

Muller Swedish Gravers

Used in bead setting and in hand engraving. Choose from tool steel or harder high-speed

Grobet Yellow Tang Gravers

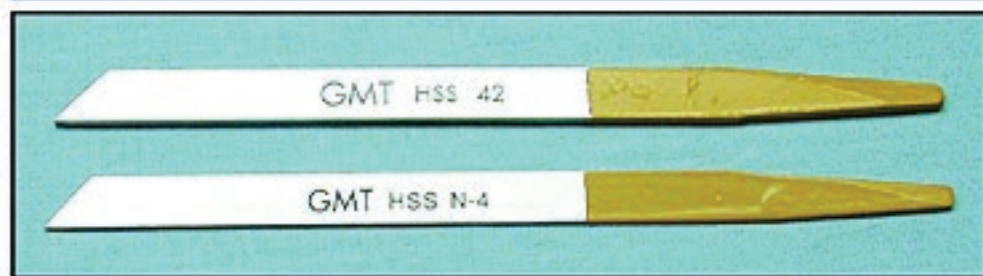
Highest quality Swiss made high-speed steel gravers.



Shape	Sizes Available	Tool Steel Order #	H.S. Steel Order #	Yellow Tang Order #
Onglette (Point)	Size 3/0 2/0 0 1 2 3 4 5 6	51-401	51-411	51-431
	Dim./mm 1.35 1.45 1.58 1.78 1.94 2.16 2.54 2.74 2.94			
Round	Size 50 51 52 53 54	51-402	51-412	51-432
	Dim./mm .2 .4 .6 1.0 1.2			
Flat	Size 37 38 39 40 41 41 43 44 45 46	51-403	51-413	51-433
	Dim./mm .4 .6 1.0 1.2 1.4 1.6 1.8 2.0 2.4 2.6			
Knife	Size 0 1 2 3 4	51-404	51-414	-
	Dim./mm 2.0 2.2 2.6 2.8 3.0			
Square	Size 0 1 2 3 4 5 6	51-406	-	-
	Dim./mm 1.5 1.75 2.00 2.25 2.50 2.75 3.00			
Bevel	Size 2/0 0 1 2 3 4 5	51-408	51-418	-
	Dim./mm .6 .8 1.0 1.2 1.4 1.6 1.8			

Dimension is maximum width at cutting surface.

Shipping weight: 1oz (28g) per piece



GMT Yellow Tang Gravers

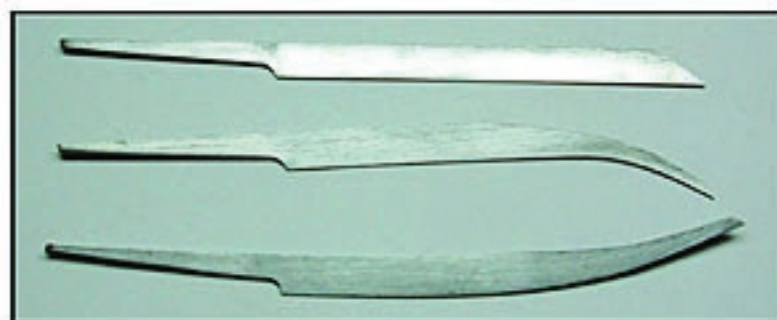
High-speed steel at an economical price.



Shape	Sizes Available	Order #
Onglette (point)	Size 5/0 4/0 3/0 2/0 0 1 2 3 4 5 6 7 8	51-441
	European # N-5/0 N-4/0 N-3/0 N-2/0 N0 N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8	
	Dim./mm 1.16 1.24 1.35 1.45 1.58 1.78 1.94 2.16 2.54 2.74 2.94 3.14 3.36	
Round	Size 50 51 52 53 54 55 56 57 58	51-442
	European # N-2 N-4 N-6 N-8 N-10 N-12 N-14 N-16 N-18	
	Dim./mm .2 .4 .6 .8 1.0 1.2 1.4 1.6 1.8	
Flat	Size 36 37 38 39 40 41 41 43 44	51-443
	European # N-2 N-4 N-6 N-8 N-10 N-12 N-14 N-16 N-18	
	Dim./mm .2 .4 .6 .8 1.0 1.2 1.4 1.6 1.8	
Knife	Size 0 1 2 3 4	51-444
	European # N-18 N-20 N-22 N-24 N-26	
	Dim./mm 1.8 2.0 2.2 2.4 2.6	

Dimension is maximum width at cutting surface.

