new Hermes
ENGRAVING MACHINES AND ACCESSORIES
& BRASS MASTER COPY TYPE
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Where to Order

New Hermes Regional branch facilities are located nationwide in order to expedite your order quickly. When placing your order refer to the following listing to determine your servicing New Hermes branch.

## New Hermes Branch Offices

**NORTHEAST**

- New Hermes, Inc.
  20 Cooper Square
  New York, N.Y. 10003
  (212) 777-3080

- Connecticut
- Delaware
- Dist. of Columbia
- Maine
- Maryland
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Pennsylvania
- Rhode Island
- Vermont

**SOUTHEAST**

- New Hermes, Inc.
  2443 Park Central Blvd.
  Decatur, Georgia 30035
  (404) 961-2562

- Alabama
- Georgia
- Kentucky
- Mississippi
- North Carolina
- South Carolina
- Tennessee
- Virginia
- West Virginia
- Florida

- Illinois
- Indiana
- Iowa
- Michigan
- Minnesota
- Missouri

**SOUTHWEST**

- New Hermes, Inc.
  12243 E. Northwest Hwy.
  Dallas, Texas 75228
  (214) 328-9835

- Arkansas
- Colorado
- Kansas
- Louisiana

- Nevada
- New Mexico
- Oklahoma
- Texas

**WEST COAST**

- New Hermes, Inc.
  11711 Monarch Street
  Garden Grove, California 92641
  (714) 898-9265

- Alaska
- Arizona
- California
- Hawaii
- Idaho
- Montana

- Oregon
- Utah
- Washington
- Wyoming

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Call Toll Free Nationwide 1-800-8HERMES
Machine Parts Key

Ordering is easy

The engraving machine, rotating spindles and diamond assemblies are shown above to make ordering easier. The Machine Parts Key will assist you in describing parts not found within this catalog. Although your machine model may differ from the one represented here, the labeled parts function in the same way on all machines.

Our Customer Service/Order Department will assist you in ordering by phone or by mail—or even in person if you wish to visit one of our branch offices located throughout the United States. In addition, over 30 sales representatives are available locally in the event you require personal assistance.

Ordering 1-2-3-4

1. Check the serial number of your machine, generally located on the back of your Engravograph. Include letters. (Example: TX234082) New Hermes stocks parts for machinery including those items not shown in this catalog for a period of 10 years.

2. Identify the parts needed from the photograph above. Although your model may differ, parts listed above function in a similar manner. Not all parts indicated within the Machine Parts Key are available and some are not sold separately, rather they are only sold within kits.

3. Order using the selected part numbers.

4. Throughout this catalog, black type face for machines indicates current models. Grey indicates older models.

REFER TO YOUR PRICE LIST/ ORDER FORM FOR PRICING, TERMS & DELIVERY.

Customized parts are available for engraving machines and auxiliary equipment. Call us for price and delivery information. For machine repairs, contact New Hermes for specific information.

DIAMOND ASSEMBLIES

Standard Diamond Assembly
#11-700-01

TX Diamond Assembly
#68-732-00

ROTATING CUTTER SPINDLES

Standard Rotating Cutter Spindle
#65-558-40

TM Rotating Cutter Spindle
#51-144-20

TX Rotating Cutter Spindle
#58-645-40

RX Rotating Cutter Spindle
#55-670-40
Engraving with a New Hermes Engravograph & Brass Master Copy Type

Engraving is an art form which anyone can master.

New Hermes Engravographs are designed so that even a first-time engraver can achieve professional results.

Each Engravograph is engineered and precision-built to the highest standards of quality. New Hermes is dedicated to meeting the challenging needs of the engraving industry, whether to personalize jewelry and gift items or to engrave signs for commercial and industrial use.

Engraving is easy

Engraving is made easy with the tracer-guided technique.

Here's how it works:

1. Choose a master copy type from the New Hermes brass master copy type styles and insert it into the copy slide. Master Copy Type is the name given to self-spacing brass templates from which letters, punctuations, numerals and designs can be reproduced in many sizes on New Hermes Engravographs. All Master Copy Type styles shown in this catalog are engraved on blanks of special long wearing hard brass, beveled to fit New Hermes dove-tailed copy holding slides.

2. Position the item in the machine's self-centering workholding vise. 3. Lower the tracing stylus into the groove of the master copy type. 4. By pushing down the cutting instrument and following the grooves of the letters, the item will be engraved automatically and precisely. What could be easier? New Hermes Engravographs are designed and constructed to keep every step of the engraving process simple and effortless.

Centering is automatic

Clamp the item to be engraved into the New Hermes Engravograph's self-centering workholding vise and with one turn, the object is securely tightened and centered. No guesswork or time-consuming errors.

Engraved letter sizes can be varied

With our precision built pantographs, up to 25 different engraved sizes can be reproduced from each set of master copy type. Simple adjustment will allow the operator to change the letter size without affecting the text layout.
"Fundamental" GN-2/IN-2 Engravograph
This compact and portable Engravograph is simple to operate. It produces precision engraving on all kinds of materials. Perfect when a limited need for engraving is required it adds the final touch of personalization on small jewelry items, Engravables, tags, small nameplates and badges.
- Maximum jaw opening of workholder 3¾".
- Front-rear movement of workholder 4½".
- Maximum size item engraved in one set-up at 2.5 ratio is 3¾"W x 6"L.

Specifications
- 19 engraving ratios from 2.5:1 to 7:1
- Double grooved copy holding slide mounted to machine base 13¾".
- ¼" diameter rotating cutter spindle with bottom micrometer settings in increments of .001" (IN-2). Non-rotating diamond spindle (GN-2).
- Dimensions 17¾" x 13¾" x 8"; Approximate weight 14 lbs.

"Basic Plus" GM-3/IM-3 Engravograph
This lightweight and compact Engravograph is ideal for businesses with limited space. Its automatic center capabilities make it simple to operate for any first-time engraver. Yet, it meets most engraving needs on small objects such as nameplates, badges, machine plates and small jewelry items; in particular:
- plates up to 5½" high clamped between jaws of 9½" by any length with support plaque.
- odd-shaped objects up to 3" thick.

Specifications
- 25 engraving ratios from 2:1 to 7:1
- 4½" x 9½" maximum work range at 2:1 ratio
- 6" x 16" graduated copy table for holding multi copy holding slides
- ¼" diameter rotating cutter spindle with bottom micrometer assembly; rotating depth settings in increments of .001" (IM-3). Non-rotating diamond spindle (GM-3).
- Dimensions: 16" x 17"; Approximate weight 25 lbs.

"Standard Plus" GT-M/IT-M Engravograph
Small Engravograph with exceptional capabilities; the original design of the frame accommodates engraving needs on small to medium size objects such as nameplates, awards, small signs as well as odd-shaped, cylindrical or jewelry items:
- plates up to 8" high clamped between jaws of 11" by any length with support plaque.
- odd-shaped object up to 4¾" thick.
- cylindrical items from 1¼" to 4¾" diameter.

Specifications
- 25 engraving ratios from 2:1 to 7:1
- 4½" x 9½" maximum work range at 2:1 ratio
- 6" x 16" graduated copy table for holding multi copy holding slides
- ¼" diameter rotating cutter spindle with bottom micrometer assembly; depth setting in increments of .001 (IT-M). Non-rotating heavy duty diamond spindle (GT-M).
- 2 cones up to 3½" diameter.
- Dimensions: 20" x 22". Approximate weight: 32 lbs.
“Super” GTX-L/ITX-L Engravograph
The “Super” Engravograph is a sturdy floor model designed to accommodate odd-shaped, cylindrical and flat objects such as bowls, cups, trays, trophy plaques and control panels clamped in a versatile workholding vise:
- plaques up to 14¾” high by any length with support plaque
- odd-shaped objects up to 8” thick
- cylindrical objects up to 8” diameter with optional adapter (see pg. 13)

Specifications
- 25 engraving ratios from 2:1 to 7:1
- 3½” x 12” maximum work range at 2:1 ratio
- 6” x 16” graduated copy table for holding multi copy holding slides
- 1½” diameter rotating cutter spindle with dual side and bottom micrometer assemblies; depth setting for engraving with or without depth nose in .001” increments (ITX-L). Non-rotating heavy duty diamond spindle (GTX-L).
- Auto-Indexing System
- 4 cones up to 6” diameter.
- Complete with machine stand
- Dimensions: 30” x 22”; Approximate weight: 100 lbs.

Model GTX-L
Standard equipment: Diamond Assy
Part Number #15-500-00

Model ITX-L
Standard equipment: Spindle & Motor
Part Number #15-510-00

“Universal” GTX-3/ITX-3 Engravograph
The “Universal” Engravograph is a floor model built sturdily to engrave on large, bulky or cylindrical objects with the required precision to engrave as well on small items:
- plaques up to 22” high by any length with support jig
- cylindrical objects up to 15” diameter
- odd-shaped objects up to 15” high

Specifications
- 25 engraving ratios from 2:1 to 7:1
- 4¾” x 12” maximum work range at 2:1 ratio
- 10” x 24” graduated copy table for holding multi copy holding slides
- 1½” diameter rotating cutter spindle with dual side and bottom micrometer assemblies; depth settings for engraving with or without depth nose in .001” increments (ITX-3). Non-rotating heavy duty diamond spindle (GTX-3).
- Auto-Indexing System
- 7 cones up to 15” diameter.
- Dimensions: 28” x 34”; Approximate weight: 210 lbs.

Model GTX-3
Standard equipment: Diamond Assy
Part Number #18-100-00

Model ITX-3
Standard equipment: Spindle & Motor
Part Number #18-110-00
“Industrial” ITF-V Engravograph
This “Industrial” Engravograph is specifically designed for flatwork such as signs, badges and control panels as well as oversize items with frame and pantograph assembly lifted off the base.

Specifications
• Maximum jaw opening of workholder 19”
• 25 engraving ratios from 2:1 to 7:1
• 3½” × 12” maximum work range at 2:1 ratio
• 6” × 16” graduated copy table for holding multi copy holding slides
• ¼” diameter rotating cutter spindle with dual side and bottom micrometer assemblies with .001 step depth settings from engraving with or without depth nose.
• Dimensions: 27” × 23”; Approximate weight: 85 lbs.

Model ITF-V
Part Number #16-500-00

*K-1 Workholder
Part Number #51-360-00

*Jigs not included. See Pg. 12-13 for Jigs.

“Heavy Duty” IR-V Engravograph
The “Heavy Duty” Engravograph has a strong pantograph with a ¼” rotating spindle for special applications such as slotting, milling and profiling in addition to high precision engraving for all flat sign and panel work.

