38	2	
9020d2.00	2.0	4	3	38	2	
9020d3.00	3.0	6	3	38	2	
9020d6.00	6.0	12	6	51	3	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

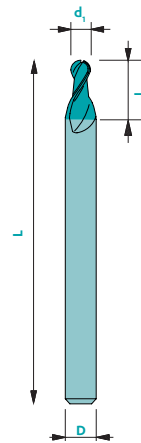
EXPERT end mill with ball end for composite materials



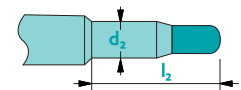
9120

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	250	300	-	■	NEO (FC)

not adapted - adapted □ highly adapted ■



Upon request



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

Art. n°	d_1	l_1	D	L	Z	Price
9120d0.50	0.5	1	3	38	2	NEO (FC)*
9120d1.00	1.0	2	3	38	2	
9120d2.00	2.0	4	3	38	2	
9120d3.00	3.0	6	3	38	2	
9120d6.00	6.0	12	6	51	3	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available coated

Z2-3



CARB

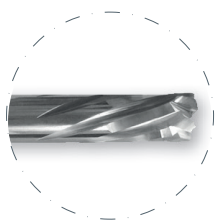


$$ap = 0.25d_1 \quad ap = l_1 \text{ max.}$$

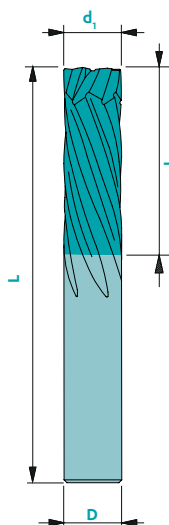
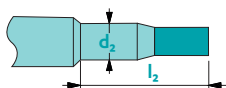
$$ae = \frac{d_1^2}{4xAp}$$

9530

EXPERT end mill with double helix for composite materials



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	250	300	-	■	NEO (FC)

not adapted - adapted □ highly adapted ■

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

Available coated
(see page 300)

Z6



CARB



$$ap = 0.25 \times d_1$$

$$ap = l_1 \text{ max.}$$

$$ae = \frac{d_1^2}{4 \times Ap}$$

Art. n°	d_1	l_1	D	L	Z	Price
9530d6.00	6.0	18	6	51	6	NEO (FC)*
9530d8.00	8.0	24	8	61	6	
9530d10.00	10.0	30	10	72	6	
9530d12.00	12.0	36	12	83	6	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

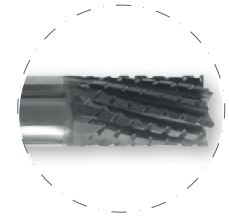
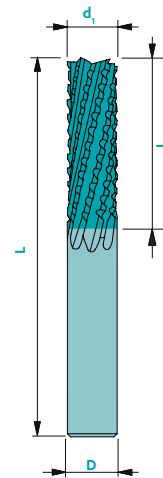
EXPERT end mill with crossed teeth for composite materials



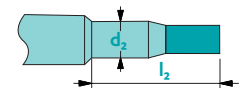
9630

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	250	300	-	■	NEO (FC)

not adapted - adapted ■ highly adapted ■



Upon request



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

Art. n°	d_1	l_1	D	L	Z	Price
						NEO (FC)*
9630d3.00FC	3.0	12	3	38	7	
9630d4.00FC	4.0	16	4	38	7	
9630d6.00FC	6.0	18	6	51	8	
9630d8.00FC	8.0	24	8	61	10	
9630d10.00FC	10.0	30	10	72	12	
9630d12.00FC	12.0	36	12	83	14	

*Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available coated

Z7-14



CARB



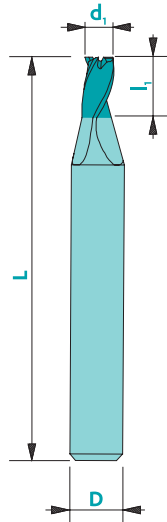
$$ap = 0.25d_1$$

$$ap = l_1 \text{ max.}$$

$$ae = \frac{d_1^2}{4xAp}$$

1520C01

Ceramic end mill Z3 $l_1=2xd_1$ EXPERT gold



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	150-500	-	■	-	-
Brass - Bronze	250	-	■	-	-
Aluminium	100-200	-	■	-	-
Gold - Silver	200	-	■	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