Shipping weight: 1oz (28g) per piece



Liners

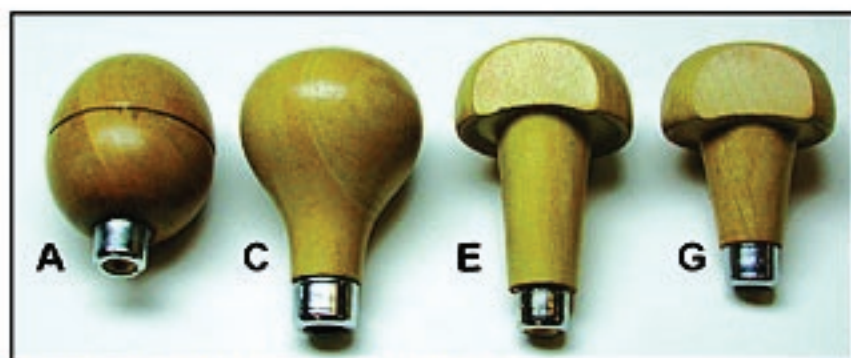
These engraving tools are used to produce a florentine texture (parallel line cuts) by hand. Liners are sized by two numbers. The first indicates the amount of space between each line. The second indicates the number of lines per tool. For example: a 6/2 liner is closely spaced liner with a thin cutting edge; a 32/10 liner has few lines with a thick cutting edge.

Choose from **Straight liners 51-421** for flat surfaces, **Bent liners 51-422** for inside curved surfaces and **Curved liners 51-423** for outside surfaces. 51-421, 51-422 produce lines on inside of curved surface, 51-423 produce lines on outside or curved surface.

Shipping weight: 1oz (28g) per piece

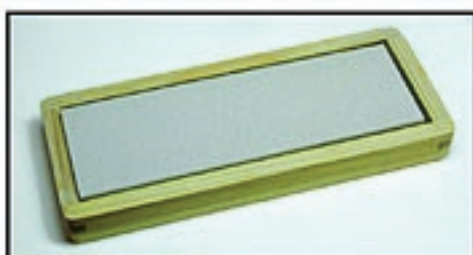
Beader and Millgrain Handles

51-039 – Pear Style with extra collet
 51-040 – Mushroom Style with extra collet
 Overall length: 3" (76g)
 Shipping weight: 2oz (56g)



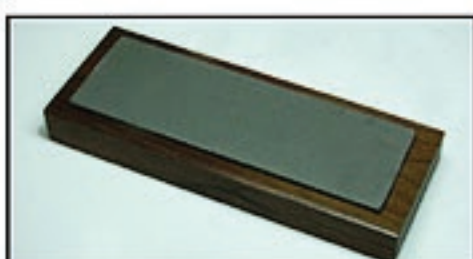
Arkansas Stones

51-802
 Natural, top quality oil stone for sharpening steel tools.
 5"l x 2"w (127 x 51mm) in a hardwood box.
 Shipping weight: 13oz (368g)



Diamond Sharpening Stone

51-815
 Diamond particle stone is hard material (Rockwell 72) with an excellent sharpening surface.
 6"l x 2"w (152 x 51mm) mounted on walnut pedestal.
 Shipping weight: 6oz (170g)



India Stones

A synthetic, economical alternative to Arkansas stones. Made from aluminum oxide.
 Dimensions: 6"l x 2"w x 1"d (152 x 51 x 25mm)



Fine – 51-701
 Medium – 51-702
 Combination – 51-704 – Fine and Coarse

Oil of Wintergreen

51-600
 Used to oil sharpening stones. 8oz (225g)

