

## HOLE SAWS

We stock Morse hole saws. Carbide tipped saws are most suitable for sawing holes in abrasive materials such as particle board and plastic laminate.

Carbide tipped saws have three teeth per inch - and will outlast high speed steel hole saws many times over. For sawing solid wood, or substrate in which there may be nails, steel hole saws are available from stock in three sizes. Order mandrels separately.



| <u>Dia. in<br/>Inches</u> | <u>Dia. in<br/>Millimeter</u> | <u>Stock Number</u>    |
|---------------------------|-------------------------------|------------------------|
| 15/16                     | 24                            | <b>15/16HOLESAW</b>    |
| 1                         | 25                            | <b>1 HOLESAW</b>       |
| 1-5/16                    | 33                            | <b>1-5/16HOLESAW</b>   |
| 1-3/4                     | 44                            | <b>1-3/4HOLESAW</b>    |
| 2                         | 51                            | <b>50HOLESAW*</b>      |
| 2                         | 51                            | <b>50STEELHOLE^</b>    |
| 2-1/16                    | 52                            | <b>2-1/16HOLESAW</b>   |
| 2-1/4                     | 57                            | <b>2-1/4HOLESAW</b>    |
| 2-3/8                     | 60                            | <b>60HOLESAW**</b>     |
| 2-1/2                     | 64                            | <b>2-1/2HOLESAW</b>    |
| 2-3/4                     | 70                            | <b>2-3/4HOLESAW</b>    |
| 3                         | 76                            | <b>3HOLESAW</b>        |
| 3-1/8                     | 79                            | <b>80HOLESAW***</b>    |
| 3-3/8                     | 86                            | <b>3-3/8STEELHOLE^</b> |

\* for our small grommets

\*\* for our large grommets

\*\*\* for our extra large grommets

^ designates steel

STOCK # : **MANDREL**



ACCEPT SHANK SIZE: 7/16 hex  
 FOR THREAD SIZE: 1/2-20  
 DRILL SIZE/TYPE: 1/4" high speed  
 CHUCK SIZE: 1/2"  
 ARBOR EXTENSION: yes  
 HOLE SIZES: 9/16" – 6"

ACCESSORIES FOR SAWS:

**1/4PILOTBIT** – 1/4" pilot bit for above mandrel

## CIRCULAR BLADES

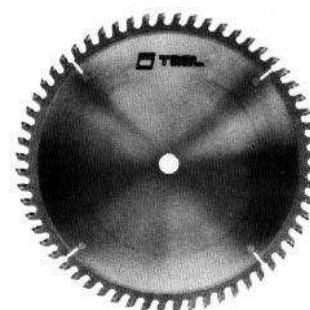
**10ATB5/830** - 10" diameter, 5/8" bore, 30 tooth, alternate top bevel for ripping wood

**10ATB5/840** - 10" diameter, 5/8" bore, 40 tooth, alternate top bevel for rough cutting

**10ATB5/860** - 10" diameter, 5/8" bore, 60 tooth, alternate top bevel for finer cuts in wood

**10TC5/860** - 10" diameter, 5/8" bore, 60 tooth, triple chip for finer cuts in man made materials

**10TC5/880** - 10" diameter, 5/8" bore, 80 tooth, triple chip for finest cuts in man made materials



## WHITESIDE ROUTER BITS



### STRAIGHT PLUNGE CUT

(Carbide Tipped) Also known as "Straight Bit"