Specifications
• Maximum jaw opening of workholder 19”
• 23 engraving ratios from 2:1 to 8:1
• 6” × 18½” maximum work range at 2:1 ratio
• 10” × 24” graduated copy table for holding multi copy holding slides
• ¼” diameter rotating cutter spindle with dual side and bottom micrometer assemblies with .001” step depth settings for engraving with or without depth nose.
• Dimensions: 29” × 26”; Approximate weight: 110 lbs.

Model IR-V
Part Number #21-500-00

*K-1 Workholder
Part Number #51-360-00

*Jigs not included. See Pg. 12-13 for Jigs.

Standard Equipment

<table>
<thead>
<tr>
<th>All machines</th>
<th>Adjustable multi-ratio pantograph; graduated copy table (replaced by fixed 1¾-2½ double-grooved copy holding slide on GN-2/IN-2); universal self-centering work-holding vise; interchangeable holding jigs; holding cones (standard with “Standard Plus”, “Super” and “Universal” models); sample of double-face tape; practice material; dust cover; accessory box; instruction booklet. Copy slides illustrated with the machine not included</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotary Models IN-2, IM-3, IT-M, ITX-L, ITX-3, ITF-V, IR-V</td>
<td>Rotating spindle with shielded ball bearings; universal motor with preloaded ball bearings, 115V, motor belt, engraving cutter .030 wide; regulator nose; cutter head wrench; cutter holder; allen wrench; cleaning brush. *220V motor available at additional charge, ask for quotation</td>
</tr>
</tbody>
</table>
**Accessories**

**Duplicating Pantographs**
An added feature for selected Engravographs allows large sized lettering.
- For engraving large letters with a 1:1 ratio
- Heavy duty pantographs built with ball bearings on all joints for ease of operation.

<table>
<thead>
<tr>
<th>Rotating spindle type</th>
<th>TX</th>
<th>TX with additional motor</th>
<th>RX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>15-250-00</td>
<td>15-251-00</td>
<td>55-800-00</td>
</tr>
</tbody>
</table>

- RX: Model IR-V.
For previous models contact New Hermes for information.

**Special Application Kits**
New Hermes provides these Special Application Kits for you to upgrade your machinery and increase your capabilities for expansion into new markets without the need to purchase new equipment.

**Flat Plate Kit**
Created for engraving large name plates and signs on workholders with open construction. This kit provides a sturdy work area like that of the flat bed model machines.

**Kit includes:**
- Stainless steel flat plate
- Aluminum jig 8"  

<table>
<thead>
<tr>
<th>Flat Plate (Only) Part Number</th>
<th>30-798-30</th>
</tr>
</thead>
</table>


**Ski Kit**
For engraving skis and poles.

**Kit includes:**
- 3-line vertical copy holder with 6 end stops
- Ski and pole jigs
- Engravocolor stick (white)
- Diamond graver (¼" shank)

Note: Kit must be used with motor and rotating cutter spindle. For machines without motor. (see pg. 14).

<table>
<thead>
<tr>
<th>For Models GN-2, IN-2, GM-3, IM-3, GT-M, IT-M, GM, IM, GM-V, IM-V, GM, IM, Part Number</th>
<th>30-606-00</th>
</tr>
</thead>
</table>

**Optical Kit**
For engraving on plastic lenses and eyeglass temples.

**Kit includes:**
- Optical lens jig (30-791-01) and template jigs (30-710-00; 30-775-00)
- .005" tip cutter for acrylic lenses (½" shank)
- Diamond graver for metal temples
- Engravocolor stick (white)
- 35-306/16 cursive style (supplemental assortment)

Note: Kit must be used with motor and rotating cutter spindle. For machines without motor. (see pg. 14).

For Models GN-2, IN-2, GM-3, IM-3, GT-M, IT-M, GM, IM, GM-V, IM-V, GM, IM, Part Number | 30-605-00 |

**K-1 Kit**
Designed to fit in New Hermes flat base machines with built-in 2-level brackets.* The K-Conversion kit adds the capability of engraving objects up to 1 1/2" in depth.

**Kit includes:**
- K-1 workholding vise (5" maximum opening) with jigs
- Holding studs

For all flat base machines with built-in 2-level brackets Part Number 10-007-00

*For flat base machines without 2-level brackets, call for price and information. Specify machine model and serial number.

**Seal Kit**
For seal engraving.

**Kit includes:**
- Seal indexing fixture to fit double-grooved copy holding slide, plus 2 drills with 45 characters in each for 1/16", 1/16" and 2" diameter.
- 2 high speed steel cutters (¼" diameter). Seal indexing fixture may be used on models ITF-V and IR-V

Note: Must be used with motor and rotating cutter spindle. For machines without motor, (see pg. 14).

Copy Holding Slides

(With 2 End Stops and Centering Scale)
Placed on copy table, holds master copy type blanks during engraving.

<table>
<thead>
<tr>
<th>Copy Type Blank Size</th>
<th>Slide Length</th>
<th>Complete with clamping blocks and screws.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot;</td>
<td>18&quot;</td>
<td>33-047-00</td>
</tr>
<tr>
<td></td>
<td>26 1/2&quot;</td>
<td>33-067-01</td>
</tr>
<tr>
<td></td>
<td>36&quot;**</td>
<td>33-077-01</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>18&quot;</td>
<td>33-147-00</td>
</tr>
<tr>
<td></td>
<td>26 1/2&quot;</td>
<td>33-167-01</td>
</tr>
<tr>
<td></td>
<td>36&quot;**</td>
<td>33-177-01</td>
</tr>
<tr>
<td>1 1/4&quot; 24&quot; Double-grooved</td>
<td>22&quot;</td>
<td>33-257-00</td>
</tr>
<tr>
<td></td>
<td>26 1/2&quot;</td>
<td>33-267-01</td>
</tr>
<tr>
<td></td>
<td>36&quot;**</td>
<td>33-277-01</td>
</tr>
<tr>
<td>4 1/2**</td>
<td>36&quot;</td>
<td>33-477-01</td>
</tr>
<tr>
<td>Adjustable**</td>
<td>36&quot;**</td>
<td>33-877-00</td>
</tr>
</tbody>
</table>

*Not recommended for GM-3, IM-3, GT-M, IT-M, IM, GK, GMW, GTW, ITW.*

"Centering scales not available for this size.

Note: 18" and 22" Length Slides cannot be used on models GTX-3, ITX-3, HR-V, GTX-V, ITX-V.

Converters for Double-grooved Copy Holding Slides

(With 2 End Stops)
By sliding converter into standard 2 1/8" double-grooved copy slide, two lines of 1 1/4" copy blanks can be set up and engraved simultaneously.

<table>
<thead>
<tr>
<th>Slide Length</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 3/4&quot;</td>
<td>33-320-00</td>
</tr>
<tr>
<td>22&quot;</td>
<td>33-350-00</td>
</tr>
<tr>
<td>26 1/2&quot;</td>
<td>33-360-00</td>
</tr>
<tr>
<td>36&quot;</td>
<td>33-370-00</td>
</tr>
</tbody>
</table>

End Stops
(Sold in pairs)

<table>
<thead>
<tr>
<th>End Stop</th>
<th>Copy Type Blank Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5/8&quot;</td>
<td>33-521-02</td>
</tr>
<tr>
<td>B</td>
<td>1 1/4&quot;</td>
<td>33-524-02</td>
</tr>
<tr>
<td>C</td>
<td>1 1/4&quot; 2 1/4&quot;</td>
<td>33-527-02</td>
</tr>
<tr>
<td>D</td>
<td>4 1/2&quot;</td>
<td>33-534-01</td>
</tr>
<tr>
<td>E</td>
<td>Adjustable</td>
<td>33-515-00</td>
</tr>
</tbody>
</table>

Centering Scales
Enables quick centering of master copy type on copyholding slides

<table>
<thead>
<tr>
<th>Copy Type Blank Size</th>
<th>Length</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; 1 1/4&quot;</td>
<td>18&quot;</td>
<td>30-340-31</td>
</tr>
<tr>
<td></td>
<td>26&quot;</td>
<td>30-341-31</td>
</tr>
<tr>
<td>1 1/4&quot; 2 1/4&quot;</td>
<td>22&quot;</td>
<td>30-343-31</td>
</tr>
<tr>
<td>For double-grooved copy slide</td>
<td>26&quot;</td>
<td>30-344-31</td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>30-345-31</td>
</tr>
</tbody>
</table>
### Engraving Cutters
(For rotating spindle with motor)

#### Recommended 1/8" Shank Cutter Assortment
- 0.015
- 0.020
- 0.030
- 0.060
- 0.090
- 0.125

or any combination of 6 intermediate widths available.

#### Recommended 1/16" Shank Cutter Assortment
- 0.015
- 0.020
- 0.030
- 0.060
- 0.125
- 0.171

or any combination of 6 intermediate widths available.

<table>
<thead>
<tr>
<th>Machine Models</th>
<th>1/4&quot; Shank Diameter</th>
<th>1/8&quot; Shank Diameter</th>
<th>1/16&quot; Shank Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engraving Materials</td>
<td>Standard Rotating Spindle</td>
<td>TX Rotating Spindle</td>
<td>RX Rotating Spindle</td>
</tr>
<tr>
<td>Phenolic</td>
<td>High Speed Steel</td>
<td>Solid Carbide</td>
<td>High Speed Steel</td>
</tr>
<tr>
<td>Gravopy, Gravopy II, Graviflex, Metalpex</td>
<td>—</td>
<td>40-304-</td>
<td>—</td>
</tr>
<tr>
<td>Acrylics, 2-Plex</td>
<td>40-327-</td>
<td>40-354-</td>
<td>42-027-</td>
</tr>
<tr>
<td>Aluminum†</td>
<td>42-024-</td>
<td>42-006-</td>
<td>42-019-</td>
</tr>
<tr>
<td>Brass, Precious Metal†</td>
<td>40-306-</td>
<td>40-319-</td>
<td>42-024-</td>
</tr>
<tr>
<td>SPECIAL APPLICATIONS</td>
<td>High Speed Steel</td>
<td>Solid Carbide</td>
<td>High Speed Steel</td>
</tr>
<tr>
<td>Cutting Masters</td>
<td>40-323-</td>
<td>40-302-</td>
<td>42-023-</td>
</tr>
<tr>
<td>Cutting Stencils</td>
<td>40-302-010</td>
<td>40-301-010</td>
<td>42-022-010</td>
</tr>
<tr>
<td>Optical (poly carbonate lenses)</td>
<td>40-329-</td>
<td>—</td>
<td>42-029-</td>
</tr>
<tr>
<td>Burnishing (for wider engraving on polished brass)</td>
<td>010-090 only</td>
<td>40-313-</td>
<td>42-013-</td>
</tr>
</tbody>
</table>

### How to Select Cutting Width

The width of cut is directly related to the height of the engraved character. For example, a 1/4" high engraved single line letter will require a .030" tip width cutter. This chart is a useful guide to help you select cutter tip widths for various engraved letter heights. Refer to Page 21 for type size and finished engraved size chart.