Foredom Sharpener/Honer with Fixture

51-725
 Operates off the power of a flexshaft at less than 3,000 rpm or off the power of the PowerGraver (see page 129) with a 3:1 gear reduction to run at speeds between 300 and 900 rpm. The table adjusts for right and left handed operators and uses double sided wheels and 3M adhesive pads available in 6 micron grades. Sharpening fixture features vertical and horizontal indexing adjustments and makes both toe and heel angles required for modifying and precise resharpening of gravers.
 Shipping weight: 10lbs (4.5kg)



StarLeaf Graver Handles

Shape	Diameter	Length	Order #
A	1 3/8" (35mm)	1 3/8" (41mm)	51-611
C	1 3/8" (41mm)	1 3/8" (47.5mm)	51-613
E	1 3/8" (35mm)	2" (50mm)	51-618*
G	1 3/8" (32mm)	2 1/4" (57mm)	51-624*



*Handles with one flat side.
 Shipping weight: 1lb (450g) per dozen

GRS Diamond Power Hone

51-750
 In seconds, you can sharpen gravers and tools without heat. It gives a sharper, stronger tool edge that make brighter cuts, cleaner lines and scrolls, more precise beads and finer shading. The Diamond Power Hone uses diamond wheels to sharpen hardened steels, high-speed steels and carbides. The wheel will last for years and stay flat for accuracy. Different grits are available from coarse to mirror polishing. With its heavy steel housing, continuous duty motor and double-bearing spindle, the Diamond Power Hone is a sharpener you can depend on for years.



SPECIFICATIONS:
 Energy: 115V, 60hz, 1.3 amp (230V available)
 Shipping weight: 10lbs (4.5kg)

GRS Dual Angle Sharpening Fixture

51-770
 Degree dial lets you set the precise angle. Saves time and gives you a better edge for making the cleanest, smoothest cuts. Holds tools with or without handles.
 Shipping weight: 3lbs (1.4kg)

Graver Sharpening Holder

51-390
 Small inexpensive holder for sharpening. Graver may be placed in either of two angled openings. Use with bench stone.
 Shipping weight: 3oz (85g)



Graver Sharpening Fixture

51-392
 Graver can be adjusted to any angle by setting index and locking in for repeated accuracy.
 Shipping weight: 10oz (281g)





GraverMax

The GraverMax™ harnesses the power of your compressed air to give you both controlled impact and ultra high-speed rotary power. It's very quiet and smooth running, which makes it a joy to use.

Jewelers, who were once uncomfortable setting stones, are now highly skilled using a GraverMax™. You can raise beads and bright cut with less than half the usual effort, at twice the speed. Pavé and channel settings become routine with a controlled GraverMax™ power assist! You'll love forming bezels and bending prongs with variable speeds from 400 up to 4000 impacts per minute. Jewelers break less stones with a GraverMax™ than by hand, because you have better control!

Hand engravers make clean, accurate cuts with confidence and ease. You'll master a full range of work, from heavy relief engraving to delicate shading. Beginners learn in months, not years. Accomplished engravers gain a 2 to 4 fold increase in working speed while producing their same classic hand style.

You have a wide choice of impact handpiece so you can "tune" the GraverMax™ to your work. Every GraverMax™ controls two impact handpieces with its built-in selector knob.

51-500 – GraverMax™ without handpiece

Order handpieces separately.

Includes main unit, foot control, three tools and instructions.

SPECIFICATIONS:

Electrical requirements: 1.2 amps @ 115V, 50/60hz
(220V available)

Air requirements: 1.5CFM @ 50-120psi

Shipping weight: 20lbs (9kg)

GraverMax and GraverMate Handpieces

Impact Handpiece – 51-510

Fits comfortably in the palm of the hand. Adjustable chuck accommodates gravers and other tools from 1/16" (1.6mm) to 3/16" (3.6mm) shanks. 4 1/4" (114mm) long.



Quick Change Handpiece – 51-511

Lightweight handpiece allows for quick and easy changing of tool holder. Includes 3 tool holders. 3" (76mm) long.