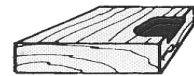
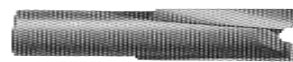
| Stock No. | No. Flutes | Cutting Dia. | Cutting Length | Shank Dia. | Overall Length |
|-----------|------------|--------------|----------------|------------|----------------|
| 1013      | 2          | 1/4"         | 3/4"           | 1/4"       | 2-1/4"         |
| 1014      | 2          | 1/4"         | 1"             | 1/4"       | 2-1/2"         |
| 1016      | 2          | 1/4"         | 1"             | 1/4"       | 3"             |
| 1023      | 2          | 3/8"         | 1-1/4"         | 1/4"       | 2-3/4"         |
| 1028      | 2          | 5/8"         | 3/4"           | 1/4"       | 2-1/8"         |
| 1029      | 2          | 11/16"       | 3/4"           | 1/4"       | 2-1/8"         |
| 1033      | 2          | 1"           | 3/4"           | 1/4"       | 2-1/8"         |
| 1052      | 1          | 1/2"         | 1-1/4"         | 1/2"       | 2-7/8"         |
| 1054      | 1          | 1/2"         | 1-1/2"         | 3/8"       | 3-1/8"         |
| 1058      | 2          | 1/4"         | 3/4"           | 1/2"       | 2-3/8"         |
| 1065      | 2          | 7/16"        | 1-1/4"         | 1/2"       | 2-7/8"         |
| 1067      | 2          | 1/2"         | 1-1/4"         | 1/2"       | 2-7/8"         |
| 1069      | 2          | 1/2"         | 1-1/2"         | 1/2"       | 3-1/8"         |
| 1070      | 2          | 1/2"         | 1-1/2"         | 1/2"       | 4-1/8"         |
| 1076      | 2          | 5/8"         | 1"             | 1/2"       | 2-1/2"         |
| 1079      | 2          | 5/8"         | 2"             | 1/2"       | 4"             |
| 1084      | 2          | 3/4"         | 1"             | 1/2"       | 2-1/2"         |
| 1085      | 2          | 3/4"         | 1-1/4"         | 1/2"       | 3"             |
| 1087      | 2          | 3/4"         | 2"             | 1/2"       | 3-5/8"         |
| 1099      | 2          | 1-1/2"       | 1-1/4"         | 1/2"       | 3"             |
| 1101      | 2          | 2"           | 1-1/4"         | 1/2"       | 3"             |



### STRAIGHT FLUTE

STAGGERTOOTH STRAIGHT FLUTE (Carbide Tip)

| Stock No. | Cutting Dia. | Cutting Length | Shank Dia. | Overall Length |
|-----------|--------------|----------------|------------|----------------|
| 1201      | 3/8"         | 1-1/2"         | 1/2"       | 3-1/8"         |
| 1203      | 1/2"         | 2-1/8"         | 1/2"       | 4"             |



### SCREW TYPE HELIX MORTISE

(With Downshear – Cutter Only)

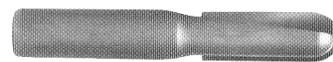
| Stock No. | Cutting Dia. | Cutting Length | Overall Length | Threads |
|-----------|--------------|----------------|----------------|---------|
| 13-500    | 1/2"         | 5/8"           | 7/8"           | 1/4"-28 |
| 13-640    | 41/64        | 5/8"           | 7/8"           | 1/4"-28 |



### MORTISE

(Carbide Tipped)

| Stock No. | Cutting Dia. | Cutting Length | Shank Dia. | Overall Length |
|-----------|--------------|----------------|------------|----------------|
| 1300      | 1/2"         | 3/4"           | 1/4"       | 2-1/8"         |
| 1302      | 3/4"         | 3/4"           | 1/4"       | 2-1/8"         |
| 1303      | 1-1/4"       | 1/2"           | 1/4"       | 2-1/8"         |
| 1304      | 1-1/4"       | 1/2"           | 1/2"       | 2-1/8"         |



### ROUND NOSE

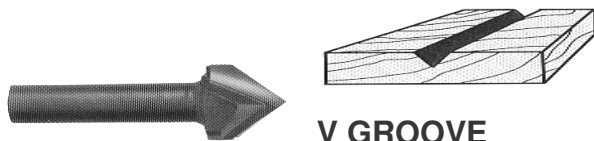
| Stock No. | Radius | Cutting Dia. / Length | Shank Length | Overall  |
|-----------|--------|-----------------------|--------------|----------|
| 1406      | 3/8"   | 3/4" / 7/16"          | 1/4"         | 2"       |
| 1413      | 1/2"   | 1" / 1-3/16"          | 1/2"         | 2-13/16" |



