

ENGRAVING • Carbon Steel • High Speed Steel Gravers

GRAVERS — Carbon Steel & High Speed Steel

Used by engravers, stone setters, die sinkers, jewelers and watchmakers on metal, wood, bone, ivory, onyx and wax. Gravers are stamped with the graver # and type of steel.

Muller Carbon Steel — Excellent for use on silver, gold, copper and other soft metal.

Grobet High Speed — Holds its edge 5 times longer than carbon steel. Preferred for use on gold, platinum and steel.

ONGLETTE or POINT — For curved designs and fine lines.

A favorite shape of stone setters.

Graver #	5/0	4/0	3/0	2/0	0	1	2	3	4	5	6
Muller Carbon Steel	—	—	EM2030	EM2020	EM2000	EM2001	EM2002	EM2003	EM2004	EM2005	EM2006
Grobet High Speed Steel	36.259	36.261	36.263	36.265	36.267	36.269	36.270	36.271	36.272	36.273	36.274
Thickness (mm)	1.16	1.24	1.35	1.45	1.58	1.78	1.94	2.16	2.54	2.74	2.94

Muller Carbon Steel \$5.00 **Grobet High Speed Steel** \$8.75

FLAT — Suited to parallel engraving, letter spurring, backgrounding, monogram and Egyptian-style block lettering.

Graver #	36	37	38	39	40	41	42	43	44	45
Muller Carbon Steel	EM1036	EM1037	EM1038	EM1039	EM1040	EM1041	EM1042	EM1043	EM1044	EM1045
Grobet High Speed Steel	36.277	36.278	36.279	36.280	36.281	36.282	36.283	36.284	—	—
Thickness (mm)	0.2	0.4	0.6	1.0	1.2	1.4	1.8	2.0	2.2	2.4

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ROUND — Primarily used on uneven surfaces. For curved letter designs and shading effects.

Graver #	50	51	52	53	54	55	56
Muller Carbon Steel	EM1050	EM1051	EM1052	EM1053	EM1054	EM1055	EM1056
Grobet High Speed Steel	36.289	36.290	36.291	36.292	36.293	—	—
Thickness (mm)	0.2	0.4	0.6	1.0	1.2	1.4	1.8

Muller Carbon Steel \$5.00 **Grobet High Speed Steel** \$8.75

OVAL — For shading of curved surfaces, deep cutting and stone setting.

Graver #	63	64	65	66	67
Muller Carbon Steel	EM1063	EM1064	EM1065	EM1066	EM1067
Thickness (mm)	1.9	2.1	2.3	2.5	2.8

Muller Carbon Steel \$5.00

LOZENGE — Diamond-shaped for deep cut monograms.

Graver #	1	2	3	4	6	8
Muller Carbon Steel	EM2201	EM2202	EM2203	EM2204	EM2206	EM2208
Thickness (mm)	1.25	1.5	1.75	2.0	2.5	3.2

Muller Carbon Steel \$5.00

SQUARE — Especially suited for bold letter engraving.

Graver #	2	4	6	8
Muller Carbon Steel	EM2302	EM2304	EM2306	EM2308
Thickness (mm)	1.5	2.0	2.5	2.75

Muller Carbon Steel \$5.00

High Speed Steel Gravers have yellow tangs.



Edward C. Muller Co.

Made in USA



Graver #	5/0	4/0	3/0	2/0	0	1	2	3	4	5	6
Muller Carbon Steel	—	—	EM2030	EM2020	EM2000	EM2001	EM2002	EM2003	EM2004	EM2005	EM2006
Grobet High Speed Steel	36.259	36.261	36.263	36.265	36.267	36.269	36.270	36.271	36.272	36.273	36.274
Thickness (mm)	1.16	1.24	1.35	1.45	1.58	1.78	1.94	2.16	2.54	2.74	2.94

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Grobet High Speed Steel	36.277	36.278	36.279	36.280	36.281	36.282	36.283	36.284	—	—
Thickness (mm)	0.2	0.4	0.6	1.0	1.2	1.4	1.8	2.0	2.2	2.4

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Muller Carbon Steel	EM1050	EM1051	EM1052	EM1053	EM1054	EM1055	EM1056
Grobet High Speed Steel	36.289	36.290	36.291	36.292	36.293	—	—
Thickness (mm)	0.2	0.4	0.6	1.0	1.2	1.4	1.8

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Graver #	63	64	65	66	67
Muller Carbon Steel	EM1063	EM1064	EM1065	EM1066	EM1067
Thickness (mm)	1.9	2.1	2.3	2.5	2.8

Muller Carbon Steel \$5.00

KNIFE — For line engraving and deep cuts.

Graver #	0	1	2	3
Muller Carbon Steel	EM2100	EM2101	EM2102	EM2103
Thickness (mm)	2.0	2.2	2.6	2.8

Muller Carbon Steel \$5.00

LOZENGE — Diamond-shaped for deep cut monograms.

Graver #	1	2	3	4	6	8
Muller Carbon Steel	EM2201	EM2202	EM2203	EM2204	EM2206	EM2208
Thickness (mm)	1.25	1.5	1.75	2.0	2.5	3.2

Muller Carbon Steel \$5.00

SQUARE — Especially suited for bold letter engraving.