When ordering remember to specify tip size.

<table>
<thead>
<tr>
<th>Width of Cutter</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>1/4&quot;</th>
<th>5/64&quot;</th>
<th>1/32&quot;</th>
<th>1/34&quot;</th>
<th>1&quot;</th>
<th>11/8&quot;</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>.015</td>
<td>.020</td>
<td>.030</td>
<td>.040</td>
<td>.060</td>
<td>.090</td>
<td>.125</td>
<td>.171</td>
<td>.250</td>
<td>B</td>
</tr>
</tbody>
</table>

### Cutter Resharpening Services

Special cutters can be custom ground. Enclose a sample of the material to be engraved, finished letter height when engraving, and specify the serial number of your machine when asking for a quotation.

Our Sharpening Department will resharpen your cutters. However, cutters that have been tampered with or are beyond repair will not be resharpened.

<table>
<thead>
<tr>
<th>Cutter</th>
<th>PLEASE MAKE SURE THAT EVERY CUTTER IS RETURNED TO US WITH ITS CUTTERHEAD. IN ORDER TO PERMIT US TO MAKE A FASTER DETERMINATION OF THE TYPE AND TIP OF YOUR CUTTER. THIS WILL EXPEDITE THE RESHARPENING AND RETURN TO YOU.</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Speed Steel</td>
<td></td>
</tr>
<tr>
<td>Carbide Tipped</td>
<td></td>
</tr>
<tr>
<td>Resharpening of Stylus</td>
<td></td>
</tr>
</tbody>
</table>

*For this cutter, a kit is required consisting of a nose with large clearance hole and retaining nut. (Part Number 30-593-00).
*
**Conical point cutters available.

† Use 60° included angle cutter on softer metals. Use 90° included angle cutter on harder metals.
Depth Regulator Noses
For rotating cutter spindles when engraving on irregular surfaces using the bottom spindle micrometer.

<table>
<thead>
<tr>
<th>Nose</th>
<th>Cutter Point Up To</th>
<th>Clearance Hole</th>
<th>Standard (1/8” cutters) spindle Tx (1/16” cutters) spindle</th>
<th>Nose</th>
<th>Cutter Point Up To</th>
<th>Clearance Hole</th>
<th>Rx (1/4” cutter) spindle</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>.020”</td>
<td>.040”</td>
<td>30-300-00</td>
<td>C</td>
<td>.060”</td>
<td>.093”</td>
<td>30-310-00</td>
</tr>
<tr>
<td>B</td>
<td>.040”</td>
<td>.060”</td>
<td>30-301-00</td>
<td>E</td>
<td>.125”</td>
<td>.187”</td>
<td>30-311-00</td>
</tr>
<tr>
<td>C</td>
<td>.060”</td>
<td>.092”</td>
<td>30-302-01</td>
<td>F</td>
<td>.187”</td>
<td>.250”</td>
<td>30-312-00</td>
</tr>
<tr>
<td>D</td>
<td>.171”</td>
<td>.185”</td>
<td>30-303-02</td>
<td>G</td>
<td>.250”</td>
<td>.312”</td>
<td>30-313-00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Boxed assortment of four</td>
<td>Boxed assortment of four</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Diamond Gravers
Used in rotating spindles without motor power to engrave on hardened metal surfaces or precious metals.

<table>
<thead>
<tr>
<th>Rotating Spindle Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard (1/8” shank diameter) IN-2, IM-3, IT-M, IM-M, IM-MV, INK, IL-K</td>
<td>40-436-020</td>
</tr>
<tr>
<td>TX (1/16” shank diameter) ITX-L, ITX-3, ITF-V, ITX, IT-VP, ITF</td>
<td>42-036-020</td>
</tr>
<tr>
<td>RX (1/4” shank diameter) IR-V, IRX, IRX-K</td>
<td>43-036-020</td>
</tr>
</tbody>
</table>

Diamond Inserts
Used in diamond assembly on non-rotating spindles.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/32” insert only</td>
<td>40-235-020</td>
<td>40-235-020</td>
</tr>
<tr>
<td>3/32” Shank including Diamond insert</td>
<td>45-335-21</td>
<td>45-335-21</td>
</tr>
<tr>
<td>1/16” insert for wider, deeper engraving on soft metals such as gold, silver, or pewter.</td>
<td>40-253-020</td>
<td>40-253-020</td>
</tr>
</tbody>
</table>

"Feather Touch" Ball Bushing Diamond Assembly
This attachment is particularly suited for engraving on silver, pewter and very soft metals. It can be purchased with a new machine, with a deduction allowed for the standard diamond assembly.

<table>
<thead>
<tr>
<th>Feather Touch Ball Bushing Diamond Assembly</th>
<th>15-200-06</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8” insert for Ball Bushing Assembly</td>
<td>40-200-020 (1” long)</td>
</tr>
<tr>
<td></td>
<td>40-135-020 (5/8” long)</td>
</tr>
</tbody>
</table>

Tracing Styluses
A new or well maintained tracing stylus prolongs life of master copy type.

<table>
<thead>
<tr>
<th>Machine Model</th>
<th>Carbide Tipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. IR-V, IRX, IRX-K</td>
<td>55-646-20*</td>
</tr>
<tr>
<td>E. Insert only**</td>
<td>58-642-32</td>
</tr>
<tr>
<td>Hex Key for Insert</td>
<td>51-245-00</td>
</tr>
</tbody>
</table>

*Hardened tool steel
Interchangeable Holding Jigs*

For Jewelry and Nameplates
For all models
Part Number 30-765-00

For Watches and Lighters and Computer Keys
For all models
Part Number 30-766-00

For Signet Rings
With Steel Rod
For all models
Part Number 30-745-00

For Football Charms and Bangle Bracelets
For all models
Part Number 30-716-00

For Crucifixes and Crosses
For all models
Part Number 30-751-00

For Multi-Purpose Use
For items of varied shapes & sizes
For all models (except GN-2, IN-2, GM, GM-V)
Part Number 06-243-00

For Flatware
To locate engraving position on each piece. For most sizes, shapes and patterns.
For all models
Part Number 30-701-01

For Pens and Tubular Objects
For all models
Part Number 30-706-00

For Cross Pens
Includes centering bar.
For all models
Part Number 30-721-01

For Skis and Ski Poles
For all models
Part Number 30-763-01

Vertical Slide Assembly to engrave on skis or very long objects (See Page 8)
Part Number 33-512-02

For Eyeglass Temples

<table>
<thead>
<tr>
<th>For all models</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For wide temples</td>
<td>30-710-00</td>
</tr>
<tr>
<td>For narrow temples</td>
<td>30-775-00</td>
</tr>
</tbody>
</table>

For Plastic Lenses

<table>
<thead>
<tr>
<th>For all models</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left side optical lens</td>
<td>30-791-01</td>
</tr>
<tr>
<td>Right side optical lens</td>
<td>30-794-01</td>
</tr>
</tbody>
</table>

*Models ITF-V, IR-V, IL-K, ITF-K, IRX-K require K-1 Workholder #51-360-00.
Interchangeable Holding Jigs*

For Nameplates with Adjustable Stop
For quick repetitive set up of similar items.

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; long (plastic) for all models</td>
</tr>
<tr>
<td>30-777-00</td>
</tr>
<tr>
<td>8&quot; long (aluminum) for all models (not for use on model GN-2, IN-2)</td>
</tr>
<tr>
<td>30-778-01</td>
</tr>
<tr>
<td>30-730-00</td>
</tr>
</tbody>
</table>

For Plaques
Includes 6 positioning pins

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Models GK, GK-V, IK-V</td>
</tr>
<tr>
<td>30-769-00</td>
</tr>
<tr>
<td>30-719-20</td>
</tr>
</tbody>
</table>

12 Extra Pins

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-776-01</td>
</tr>
</tbody>
</table>

For Trays
Used with jig for plaques. 4 holding blocks to hold trays.

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Models GK, GK-V, IK-V</td>
</tr>
<tr>
<td>30-754-00</td>
</tr>
<tr>
<td>30-720-00</td>
</tr>
</tbody>
</table>

Machine Base Jigs

For Machine Models ITF-V, IR-V, IL, IL-K, ITF, IRX only

<table>
<thead>
<tr>
<th>For Nameplates</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; long for IL Models</td>
<td></td>
</tr>
<tr>
<td>30-761-01</td>
<td></td>
</tr>
<tr>
<td>6&quot; long for Models ITF and IRX</td>
<td></td>
</tr>
<tr>
<td>(machines starting with serial number 276300 and up), ITF-V, IR-V</td>
<td></td>
</tr>
<tr>
<td>30-752-00</td>
<td></td>
</tr>
<tr>
<td>6&quot; long for Models ITF</td>
<td></td>
</tr>
<tr>
<td>(machines with serial number up to 74251) and IRX</td>
<td></td>
</tr>
<tr>
<td>30-752-20</td>
<td></td>
</tr>
<tr>
<td>6&quot; long for Models ITF</td>
<td></td>
</tr>
<tr>
<td>(machines with serial number up to 276264)</td>
<td></td>
</tr>
<tr>
<td>30-752-20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For Thin Plates With Hold-Down Springs</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; long for Models ITF and IL (machines starting with serial number 276300 and up), ITF-V, IR-V</td>
<td></td>
</tr>
<tr>
<td>30-795-00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For Badges</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hold alligator, snap-bill and slip-on pocket badges. 3&quot; long for Models ITF-V, IR-V, IL, IL-K, ITF, IRX</td>
<td></td>
</tr>
<tr>
<td>30-712-45</td>
<td></td>
</tr>
</tbody>
</table>

Cones

For Cylindrical Objects

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 3½&quot;</td>
<td>30-802-01 *</td>
</tr>
<tr>
<td>Up to 3⅛&quot;</td>
<td>30-803-01 *</td>
</tr>
<tr>
<td>Up to 5&quot;</td>
<td>30-815-01</td>
</tr>
<tr>
<td>Up to 6&quot;</td>
<td>30-813-01</td>
</tr>
<tr>
<td>Up to 8&quot;</td>
<td>30-807-01 **</td>
</tr>
<tr>
<td>Up to 11¼&quot;</td>
<td>30-809-00 **</td>
</tr>
<tr>
<td>Up to 15&quot;</td>
<td>30-810-00 **</td>
</tr>
</tbody>
</table>

* These are the only size cones that can be used with models GT-M, IT-M

8" Bowl Adapter
This adapter increases the engraving capacity to include cups and bowls up to 8" in diameter.

