

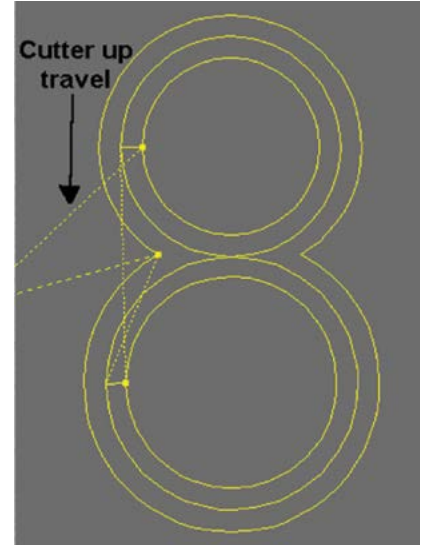
Font types are critical to engraving quality and time

There are 2 main types of fonts for engraving: TrueType (print fonts), and pre-engineered engraving fonts.

TrueType fonts are outline fonts. They can be filled for a solid, bold look. Filling requires the engraving program to calculate the tool paths.

Engraving fonts are pre-engineered fonts with optimized tool paths, designed for reducing engraving time and optimising engraving quality. Engraving fonts are optimized with reduced tool lifts, tool paths start from the inside of a contour - so you don't lose the leading edge of a filled contour which causes "dimpling". Tool path direction is predetermined for high quality engraving. The engraving path order is optimized as a time saving measure. Use single-line fonts to increase production speed.

When selecting cutters, please use the B chart above as a guideline for choosing the appropriate sized tip for engraving.



1/4" (6.35 mm) SHANK SIZE

Compatible with 1/4" Collet spindles and Vanguard series machines.



1/4" Burnishing cutters for coated and polished metals

Trophy Brass, Colored and Marbled Steel, Gravoxal and Gravometal

Maximum depth .002
(use light pressure setting for best results)

Cutting width	Part no.
.010	34207
.015	34208
.020	34209
.040	34212
.060	34213
.090	34214



1/4" Carbide cutters for plastic

GPLY I & II, Ultra, Gravolase, Metallex & Metallex 2

Cutting width	Part no.
.005	34184
.010	34185
.015	34186
.020	34187
.030	34189
.040	34190
.060	34191
.090	34192
.125	34193
.171	34194
.250	34196



1/4" Carbide cutters for Gravoply and Gravoply 2-Plex

Cutting width	Part no.
.005	34158
.010	34159
.015	34160
.020	34161
.030	34162
.040	34163
.060	34164
.090	34165
.171	34167
.250	34169



1/4" Carbide cutters for Acrylic

All Gravoglas and Acrylic
35° cutting angle for deep engraving

Cutting width	Part no.
.010	34273
.015	34274
.020	34275
.030	34276
.040	34277
.060	34278
.090	34279



1/4" Radius cutters for rounded cut

Use reverse engraving on Gravoglas for neon tube look. Also used for gasket grooves & 3D milling

Material Type	Part no.
Gravoply	34259
Phenolic	33999
Ferrous metals	34010

Choose radius (1/32", 1/16", 3/32", 1/8", 5/32")