### HALF ROUND BULL NOSE

(Carbide Tipped)

| Stock No. | Rad   | Shank | Opening of Cutter | Cutting Length | Large Dia. |
|-----------|-------|-------|-------------------|----------------|------------|
| 1425      | 3/32" | 1/4"  | 3/16"             | 1/2"           | 3/4"       |
| 1431      | 3/16" | 1/2"  | 3/8"              | 7/8"           | 1"         |
| 1435      | 5/8"  | 1/2"  | 1-1/4"            | 1-3/4"         | 2-1/8"     |

**V GROOVE**

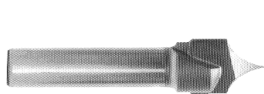
(Carbide Tipped)  
90 DEGREE INCLUDED ANGLE

| Stock No. | Cutting Dia. | Point Length | Shank Dia. | Overall Length |
|-----------|--------------|--------------|------------|----------------|
| 1501      | 3/8"         | 3/16"        | 1/4"       | 1-7/8"         |
| 1504      | 3/4"         | 3/8"         | 1/2"       | 2-1/4"         |

**V GROOVE**

60 DEGREE INCLUDED ANGLE

| Stock No. | Cutting Dia. | Shank | Point Length | Overall Length |
|-----------|--------------|-------|--------------|----------------|
| 1541      | 1/4"         | 1/4"  | 7/32"        | 2"             |

**POINT CUTTING  
ROUND OVER**

(DECORATIVE TRIMMING & LETTERING)

| Stock No. | Cutting Dia. | Radius | Shank | Cutting Length | Overall Length |
|-----------|--------------|--------|-------|----------------|----------------|
| 1570      | 3/8"         | 3/16"  | 1/4"  | 3/8"           | 2"             |
| 1572      | 1/2"         | 1/4"   | 1/4"  | 1/2"           | 2"             |

**SPIRAL DOUBLE FLUTE  
UP OR DOWN CUT STAGGERTOOTH**

(Solid Carbide)



| Cutting No. | Shank Dia. | Overall Length | Stock Dia. | Cutting Length |
|-------------|------------|----------------|------------|----------------|
| RD1600      | 1/8"       | 1/2"           | 1/4"       | 2"             |
| RD2100      | 1/4"       | 1"             | 1/4"       | 2-1/2"         |
| RD5125      | 1/2"       | 1-1/4"         | 1/2"       | 3"             |
| RU1600      | 1/8"       | 1/2"           | 1/4"       | 2"             |
| RU5125      | 1/2"       | 1-1/4"         | 1/2"       | 3"             |

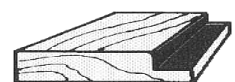
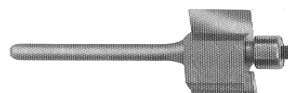
**PANEL BITS**

(PILOT PLUNGE POINT)

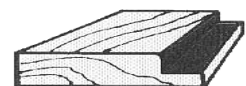
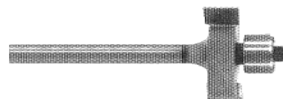
| Stock No. | Cutting Dia. | No. of Flutes | Shank Dia. | Cutting Length | Overall Length |
|-----------|--------------|---------------|------------|----------------|----------------|
| 1702      | 1/2"         | 1             | 1/2"       | 1-1/4"         | 4"             |

**COVE BITS**

| Stock No. | Radius | Shank Dia. | Large Dia. | Cutting Length | Bearing No. |
|-----------|--------|------------|------------|----------------|-------------|
| 1800      | 1/4"   | 1/4"       | 1"         | 1/2"           | B3          |
| 1801      | 3/8"   | 1/4"       | 1-1/4"     | 1/2"           | B3          |
| 1802      | 1/2"   | 1/4"       | 1-1/2"     | 5/8"           | B3          |
| 1804      | 3/8"   | 1/2"       | 1-1/4"     | 1/2"           | B3          |