Other handpieces available.



PowerGraver

17-010

The ideal tool for easy engraving and hammer setting jobs. This powerful, ball bearing, high torque motor adjusts from 500-2800 strokes per minute. Engraving jobs require no hand force: speeds production and eases fatigue. Complete with "donut" style handpiece with 3 collets (1/16", 1/8", 3/16") (1.6, 2.35, 3mm), speed controller, on/off pedal, set of 4 gravers and maintenance kit.

Energy: 110V, 1 amp (220V available)

Shipping weight: 12lbs (5.5kg)



GraverMate

Includes several of the same features as the GraverMax at an economical price. Both machines offer the same handpieces and foot control. The GraverMate runs at 2000 impacts per minute and you can connect one impact handpiece and one rotary handpiece of your choice to carve, engrave, cut or hammer.

51-505 – GraverMate™ without handpiece

Order handpieces separately.

Includes main unit, foot control, three tools and instructions.

SPECIFICATIONS:

Electrical requirements: 1.5 amps @ 115V, 50/60hz
(220V available)

Air requirements: 1.5CFM @ 50-120psi

Shipping weight: 20lbs (9kg)



Eisinger Engraver's Block

51-112

Heavy weight, full sized 6" (152.5mm) engraving vise will hold objects of any shape. This perfectly balanced, smoothly rotating ball is supplied with a ring pad and a full set of 34 attachments on a wooden base.

51-115 - Replacement Ring Pad

51-113 - Attachment Set

Shipping weight: 21¼lbs (9.8kg)

Eisinger Outside Engraving Machine

51-125

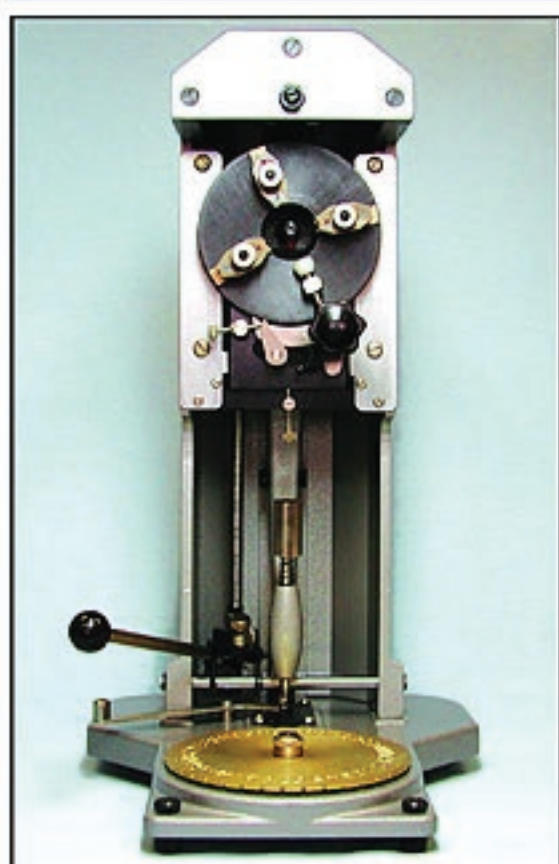
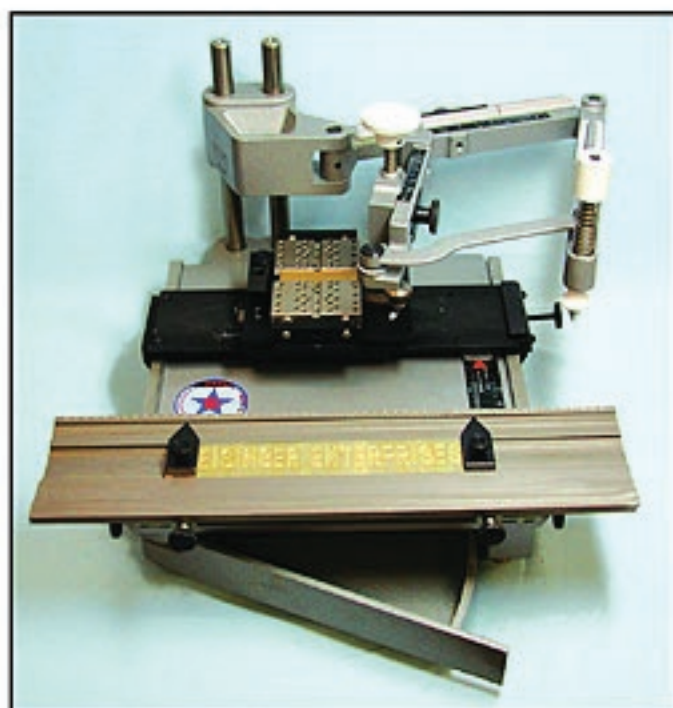
Advantages:

