

## COPY TABLE



A copy table is required to hold the master letter set templates in place during the carving operation. Each table consists of 30" long machined aluminum components. Each table is complete with one copy holding bar and two letter locks. If smaller templates are to be used it would be advantageous to order additional bars and letter locks.

- CT-7 Copy Table .....holds up to 7" high templates - use with CM-614  
 CT-10 Copy Table .....holds up to 9" high templates - use with CM-624

- CHB-2 Extra Copy Holding Bar with Screws & Tongue Nuts  
 LL-2 Extra Letter Locks with Thumb Screws  
 MHB-2 Material Holding Bars for CM-614 and CM-624, includes Bolts, Washers & Tee Nuts

## SPECIAL TRACING STYLUS



STS-1



STS-2

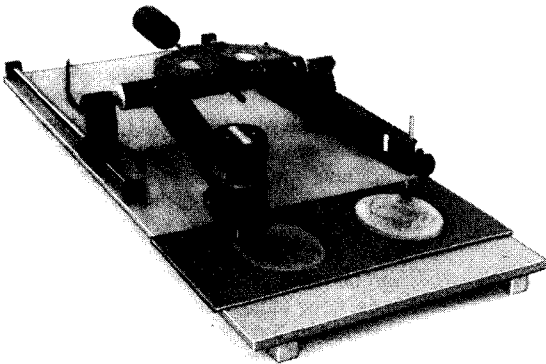
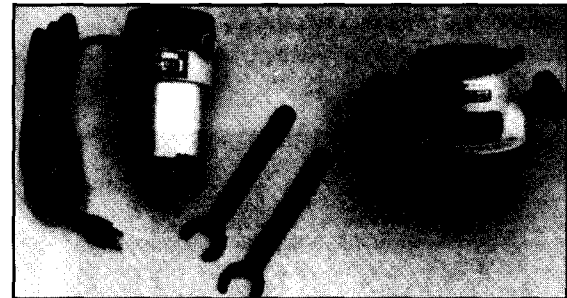
These stylus are required for sign carving as they control the depth of cut and also permit the stylus to pick up the template grooves or edges before the cutter is lowered into the wood.

- STS-1 For following V-Grooves in the master templates.  
 T-1 Replacement tip.  
 T-2 Special tip for use with New Hermes engraving machine templates.  
 T-3 Special tip for tracing drawings.  
 STS-2 For tracing around raised or cut-out templates. Has 1/8", 1/4", 3/8" and 1/2" dia. tips for different Router Bit Sizes.

## ROUTER MOTORS

While a motor is all that is needed for the carving machine, you may find it advantageous to purchase the base also so that the router may be used for other woodworking projects. Porter-Cable industrial routers with permanently sealed precision ball bearings with oversize brushes. 22,000 RPM. Shipping weight 10 lbs.

- R-6301 Base Only.  
 R-6902 Router Motor 1 3/4 HP 1/2" collet capacity w/ 1/4" adapter.



## REVERSE CUTTING ATTACHMENT FOR 3-D CARVING

These attachments will produce opposite hand parts with the same facility as on the regular machine set-up. The cast aluminum components are easily installed and are ready to use when the name plate has been removed. The router arm moves to the left, when the stylus arm is moved to the right, and vice versa. The attachments may be disconnected and left on the machine during normal operations. It can then be reconnected in a few minutes. Not required for sign carving operations.

Model RCA-14 for use with the CM-614 Carving Machines.  
 We do not manufacture an RCA for the model CM-624.

## "THE" TEMPLATES



SCRIPT STYLE



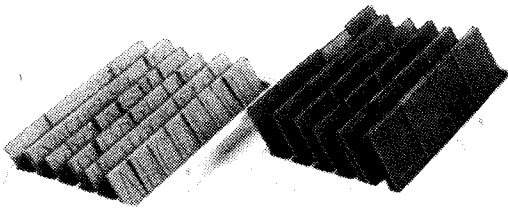
CONDENSED GOTHIC STYLE

These templates can be used for carving family name signs, such as "The WILSONS".

HOW TO ORDER: Specify which letter set template is to be used with and also which style is desired.  
 FOR EXAMPLE: 127-The, Script Style

# SIGN CARVING MASTER LETTER SETS

## FOR CM SERIES MACHINES



The templates are made of hard phenolic stock for exceptional durability. The width of each template automatically sets the proper spacing between each letter. This permits rapid set-up in the copy table. The templates have one or more V-grooves engraved in them, which can be easily traced with the STS-1 stylus. One or more template trays are included with each set **under four inches in height**.