**RABBET BITS**

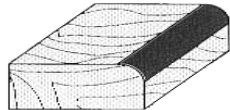
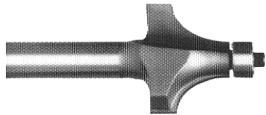
| Stock No. | Large Dia. | Shank Dia. | Cutting Length | Cutting Depth | Bearing Number |
|-----------|------------|------------|----------------|---------------|----------------|
| 1900      | 1-1/4"     | 1/4"       | 1/2"           | 3/8"          | B3             |
| 1901      | 1-1/4"     | 1/2"       | 1/2"           | 3/8"          | B3             |

**SLOTING & RABBETING**

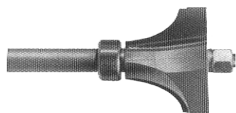
| Stock No. | Large Dia. | Shank Dia. | Cutting Length | Cutting Depth | Overall Length |
|-----------|------------|------------|----------------|---------------|----------------|
| 1954      | 1-3/8"     | 1/2"       | 1/2"           | 1/2"          |                |

**ROUND OVER BITS** (Small Pilot)

| Stock No. | Radius | Shank Dia. | Large Dia. | Cutting Length | Overall Length |
|-----------|--------|------------|------------|----------------|----------------|
| 1980      | 1/8"   | 1/4"       | 3/8"       | 7/16"          | 2"             |

**ROUND OVER & BEADING**

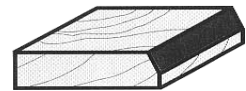
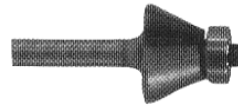
| Stock No. | Radius | Shank Dia. | Large Dia. | Cutting Length |
|-----------|--------|------------|------------|----------------|
| 2000      | 3/16"  | 1/4"       | 7/8"       | 1/2"           |
| 2000C     | 1/8"   | 1/4"       | 3/4"       | 1/2"           |
| 2002      | 5/16"  | 1/4"       | 1-1/8"     | 1/2"           |
| 2003      | 3/8"   | 1/4"       | 1-1/4"     | 5/8"           |
| 2004      | 1/2"   | 1/4"       | 1-1/2"     | 3/4"           |
| 2006      | 1/4"   | 1/2"       | 1"         | 1/2"           |
| 2008      | 3/8"   | 1/2"       | 1-1/4"     | 5/8"           |
| 2009      | 1/2"   | 1/2"       | 1-1/2"     | 3/4"           |
| 2010      | 3/4"   | 1/2"       | 2"         | 1"             |

**ROUNDING UNDER**

| Stock No. | Material Thickness | Shank Rad. | Shank Dia. | Overall Length | Bearing Number |
|-----------|--------------------|------------|------------|----------------|----------------|
| 2034      | 1"                 | 1/2"       | 1/2"       | 3'             | B5             |

**ROMAN OGEE**

| Stock No. | Radius | Shank Dia. | Large Dia. | Cutting Length | Overall Length |
|-----------|--------|------------|------------|----------------|----------------|
| 2201      | 1/4"   | 1/4"       | 1-1/2"     | 11/16"         | 2-1/4"         |
| 2203      | 1/4"   | 1/2"       | 1-1/2"     | 11/16"         | 2-3/8"         |

**EDGE BEVEL**

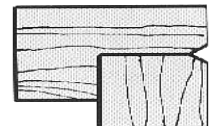
| Stock No. | Degree of Angle | Shank Dia. | Cutting Length | Cutting Height | Overall Length |
|-----------|-----------------|------------|----------------|----------------|----------------|
| 2300      | 15 °            | 1/4"       | 1/2"           | 1/2"           | 2"             |
| 2300A     | 15 °            | 1/4"       | 1/4"           | 1/4"           | 2"             |
| 2301      | 25 °            | 1/4"       | 9/16"          | 1/2"           | 2"             |
| 2308      | 30 °            | 1/4"       | 7/8"           | 3/4"           | 2-3/4"         |

