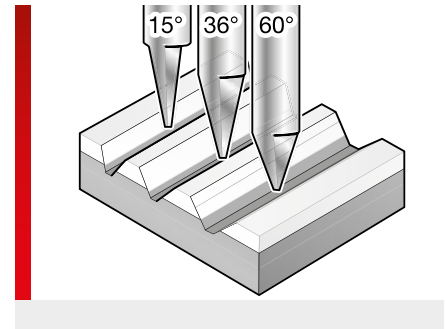
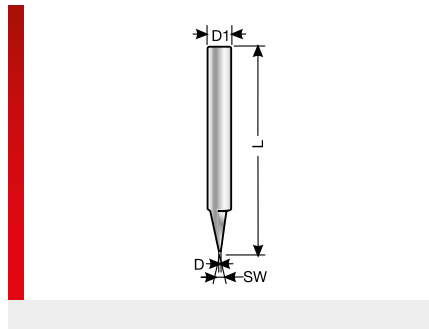


Graver



PRODUCT INFORMATION

Gravers are conical tools (halved solid metal round bar, ground smooth) with a cutting edge. In principle, the smaller the angle at the point, the more constant is the engraving width, even if the material to be engraved is not flat. We would recommend our special 15° gravers when working with spindles without height scanning. The overall diameter gives the minimum engraving width. The deeper it presses into the material, the wider the engraving width. The ratio of plunge

depth / engraving width is predominantly determined by the angle at the point.

- Universal graver for engraving work
- For use with a wide range of materials (plastic, aluminium,...)

Engraving systems

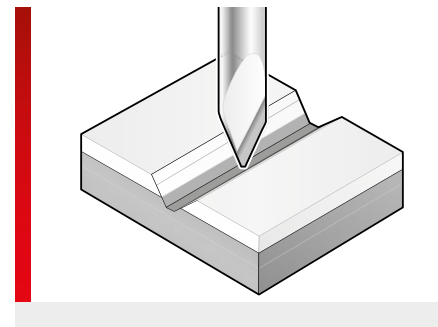
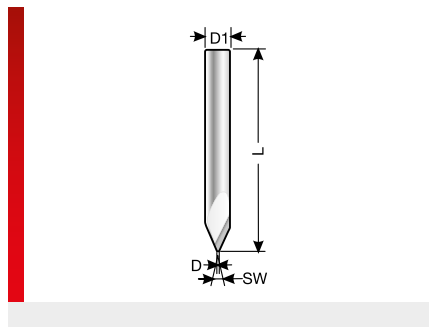
The graver can be used in conjunction with the MGS series CAM engraving system and the engraving option.

SPECIFICATIONS



Type	Order No.	Colour stop ring	D Ø mm	D1 Ø mm	L mm	Section angle °	MOQ Pcs.
Nose angle 15 degree							
Graver 15° d = 0.2 mm	86721424	White	0.20	3.00	40.00	15.00	1
Graver 15° d = 0.3 mm	86721426	White	0.30	3.00	40.00	15.00	1
Graver 15° d = 0.4 mm	86721428	White	0.40	3.00	40.00	15.00	1
Graver 15° d = 0.5 mm	86721430	White	0.50	3.00	40.00	15.00	1
Graver 15° d = 0.7 mm	86721432	White	0.70	3.00	40.00	15.00	1
Nose angle 36 degree							
Graver 36° d = 0.2 mm	86721435	Yellow	0.20	3.00	40.00	36.00	1
Graver 36° d = 0.3 mm	86721436	Yellow	0.30	3.00	40.00	36.00	1
Graver 36° d = 0.4 mm	86721437	Yellow	0.40	3.00	40.00	36.00	1
Graver 36° d = 0.5 mm	86721438	Yellow	0.50	3.00	40.00	36.00	1
Graver 36° d = 0.7 mm	86721439	Yellow	0.70	3.00	40.00	36.00	1
Graver 36° d = 1.0 mm	86721440	Yellow	1.00	3.00	40.00	36.00	1
Nose angle 60 degree							
Graver 60° d = 0.2 mm	86721444	Orange	0.20	3.00	40.00	60.00	1
Graver 60° d = 0.3 mm	86721446	Orange	0.30	3.00	40.00	60.00	1
Graver 60° d = 0.4 mm	86721448	Orange	0.40	3.00	40.00	60.00	1
Graver 60° d = 0.5 mm	86721450	Orange	0.50	3.00	40.00	60.00	1
Graver 60° d = 0.7 mm	86721452	Orange	0.70	3.00	40.00	60.00	1
Graver 60° d = 1.0 mm	86721454	Orange	1.00	3.00	40.00	60.00	1

Milling cutter



PRODUCT INFORMATION

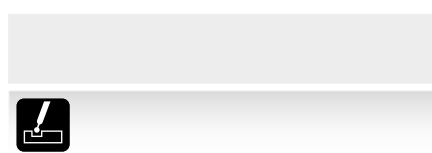
Milling cutters are conical tools with a cutting edge. The recently incorporated chip groove (spiral shaped) is able to remove chips very well. This will clear the engraving and leave it without burrs and clean. This tool has proved itself to be a veritable all-rounder!

