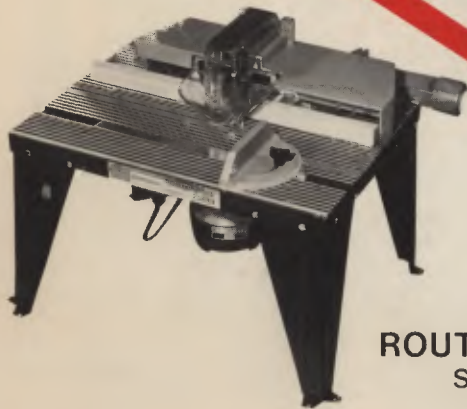


ROUTER CRAFTER
See Page 16-17



ROUTER TABLES
See Page 22-23

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Sears **CRAFTSMAN**

Quick Facts

**ROUTER BITS
AND
ACCESSORIES**



Sears

CRAFTSMAN®

HANDBOOK OF ROUTER BITS AND ROUTER ACCESSORIES

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ROUTER BITS, TYPES AND USES

CRAFTSMAN ROUTER BITS ARE AVAILABLE MADE FROM HIGH SPEED STEEL AND FROM STEEL BODIES WITH CARBIDE TIPPED CUTTING EDGES.

HIGH SPEED STEEL BITS are PROFESSIONAL QUALITY bits which are hardened tempered, ground and Kromedge treated for rust resistance and good cutting life.

CARBIDE TIPPED BITS are also PROFESSIONAL QUALITY bits which have silver brazed cutting edges of TUNGSTEN CARBIDE, one of the hardest of the "man made" metals. Carbide tipped router bits last 15 times longer than high speed steel bits.

Ordinarily, high speed steel bits are quite satisfactory for routing solid woods. If one does a lot of routing, carbide tipped bits would be more economical in the long run. Plywood, chipboard, veneers, plastics and laminated woods are all very abrasive materials and will dull high speed steel rather rapidly. For this reason, it is preferable to use the carbide tipped bits on these materials.

ROUTER ACCESSORIES

The last portion of this booklet shows many of the accessories for routers which are available at Sears. They include the Router Table, Router Crafter, Drawer and Door Panel Decorator, Edge Crafter, Butt Hinge Mortising Template, Dovetail Joint Fixture, Edge Guides, Trammel Point, Rout-a-Form Pantograph, Lettering Template Set, Router Bit Sets and others. Look through these and see how amazingly versatile your router is — with the proper accessories.

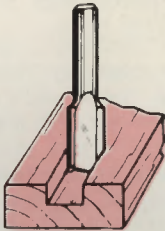
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ONE PIECE BITS — HIGH SPEED STEEL

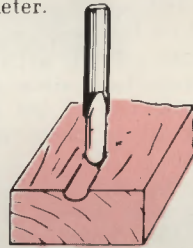
STRAIGHT BITS

Plain bits with straight cutting edge for general routing — Straight square edges, da-doing, and small rabbets. Available up to $\frac{3}{4}$ " diameter.



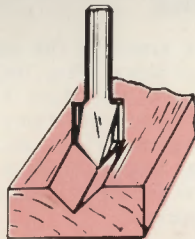
VEINING BITS

For cutting round bottomed grooves and small concave corner edges. Radii on the end of the bits are $\frac{1}{2}$ the bit diameter. Available up to $\frac{1}{4}$ " diameter.



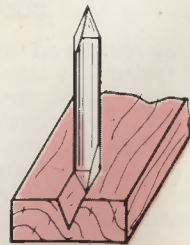
VEE-GROOVING BIT

For making Vee shaped grooves and beveling edges. Available in $\frac{1}{2}$ " diameter to cut $\frac{3}{8}$ " bevel and in $\frac{1}{4}$ " diameter to cut $\frac{7}{8}$ " bevel.



VEE CARVING BIT

Double end 45° Vee on one end, 60° Vee on other end.



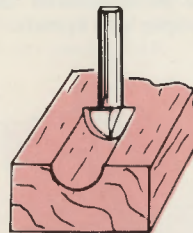
4

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ONE PIECE BITS — HIGH SPEED STEEL

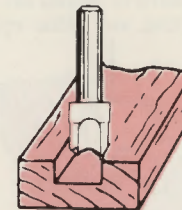
CORE BOX BITS

For cutting half circles and concave quarter circles. Available in $\frac{1}{2}$ " diameter.