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

Available uncoated



Z3



λ
30°

γ
8-10°

C01



$ap=0.25xd_1$

$ap=l_1 \text{ max.}$
 $ae= \frac{d_1^2}{4xAp}$

Art. n°	d_1	l_1	D	L	Uncoat. Price
1520C01d0.50	0.50	1.00	3	38	
1520C01d0.80	0.80	1.60	3	38	
1520C01d1.00	1.00	2.00	3	38	
1520C01d1.50	1.50	3.00	3	38	
1520C01d2.00	2.00	4.00	3	38	
1520C01d3.00	3.00	5.00	6	51	

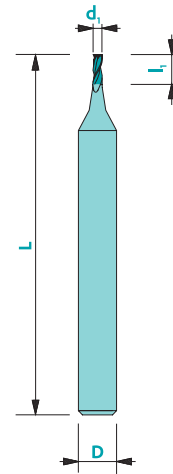
Ceramic end mill EXPERT brass



1820C01

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel					
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	150-500	-	■	-	-
Aluminium	-	-	-	-	-
Gold - Silver	100-200	-	■	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■



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

Art. n°	d_1	l_1	D	L	Uncoat. Price
1820C01d0.50	0.50	1.00	4	38	
1820C01d0.80	0.80	1.60	4	38	
1820C01d1.00	1.00	2.00	4	38	
1820C01d1.50	1.50	3.00	4	38	
1820C01d2.00	2.00	4.00	4	38	
1820C01d3.00	3.00	5.00	4	38	

Available uncoated



λ
30°

C01



$$ap = 0.25 \times d_1$$

$$ap = l_1 \text{ max.}$$

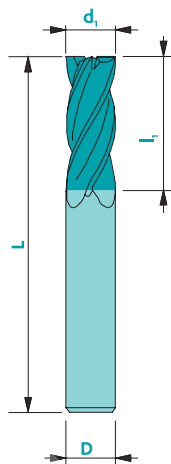
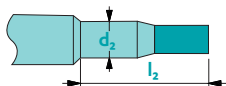
$$ae = \frac{d_1^2}{4 \times Ap}$$

1620F

End mill for superfine finishing



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	100	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	60	-	■	Tisi (BQ)
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

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

Available coated only

Z4



λ
35-40°

γ
8°

CARB



$$ap = l_1 \text{ max.}$$

$$ae = \frac{d_1^2}{4 \times ap}$$

Art. n°	d_1	l_1	D	L	Price
					Tisi (BQ)*
1620Fd2.00BQ	2.0	4	6	51	
1620Fd3.00BQ	3.0	6	6	51	
1620Fd4.00BQ	4.0	8	6	51	
1620Fd5.00BQ	5.0	10	6	51	
1620Fd6.00BQ	6.0	12	6	51	
1620Fd8.00BQ	8.0	16	8	61	
1620Fd10.00BQ	10.0	20	10	72	
1620Fd12.00BQ	12.0	24	12	83	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

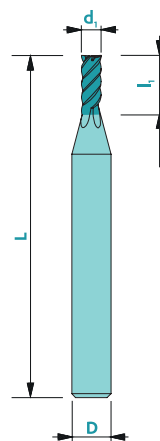
EXPERT end mill for hard materials



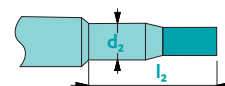
3300

Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	80	-	■	Sumo (KO)
Cast iron	50	170	-	■	Tisi (BQ)
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	-	-	-	-	-

not adapted - adapted highly adapted



Upon request



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	Z	Price
3300d1.0	1.0	3.0	6	57	4	Sumo (KO)*
3300d1.1	1.1	3.0	6	57	4	
3300d1.2	1.2	3.0	6	57	4	
3300d1.3	1.3	4.0	6	57	4	
3300d1.4	1.4	4.0	6	57	4	
3300d1.5	1.5	4.0	6	57	4	
3300d1.6	1.6	4.0	6	57	4	
3300d1.7	1.7	4.0	6	57	4	
3300d1.8	1.8	5.0	6	57	4	
3300d1.9	1.9	5.0	6	57	4	
3300d2.0	2.0	5.0	6	57	4	
3300d2.1	2.1	5.0	6	57	4	
3300d2.2	2.2	5.0	6	57	4	
3300d2.3	2.3	6.0	6	57	4	