**45° CHAMFER**

| Stock No. | Degree of Angle | Shank Dia. | Cutting Length | Cutting Height | Overall Length |
|-----------|-----------------|------------|----------------|----------------|----------------|
| 2305      | 45 °            | 1/2"       | 5/8"           | 7/16"          | 2-1/4"         |
| 2306      | 45 °            | 1/2"       | 1-1/16"        | 3/4"           | 2-1/2"         |

**FLUSH TRIM-TWO FLUTE**

| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing Number |
|-----------|--------------|------------|----------------|----------------|----------------|
| 2400      | 3/8"         | 1/4"       | 1"             | 2-5/8"         | B1             |
| 2403      | 1/2"         | 1/4"       | 1/2"           | 2-1/8"         | B3             |
| 2405      | 1/2"         | 1/2"       | 1"             | 3-1/4"         | B3             |
| 2407      | 1/2"         | 1/2"       | 1-1/2"         | 3-5/8"         | B3             |
| 2408      | 1/2"         | 1/2"       | 2"             | 4"             | B3             |

**FLUSH TRIM V-GROOVE**

| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing Number |
|-----------|--------------|------------|----------------|----------------|----------------|
| 2425      | 1/2"         | 1/4"       | 1"             | 2-1/2"         | B3             |
| 2426      | 1/2"         | 1/2"       | 1"             | 3-1/4"         | B3             |

**FLUSH TRIM-TWO FLUTE**

(With Double Bearings)

| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing Number |
|-----------|--------------|------------|----------------|----------------|----------------|
| 2458      | 1/2"         | 1/2"       | 2"             | 4-1/4"         | B3             |

**OVERHANG TRIM BIT**

| Stock No. | Overhang | Shank Dia. | Cutting Dia. | Cutting Length | Bearing Number |
|-----------|----------|------------|--------------|----------------|----------------|
| 2468      | 1/16"    | 1/4"       | 3/8"         | 1/2"           | B3             |
| 2470      | 1/8"     | 1/4"       | 3/8"         | 1/2"           | B3             |

**FLUSH TRIM THREE FLUTE**

| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing Number |
|-----------|--------------|------------|----------------|----------------|----------------|
| 2501      | 1/2"         | 1/4"       | 1/2"           | 2-1/8"         | B3             |
| 2502      | 1/2"         | 1/2"       | 1"             | 3-1/4"         | B3             |
| 2503      | 1/2"         | 1/2"       | 1/2"           | 2-3/4"         | B3             |
| 2504      | 1/2"         | 1/2"       | 1-1/2"         | 3-5/8"         | B3             |

**DOWNSHEAR FLUSH TRIM**

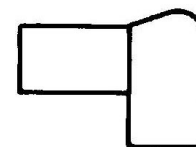
| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing Number |
|-----------|--------------|------------|----------------|----------------|----------------|
| 2560      | 3/4"         | 1/4"       | 5/8"           | 2-1/8"         | B4             |
| 2570      | 3/4"         | 1/2"       | 1"             | 3"             | B4             |
| 2575      | 3/4"         | 1/2"       | 1-1/2"         | 3-1/2"         | B4             |
| 2580      | 3/4"         | 1/2"       | 2"             | 4"             | B4             |

**LAMINATE TRIM - 4 FLUTE CUTTER**

| Stock No. | Shank Dia. | Degree of Angle | Cutting Dia. | Overall Length |
|-----------|------------|-----------------|--------------|----------------|
| 2606      | 1/4"       | 25°             | 7/8"         | 2"             |

**FACE INLAY (1/2 SHANK)**

| Stock No. | Cutting Dia. | Cutting Length | Cutting Depth | Overall Length | Bearing No. |
|-----------|--------------|----------------|---------------|----------------|-------------|
| 2901      | 7/8"         | 1/4"           | 1/16"         | 2-3/4"         | B4          |
| 2904      | 7/8"         | 1/2"           | 1/8"          | 3"             | B6          |
| 2907      | 7/8"         | 3/4"           | 1/8"          | 3-1/4"         | B6          |