Larger letter or special design templates can be made from hardboard using a V-groove router bit or chisel to cut the tracing groove. Hardboard, metal or plastic letters and numbers may also be used in set-ups. The letters should be attached to a wood or hardboard backing, then using the STS-2 stylus, trace around each letter first and then if desired, cut away the background.

### CONDENSED GOTHIC

### STANDARD GOTHIC

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
1234567890 - / & ARScC\$¢()"".,':!?

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
YZ-1234567890 / & ARScC\$¢()"".,':?

Order Number	Letter Height	Bit Size	Set.
MLS-106	3/4"	1/8" dia.	3A
MLS-108	1"	1/8"	3A
MLS-110	1 3/16"	3/16"	3A
MLS-115	1 3/4"	1/4"	3A
MLS-117	2"	1/4"	3A
MLS-127	3 1/8"	3/8"	2A
MLS-135	4"	1/2"	2A
MLS-143	5"	5/8"	1A
MLS-152	6"	3/4"	1A

Order Number	Letter Height	Bit Size	Set.
MLS-208	1"	1/8" dia.	3A
MLS-210	1 3/16"	3/16"	3A
MLS-217	2"	1/4"	3A
MLS-227	3 1/8"	3/8"	2A
MLS-235	4"	1/2"	2A
MLS-243	5"	5/8"	1A
MLS-252	6"	3/4"	1A

Use Round Bottom Router Bits

Use Round Bottom Router Bits

### CONDENSED ROMAN

### STANDARD ROMAN

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
1234567890 - & ACc\$¢.,':""

ABCDEFGHIJKLMN OPQRSTU  
WXYZ-1234567890 & ACc\$¢.,':""

MLS-317	1 7/8"	1/8" dia.	3A
MLS-327	2 15/16"	3/16"	2A
MLS-335	3 3/4"	1/4"	2A

MLS-417	1 7/8"	1/8" dia.	3A
MLS-427	2 15/16"	3/16"	2A
MLS-435	3 3/4"	1/4"	2A

Use Square Bottom Router Bits

Use Square Bottom Router Bits

### FIFTH AVENUE

### CURSIVE SCRIPT

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
1234567890 \$ ! & () - "" ' / ?

ABCDEFGHIJKLMNO PQRSTJ  
UUVWXYZ abcdefghijklmnopqrstuvwxyz  
! \$ & () - "" ' / ? , 1234567890

MLS-1010	1 3/16"	3/16"	3A
MLS-1015	1 3/4"	1/4"	3A
MLS-1017	2"	1/4"	3A
MLS-1027	3 1/8"	3/8"	2A
MLS-1035	4"	1/2"	2A
MLS-1043	5"	5/8"	1A
MLS-1052	6"	3/4"	1A

MLS-610	1 3/16"	1/8"	4A
MLS-615	1 3/4"	3/16"	4A
MLS-620	2 1/4"	1/4"	4A
MLS-626	3"	3/8"	4A
MLS-635	4"	1/2"	4A

Use Round Bottom Router Bits

Use Round Bottom Router Bits

### OLD ENGLISH

ABCDEFGHIJKL MNOPQRST  
UVWXYZ abcdefghijklmnopqrstuv  
wxyz 1234567890 ! "\$ & () , : ; / ? -

Letter	Capitals	Height	Lower Case	Numbers	Bit Size	Set
MLS-920-C	2"	MLS-920-LC	MLS-920-N	1/8"	5A	
MLS-930-C	3"	MLS-930-LC	MLS-930-N	1/8"	5A	
MLS-940-C	4"	MLS-940-LC	MLS-940-N	3/16"	5A	
MLS-950-C	5"	MLS-950-LC	MLS-950-N	1/4"	5A	

Use Square Bottom Bits

### STANDARD GOTHIC (Use Round Bottom Router Bits)

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
YZ-1234567890 / & ARScC\$¢()"".,':?  
abcdefghijklmnopqrstuvwxyz

Order Number	Letter Height	Bit Size	Set Comp.
MLS-1210	1-3/16"	3/16" dia.	4A
MLS-1217	2"	1/4"	4A
MLS-1227	3-1/8"	3/8"	4A
MLS-1235	4"	1/2"	4A

Please note that although the upper case letters are the same as the -200 series, these sets are cut on larger template stock and cannot be mixed.