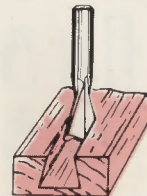
BUTT HINGE MORTISING BIT

$\frac{1}{2}$ " diameter for cutting mortises for hinges. (HINGE MORTISING TEMPLATES are shown as page 15).



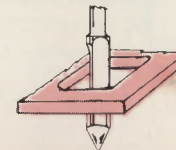
DOVETAILING BITS

For making interlocking joints such as for drawers and shelves. (FIXTURE FOR MAKING DRAWER JOINTS SHOWN ON PAGE 24). Available in $\frac{1}{4}$ " and $\frac{1}{2}$ " diameter.



$\frac{1}{4}$ " COMBINATION PANEL BIT

For plunging through and cutting out holes such as a cut-out in wood to install a sink. Also used for trimming wood veneer. THIS BIT IS IDEAL FOR MAKING CUT-OUTS IN WALL PANELING FOR SWITCH BOXES — RECEPTACLES, ETC.



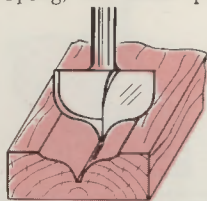
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ONE PIECE BITS—HIGH SPEED STEEL

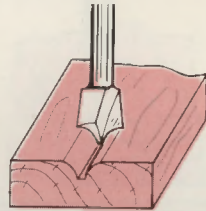
$\frac{3}{32}$ " POINT CUTTING OGEE BIT

Used for center cutting decorations where pilots cannot be used. Very versatile for use on router crafters, cuts beads, reeds, ornate blending from square to round on table legs, roping, and other spirals.



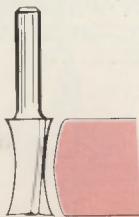
$\frac{3}{16}$ " POINT CUTTING QUARTER ROUND BIT

Cuts approximate $\frac{3}{16}$ " corner round. For use on center and panel cuts where pilots cannot be used. For use on router crafters to cut small beads, reeds, ropes and spirals.



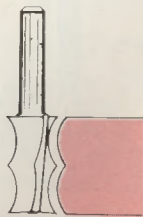
EDGE ROUNDING ROUTER BIT

Bit specially designed for slightly rounding table edges and the like up to $\frac{7}{8}$ " thick. Also for use with $\text{\textcircled{9}}$ 25188 Edge Crafter shown on page 20.



DOUBLE BEAD EDGING ROUTER BIT

Double Bead Edging Bit is designed to make two beads $\frac{7}{16}$ " wide at one time, or to make $\frac{1}{2}$ " bead at a time. Also for use with $\text{\textcircled{9}}$ 25188 Edge Crafter shown on page 20.



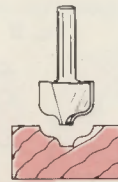
6

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ONE PIECE BITS—HIGH SPEED STEEL

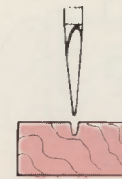
OGEE TWO FLUTE ROUTER BIT $\frac{3}{4}$ " DIAMETER

Cuts $\frac{3}{16}$ " radii with $\frac{3}{8}$ " flat center diameter. Very popular for decorative cuts with $\text{\textcircled{9}}$ 25188 Edge Crafter shown on page 20 and $\text{\textcircled{9}}$ 25472 Door and Drawer Panel Decorator shown on page 18-19.



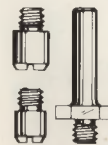
$\frac{1}{16}$ " TAPERED CARVING ROUTER BIT

Special carving type bit for use with Craftsman Recreator. Cutting edge tapers from $\frac{1}{16}$ " to $\frac{1}{4}$ " over a length of $1\frac{1}{8}$ ".



WING TYPE BITS—HIGH SPEED STEEL

THESE BITS ARE MADE WITH A THREADED CENTER HOLE AND MUST BE USED WITH $\text{\textcircled{9}}$ 2589 ARBOR AND PILOT SET, OR $\text{\textcircled{9}}$ 25601 BALL BEARING ARBOR SET SHOWN ON NEXT PAGE.