- Faster service
- Every sale is final
- Increased sales and profits
- Spend less - make more
- Easy to use

Special Features:

- 15 different pantograph ratios from 2.5:1 to 6:1
- Spring action pantograph, with adjustable arm tension which automatically moves out of the way when not in use.
- Includes diamond cutter for metal engraving
- Comes with adjustable work jig which rotates a full 360° for cups or bracelets
- Height adjusts up to 4¼" (114mm)
- "Quick Slide" vise for easy set-up
- Comes with adjustable type slide for both 1¼" (31.8mm) and 2¾" (70mm) type blanks
- Overall dimensions: 14"w x 14¼"d x 11"h (356 x 368 x 279mm)

Shipping weight: 22lbs (10kg)



Eisinger Inside Ring Engraving Machine

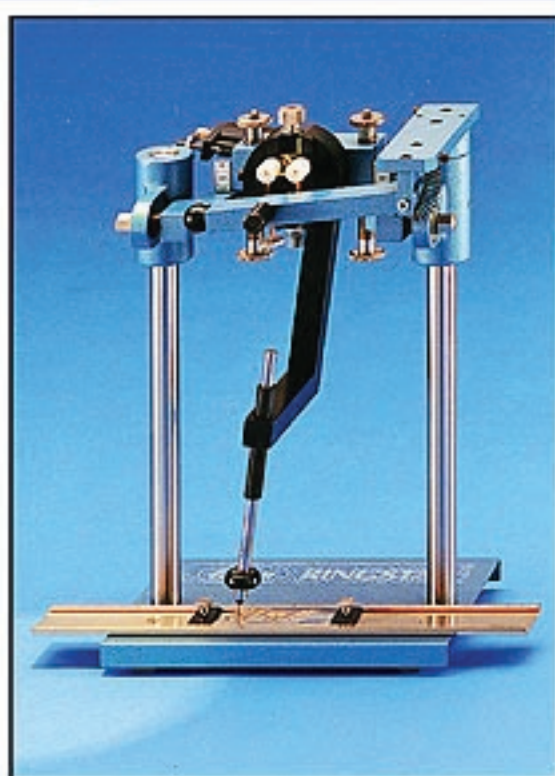
51-131

With small block type and non-continuous script on a double sided dial.

- Very easy to learn and operate
- Accommodates any ring size
- Diamond tipped cutting head

Dimensions: 14"w x 14¼"d x 16¼"h
(356 x 369 x 420mm)

Shipping weight: 18lbs (8.2kg)



Elma Inside Ring Engraver

51-132

Lightweight and extremely easy to use, this machine is for engraving inside the ring shank. Unique character height adjustment allows for any size from 1mm to 3mm. Includes diamond cutting head and one set of script type. Can be interchanged with type from our 51-125.

Dimensions: 13¼"w x 6¼"d x 17¼"h
(345 x 160 x 450mm)

Shipping weight: 15lbs (6.8kg)



Elma Modulgrav Combo Inside and Outside Engraver

51-133

For the engraving of both the inside of ring shanks and outside engraving of small items such as pens, bracelets, pendants and lighters.

Dimensions: 9¼"w x 6¼"d x 24¼"h
(345 x 160 x 450mm)

Shipping weight: 29¼lbs (13.4kg)