# RELIEF CARVED LETTER TEMPLATES

Use STS-2 Stylus and Square Bottom Bits

## HELVETICA

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
**1234567890**

## JUBILEE

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
**STUVWXYZ 1234567890**

Order Number	Letter Height	Bit Size	Set
MLS-2802	2"	1/8"	2A
MLS-2803	3"	1/8"	2A
MLS-2804	4"	1/8"	2A

Capitals	Letter Height	Bit Size	Set
MLS-2603	3"	1/8"	2A
MLS-2604	4"	1/8"	2A

**These templates have raised letters mounted on self-spacing backing material and can be used for outline cuts and for removing the background, leaving the letters raised.**

Punctuation templates are included in all these sets.

### Master Letter Set Compositions

Each Master Letter Set has a set composition listed. In addition to the templates listed below, a number of spacers and templates with punctuation are also included.

SET 1A    ABCDEFGHIJKLMNOPQRSTUVWXYZ  
           E  
           2 each  1 2 3 4 5 6 7 8 9 0

SET 2A    ABCDEFGHIJKLMNOPQRSTUVWXYZ  
           ABCDEFGHIJKLMN OP RSTU  
           E  
           2 each  1 2 3 4 5 6 7 8 9 0

SET 3A    ABCDEFGHIJKLMNOPQRSTUVWXYZ  
           ABCDEFGHIJKLMN OP RSTU  
           ABCDE G I L NO RST  
           E  
           2 each  1 2 3 4 5 6 7 8 9 0

SET 4A    ABCDEFGHIJKLMNOPQRSTUVWXYZ  
           ABCDEFGHIJKLMN OP RSTU W  
           abcdefghijklmnopqrstuvwxy  
           abcdefghijklmnop rstuvw yz  
           e i  
           2 each  1 2 3 4 5 6 7 8 9 0

SET 5A-C    ABCDEFGHIJKLMNOPQRSTUVWXYZ  
           ABCDEFGHIJKLMN OP RSTU W

SET 5A-LC    abcdefghijklmnopqrstuvwxyz  
           abcdefghijklmnop rstuvw yz  
           e i

SET 5A-N    2 each  1 2 3 4 5 6 7 8 9 0

### Sampler Sets

In response to many requests, we now stock sample letter and number sets in each style we carry. These will give the carver the opportunity to try any style without investing in a complete master letter set, which would be required for production sign carving. The "C" sets contain one each of the capital letters, the "LC" sets contain one each of the lower case letter, and the "N" sets contain one each of the numerals. Letter trays are not included.

#### CONDENSED GOTHIC

SS-108-C	SS-110-N
SS-110-C	SS-115-N
SS-115-C	SS-117-N
SS-117-C	SS-127-N
SS-127-C	SS-135-N
SS-135-C	SS-143-N
SS-143-C	SS-152-N
SS-152-C	

#### STANDARD GOTHIC

SS-208-C	SS-210-N
SS-210-C	SS-217-N
SS-217-C	SS-227-N
SS-227-C	SS-235-N
SS-235-C	SS-243-N
SS-243-C	SS-252-N
SS-252-C	

#### CONDENSED ROMAN

SS-317-C	SS-317-N
SS-327-C	SS-327-N
SS-335-C	SS-335-N

#### STANDARD ROMAN

SS-417-C	SS-417-N
SS-427-C	SS-427-N
SS-435-C	SS-435-N

#### OLD ENGLISH

SS-920-C	SS-920-LC	SS-920-N
SS-930-C	SS-930-LC	SS-930-N
SS-940-C	SS-940-LC	SS-940-N
SS-950-C	SS-950-LC	SS-950-N

#### CURSIVE SCRIPT

SS-610-C	SS-610-LC	SS-610-N
SS-615-C	SS-615-LC	SS-615-N
SS-620-C	SS-620-LC	SS-620-N
SS-626-C	SS-626-LC	SS-626-N
SS-635-C	SS-635-LC	SS-635-N