Art. n°	d_1	l_1	D	L	Z	Price
3300d2.4	2.4	6.0	6	57	4	Sumo (KO)*
3300d2.5	2.5	6.0	6	57	4	
3300d2.6	2.6	6.0	6	57	4	
3300d2.7	2.7	7.0	6	57	4	
3300d2.8	2.8	7.0	6	57	4	
3300d2.9	2.9	8.0	6	57	4	
3300d3.0	3.0	8.0	6	57	4	
3300d3.5	3.5	9.0	6	57	4	
3300d4.0	4.0	11.0	6	57	4	
3300d5.0	5.0	13.0	6	57	4	
3300d6.0	6.0	16.0	6	57	6	
3300d8.0	8.0	20.0	8	63	6	
3300d10.0	10.0	23.0	10	72	6	
3300d12.0	12.0	26.0	12	83	6	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available coated only

24-6

50°

-10°

CARB

ap

ap

ae

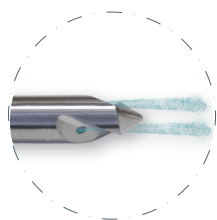
$$ap = 0.25 \times d_1$$

$$ap = l_1 \text{ max.}$$

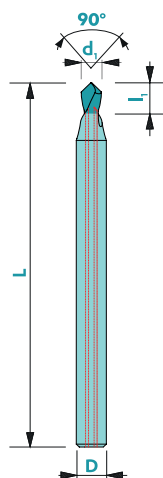
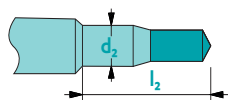
$$ae = \frac{d_1^2}{4 \times Ap}$$

337H

NC Center drill 90° with internal coolant



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	90	80	□	■	Tisi (BQ)
Steel > 700 N/mm ²	-	70	-	■	Tisi (BQ)
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	60	70	□	■	Tisi (BQ)
Copper	80	100	□	■	Solo (DA)
Brass - Bronze	80	100	■	■	Solo (DA)
Aluminium	100	120	□	■	Solo (DA)
Gold - Silver	80	100	■	■	Solo (DA)
Platinum - Palladium	-	20	-	□	NEO (FC)
Superalloys	-	40	-	■	Tisi (BQ)
Cobalt - chrome	-	-	-	-	-
Titanium	40	50	□	■	Tisi (BQ)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances $d_1 : \pm 0.01$
 $d_1 = D \triangleright d_1 : h5$
 $D : h5$

Available uncoated or coated



Z2



λ
24°

CARB



Art. n°	d_1	l_1	D	L	Uncoat. Price
337Hd0.50	0.50	0.75	3.0	38	
337Hd0.80	0.80	1.20	3.0	38	
337Hd1.00	1.00	1.50	3.0	38	
337Hd1.50	1.50	2.25	3.0	38	
337Hd2.00	2.00	3.00	3.0	38	
337Hd2.50	2.50	3.75	3.0	38	
337Hd3.00	3.00	4.50	3.0	38	
337Hd4.00	4.00	6.00	6.0	50	
337Hd6.00	6.00	9.00	6.0	50	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

NC Center drill 120° with internal coolant

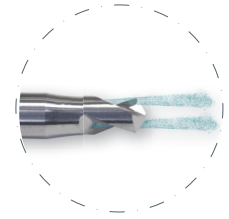
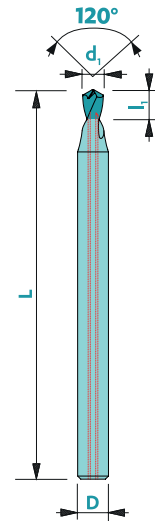


