

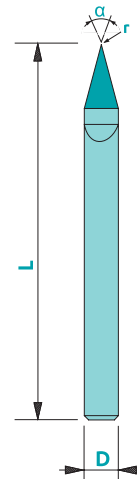
Engraving mill V-shape - radius on tip

119-R

Material	n [tr/min]	Ap	Uncoated	Coated	Rec. Coating
Steel < 700 N/mm ²	25 - 40'000	0.05 - 0.40	□	■	Nemo
Steel > 700 N/mm ²	20 - 40'000	0.05 - 0.30	-	■	Nemo
Stainless steel	20 - 30'000	0.05 - 0.30	-	□	Nemo
Cast iron	25 - 40'000	0.05 - 0.40	□	■	Trio
Copper	20 - 40'000	0.05 - 0.40	□	■	Solo
Brass - Bronze	25 - 40'000	0.05 - 0.40	□	■	Solo
Aluminium	25 - 40'000	0.05 - 0.50	□	■	Solo
Gold - Silver	20 - 40'000	0.05 - 0.40	■	□	Solo
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	□	■	-
Titanium	25 - 40'000	0.05 - 0.40	□	■	Rico

not adapted - adapted □ highly adapted ■

Tolerances
r: +/- 0.005
D: h5



Available
uncoated or coated
(see page 61)

Article number : 119-Ra###.##
Example: End mill ref. 119-R with 25° angle and radius 0.05 mm: 119-Ra25r0.05

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