$\text{\textcircled{9}}$ 2589 3Pc. ARBOR AND PILOT SET CONSISTS OF A $\frac{1}{4}$ " ARBOR, A $\frac{7}{16}$ " PILOT AND A $\frac{5}{16}$ " PILOT. YOU NEED ONLY ONE SET TO USE ALL OF THE WING TYPE HIGH SPEED STEEL BITS.

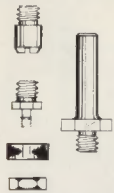
For Safety Information See Page 31

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WING TYPE BITS — HIGH SPEED STEEL

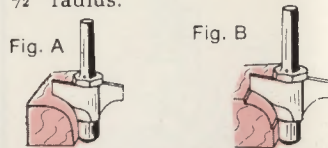
25601 3 PC. BALL BEARING ARBOR SET

Consists of a 1/4" arbor, 7/16" Ball Bearing Pilot and a 5/16" solid type pilot. (This is same as 2589 except that the 7/16" pilot is a ball bearing.)



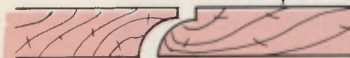
CORNER ROUND AND BEADING BITS

These bits make a corner round cut (Fig. A) when the large pilot is used. When the small pilot is used, the bits make a bead cut (Fig. B). Bits available to cut 1/4", 3/8" and 1/2" radius.

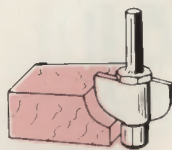


TYPICAL DROP LEAF TABLE CONSTRUCTION

TABLE TOP EDGE CUT WITH CORNER ROUND AND BEAD BIT



DROP LEAF EDGE CUT WITH COVE BIT.



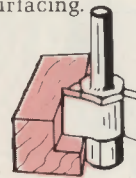
COVE BITS

Cut a 1/4" concave round when used with the large pilot from the 2589 Arbor and Pilot Set. Available to cut 3/8" and 1/2" radius.

WING TYPE BITS — HIGH SPEED STEEL

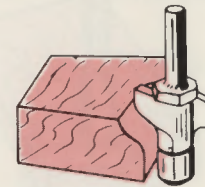
2 Pc. RABBETTING BIT

The rabbetting bit is supplied with a very small pilot. Using this small pilot the bit will cut a 3/8" rabbet. Using the small pilot from the 2589 Arbor and Pilot Set will cut a 5/16" rabbet, and using the largest pilot the bit makes a 1/4" rabbet. Use bit without pilot for surfacing.



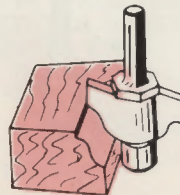
OGEE BIT

The 3/16" Ogee bit will make the Ogee cut shown when used with the large pilot from the 2589 Arbor and Pilot Set. Used mostly for edge decoration.



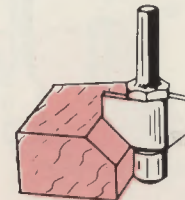
ROMAN OGEE BIT

The Roman Ogee Bits make the standard Ogee cut as shown when used with the large pilot from the 2589 Arbor and Pilot Set. Available in 5/32" and 1/4" sizes.



CHAMFERING BIT

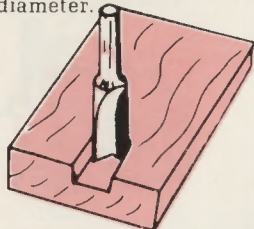
This bit will cut bevels up to 1/2" long. Use large pilot or edge guide. Ideal for beveling curves and irregular edges where the edge guide cannot be used.



ONE PIECE BITS — CARBIDE TIPPED

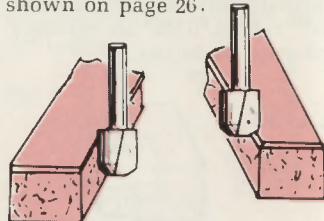
STRAIGHT TYPE SINGLE FLUTE BITS FOR STRAIGHT ROUTING

Carbide cutting edges last 15 times longer than high speed steel on abrasive materials such as plywood, chipboard, and masonite®. Available up to 3/4" diameter.



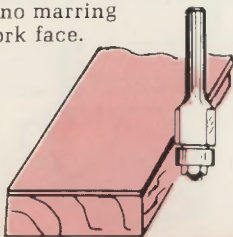
COMBINATION STRAIGHT AND BEVEL TRIMMER BIT

Single flute carbide bit for edge trimming plastics and veneers. Lower edge cuts 22° bevel. Upper edge cuts straight edge. Use with edge guide or special roller guide shown on page 26.