#### JUBILEE, HELVETICA

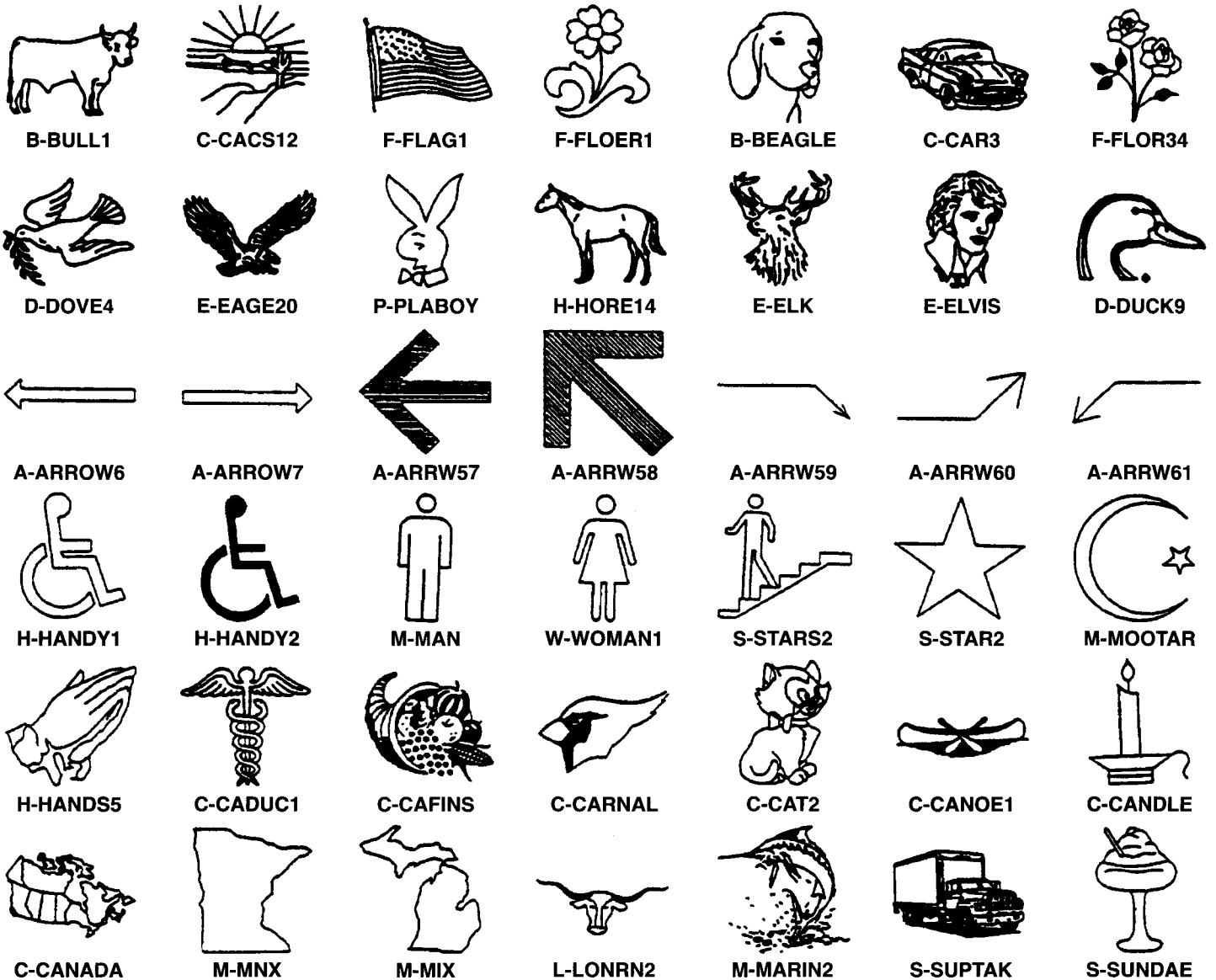
SS-2603-C	SS-2603-N
SS-2604-C	SS-2604-N

# VERTICAL NUMBER MASTER TEMPLATE SETS

These sets are for use on signposts or other vertical signs. Each number is centered on a template, which is of the same width for each number. This permits them to be clamped lengthwise in the copy table. Each set consists of three of each number, 0 thru 9, a total of thirty templates. Use the STS-1 stylus on all except the 2600 sets. They require the use of the STS-2 stylus. See pages 6 and 7 for styles.

	Number height		Number height		Number height
VN-117	2"	VN-317	1 7/8"	VN-615	1 3/4"
VN-127	3 1/8"	VN-327	2 15/16"	VN-620	2 1/4"
VN-135	4"	VN-335	2 3/4"		
VN-143	5"			VN-717	2"
VN-152	6"	VN-417	1 7/8"	VN-727	3 1/8"
		VN-427	2 15/16"	VN-735	4"
VN-217	2"	VN-435	3 3/4"	VN-743	5"
VN-227	3 1/8"			VN-752	6"
VN-235	4"	VN-517	2"		
VN-243	5"	VN-527	3 1/8"	VN-2602	2"
VN-252	6"	VN-535	4"	VN-2603	3"
				VN-2604	4"

## TWO DIMENSIONAL TEMPLATES



Pictured above are just some of the many templates available in our special template catalog.

## ROUTER BITS FOR SIGN CARVING

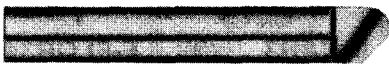
### ROUND BOTTOM BITS

Carbide Tipped 1/4" dia. shank



44104	.....	1/8" dia.
44106	.....	3/16" dia.
44108	.....	1/4" dia.
44112	.....	3/8" dia.
44116	.....	1/2" dia.
44120	.....	5/8" dia.
44124	.....	3/4" dia.