| Part Number |
| 30-854-00 |

Modified diamond assembly for use with 8" Bowl Adapter (not required on model GTX-L, ITX-L)

| Part Number |
| 58-732-01 |

Auto-Indexing System
Designed for repetitive engraving of multi-letter work on cylindrical objects.

| Part Number |
| 36-050-00 |

Special Jigs & Cones can be designed for all your needs. For price and delivery information, send us a sample of the object to be engraved and specify the serial number of your machine.
Motor and Rotating Spindle Attachments

- A motor and rotating spindle mounted on your machine will allow you to control and vary both depth and width of cut while engraving on plastics and/or metals.
- Attachment supplied with:
  - Universal 115V motor with pulley and belt (220V motor available)
  - Motor bracket
  - Ball bearing spindle with automatic micrometer depth adjustment
  - 1 regulator nose with 187° clearance hole
  - 1 pair of jigs (30-767-00)
  - 1 rotating carbide cutter for plastic engraving (130° cutter point)
  - Cleaning brush
  - Cutter wrench
  - Allen wrench
  - Cutter holder
  - Practice material

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>19-101-00</td>
<td>11-008-00</td>
<td>12-011-24</td>
<td>10-550-00</td>
<td>17-550-00</td>
<td>15-008-23</td>
</tr>
</tbody>
</table>

Rubber Belts

<table>
<thead>
<tr>
<th>Machine Model</th>
<th>Length</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN-2, IM, IM-V, Motor Attachments for GN-2, GM, GM-V</td>
<td>19&quot;</td>
<td>30-218-00</td>
</tr>
<tr>
<td>IM-3, IK, IK-V, IL, IL-K, IRX, Motor Attachments for GM-3, GK, GK-V</td>
<td>23&quot;</td>
<td>30-215-00</td>
</tr>
<tr>
<td>IR or IRX-II beginning with serial numbers 275,000 up to 275,556</td>
<td>27&quot;</td>
<td>30-216-00</td>
</tr>
<tr>
<td>Cutter Grinder</td>
<td>18&quot;</td>
<td>30-214-00</td>
</tr>
<tr>
<td>Beveler B-4, B-3, B-2</td>
<td>9½&quot;</td>
<td>30-211-00</td>
</tr>
<tr>
<td>Beveler B-6</td>
<td>8&quot;</td>
<td>57-622-00</td>
</tr>
<tr>
<td>Sold in sets of 2 For Idler Arm Assembly Machines (IT-M, IR-V, IRX, IRX-K)</td>
<td></td>
<td>55-536-00</td>
</tr>
<tr>
<td>Cloth Belts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Motor Belts

Auxiliary Equipment

For Ring Engraving

RV-II Ring Engraver
Engraves the Inside of rings.
- Automatically centers ring in clamping jigs.
- Synchronized, one-step engraving and spacing
- Diamond insert for hand engraving effect.

Part Number 59-300-00

Depth Control Stop Assembly
For ease of operation in maintaining a constant depth on ring engraving.

Part Number 23-020-20

Copy Dials include letters & numbers

<table>
<thead>
<tr>
<th>MARY</th>
<th>G•B•R</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROBERT TO EVERETT</td>
<td></td>
</tr>
<tr>
<td>WITH LOVE ROBERT</td>
<td></td>
</tr>
<tr>
<td>CLEANER &amp; FRONT</td>
<td></td>
</tr>
</tbody>
</table>

Extended Gothic and Tilted Block (Standard with RV-II)
Part Number 35-207-00

Extra Condensed Block
Part Number 35-209-00

For 2-line Engraving
Part Number 35-210-00

Connecting Script Dial
Part Number 23-100-00

Jigs Set of 3
Part Number 59-384-00

Tracing Stylus
Part Number 59-051-30

Diamond Insert
Part Number 40-134-02
For Sharpening

Model CG-5 Cutter Grinder
Sharpen and maintains rotating cutters for precision engraving.
• Quick setting for angular and clearance uniformity.
• Universal Motor, 115V (220V available).
• Precision grinding with .001" micrometer adjustments.
• Cutter remains in grinder from start to finish.
• Interchangeable grinding wheels for carbide or high speed steel cutters.
• Repetitive grinding of angles and clearance without resetting.
• Grinds spherical cutters.
• Grinding wheel mounted on a ball bearing spindle and belt driven for vibration-free operation.
• Detailed instruction manual for easy mastery of operation.
• Standard equipment includes:
  - Diamond dresser.
  - Grinding wheel for high speed steel cutters.
  - Collet (choice of 1/8", 5/32", 1/4", or 5/16"). Please specify when ordering.

Diamond Dresser
For CG-5 Cutter Grinder and CG-4 Cutter Grinder

<table>
<thead>
<tr>
<th>Collet Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>30-274-00</td>
</tr>
<tr>
<td>11/64&quot;</td>
<td>30-275-00</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>30-276-00</td>
</tr>
<tr>
<td>5/32&quot;</td>
<td>30-277-00</td>
</tr>
</tbody>
</table>

Dressing stick for resin bound diamond wheel (CG-5 & CG-4)
1/4" 30-280-00

Grinding Wheels

<table>
<thead>
<tr>
<th>FOR CARBIDE CUTTERS</th>
<th>FOR HIGH SPEED STEEL CUTTERS</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 1/4&quot; carboronudum grinding wheel</td>
<td>30-271-00</td>
</tr>
<tr>
<td>2 1/4&quot; silicon carbide wheel for rough grinding</td>
<td>30-272-00</td>
<td></td>
</tr>
<tr>
<td>2 1/4&quot; resin bound diamond wheel</td>
<td>30-273-01</td>
<td></td>
</tr>
</tbody>
</table>

Grinder Collets

<table>
<thead>
<tr>
<th>Cutter Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>30-236-00</td>
</tr>
<tr>
<td>11/64&quot;</td>
<td>30-237-00</td>
</tr>
<tr>
<td>3/32&quot;</td>
<td>30-238-00</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>30-239-00</td>
</tr>
<tr>
<td>5/32&quot;</td>
<td>30-240-00</td>
</tr>
<tr>
<td>Taper shank adapter (to be used with 1/8&quot; collet)</td>
<td>30-241-00</td>
</tr>
</tbody>
</table>

For Cutting

New Hermes Safety Saw®
Patented table saw with built-in chip collection system for plastic fabricating.
• Heavy-duty steel frame and extra large table handle sheets up to 24" wide by 1/4" thick.
• Carbide-tipped saw blade.
• Chip and dust collecting system.
• Automatic width-of-cut adjustment for repetitive cutting.
• Calibrated adjustable bank for strips and nameplates.
• Thumb switch for quick on-off.

Table Shear with Safety Guard
Will cut nameplates, strips, panels.
• With clean edges.
• Cuts 12" wide by any length.
• Equipped with safety guard.

Carbide-tipped saw blade
Part Number 25-325-00

Shear for Metal
For cutting Engravers and Trophy Brass up to .025, Aluminum up to .040.

Shear for Plastic
For cutting flexible plastics such as Gravoply® Metallex® Gravoflex® up to 1/8". (Not for cutting phenolics or any other rigid plastic.)

Spare Blades

<table>
<thead>
<tr>
<th>Upper blade (plastic) (metal)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25-151-30</td>
</tr>
<tr>
<td></td>
<td>25-101-30</td>
</tr>
<tr>
<td>Lower blade (plastic &amp; metal)</td>
<td>Part Number</td>
</tr>
<tr>
<td></td>
<td>25-152-30</td>
</tr>
</tbody>
</table>

Part Number 52-400-00
For Beveling and Bending

**B-6 Beveler**
Heavy-duty industrial beveler engineered for continuous operation on virtually all material up to ¼" in thickness.
- Cutter spindle with shielded ball bearings and ¼" shank diameter cutter.
- Automatic corner rounding capability.
- Dual micrometer system for controlling depth, angle of beveling, and corner rounding.
- Built-in chip removal system for dust-free operation.
- Cutter guard to insure safe operation.

### ¾" Bevel and Border Cutters

<table>
<thead>
<tr>
<th>Application</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 30° angle</td>
<td>43-510-000</td>
</tr>
<tr>
<td>For 45° angle</td>
<td>43-511-000</td>
</tr>
<tr>
<td>Border cutter for all border widths from ½&quot; to ¾&quot;</td>
<td>43-512-250</td>
</tr>
</tbody>
</table>

**B-4 Beveler**
Portable beveler for small size plastic or metal sheets.
- Cutter spindle with shielded ball bearings and ⅛" shank diameter cutter.
- Built-in assembly for adjusting thickness of beveling.

### ⅛" Bevel and Border Cutters

<table>
<thead>
<tr>
<th>Application</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 30° angle</td>
<td>40-510-000</td>
</tr>
<tr>
<td>For 45° angle</td>
<td>40-511-000</td>
</tr>
<tr>
<td>Border cutter for all border widths from ½&quot; to ¾&quot;</td>
<td>40-512-000</td>
</tr>
</tbody>
</table>

**Strip Heater**
For bending all thermo-plastic materials into pocket badges, easels, etc.
- 18" long effective heating length of element.
- Heating element insulated from frame.
- Adjustable temperature control.
- Precision temperature indicator.
- Pilot light safety.
- Calibrated back stop simplifies parallel bends.
- Adapter for bending pocketbadges.

**Bending Fixture**
Designed to hold repetitive bends. Use for slip-on pocket badges or easel type signs and nameplates made of thermoplastic materials.
- Effective bending area of 18".
Engraving Aids

Foot Switch
To turn on the motor just when required at the touch of your foot.
Part Number 31-081-00

Cutter Holder
For storage of engraving cutters.
Part Number 47-005-00

Wrenches
On diamond insert, for replacement.
Part Number 31-202-00

Swivel Tray
Adjustable tray to mount on the posts of the machine so copy type and work material are readily accessible. Tray sold individually.

Lamp and Magnifier

- Eliminates glare from overhead lighting
- Magnifier attaches easily to lampshade and is ideal for close-up examination of engraving.

Lamp
Part Number 30-287-00

Magnifier
Part Number 30-294-00

Lamp & Magnifier Combination
Part Number 30-295-00

Mounting Clamp for Lamp: GM-3/IM-3, GT-M/IT-M
Part Number 55-546-20

C-Clamp #30-289-00 is required for Model GN-2/IN-2 when ordering lamp or lamp & magnifier combination.

Machine Stand
Allows operation in a comfortable sitting position.
- Equipped with 2 shelves for extra storage space.