337-2H

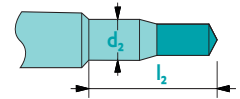
Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	90	80	□	■	Tisi (BQ)
Steel > 700 N/mm ²	-	70	-	■	Tisi (BQ)
Stainless steel	-	40	-	■	Tisi (BQ)
Hardened steel	-	-	-	-	-
Cast iron	60	70	□	■	Tisi (BQ)
Copper	80	100	□	■	Solo (DA)
Brass - Bronze	80	100	■	■	Solo (DA)
Aluminium	100	120	□	■	Solo (DA)
Gold - Silver	80	100	■	■	Solo (DA)
Platinum - Palladium	-	20	-	□	NEO (FC)
Superalloys	-	40	-	■	Tisi (BQ)
Cobalt - chrome	-	-	-	-	-
Titanium	40	50	□	■	Tisi (BQ)
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■

Tolerances
 $d_1: \pm 0.01$
 $d_1 = D \triangleright d_1: h5$
 $D: h5$



Upon request



Art. n°	d_1	l_1	D	L	Uncoat. Price
337-2Hd0.50	0.50	0.75	3.0	38	
337-2Hd0.80	0.80	1.20	3.0	38	
337-2Hd1.00	1.00	1.50	3.0	38	
337-2Hd1.50	1.50	2.25	3.0	38	
337-2Hd2.00	2.00	3.00	3.0	38	
337-2Hd2.50	2.50	3.75	3.0	38	
337-2Hd3.00	3.00	4.50	3.0	38	
337-2Hd4.00	4.00	6.00	6.0	50	
337-2Hd6.00	6.00	9.00	6.0	50	

* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Available uncoated or coated



120°

Z2



24°

CARB

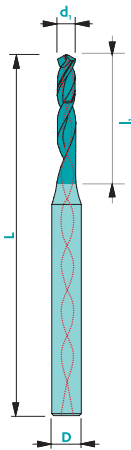
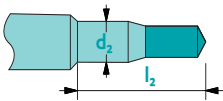


374H

EXPERT drill for stainless steel - H X



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	45	-	■	Nemo (NM)
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	-	-	-	-	-

not adapted - adapted □ highly adapted ■

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

Tolerances d₁: -0.002/-0.004
D: h5

Available coated only



Z2



CARB



Art. n°	d ₁	l ₁	D	L	Price
					Nemo (NM)*
374d0.70	0.70	8	3	51	
374d0.71	0.71	8	3	51	
374d0.72	0.72	8	3	51	
374d0.73	0.73	8	3	51	
374d0.74	0.74	8	3	51	
374d0.75	0.75	8	3	51	
374d0.76	0.76	8	3	51	
374d0.77	0.77	8	3	51	
374d0.78	0.78	8	3	51	
374d0.79	0.79	8	3	51	
374d0.80	0.80	8	3	51	
374d0.81	0.81	8	3	51	
374d0.82	0.82	8	3	51	
374d0.83	0.83	8	3	51	
374d0.84	0.84	8	3	51	
374d0.85	0.85	8	3	51	
374d0.86	0.86	8	3	51	
374d0.87	0.87	8	3	51	
374d0.88	0.88	8	3	51	
374d0.89	0.89	8	3	51	
374d0.90	0.90	10	3	51	
374d0.91	0.91	10	3	51	
374d0.92	0.92	10	3	51	
374d0.93	0.93	10	3	51	
374d0.94	0.94	10	3	51	
374d0.95	0.95	10	3	51	
374d0.96	0.96	10	3	51	