Graver #	2	4	6	8
Muller Carbon Steel	EM2302	EM2304	EM2306	EM2308
Thickness (mm)	1.5	2.0	2.5	2.75

Muller Carbon Steel \$5.00

BEVEL — For heavy lettering and engraving hard metals.

Graver #	1	2	3
Muller Carbon Steel	EM2501	EM2502	EM2503
Muller High Speed Steel	EM2601	EM2602	EM2603
Thickness (mm)	0.8	1.0	1.2

Carbon Steel \$5.00 **High Speed Steel** \$7.50



ENGRAVING BLOCK and ATTACHMENT SET

A fine engraver's block. Superbly machined. Used to hold objects firmly for engraving, stone setting and general work. Optional attachments available for holding a wide variety of small and large shapes. Block moves smoothly on the pad. Precision bearings, responsive, tight tolerances, no side shake. Deep threaded jaws slide smoothly on the center screw. 5" diameter jaws. Made in Europe.



PE143.10 Block & Attachment Set \$319.50
PE143.00 Engraving Block \$258.00



ENGRAVING BLOCK ATTACHMENT SET

Set includes 4 small rubber-covered pins, 4 large rubber pins, 4 concave pins, 4 tapered pins, 4 triangular pins, 4 locket holders, 4 watch holders, 4 bent pins, 2 button holders and 1 key.



PE144.00 \$85.50

EUROPEAN INSIDE RING ENGRAVER

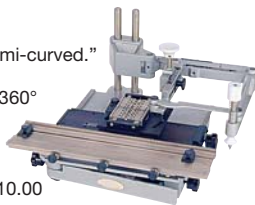
Engrave bright initials, dates or phrases onto the inside of rings. Accommodates a wide variety of ring shapes (narrow, wide and stone-set). Automatic letter centering. Uniform character spacing. Jaws rotate a full 360° for correct positioning. Uniform engraving depth. Diamond stylus. Complete set of operating instructions included. 16 1/2"H x 9 7/8"W x 10"D. Made in Europe.



Inside Ring Engraver with Two-sided Non-Continuous Block Letter Dial
PE156.50 \$475.00

EUROPEAN DELUXE HORIZONTAL ENGRAVING MACHINE

Engraves bracelets, charms, nameplates, badges and anything that is "flat or semi-curved." 15 different pantograph ratios from 2 1/2:1 to 6:1. Height adjustment up to 4 1/2". Accommodates both large (2 3/4") and small (1 1/4") font blanks. Vise rotates a full 360° with stops at every 45° increment. "Quick-slide" female vise holds 4" diameter plates. Set of 4 brass male pins. Diamond stylus. Complete set of operating instructions included. 9 1/2"H x 14 1/8"W x 16"D. Made in Europe.



PE157.50 Horizontal Engraver with 140 Piece Double Line Block Type Set \$510.00



ROSEWOOD GRAVER HANDLES

Handles available in a variety of shapes. Sold in packs of 2.

Half-Head
 1 1/2" x 1 1/4"
HAN601.00
 \$4.75 (2/Pack)



Round
 1 5/8" x 1 3/8"
HAN603.00
 \$4.75 (2/Pack)



Half-Head Long
 2" x 1 1/4"
HAN602.00
 \$4.75 (2/Pack)



Mushroom
 2" x 1 1/4"
HAN604.00
 \$4.75 (2/Pack)



HARDWOOD GRAVER HANDLES

Wood handles with reinforced metal collars that reduce splitting and provide a firm grip on gravers. Sold in packages of 3.

Half-Head
 1 1/2" x 1 1/4"
HD008
 \$3.75 (3/Pack)



Round
 1 5/8" x 1 3/8"
HD011
 \$3.75 (3/Pack)



Pear
 1 7/8" x 1 9/16"
HD009
 \$3.75 (3/Pack)



TOOL HANDLE

Quality hardwood tool commonly used with engraving tools. Chucks range from 0 - 3mm. 2 3/4" length. Made in France.

HAN733.00
 \$6.45



CROCKER PATTERN GRAVER SHARPENER

A useful fixture to assist sharpening of gravers on bench stones. Any precise angle may be pre-set with the setting index.



36.880 \$49.50

Sharpening Stone not included.



UNIVERSAL WORK HOLDER

For holding rings, pins and small objects when setting stones or engraving. A 2" round diameter vise (each jaw has 30 holes) is opened or closed by turning a thumbscrew. Pegs are positioned in appropriate holes around the piece. Opening or closing the vise moves the pegs firmly against the piece. 5" length. Supplied with 4 pegs.



HOL166.00 Peg Clamp \$11.50
HOL166.04 4 Extra Pegs \$2.75

BURGESS VIBRO ENGRAVER

Rugged industrial engraver with a carbide tip vibrating at 7,200 strokes per minute. Makes permanent markings, background effects and textures on metal, plastic, glass and stone. Calibrated adjustment dial changes length of stroke and depth of mark made by the tungsten carbide tip. 110 volts.

Engraver
36.860 \$58.50

Replacement Tungsten Carbide Tip
36.862 \$4.75



PRACTICE MATERIAL for ENGRAVING

Practice engraving, lettering and diamond setting before working on precious metal. Includes 6 flat brass rings, 6 domed brass rings, 3 brass plates (2" x 6") and 3 brass circles (2" dia.).



ENG004 \$13.50