For Models GTX, ITX, GT-V, IT-V
Part Number 30-360-00

For Models GTX-L, ITX-L
Part Number 58-500-00

Scoring Tool
Stock Number 25-050-00

For cutting thermoplastic materials.
- Heavy duty metal grip insures accurate scoring.
- 2 spare blades stored in handle.
Engraving Supplies

Engraver's Enamel
For filling engraving in metal and plastic. Available in ½ pint cans. Not recommended for use on Metallex, Gravoply II and gold and silver backed 2-Plex for reverse engraving.

<table>
<thead>
<tr>
<th>Color</th>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>30-450-31</td>
</tr>
<tr>
<td>Gold</td>
<td>30-450-32</td>
</tr>
<tr>
<td>Red</td>
<td>30-450-34</td>
</tr>
<tr>
<td>Black</td>
<td>30-450-35</td>
</tr>
<tr>
<td>Green</td>
<td>30-450-36</td>
</tr>
<tr>
<td>Blue</td>
<td>30-450-37</td>
</tr>
<tr>
<td>Yellow</td>
<td>30-450-38</td>
</tr>
</tbody>
</table>

Aloxide & Gravoxide
Both solutions induce a chemical reaction that permanently blackens engraved areas for a strong contrasting effect that makes engraving more legible. Apply with applicator, let dry, wipe surface clean.

<table>
<thead>
<tr>
<th>Product</th>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aloxide</td>
<td>30-406-01</td>
</tr>
<tr>
<td>Gravoxide</td>
<td>30-461-01</td>
</tr>
</tbody>
</table>

*Use on lacquered brass.
*Use on anodized aluminum

*Edges of brass badges should not be exposed to Gravoxide.

Engravicolor Sticks
For brushless color filling of plastics only. When ordering Engravicolor sticks separately, specify stock number and quantity for each color.

<table>
<thead>
<tr>
<th>Color</th>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>30-465-31</td>
</tr>
<tr>
<td>Gold</td>
<td>30-465-32</td>
</tr>
<tr>
<td>Silver</td>
<td>30-465-33</td>
</tr>
<tr>
<td>Red</td>
<td>30-465-34</td>
</tr>
<tr>
<td>Black</td>
<td>30-465-35</td>
</tr>
<tr>
<td>Green</td>
<td>30-465-36</td>
</tr>
<tr>
<td>Blue</td>
<td>30-465-37</td>
</tr>
<tr>
<td>Yellow</td>
<td>30-465-38</td>
</tr>
</tbody>
</table>

Pre-packed carton of 12 sticks
(3 each black and white, 1 each of other colors.)

Engravoline
Special engraving lubricant to prolong the life of cutting tools and produce a clean, smooth cut on hard metals. Prevents burrs. A must for engraving silver-finished brass name plates and badges.

<table>
<thead>
<tr>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-460-01</td>
</tr>
</tbody>
</table>

Tape
Cloth Tape for attaching individual master templates and copy type when layout requires. 1" x 25-yard roll.

<table>
<thead>
<tr>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-447-00</td>
</tr>
</tbody>
</table>

Engraving Supplies Kit
A specially prepared kit of assorted New Hermes Engraving Supplies for the new engraver or, for that matter, any engraver.
This kit includes:
1 Bottle Aloxide
1 Bottle Gravoxide
1 Can Engraver's Enamel (½ pint)
3 Engravicolor Sticks (assorted)

<table>
<thead>
<tr>
<th>Stock Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-612-00</td>
</tr>
</tbody>
</table>

For mounting tapes and glues for materials, refer to "New Hermes Materials and Accessories Catalog."
How to Select and Order Master Copy Type

Select the Suitable Engraving Process for Your Particular Needs:

The standard cutting instrument supplied with your Engravograph® is your first step in selecting the master copy type suitable for your engraving needs. Whether a new machine buyer or established engraver, both engraving processes listed can be done with your machine. Our machines have been designed for upgrading from diamond drag to rotary power or by purchasing a diamond graver for a rotary unit these engraving effects can be easily achieved.

Diamond drag engraving creates quality engraving comparable to hand engraving. The width of stroke created is constant and does not vary in depth. Diamond drag engraving is recommended for soft metals such as pewter, silver or gold, as well as other metals including stainless steel. It is ideal for engraving jewelry, silverware, trophies and awards.

Rotary engraving is a routing process utilizing a motor-driven rotating cutter to produce a clean, sharply defined character. The width of cut is determined by the cutter dimension. The depth of cut is controlled by the spindle micrometer setting. It is suitable for all types of commercial and industrial work. Unlike diamond drag engraving, rotary engraving is the only means in which to engrave plastic materials.

Select a Master Copy Type for Your Engraving Process:

All the Master Copy Type styles displayed in our catalog are particularly suited for either or both types of engraving described above. We have, therefore, identified the most appropriate use for each Master Copy Type style.

Master Copy Type styles marked with (*) are best suited for rotary engraving and Master Copy Type Styles marked with ♦ are recommended for diamond drag engraving.

Choose the Correct Copy Slide by Determining Blank Size and Type Size of Copy Type:

The type size determines the range of finished letter heights that can be engraved from a set of type. New Hermes Engravographs are equipped with multi-ratio pantographs and up to 26 different finished sizes can be reproduced from each Master Copy Type size.

Select the blank size that matches the width of your copy holding slide. Copy holding slides are available in four standard sizes: 3/8", 1 1/4", 2 3/4" (double grooved: with a slide converter, can be changed to two lines of 1 1/4" blanks) and 4 3/4". Other blank sizes fit our adjustable copy holding slides.

Selected Master Copy Type styles are available in various blank sizes and type sizes for reverse engraving.

Adjustable copy slide available for some machines for templates 4 1/2" and larger in blank size; eliminates affixing these templates to copy table with tape.

Refer to Page 9 for Copy Slides
Determine Type Size Selection from the Engraved Letter Heights

Determine the maximum and minimum engraved letter heights you are likely to engrave. Using the engraved letter size chart, select the type size that will yield the maximum engraved letter height with the largest pantograph ratio setting on your Engravograph (generally 2:1 or 2.5:1). Then select the type size that will yield the minimum engraved letter height with the smallest pantograph ratio setting on your Engravograph (either 7:1 or 8:1).

Once you have identified the type sizes needed, select the blank size that matches your copy holding slide width with the type style availability.

The chart below gives the finished engraved letter heights obtained from different type sizes at different ratio settings. The Pantograph system reduces the master copy in relation to the ratio used. For example: a ratio setting of 4:1 reduces the master copy to 1/4 of the original size. When purchasing master copy type please note the ratios available on your machine.

<table>
<thead>
<tr>
<th>TYPE SIZE</th>
<th>Pantograph Ratio Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5/16&quot;</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1½&quot;</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>2½&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>6&quot;</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

Refer to Page 10 for Cutter Selection

Determine the Master Copy Type Font Assortments in Relationship to Your Choice of Style:

Each Master Copy Type style is available in a particular font assortment. Refer to page 25 for the various assortments available. The font assortment determines the form of letters, numerals and punctuations included in the Master Copy Type set. For example, Cap Letters with 2/3 High Letters; Cap Letters with Lower Case Letters, Caps with Small Caps and Monogram Letters.

QuickType®

Some popular fonts are made in QuickType, which, due to its special shaped cut corners, allows quick setup and interchanging of individual letters from any part of the composition. Sets are marked with a Q.

Standard assortments of Master Copy Type are delivered in a durable plastic box; partitioned to insure easy selection and storage of individual characters of type. Replacement boxes are available.
FOR COMMERCIAL AND INDUSTRIAL WORK WITH ROTARY ENGRAVING

**Visual Chart of Engraved Letter Heights of Type Sizes and Ratios**

Different type sizes and Pantograph ratio settings yield different letter heights. The letter thickness depends on the cutter tip size selected. Remember to use the proper tip size for the letter height desired. The tip sizes indicated below give you an indication of just how important the tip size of the cutter is in relationship to the finished engraved letter.

<table>
<thead>
<tr>
<th>Type Size</th>
<th>Ratio: 8:1</th>
<th>Ratio: 7:1</th>
<th>Ratio: 6:1</th>
<th>Ratio: 2½:1</th>
<th>Ratio: 2:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/16&quot;</td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>1&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>1½&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>2&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>4&quot;</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
</tbody>
</table>

Intermediate widths available.

Actual overall size will be 1/8" plus cutter width.
### Visual Chart of Popular Styles and Sizes

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type Size</th>
<th>7:1</th>
<th>6:1</th>
<th>5:1</th>
<th>4:1</th>
<th>3:1</th>
<th>2½:1</th>
<th>2:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-310</td>
<td>5/8&quot;</td>
<td>Richard 5/64&quot;</td>
<td>Richard 7/64&quot;</td>
<td>Richard 1/8&quot;</td>
<td>Richard 5/32&quot;</td>
<td>Richard 13/64&quot;</td>
<td>Richard 1/4&quot;</td>
<td>Richard 5/16&quot;</td>
</tr>
<tr>
<td>35-320</td>
<td>1&quot;</td>
<td>MEL 9/64&quot;</td>
<td>MEL 11/64&quot;</td>
<td>MEL 13/64&quot;</td>
<td>MEL 1/4&quot;</td>
<td>MEL 21/64&quot;</td>
<td>MEL 13/32&quot;</td>
<td>MEL 1/2&quot;</td>
</tr>
<tr>
<td>35-335</td>
<td>3/8&quot;</td>
<td>Evelyn .05&quot;</td>
<td>Evelyn .06&quot;</td>
<td>Evelyn .07&quot;</td>
<td>Evelyn 3/32&quot;</td>
<td>Evelyn 9/64&quot;</td>
<td>Evelyn 5/32&quot;</td>
<td>Evelyn 13/64&quot;</td>
</tr>
<tr>
<td>35-331</td>
<td>2&quot;</td>
<td>B 9/32&quot;</td>
<td>B 21/64&quot;</td>
<td>B 13/32&quot;</td>
<td>B 1/2&quot;</td>
<td>B 21/32&quot;</td>
<td>B 13/16&quot;</td>
<td>B 1&quot;</td>
</tr>
<tr>
<td>35-355</td>
<td>1-1/2&quot;</td>
<td>7/32&quot;</td>
<td>1/4&quot;</td>
<td>5/16&quot;</td>
<td>13/32&quot;</td>
<td>17/32&quot;</td>
<td>5/8&quot;</td>
<td>25/32&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type Size</th>
<th>7:1</th>
<th>2½:1</th>
<th>2:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-327</td>
<td>2&quot;</td>
<td>PEGGY</td>
<td>PEGGY</td>
<td>PEGGY</td>
</tr>
<tr>
<td>35-354</td>
<td>2½&quot;</td>
<td>RBA</td>
<td>RBA</td>
<td>RBA</td>
</tr>
</tbody>
</table>
Ordering Master Copy Type

**BEFORE ORDERING**

Once you have followed the previous steps in selecting your copy type, the final step is ordering. Besides the style and assortment choices to be made, please note the following important information and reminders:

- When choosing copy type the largest size finished letter that will be produced is approximately 1/2 the size of the type size of the copy type.
- Should you require the exact size engraved as that of the type size, a 1:1 pantograph is available for some machines.
- Remember to match slides and copy type blank sizes.
- For rotary engraving, order the appropriate cutter tip sizes for the range of work possible from the type style chosen.
- To produce wider lettering than the maximum tip size available for your model machine, multi line type fonts avail you the wider stroke letters by completely routing out the letter. The cutter tip size used in multi line routing should be chosen in relationship to routing out the distance between lines not the widest tip available for your cutter shank. If using the widest tip in routing the detail of the lettering will not be achieved. In addition, multi line lettering should be engraved from the inside outward. Multi line lettering can also be used as an outline and produces square corners in the finished engraving.