Art. n°	d ₁	l ₁	D	L	Price
					Nemo (NM)*
374d0.97	0.97	10	3	51	
374d0.98	0.98	10	3	51	
374d0.99	0.99	10	3	51	
374d1.00	1.00	12	3	51	
374d1.01	1.01	12	3	51	
374d1.02	1.02	12	3	51	
374d1.03	1.03	12	3	51	
374d1.04	1.04	12	3	51	
374d1.05	1.05	12	3	51	
374d1.06	1.06	12	3	51	
374d1.07	1.07	12	3	51	
374d1.08	1.08	12	3	51	
374d1.09	1.09	12	3	51	
374d1.10	1.10	12	3	51	
374d1.11	1.11	12	3	51	
374d1.12	1.12	12	3	51	
374d1.13	1.13	12	3	51	
374d1.14	1.14	12	3	51	
374d1.15	1.15	12	3	51	
374d1.16	1.16	12	3	51	
374d1.17	1.17	12	3	51	
374d1.18	1.18	12	3	51	
374d1.19	1.19	12	3	51	
374d1.20	1.20	14	3	51	
374d1.21	1.21	14	3	51	
374d1.22	1.22	14	3	51	
374d1.23	1.23	14	3	51	

* Prices for coatings: contact us!
To order a coated tool, add the 2-letter coating code to the article number



EXPERT drill for stainless steel - with internal coolant



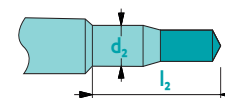
374H

Continuation

Art. n°	d ₁	l ₁	D	L	Price	Art. n°	d ₁	l ₁	D	L	Price
Nemo (NM)*						Nemo (NM)*					
374d1.24	1.24	14	3	51		374d1.69	1.69	14	3	51	
374d1.25	1.25	14	3	51		374d1.70	1.70	18	3	51	
374d1.26	1.26	14	3	51		374d1.71	1.71	18	3	51	
374d1.27	1.27	14	3	51		374d1.72	1.72	18	3	51	
374d1.28	1.28	14	3	51		374d1.73	1.73	18	3	51	
374d1.29	1.29	14	3	51		374d1.74	1.74	18	3	51	
374d1.30	1.30	14	3	51		374d1.75	1.75	18	3	51	
374d1.31	1.31	14	3	51		374d1.76	1.76	18	3	51	
374d1.32	1.32	14	3	51		374d1.77	1.77	18	3	51	
374d1.33	1.33	14	3	51		374d1.78	1.78	18	3	51	
374d1.34	1.34	14	3	51		374d1.79	1.79	18	3	51	
374d1.35	1.35	14	3	51		374d1.80	1.80	18	3	51	
374d1.36	1.36	14	3	51		374d1.81	1.81	18	3	51	
374d1.37	1.37	14	3	51		374d1.82	1.82	18	3	51	
374d1.38	1.38	14	3	51		374d1.83	1.83	18	3	51	
374d1.39	1.39	14	3	51		374d1.84	1.84	18	3	51	
374d1.40	1.40	14	3	51		374d1.85	1.85	18	3	51	
374d1.41	1.41	14	3	51		374d1.86	1.86	18	3	51	
374d1.42	1.42	14	3	51		374d1.87	1.87	18	3	51	
374d1.43	1.43	14	3	51		374d1.88	1.88	18	3	51	
374d1.44	1.44	14	3	51		374d1.89	1.89	18	3	51	
374d1.45	1.45	14	3	51		374d1.90	1.90	18	3	51	
374d1.46	1.46	14	3	51		374d1.91	1.91	18	3	51	
374d1.47	1.47	14	3	51		374d1.92	1.92	18	3	51	
374d1.48	1.48	14	3	51		374d1.93	1.93	18	3	51	
374d1.49	1.49	14	3	51		374d1.94	1.94	18	3	51	
374d1.50	1.50	14	3	51		374d1.95	1.95	18	3	51	
374d1.51	1.51	14	3	51		374d1.96	1.96	18	3	51	
374d1.52	1.52	14	3	51		374d1.97	1.97	18	3	51	
374d1.53	1.53	14	3	51		374d1.98	1.98	18	3	51	
374d1.54	1.54	14	3	51		374d1.99	1.99	18	3	51	
374d1.55	1.55	14	3	51		374d2.00	2.00	18	3	51	
374d1.56	1.56	14	3	51		374d2.05	2.05	18	3	51	
374d1.57	1.57	14	3	51		374d2.10	2.10	20	4	60	
374d1.58	1.58	14	3	51		374d2.20	2.20	20	4	60	
374d1.59	1.59	14	3	51		374d2.30	2.30	20	4	60	
374d1.60	1.60	14	3	51		374d2.40	2.40	20	4	60	
374d1.61	1.61	14	3	51		374d2.50	2.50	20	4	60	
374d1.62	1.62	14	3	51		374d2.60	2.60	20	4	60	
374d1.63	1.63	14	3	51		374d2.70	2.70	20	4	60	
374d1.64	1.64	14	3	51		374d2.80	2.80	20	4	60	
374d1.65	1.65	14	3	51		374d2.90	2.90	20	4	60	
374d1.66	1.66	14	3	51		374d3.00	3.00	20	4	60	
374d1.67	1.67	14	3	51		374d3.50	3.50	20	4	60	
374d1.68	1.68	14	3	51		374d4.00	4.00	20	4	60	