### VEINING BIT

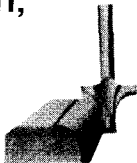


Solid Carbide 1/4" dia. shank

Round Bottom

64104	.....	1/8" dia.
64106	.....	3/16" dia.
64108	.....	1/4" dia.

### CORNER ROUND BIT, SOLID PILOT

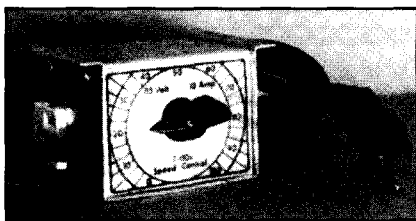


High Speed Steel 1/4" dia. shank

14306	.....	3/16" Radius, 3/8" Length
14308	.....	3/8" Radius, 5/8" Length

### ROUTER SPEED CONTROL

T-110s Speed Control



Solid state router Speed Control Model T-110s is rated at 10 amps continuous duty, and is capable of controlling speed of any router. This control reduces machine noise, but more importantly, allows you to run bits at slower speeds than the normal 20,000 rpm or above most routers use. Slower speeds prevent bits from overheating and thus preserve their temper; consequently this can extend the life of your bits tens or hundreds of times. If you plan to do a lot of carving, you'll appreciate both the savings and the noise reduction.

### SQUARE BOTTOM BITS

Carbide Tipped 1/4" dia. shank



44204	.....	1/8" dia.
44206	.....	3/16" dia.
44208	.....	1/4" dia.
44212	.....	3/8" dia.
44216	.....	1/2" dia.
44220	.....	5/8" dia.
44224	.....	3/4" dia.

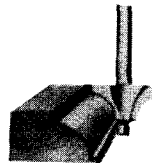
### 90° V-GROOVE ROUTER BIT



Solid Carbide 1/4" dia. shank

64312	.....	3/8" dia.
64320	.....	5/8" dia.

### BEADING BIT, SOLID PILOT



High Speed Steel 1/4" dia. shank

14408	.....	1/4" Radius, 1/2" Length
14412	.....	3/8" Radius, 5/8" Length
14416	.....	1/2" Radius, 3/4" Length

### COLLET ADAPTERS



90408	.....	1/8" x 1/4" dia.
90816	.....	1/4" x 1/2" dia.
91216	.....	3/8" x 1/2" dia.

## CARVING BITS & STYLUS FOR 3-D CARVING

### SPECIAL CARVING BITS

Made from high speed steel approximately 3" long with 1/4" dia. shanks.

#### ROUND BOTTOM



CB-1R	.....	1/16" dia.
CB-2R	.....	1/8" dia.
CB-3R	.....	3/16" dia.
CB-4R	.....	1/4" dia.
CB-5R	.....	5/16" dia.
CB-6R	.....	3/8" dia.
CB-8R	.....	1/2" dia.

#### SQUARE BOTTOM



CB-1S	.....	1/16" dia.
CB-2S	.....	1/8" dia.
CB-3S	.....	3/16" dia.
CB-4S	.....	1/4" dia.
CB-5S	.....	5/16" dia.
CB-6S	.....	3/8" dia.
CB-8S	.....	1/2" dia.

#### MATCHING STYLUS

S-1R	.....	1/16" dia.
S-2R	.....	1/8" dia.
S-3R	.....	3/16" dia.
S-4R	.....	1/4" dia.
S-5R	.....	5/16" dia.
S-6R	.....	3/8" dia.
S-8R	.....	1/2" dia.

S-1S	.....	1/16" dia.
S-2S	.....	1/8" dia.
S-3S	.....	3/16" dia.
S-4S	.....	1/4" dia.
S-5S	.....	5/16" dia.
S-6S	.....	3/8" dia.
S-8S	.....	1/2" dia.

Made from black anodized aluminum,  
3/8" dia. x 7 1/2" long.

### ROUGHING BITS H.S.S. approx. 2 1/2" long with 1/4" shanks

#### ROUND BOTTOM



RB-8R	.....	1/2" dia.
RB-12R	.....	3/4" dia.

#### SQUARE BOTTOM



RB-8S	.....	1/2" dia.
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#### OVERSIZE MATCHING STYLUS TIPS

RS-8R	.....	3/4" dia.
RS-12R	.....	1" dia.
RS-8S	.....	3/4" dia.
RS-12S	.....	1" dia.