- Prolong the life of your copy type with a constantly sharpened or new stylus.
- Standard assortments are furnished in durable plastic boxes. Supplemental assortments are sent in durable cardboard boxes.
- Additional plastic type boxes may be purchased.
- Replacement of worn type will improve on your engraving results.
- Assortment choice is a vital decision to be determined after choosing the appropriate style to suit your engraving needs. Whether choosing type for the first time or adding to your existing styles of type remember variety of styles opens new markets.
- Although additional individual pieces of type can be ordered, it is recommended that you consider a supplemental assortment. Check the quantity of letters available in the supplemental assortment and your requirements. Individual letters ordered at branch locations are normally forwarded to New York for processing. Your style # is found on a tab on the copy type box or you may furnish us with a piece of type which will be returned to you or a pencil rubbing of the letter. Simplify your setups and expenditures with a supplemental assortment.
- To assist in delineating the punctuation marks available in the different assortments and for ordering, the following chart represents our name for these punctuation marks:

**SPACERS**

Spacers are determined by the blank size of the type style. Blank spacers for type styles are available for replacement or as an addition to those furnished in the style assortments (see Page 25). When ordering spacers if the type style is Quick-type please indicate.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Width of Spacer</th>
<th>Blank Size of Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-920-00</td>
<td>1/16&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>35-921-00</td>
<td>1/8&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>35-922-00</td>
<td>3/32&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>35-925-00</td>
<td>1/8&quot;</td>
<td>11/4&quot;</td>
</tr>
<tr>
<td>35-926-00</td>
<td>1/4&quot;</td>
<td>11/4&quot;</td>
</tr>
<tr>
<td>35-927-00</td>
<td>3/16&quot;</td>
<td>11/4&quot;</td>
</tr>
<tr>
<td>35-930-00</td>
<td>1/8&quot;</td>
<td>21/4&quot;</td>
</tr>
<tr>
<td>35-931-00</td>
<td>1/4&quot;</td>
<td>21/4&quot;</td>
</tr>
<tr>
<td>35-932-00</td>
<td>3/16&quot;</td>
<td>41/4&quot;</td>
</tr>
<tr>
<td>35-935-00</td>
<td>1/4&quot;</td>
<td>41/4&quot;</td>
</tr>
</tbody>
</table>

For spacer widths not indicated you may fashion your own from Beveled Strips of Brass. See pg. 38.

**PUNCTUATION MARKS**

Where there is a right and left punctuation, please indicate choice when ordering.
<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 03</strong> CAPS</td>
</tr>
<tr>
<td>AAAAA BBBB CCC DDDD EEEE FFFF GGGG HHHH IIIII</td>
</tr>
<tr>
<td>JJJKKK LLLL MMMM NNNNN OOOOO PPPP Q RRRR SSSS TTTT UUUU VVVV WWW WW YYY ZZ</td>
</tr>
<tr>
<td><strong>5/8 HIGH LETTERS</strong></td>
</tr>
<tr>
<td>m Ac</td>
</tr>
<tr>
<td>1223344556677889900</td>
</tr>
<tr>
<td>&amp; ; ; ; ; ; ; ; ; ; ; --</td>
</tr>
<tr>
<td>30 Spacers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 04</strong> CAPS</td>
</tr>
<tr>
<td>AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VVV WWW WW X Y Y Z</td>
</tr>
<tr>
<td><strong>5/8 SMALL CAPS</strong></td>
</tr>
<tr>
<td>AAAAA BBBB CCC DDDD EEEE FFFF GGGG HHHH IIIII</td>
</tr>
<tr>
<td>JJJKKK LLLL MMMM NNNNN OOOOO PPPP Q RRRR SSSS TTTT UUUU VVVV WWW WW YYY ZZ</td>
</tr>
<tr>
<td><strong>5/8 HIGH LETTERS</strong></td>
</tr>
<tr>
<td>m Ac</td>
</tr>
<tr>
<td>1223344556677889900</td>
</tr>
<tr>
<td>&amp; ; ; ; ; ; ; ; ; ; ; --</td>
</tr>
<tr>
<td>30 Spacers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 05</strong> CAPS</td>
</tr>
<tr>
<td>AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VVV WWW WW X Y Y Z</td>
</tr>
<tr>
<td><strong>5/8 SMALL CAPS</strong></td>
</tr>
<tr>
<td>AAAAA BBBB CCC DDDD EEEE FFFF GGGG HHHH IIIII</td>
</tr>
<tr>
<td>JJJKKK LLLL MMMM NNNNN OOOOO PPPP Q RRRR SSSS TTTT UUUU VVVV WWW WW YYY ZZ</td>
</tr>
<tr>
<td><strong>5/8 HIGH LETTERS</strong></td>
</tr>
<tr>
<td>m Ac</td>
</tr>
<tr>
<td>1223344556677889900</td>
</tr>
<tr>
<td>&amp; ; ; ; ; ; ; ; ; ; ; --</td>
</tr>
<tr>
<td>30 Spacers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 07</strong> CAPS</td>
</tr>
<tr>
<td>AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VVV WWW WW X Y Y Z</td>
</tr>
<tr>
<td><strong>5/8 HIGH LETTERS</strong></td>
</tr>
<tr>
<td>m Ac</td>
</tr>
<tr>
<td>1223344556677889900</td>
</tr>
<tr>
<td>&amp; ; ; ; ; ; ; ; ; ; ; --</td>
</tr>
<tr>
<td>20 Spacers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 09</strong> CAPS</td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNQPRSTUVWXYZ</td>
</tr>
<tr>
<td><strong>2 Center periods</strong></td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNQPRSTUVWXYZ</td>
</tr>
<tr>
<td><strong>20 Spacers</strong></td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNQPRSTUVWXYZ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 11</strong> CAPS</td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNOPQRSTUVWXYZ</td>
</tr>
<tr>
<td><strong>LOWER CASE</strong></td>
</tr>
<tr>
<td>aabbcdddeeffggghhiiijjkkllmmnnooppqqrrssttuuvvwxxyz</td>
</tr>
<tr>
<td>&amp; ; ; ; ; ; ; ; ; ; ; --</td>
</tr>
<tr>
<td>20 Spacers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Font Assortments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STD 12</strong> CAPS</td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNOPQRSTUVWXYZ</td>
</tr>
<tr>
<td><strong>2 Center periods</strong></td>
</tr>
<tr>
<td>AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VVV WWW WW X Y Y Z</td>
</tr>
</tbody>
</table>

Sets of Master Copy Type on 21/4 blanks are supplied with 20 spacers.

Font includes some 5/8 high single alphabet letters for words such as Mac etc.

Font includes high "c" for alternate form of M".

Includes 26 Left, 26 Center, 26 Right and 2 Center Periods.
# Master Copy Type Styles

Type faces marked with a ® available in Quick Type

- The inserts labeled "Mastercopy" represent the various type styles engraved at the same ratio setting. The purpose of these inserts is to compare the type styles from the point of view of letter spacing and size.
- When some styles appear the same in type and blank size, it is the assortment that is the main difference. These font assortments have been bold faced.
- Type sizes have been shaded in grey. Blank size represents total size of brass and corresponding size of copy slide required.

## Sans Serif Styles

### Regular Block

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-003</td>
<td>STD-01 SUP-15</td>
<td>5/8&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>35-004</td>
<td>STD-01 SUP-15</td>
<td>5/8&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-005</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-006</td>
<td>STD-01 SUP-15</td>
<td>1¾&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-007</td>
<td>STD-01 SUP-15</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
<tr>
<td>35-008</td>
<td>STD-07 SUP-18</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-009</td>
<td>STD-07</td>
<td>4&quot;</td>
<td>4½&quot;</td>
</tr>
</tbody>
</table>

### Condensed Block

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-015</td>
<td>STD-01 SUP-15</td>
<td>5/16&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>35-016</td>
<td>STD-01 SUP-15</td>
<td>5/16&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-017</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>35-018</td>
<td>STD-01 SUP-15</td>
<td>5/8&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>35-019</td>
<td>STD-01 SUP-15</td>
<td>5/8&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-020</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-021</td>
<td>STD-01 SUP-15</td>
<td>1¾&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-022</td>
<td>STD-01 SUP-15</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
<tr>
<td>35-023</td>
<td>STD-07 SUP-18</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-024</td>
<td>STD-07</td>
<td>4&quot;</td>
<td>4½&quot;</td>
</tr>
</tbody>
</table>

*Font for reverse engraving

### Condensed Block - Caps and Lower Case Assortments

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-030</td>
<td>STD-03 SUP-16</td>
<td>5/8&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-031</td>
<td>STD-03 SUP-16</td>
<td>1½&quot;</td>
<td>2¾&quot;</td>
</tr>
</tbody>
</table>

*For Bowling Ball Machine

### Extra Condensed Block

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-042</td>
<td>STD-01 SUP-15</td>
<td>5/8&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-044</td>
<td>STD-01 SUP-15</td>
<td>1½&quot;</td>
<td>2⅛&quot;</td>
</tr>
<tr>
<td>35-046</td>
<td>STD-07 SUP-18</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
</tbody>
</table>
### Mastercopy

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-072</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>35-068</td>
<td>STD-03 SUP-16</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
<tr>
<td>35-079</td>
<td>STD-01 SUP-15</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
<tr>
<td>35-732*</td>
<td>STD-03 SUP-16</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
</tbody>
</table>

*Font for reverse engraving

### Helvetica Light

A Lighter Stroke  
Version of Helvetica

### Futura

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-050</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>1⅛&quot;</td>
</tr>
<tr>
<td>35-053</td>
<td>STD-01 SUP-15</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
</tbody>
</table>

### Contemporary

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-056</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>1⅛&quot;</td>
</tr>
<tr>
<td>35-058</td>
<td>STD-07 SUP-18</td>
<td>2⅛&quot;</td>
<td>2⅛&quot;</td>
</tr>
</tbody>
</table>