Upon request



Available coated only



135°

Z2



CARB

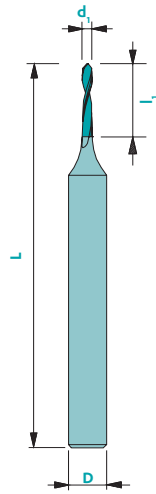
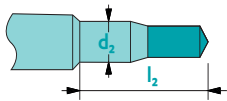


* Prices for coatings: contact us!

To order a coated tool, add the 2-letter coating code to the article number



Upon request



Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	-	-	-	-	-
Steel > 700 N/mm ²	-	-	-	-	-
Stainless steel	-	-	-	-	-
Hardened steel	-	-	-	-	-
Cast iron	-	-	-	-	-
Copper	-	-	-	-	-
Brass - Bronze	115	130	■	■	Solo (DA)
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	-	-	-	-	-
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■

Tolerances d_1 : -0.002/-0.004
 l_1 : 0.1/-0
 D: h5

Available uncoated or coated



90°

Z2



λ
Variable

CARB

Art. n°	d_1	l_1	D	L	Uncoat. Price
375d#.#	0.20-0.29	1.0	3	38	
375d#.#	0.30-0.34	1.5	3	38	
375d#.#	0.35-0.39	2.0	3	38	
375d#.#	0.40-0.49	3.0	3	38	
375d#.#	0.50-0.79	4.0	3	38	
375d#.#	0.80-1.19	6.0	3	38	
375d#.#	1.20-1.50	8.0	3	38	

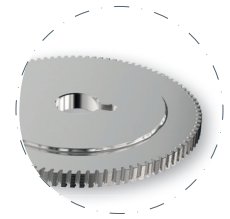
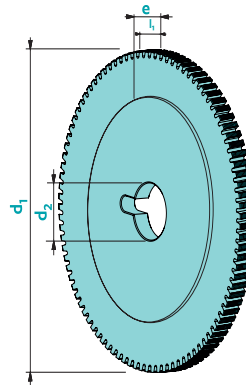
* Prices for coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

Thread whirling cutter

5000

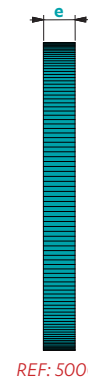
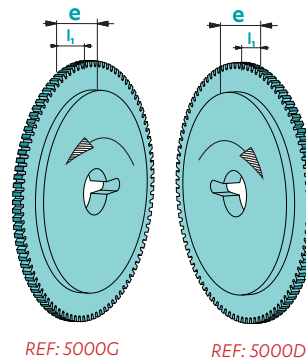
Material	Vc uncoated [m/min]	Vc coated [m/min]	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	100	-	■	-	-
Steel > 700 N/mm ²	80	-	■	-	-
Stainless steel	70	-	■	-	-
Hardened steel	-	-	-	-	-
Cast iron	90	-	■	-	-
Copper	170	-	■	-	-
Brass - Bronze	160	-	■	-	-
Aluminium	200	-	■	-	-
Gold - Silver	160	-	■	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	50	-	■	-	-
Cobalt - chrome	-	-	-	-	-
Titanium	60	-	■	-	-
Composite	-	-	-	-	-