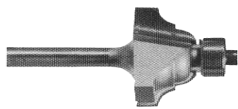
**COUNTER, NO DRIP**

| Stock No. | Material Thickness | Large Dia. | Overall Length | Bearing No. |
|-----------|--------------------|------------|----------------|-------------|
| 2925      | 1/2"               | 1"         | 2-3/4"         | B4          |

**TEMPLATE BITS**

| Stock No. | Cutting Dia. | Shank Dia. | Cutting Length | Overall Length | Bearing No. |
|-----------|--------------|------------|----------------|----------------|-------------|
| 3000+     | 1/2"         | 1/4"       | 1/8"           | 1-3/4"         | B9          |
| 3004      | 1/2"         | 1/4"       | 1"             | 2-1/2"         | B9          |
| 3008      | 5/8"         | 1/4"       | 1"             | 2-1/2"         | B6          |

+ Dado clean out bits. Use to square the bottom of dado cuts made on a table saw.



### CLASSICAL PATTERN

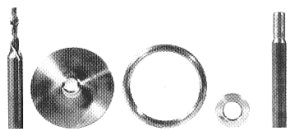
| Stock No. | Rad.  | Large Dia. | Shank Dia. | Cutting Length | Overall Length |
|-----------|-------|------------|------------|----------------|----------------|
| 3230      | 5/32" | 1-1/4"     | 1/4"       | 1/2"           | 2-1/8"         |



### HEX KEY WRENCH

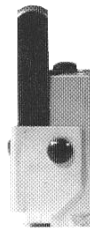
| Stock No. | Size. | Application                         |
|-----------|-------|-------------------------------------|
| HK3/32    | 3/32" | 3/16" I.D. Bearings<br>(5-40 Screw) |

*Standard Size for Most Bits*



### 9500 – SOLID BRASS INLAY KIT

Whiteside's brass inlay kit allows you to make perfect fitting inlays for decoration or repairs. Simply cut your template from 1/4" thick material and trace it with your router to cut both the cavity in your workpiece and the matching inlay to be inserted. Instructions are included. The kit includes a special centering pin to insure exact alignment with router spindle. Also includes a 1/8" Solid Carbide Spiral Router Bit (RD1600).



### 9600 – SQUARE CORNER CHISEL

Use this tool to square up the round corners left behind when routing hinge mortises. Hold unit in mortise corner and strike with hammer. Our chisel features a sharp 3/8" square hardened steel cutting blade.

### BALL BEARINGS



| Stock No. | Outside Diameter | Inside Diameter |
|-----------|------------------|-----------------|
| B1        | 3/8"             | 1/8"            |
| B2        | 3/8"             | 3/16"           |
| B3        | 1/2"             | 3/16"           |
| B4        | 3/4"             | 1/4"            |
| B5        | 7/8"             | 5/16"           |
| B9        | 1/2"             | 1/4"            |
| B11       | 1-1/9"           | 1/2"            |
| BB300     | 7/8" x 10°       | 3/16"           |



### CARBIDE STRAIGHT BITS

| Stock No. | Cutting Dia. | Cutting Length | Shank Dia. | No. of Flutes | Overall Length |
|-----------|--------------|----------------|------------|---------------|----------------|
| SC01      | 1/16"        | 5/16"          | 1/4"       | 1             | 1-1/2"         |
| SC02      | 1/8"         | 3/8"           | 1/4"       | 1             | 1-1/2"         |
| SC09      | 1/8"         | 3/8"           | 1/4"       | 2             | 1-1/2"         |
| SC15      | 1/4"         | 1"             | 1/4"       | 2             | 2-1/2"         |