### Microgramma

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-074</td>
<td>STD-01 SUP-15</td>
<td>1&quot;</td>
<td>1⅛&quot;</td>
</tr>
</tbody>
</table>

### Optima

<table>
<thead>
<tr>
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<th>FONT</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-077</td>
<td>STD-03</td>
<td>2&quot;</td>
<td>2⅛&quot;</td>
</tr>
</tbody>
</table>

Multiline Copy Type — Can be used as an outline-multiline letter or completely routed, with square corners.
Double Line Block

MASTERCOPY

ABCDEFHGIJKLMNOPQRSTUVWXYZ

WXYZ ABCDEFHGIJKLMNOPQRSTUVWXYZ

TUVWXYZ 0123456789

Extended Block

MASTERCOPY

ABCDEFHGIJKLMNOPQRSTUVWXYZ

RSTUVWXYZ 0123456789

Serif Styles

Roman

MASTERCOPY

ABCDEFHGIJKLMNOPQRSTUVWXYZ

0123456789

Triple Line Roman Condensed

MASTERCOPY

ABCDEFHGIJKLMNOPQRSTUVWXYZ

STUVWXYZ 0123456789

Triple Line Roman Extended

MASTERCOPY

ABCDEFHGIJKLMNOPQRSTUVWXYZ

STUVWXYZ 0123456789

Recommended for pen engraving.
Double Line Century

Mastercopy

ABCDFGHIJKLMNOPQRSTUVWXYZ
abcdefgijklmnopqrstuvwxyz 0123456789

Double Line Century Extended

MASTERCOPY

ABCDFGHIJKLMNOPQRSTUVWXYZ 0123456789

Double Line Block

MASTERCOPY

ABCDFGHIJKLMNOPQRSTUVWXYZ
abcdefgijklmnopqrstuvwxyz 0123456789

Tilted Block

MASTERCOPY

ABCDFGHIJKLMNOPQRSTUVWXYZ 0123456789

Craw Clarendon

Mastercopy

ABCDFGHIJKLMNOPQRSTUVWXYZ
abcdefgijklmnopqrstuvwxyz 0123456789

Fifth Avenue

MASTERCOPY

ABCDFGHIJKLMNOPQRSTUVWXYZ
abcdefgijklmnopqrstuvwxyz 0123456789
# Script Styles

## Miniature Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-335</td>
<td>STD-03 SUP-16</td>
<td>3/8&quot;</td>
<td>1 1/8&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789

## Upright Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-339</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/8&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G I H J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789

## Single Line Connecting Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-336</td>
<td>STD-03 SUP-16</td>
<td>1&quot;</td>
<td>1 1/8&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789

## Double Line Connecting Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-337</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/8&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789

## Double Line Ornate Connecting Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-344</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/8&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789

## Single Line Script

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-346</td>
<td>STD-03 SUP-16</td>
<td>2&quot;</td>
<td>2 1/4&quot;</td>
</tr>
<tr>
<td>35-733</td>
<td>STD-03 REVERSE</td>
<td>2&quot;</td>
<td>2 1/4&quot;</td>
</tr>
</tbody>
</table>

**Mastercopy**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
abcdefg hijklmnopqrstuvwxyz 0123456789
### Cursive Styles

<table>
<thead>
<tr>
<th>Cursive  ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mastercopy</strong></td>
<td>35-306</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td>A-Z</td>
<td>a-z</td>
<td>0-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>abcdefghijklmnopqrstuvwxyz0123456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Victoria ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mastercopy</strong></td>
<td>35-342</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td>A-Z</td>
<td>a-z</td>
<td>0-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>abcdefghijklmnopqrstuvwxyz0123456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ornate Styles

#### Old English ♦ ♦

<table>
<thead>
<tr>
<th>Old English ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mastercopy</strong></td>
<td>35-330</td>
<td>STD-03 SUP-16</td>
<td>3/4&quot;</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td>2 LINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35-331</td>
<td>STD-11</td>
<td>2&quot;</td>
<td>2 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>3 LINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Ornamental Old English ♦ ♦

<table>
<thead>
<tr>
<th>Ornamental Old English ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Z</td>
<td>a-z</td>
<td>0-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNOPQRSTUVWXYZ</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35-364</td>
<td>STD-09</td>
<td>2 1/2&quot;</td>
<td>2 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>5 LINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35-353</td>
<td>STD-09</td>
<td>4&quot;</td>
<td>4 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>5 LINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Ornamental Block ♦ ♦

<table>
<thead>
<tr>
<th>Ornamental Block ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Z</td>
<td>a-z</td>
<td>0-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ABCDEFGHIJKLMNOPQRSTUVWXYZ</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35-363</td>
<td>STD-09</td>
<td>4&quot;</td>
<td>4 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>10 LINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Parisian ♦ ♦

<table>
<thead>
<tr>
<th>Parisian ♦ ♦</th>
<th>STOCK NO.</th>
<th>FONT ASS'T</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mastercopy</strong></td>
<td>35-327</td>
<td>STD-12</td>
<td>2&quot;</td>
<td>2 1/4&quot;</td>
</tr>
<tr>
<td>A-Z</td>
<td>a-z</td>
<td>0-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>abcdefghijklmnopqrstuvwxyz0123456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Monogram Styles

## Oval Monogram

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-086-14</td>
<td>26 Left 26 Right</td>
<td>1⅛&quot;</td>
<td>2¼&quot;</td>
</tr>
</tbody>
</table>

## Interlocking Monogram

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-355*1</td>
<td>STD-13</td>
<td>1⅛&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-356*1</td>
<td>STD-13</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
</tbody>
</table>

*Can be used for individual lettering

## Circle Monogram

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-359*2</td>
<td>STD-13</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
<tr>
<td>35-354*3</td>
<td>STD-13</td>
<td>1&quot;</td>
<td>1⅛&quot;</td>
</tr>
</tbody>
</table>

*Can be used for individual lettering

## Script Monogram

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-362*2</td>
<td>STD-13</td>
<td>2&quot;</td>
<td>2¼&quot;</td>
</tr>
</tbody>
</table>

*Recommended for use with Glass Machine

## Diamond Monogram

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-360*3</td>
<td>STD-13</td>
<td>2½&quot;</td>
<td>2¼&quot;</td>
</tr>
</tbody>
</table>

*Recommended for use with Glass Machine
### Vertical Type

Designed for **flatware** and other types of vertical engraving requirements.

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-366*</td>
<td>STD-09</td>
<td>1¾”</td>
<td>2¾”</td>
</tr>
</tbody>
</table>

*Characters beveled on all sides for vertical and horizontal engraving.

#### Vertical Script
![Vertical Script]

#### Vertical Old English
![Vertical Old English]

#### Vertical Block For Initialling
![Vertical Block For Initialling]

<table>
<thead>
<tr>
<th>STOCK NO.</th>
<th>FONT ASST</th>
<th>TYPE SIZE</th>
<th>BLANK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-368</td>
<td>STD-12</td>
<td>¾”</td>
<td>1¼”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foreign Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arabic</strong></td>
</tr>
<tr>
<td>لايقذف</td>
</tr>
<tr>
<td>35-111-14</td>
</tr>
<tr>
<td>35-106-14</td>
</tr>
</tbody>
</table>

| Hebrew |
| "םומּוֹסְעָמוָּזְוֲָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָךְְָ�|

| Hebrew |
| 35-103-14  | 59 Char. | 5/8”     | 1¼”        |
| 35-107-14  | 87 Char. | 3/4”     | 1¼”        |
| 35-108-14  | 87 Char. | 2”       | 2¾”        |

| Greek |
| ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΤΦΧΨΩ |
| 35-100-14  | 24 Char. | 5/8”     | 1¼”        |
| 35-101-14  | 24 Char. | 2¾”      | 2¾”        |

| Russian |
| АБВГДЕЖЗИЙИКЛМНОПРСТУФХЦЩЪЫЬЭЮЯ |
| 35-109-14 | 99 Char. | 3/4”     | 1¼”        |

*Other foreign languages (French, Spanish, German etc.): select master copy type style and ask for quotation for special corresponding characters.*
Brass Master Templates

Special Occasion ♦ ♦

Make it a gift to remember enhanced with sentiment and beauty. Especially suited for the New Hermes Engravables® gift line; some templates are even great decoratives for optical work.

- Christmas
- Valentine's Day
- Wedding
- Graduation
- Retirement
- Father's Day
- Birthday
- Sweet Sixteen
- Mother's Day

Combination of Five or Priced Each

<table>
<thead>
<tr>
<th>Template</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butterfly</td>
<td>35-171-00</td>
</tr>
<tr>
<td>Merry Christmas</td>
<td>35-173-00</td>
</tr>
<tr>
<td>To the Fairest</td>
<td>35-185-00</td>
</tr>
<tr>
<td>High Score</td>
<td>35-188-00</td>
</tr>
<tr>
<td>Congratulations</td>
<td>35-189-00</td>
</tr>
<tr>
<td>Happy Valentine</td>
<td>35-190-00</td>
</tr>
<tr>
<td>Merry Christmas</td>
<td>35-584-00</td>
</tr>
<tr>
<td>To the Fairest</td>
<td>35-586-00</td>
</tr>
<tr>
<td>Dearest Mother</td>
<td>35-587-00</td>
</tr>
<tr>
<td>Your Graduation</td>
<td>35-588-00</td>
</tr>
<tr>
<td>Birthday</td>
<td>35-589-00</td>
</tr>
<tr>
<td>Happy Birthday</td>
<td>35-590-00</td>
</tr>
<tr>
<td>Happy Anniversary</td>
<td>35-591-00</td>
</tr>
<tr>
<td>Best Wishes</td>
<td>35-592-00</td>
</tr>
<tr>
<td>In Appreciation of</td>
<td>35-594-00</td>
</tr>
<tr>
<td>Presented</td>
<td>35-596-00</td>
</tr>
<tr>
<td>Tournament</td>
<td>35-623-00</td>
</tr>
<tr>
<td>Hi-Game</td>
<td>35-630-00</td>
</tr>
</tbody>
</table>

Templates are engraved on 2¼" blank size. Illustration shows finished engraved size with ratio setting 5:1.

Time Savers ♦ ♦

Enables the trophy and award engraver quick repeat set-ups—a real copy type and time saver!