not adapted - adapted ■ highly adapted ■



Tolerances
 d_1 : -0.002/-0.004
 l_1 : 0.1/-0
 D : h5

Art. n°	Ø nominal	Pitch	d_1	e	l_1	d_2	Z	Uncoat. Price
REF S0.30d45	S0.30	0.080	45	3	0.80	8	96	
REF S0.35d45	S0.35	0.090	45	3	0.90	8	96	
REF S0.40d45	S0.40	0.100	45	3	1.00	8	96	
REF S0.50d45	S0.50	0.125	45	3	1.25	8	96	
REF S0.60d45	S0.60	0.150	45	3	1.50	8	96	
REF S0.70d45	S0.70	0.175	45	3	1.75	8	96	
REF S0.80d45	S0.80	0.200	45	3	2.00	8	96	
REF S0.90d45	S0.90	0.225	45	3	2.25	8	96	
REF S1.00d45	S1.00	0.250	45	3	2.50	8	96	
REF S1.20d45	S1.20	0.250	45	3	2.50	8	96	
REF S1.40d45	S1.40	0.300	45	3	3.00	8	96	
<hr/>								
REF S0.30d40	S0.30	0.080	40	5	0.80	10	84	
REF S0.35d40	S0.35	0.090	40	5	0.90	10	84	
REF S0.40d40	S0.40	0.100	40	5	1.00	10	84	
REF S0.50d40	S0.50	0.125	40	5	1.25	10	84	
REF S0.60d40	S0.60	0.150	40	5	1.50	10	84	
REF S0.70d40	S0.70	0.175	40	5	1.75	10	84	
REF S0.80d40	S0.80	0.200	40	5	2.00	10	84	
REF S0.90d40	S0.90	0.225	40	5	2.25	10	84	
REF S1.00d40	S1.00	0.250	40	5	2.50	10	84	
REF S1.20d40	S1.20	0.250	40	5	2.50	10	84	
REF S1.40d40	S1.40	0.300	40	5	3.00	10	84	

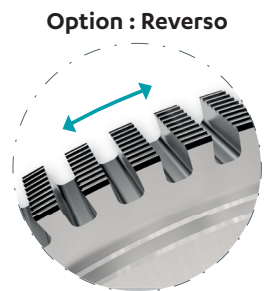


Available uncoated

Z84
Z96

λ 5° γ 5°

CARB





Since 1948

Louis BELET SA is a family business of about 150 employees. The company is run by the two grandchildren of the founder, Mrs Roxane Piquerez and Mr Arnaud Maître.

The quest of excellence

Bélet's spirit relies on the quest of excellence. In all our activities, we constantly focus on finding the best solutions, for our customers and our employees.

Quality and environmental management are testified by our ISO 9001:2008 and ISO 14001:2004 certifications.



Les Gasses 11
CH - 2943 Vendlincourt
Tél. +41 (0) 32 474 04 10
Fax +41 (0) 32 474 45 42
www.louisbelet.ch
info@louisbelet.ch

Technical representatives

French part of Swiss



Loïc Yerly
+41 (0)79 445 53 07
lyerly@louisbelet.ch



Raphaël Dubail
+41 (0)79 511 98 83
rdubail@louisbelet.ch

German part of Swiss / Germany



Sinan Akyol
+41 (0)79 859 33 57
sakyol@louisbelet.ch



Markus Ackermann
+41 (0)79 358 42 84
mackermann@louisbelet.ch

Ticino/Italy



Luigino Gamba
+ 41 (0)79 362 86 09
lgamba@louisbelet.ch

France



Fabrice Berche
+33 (0)6 3017 32 87
fberche@louisbelet.ch

International



Hervé Baour
+ 41 (0)78 646 94 18
hbaour@louisbelet.ch

List of authorized distributors
available on www.louisbelet.ch

