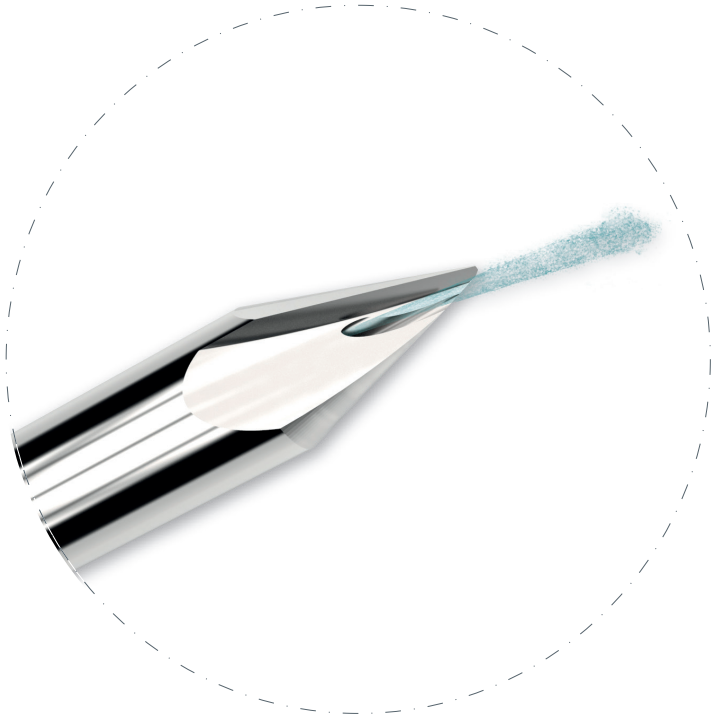
LOUIS BELET
Swiss Cutting tools

119-3H / 119-3RH

ENGRAVING MILL with internal coolant

Increased durability and perfect surface finish thanks to thru coolant



REF 119-3H : flat tip

REF 119-3RH : radius on tip

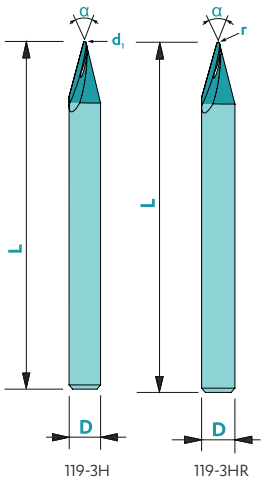
LOUIS BÉLET S.A.
Les Gasses 11
CH - 2943 Vendlincourt
www.louisbelet.ch

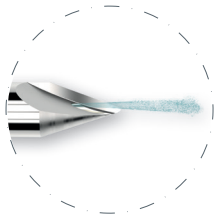
119-3H
119-3RH

Engraving mill with internal coolant - ¾

Material	n [rpm]	Ap	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm²	25 - 40'000	0.05 -0.40	□	■	Tisi (BQ)
Steel > 700 N/mm²	20 - 40'000	0.05 -0.30	-	■	Tisi (BQ)
Stainless steel	20 - 30'000	0.05 - 0.30	-	□	Tisi (BQ)
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	-	-	□	■	-
Titanium	25 - 40'000	0.05 - 0.40	□	■	RICO (ZB)

not adapted - adapted □ highly adapted ■





Tolerances

119-3H:
d_1: +/- 0.01
D: h5

119-3RH:
r: +/- 0.005
D: h5
0.01

REF 119-3H - flat tip

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
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

REF 119-3RH - radius on tip

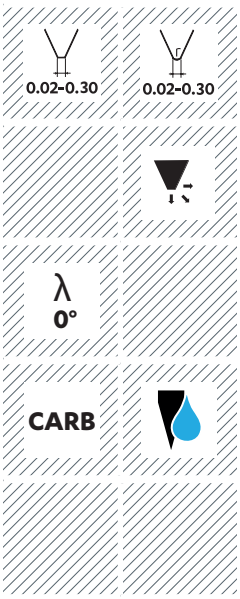
Article number : 119-3RHa##r#.##
Example: End mill ref. 119-3RH with 25° angle and radius 0.05 mm: 119-3RHa25r0.05

α*	r**	D	L
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

Available uncoated or coated



If α < 30°, a double cone applies

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