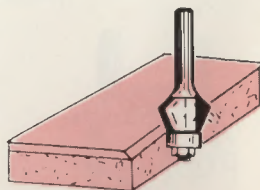
TRIMMER BITS WITH BALL BEARING PILOTS

Two flute carbide flush trimming bit has ball bearing pilot. Use for edge trimming veneers, Formica®, etc. Ball bearing provides perfect guide with no marring of work face.



TRIMMER BITS WITH BALL BEARING PILOTS

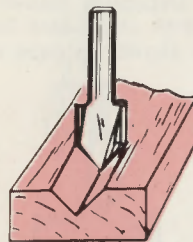
Two flute bevel trimmer bit with ball bearing pilot cuts a 22° bevel edge such as on counter tops.



ONE PIECE BITS — CARBIDE TIPPED

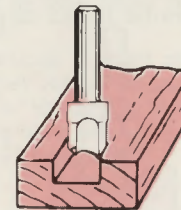
VEE-GROOVING BIT

For making Vee shaped grooves and beveling edges. Available in 1/2" diameter.



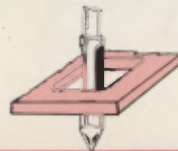
BUTT HINGE MORTISING BIT

1/2" diameter for cutting mortises for hinges. (HINGE MORTISING TEMPLATES are shown on page 15.)



3/8" COMBINATION PANEL BIT

For plunging through and cutting out holes such as a sink. Also used for trimming wood veneer. THIS BIT IS IDEAL FOR MAKING CUT-OUTS IN WALL PANELING FOR SWITCH BOXES — RECEPTACLES, ETC.



DOVETAILING BITS

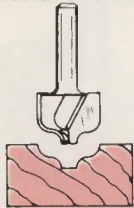
For making interlocking joints such as for drawers and shelves. (FIXTURE FOR MAKING DRAWER JOINTS SHOWN ON PAGE 24). Available in 1/2" joint size.



ONE PIECE BITS — CARBIDE TIPPED

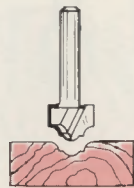
OGEE TWO FLUTE CARBIDE TIPPED ROUTER BIT 1/2" DIAMETER

Use to raise panels and decorative cutting. For use with $\text{\textcircled{2}}$ 25472 Drawer and Door Panel Decorator shown on page 18-19, and with $\text{\textcircled{2}}$ 2525 Router Crafter shown on page 16-17.



"CLASSIC" TWO FLUTE CARBIDE TIPPED ROUTER BIT 1/2" DIAMETER

Design for panel raising and decorative edging. For use with $\text{\textcircled{2}}$ 25472 Drawer and Door Panel Decorator shown on page 18-19, and $\text{\textcircled{2}}$ 2525 Router Crafter shown on page 16-17.



WING TYPE BITS — CARBIDE TIPPED

FOR USE WITH BALL BEARING PILOTS

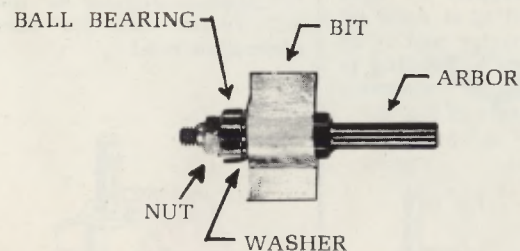
The bits shown and described are made for use with $\text{\textcircled{2}}$ 25895 Arbor and Ball Bearing Pilot Set. This combination provides guiding features that enable the amateur to make perfect cuts on straight edges and inside and outside curves and irregular shapes.

WING TYPE BITS — CARBIDE TIPPED

BALL BEARING ARBOR AND PILOT SET

Consists of a hardened and ground 1/4" arbor, washer, 1/2" Ball Bearing, 5/8" Ball Bearing, bushing and nut. Assembly of a cutter bit on the arbor is shown below.

Only one bearing is used at a time — either the 1/2" diameter or the 5/8" diameter. The small bushing must always be used in the 5/8" bearing.