Priced Each

Engraved on individual strips of beveled brass, for type styles indicated in bold face:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type Size</th>
<th>Blank Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-017-20</td>
<td>¼&quot;</td>
<td>⅛&quot;</td>
</tr>
<tr>
<td>35-018-20</td>
<td>⅛&quot;</td>
<td>⅛&quot;</td>
</tr>
<tr>
<td>35-380-20</td>
<td>⅛&quot;</td>
<td>⅛&quot;</td>
</tr>
<tr>
<td>35-311-20</td>
<td>⅛&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-313-20</td>
<td>⅛&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>35-319-20</td>
<td>1&quot;</td>
<td>1¼&quot;</td>
</tr>
</tbody>
</table>

Please order using stock number and word.
Sport  
Give that trophy or prize added dimension

![Icons of various sports](image)

<table>
<thead>
<tr>
<th>35-511-00</th>
<th>35-509-00</th>
<th>35-533-00</th>
<th>35-542-00</th>
<th>35-546-00</th>
<th>35-545-00</th>
</tr>
</thead>
</table>

Also available, 35-512-00 Female Golfer (not shown)

Templates are engraved on 2⅛" blank size. Illustration shows finished engraved size with ratio setting 5:1.

Greetings  
Use these lines to add value and that personal touch to your badge work. Takes the place of a logo.

*HELLO MY NAME IS...*  
No. 35-113-00

*HAVE A NICE DAY*  
No. 35-114-00

*MAY I HELP YOU?*  
No. 35-118-00

*Both lines or single line may be used

Templates are engraved on 2½" blank size.

Shapes  
Add circles, squares and triangles to your signwork. Or create your own shapes and designs.

Outside diameter 6" with increments of ¼"
48 Concentric Circles from 0–6"
No. 35-202-00

6" height with increments of ¼"
No. 35-219-00

<table>
<thead>
<tr>
<th>Combination of Five or Priced Each</th>
</tr>
</thead>
</table>

Priced Each
Signs Of The Zodiac

One picture worth a thousand words suitable for acrylics, keychains, whatever . . .

Sets of Twelve

Set No. 35-652-00

Set No. 35-615-00

**Reverse masters are available for engraving 2-Plex and acrylic key tags. Ask for quotation.

Ornamentals

Adds the final touch and enhances the beauty of the engraved item. Especially helpful on correcting some engraving work in diminishing imperfections.

Combination of Five or Priced Each

No. 35-627-00
No. 35-628-00
No. 35-629-00
No. 35-617-00
No. 35-625-00
No. 35-632-00
No. 35-633-00
No. 35-634-00

Templates are engraved on 2¼" blank size. Illustration shows finished engraved size with ratio setting 5:1.

No. 35-637-00 on 1¼" blank

No. 35-638-00 on 5/8" blank

No. 35-639-00 on 1¼" blank

No. 35-624-00 on 4¼" brass blank
Fraternal Insignias

Complete that badge, trophy or award with these honored insignias.

<table>
<thead>
<tr>
<th>Combination of Five or Priced Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 35-400-00 32nd Degree Mason</td>
</tr>
<tr>
<td>No. 35-404-00 Eastern Star</td>
</tr>
<tr>
<td>No. 35-416-00 Shriners</td>
</tr>
<tr>
<td>No. 35-401-00 Fraternal Orders Eagles</td>
</tr>
<tr>
<td>No. 35-405-00 Kiwanis International</td>
</tr>
<tr>
<td>No. 35-409-00 Knights of Columbus</td>
</tr>
<tr>
<td>No. 35-417-00 Grand Masters</td>
</tr>
<tr>
<td>No. 35-402-00 Masons</td>
</tr>
<tr>
<td>No. 35-410-00 Elks</td>
</tr>
<tr>
<td>No. 35-419-00 Boy Scouts</td>
</tr>
<tr>
<td>No. 35-403-00 Loyal Order of Moose</td>
</tr>
<tr>
<td>No. 35-407-00 Rotary International</td>
</tr>
<tr>
<td>No. 35-411-00 Maltese Cross</td>
</tr>
<tr>
<td>No. 35-420-00 Jaycees</td>
</tr>
</tbody>
</table>

Templates are engraved on 2\(\frac{1}{2}\)\text{"} blank size. Illustration shows finished engraved size with ratio setting 5:1.

Military Insignias

Proudly worn on any engraved item.

<table>
<thead>
<tr>
<th>Combination of Five or Priced Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 35-560-00 U.S. Coast Guard</td>
</tr>
<tr>
<td>No. 35-561-00 U.S. Navy</td>
</tr>
<tr>
<td>No. 35-562-00 U.S. Air Force</td>
</tr>
<tr>
<td>No. 35-563-00 U.S. Navy Pilot</td>
</tr>
<tr>
<td>No. 35-566-00 Submarines</td>
</tr>
<tr>
<td>No. 35-575-00 Parachute Troops</td>
</tr>
<tr>
<td>No. 35-577-00 Caduceus</td>
</tr>
<tr>
<td>No. 35-567-00 U.S. Navy Enlisted</td>
</tr>
<tr>
<td>No. 35-569-00 U.S. Air Force Pilot</td>
</tr>
<tr>
<td>No. 35-570-00 Corps of Engineers</td>
</tr>
<tr>
<td>No. 35-571-00 Medical Corps</td>
</tr>
<tr>
<td>No. 35-573-00 U.S. Marine Corps</td>
</tr>
<tr>
<td>No. 35-574-00 U.S. Army Aviator</td>
</tr>
</tbody>
</table>

Templates are engraved on 2\(\frac{1}{4}\)\text{"} blank size. Illustration shows finished engraved size with ratio setting 5:1.

Religious

Add the personal touch to cherished religious articles.

<table>
<thead>
<tr>
<th>Priced Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 35-551-00</td>
</tr>
<tr>
<td>No. 35-554-00</td>
</tr>
<tr>
<td>No. 35-578-00</td>
</tr>
</tbody>
</table>

Templates are engraved on 2\(\frac{1}{4}\)\text{"} blank size. Illustration shows finished engraved size with ratio setting 5:1.
International Symbols
Recognized the world over. A must for the signage engraver.

All templates are designed to meet the standards adopted by the U.S. Department of Transportation. Other symbols can be custom made. Ask for quotation.

<table>
<thead>
<tr>
<th>Template Size</th>
<th>Blank Size</th>
<th>Part No.</th>
<th>Template Size</th>
<th>Blank Size</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women—4'</td>
<td>4½&quot;</td>
<td>35-450-00</td>
<td>Handicapped—4&quot;</td>
<td>4½&quot;</td>
<td>35-452-00</td>
</tr>
<tr>
<td>Women—8&quot;</td>
<td>10&quot;</td>
<td>35-464-00</td>
<td>Handicapped—8&quot;</td>
<td>10&quot;</td>
<td>35-466-00</td>
</tr>
<tr>
<td>Men—4&quot;</td>
<td>4½&quot;</td>
<td>35-451-00</td>
<td>No Smoking—4&quot;</td>
<td>4½&quot;</td>
<td>35-453-00</td>
</tr>
<tr>
<td>Men—8&quot;</td>
<td>10&quot;</td>
<td>35-465-00</td>
<td>No Smoking—8&quot;</td>
<td>10&quot;</td>
<td>35-467-00</td>
</tr>
</tbody>
</table>

For either outline engraving or complete routing.

Directionals
Designed for varied applications of building signage.

<table>
<thead>
<tr>
<th>Template Size</th>
<th>Blank Size</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Arrows 2½&quot;</td>
<td>2½&quot;</td>
<td>35-124-00</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>2½&quot;</td>
<td>35-127-00</td>
</tr>
<tr>
<td>4&quot;</td>
<td>4½&quot;</td>
<td>35-128-00</td>
</tr>
<tr>
<td>EXIT Template</td>
<td>12&quot; x 16&quot;</td>
<td>35-125-00</td>
</tr>
<tr>
<td>Arrow Template</td>
<td>2½&quot;</td>
<td>35-122-00</td>
</tr>
</tbody>
</table>

Universal Switch Indicator
Especially adapted for electronic switches and other standard selector switches.

Part No.  | Priced Each
---|---
35-126-00   |

Length of radial lines —4½" x 15° apart.
Size of Numerals—½".
Overall size of template —12" x 7".

Fractions
No need to round off numbers. Useful on pound and length. For engineering work, baby gifts, discount signs, school projects.

\[
\frac{1}{32} \quad 3/8 \quad 3/4
\]
\[
\frac{1}{16} \quad 5/8 \quad 1/2
\]
\[
\frac{1}{8} \quad 1/4 =
\]

Complete Sets

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type Size</th>
<th>Blank Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-115-20</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>35-117-20</td>
<td>1/8&quot;</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

For use with Regular or Condensed Block Type.

Beveled Strips of Brass
These beveled strips of brass fit dovetail copy slides and are used for producing your own templates with our special application master cutter which creates the corresponding groove to match your tracing stylus. Or if you prefer, you can use these strips to fashion your own desired sized spacers besides our standard sized spacers of ⅛", ⅝" and ¼".

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-900-00</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>35-905-00</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>35-910-00</td>
<td>2/16&quot;</td>
</tr>
<tr>
<td>35-915-00</td>
<td>4/16&quot;</td>
</tr>
</tbody>
</table>

Beveled to fit your copy slide. Sold in 1 foot length.
Engraving Fixtures

JC-4 Circular Engraving Fixture
Circular engraving for flat round items such as watches, disks, charms etc.

- Patented JC-4 Fixture to fit in 2¾" double-grooved copy holding slide, including dial with ½" block letters and numerals (35-203-00).
- Standard dial engraved on both sides for opposite positioning.
- Extra dial with ¾" ornate block letters and numerals (35-204-00). Letters are positioned on top half; numbers are positioned on bottom half of dial.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JC-4</td>
<td>35-254-04</td>
</tr>
<tr>
<td>block dial</td>
<td>35-203-00</td>
</tr>
<tr>
<td>Ornate dial</td>
<td>35-204-00</td>
</tr>
</tbody>
</table>

Serial Numbering Fixture
Ideal for quick setup of consecutive numbering.

Fixure to fit in 2¾" double-grooved copy holding slide, including 20 numerals and 2 numbering dials with a choice of either ¾" or ⅞" high numbers.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-251-22</td>
<td>⅞&quot;</td>
</tr>
<tr>
<td>35-252-22</td>
<td>¾&quot;</td>
</tr>
</tbody>
</table>

Master Copy Dial
For circular engraving... yields larger diameter than JC-4.
Can be used on copy table or with Master Copy Dial Holder No. 35-250-00
Diameter of dial 7¾" Center hole ½" Engraved as illustrated Condensed block type ¾" high

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial</td>
</tr>
<tr>
<td>Dial Holder</td>
</tr>
</tbody>
</table>

Special Engraving Services

Custom Templates
Templates for any trademark or design—for profiling and slotting can be supplied. Please send photostat or drawing with specifications for quotation.

Custom Engraving Capabilities

Ranger®

Sets of font styles and master templates that have been deleted from our previous catalog are available from custom engraving department. Ask for price and delivery.