- Speciality cutter for acrylic glass engravings
- For a variety of materials (plastics, aluminium, non-ferrous metals...)

Engraving systems

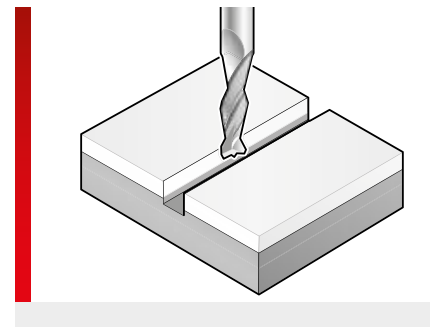
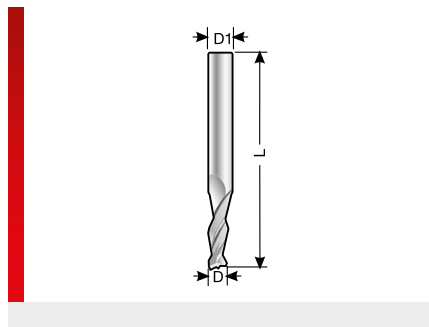
The milling cutter can be used in conjunction with the MGS series CAM engraving system and the engraving option.

SPECIFICATIONS



Type	Order No.	Colour stop ring	D Ø mm	D1 Ø mm	L mm	Section angle °	MOQ Pcs.
Milling cutter 30° d = 0.5mm	86721474	Yellow	0.50	3.00	40.00	30.00	1
Milling cutter 60° d = 0.2 mm	86721470	Orange	0.20	3.00	40.00	60.00	1
Milling cutter 60° d = 0.5 mm	86721472	Orange	0.50	3.00	40.00	60.00	1

Single tooth cutter and double-fluted cutter



PRODUCT INFORMATION

Single tooth cutter

The single tooth cutter is a speciality tool for flush trimming of the vacuum table.

Double-fluted cutter

Double-fluted cutter, right-cutting with a fishtail cut, so that it can be pressed easily even into hard materials.

- Affordably priced universal double-fluted cutter
- For milling non-ferrous metals and plastics

Engraving systems

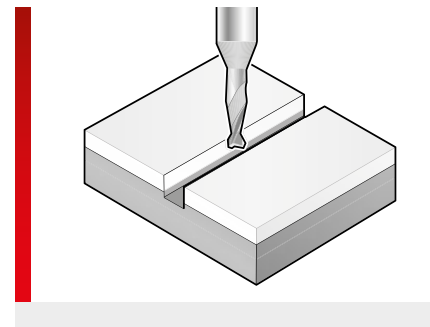
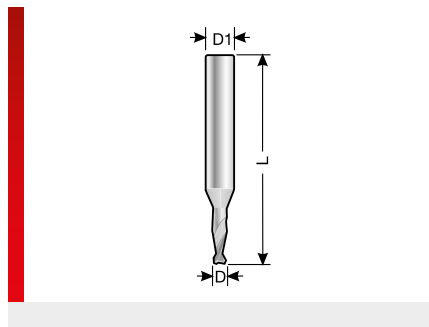
The double-fluted cutter can be used in conjunction with the MGS series CAM engraving system and the engraving option.

SPECIFICATIONS



Type	Order No.	Colour stop ring	D Ø mm	D1 Ø mm	L mm	Section angle °	MOQ Pcs.
Single tooth cutter							
CAM single tooth cutter d = 3.0 mm	86721482	Black	3.00	3.00	40.00	180.00	1
Double-fluted cutter							
Double-fluted cutter d = 2.0 mm	86721420	Green	2.00	3.00	40.00	180.00	1
Double-fluted cutter d = 2.4 mm	86721421	Green	2.40	3.00	40.00	180.00	1
Double-fluted cutter d = 3.0 mm	86721422	Green	3.00	3.00	40.00	180.00	1

Rub-out cutter



PRODUCT INFORMATION

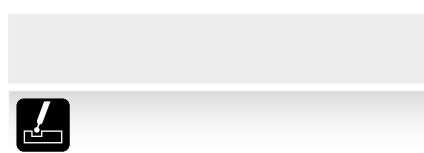
The rub-out cutter has a lower breaking risk than the double-fluted cutter with fishtail cut, because of the shorter cutting edge; it is therefore better suited for diameters up to 1 mm.

- Engraving and milling of non-ferrous metals
- Suitable for hard plastics

Engraving system

The rub-out cutter can be used in conjunction with the CAM engraving system.

SPECIFICATIONS



Type	Order No.	Colour stop ring	D Ø mm	D1 Ø mm	L mm	Section angle °	MOQ Pcs.
For CAM engraving systems							
Rub-out cutter d = 0.5 mm	86721414	Blue	0.50	3.00	30.00	180.00	1
Rub-out cutter d = 1.0 mm	86721416	Blue	1.00	3.00	30.00	180.00	1