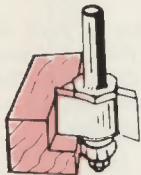


WING TYPE BITS — CARBIDE TIPPED

FOR USE WITH BALL BEARING ARBOR SET

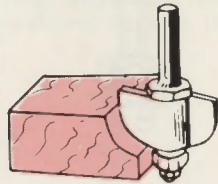
RABBETTING BIT

Makes $\frac{3}{8}$ " and $\frac{5}{16}$ " rabbetts. $\frac{3}{8}$ " rabbett is made using the $\frac{1}{2}$ " diameter ball bearing on the $\text{\textcircled{2}}25895$ arbor. $\frac{5}{16}$ " rabbett is made by using the $\frac{5}{8}$ " diameter bearing.



COVE BITS

Cove cuts (female or concave radius) are made using the $\frac{1}{2}$ " diameter bearing on the $\text{\textcircled{2}}25895$ arbor. Available to cut $\frac{3}{8}$ " and $\frac{1}{2}$ " radius.



CORNER ROUNDING AND BEADING BITS

Makes two types of cuts. Corner Rounding is done by using $\frac{5}{8}$ " diameter bearing as shown in Fig. A. Beading is done by using $\frac{1}{2}$ " diameter bearing as shown in Fig. B. Bits available to cut $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ " radius.

Fig. A

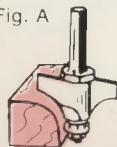
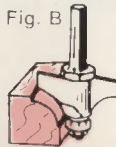
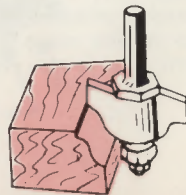


Fig. B



ROMAN OGEE BIT

Use with $\text{\textcircled{2}}25895$ arbor and $\frac{5}{8}$ " bearing. Popular $\frac{1}{4}$ " and $\frac{3}{32}$ " radius size for most decorative cuts.



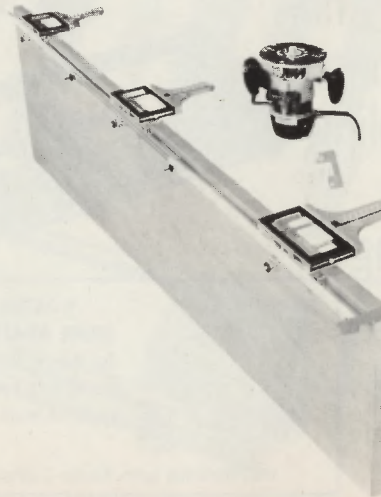
ROUTER ACCESSORIES

A FULL LINE OF ACCESSORIES FOR YOUR ROUTER ARE AVAILABLE AT YOUR LOCAL SEARS STORE OR CATALOG ORDER HOUSE. GET THE MOST FROM YOUR ROUTER. USE THESE ACCESSORIES FOR PROFESSIONAL RESULTS.

$\text{\textcircled{2}}25187$ 3-Section Butt Hinge Template

For square or round-cornered hinges to 5" long. Mortises 2 or 3 hinge doors to 7 feet high. $\frac{3}{4}$ " to 2 $\frac{3}{4}$ " thick.

Use with guide bushings No. $\text{\textcircled{2}}25069$ and router bit No. $\text{\textcircled{2}}2555$ or $\text{\textcircled{2}}25551$.



ROUTER ACCESSORIES

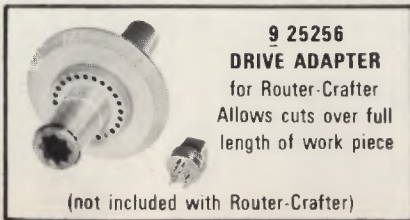
Sears

CRAFTSMAN®

Router Crafter

9 2525

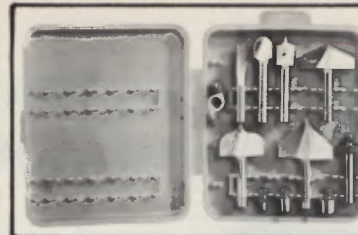
Contour turning
straight fluting
and beading
right and
left hand
spiraling
and
roping
easily
made



9 25256
DRIVE ADAPTER
for Router-Crafter
Allows cuts over full
length of work piece

(not included with Router-Crafter)

ROUTER ACCESSORIES



Special ROUTER CRAFTER
ROUTER BIT SET
9 21227
CONTAINS 2568, 25567,
25579, 25583, 25594,
25596, 2589 AND 25581

(Not included with 9 2525)