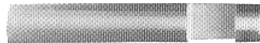
## DOVETAIL BITS



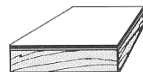
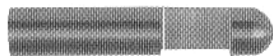
| Stock No.     | Large Dia. | Shank Dia. | Depth of Cut | Overall Length | Angle |
|---------------|------------|------------|--------------|----------------|-------|
| <b>D14-50</b> | 1/2"       | 1/4"       | 1/2"         | 2"             | 14°   |
| <b>D14-51</b> | 1/2"       | 1/4"       | 1/2"         | 2-3/8"         | 14°   |
| <b>D14-75</b> | 3/4"       | 1/2"       | 3/4"         | 3"             | 14°   |
| <b>D7-750</b> | 3/4"       | 1/2"       | 7/8"         | 2-5/8"         | 7°    |
| <b>D8-250</b> | 1/4"       | 1/4"       | 1/4"         | 2-1/2"         | 8°    |
| <b>D8-812</b> | 13/16"     | 1/2"       | 1-1/4"       | 3-1/4"         | 8°    |
| <b>D9-372</b> | 3/8"       | 1/4"       | 3/8"         | 2"             | 9°    |
| <b>D9-375</b> | 3/8"       | 1/2"       | 3/8"         | 2"             | 9°    |
| <b>D9-376</b> | 3/8"       | 1/2"       | 3/8"         | 2-1/2"         | 9°    |

## DADO TRIM

(SMALL PILOT FOR DADO)



| Stock No.    | Cutting Length | Shank Dia. | Overall Length |
|--------------|----------------|------------|----------------|
| <b>SC28C</b> | 1/4"           | 1/4"       | 1-1/2"         |



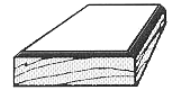
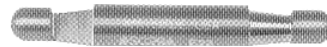
## FLUSH TRIM (3/8" CUT LENGTH)

| Stock No.   | Cutting Length | Shank Dia. | Overall Length |
|-------------|----------------|------------|----------------|
| <b>SC28</b> | 3/8"           | 1/4"       | 1-1/2"         |

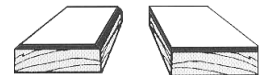


## 7° BEVEL TRIM

| Stock No.   | Cutting Length | Shank Dia. | Overall Length |
|-------------|----------------|------------|----------------|
| <b>SC29</b> | 1/4"           | 1/4"       | 1-1/2"         |

7° BEVEL TRIM  
DOUBLE END

| Stock No.    | Cutting Length | Shank Dia. | Overall Length |
|--------------|----------------|------------|----------------|
| <b>SC29A</b> | 1/4"           | 1/4"       | 2"             |

FLUSH & 7° BEVEL TRIM  
(WITHOUT PILOT)

| Stock No.   | Cutting Length | Shank Dia. | Overall Length |
|-------------|----------------|------------|----------------|
| <b>SC30</b> | 3/8"           | 1/4"       | 1-1/2"         |



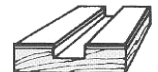
## HOLE &amp; FLUSH TRIM

| Stock No.   | Cutting Length | Shank Dia. | Overall Length |
|-------------|----------------|------------|----------------|
| <b>SC31</b> | 1/4"           | 1/4"       | 2"             |



## RIP &amp; SLOTTING

| Stock No.   | Cutting Length | Shank Dia. | Overall Length |
|-------------|----------------|------------|----------------|
| <b>SC32</b> | 3/8"           | 1/4"       | 1-1/2"         |



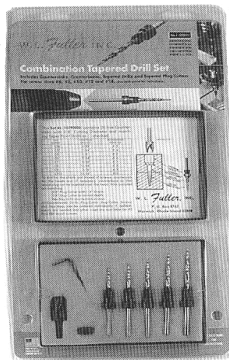
## FLAT BOTTOM VEINING

| Stock No.   | Cutting Dia. | Cutting Length | Shank Dia. | Overall Length |
|-------------|--------------|----------------|------------|----------------|
| <b>SC33</b> | 1/8"         | 1/4"           | 1/4"       | 2"             |



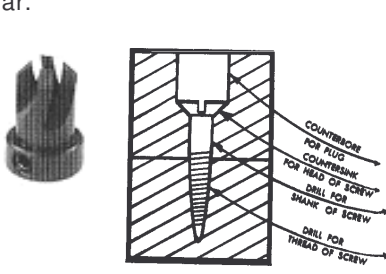
## ROUND BOTTOM VEINING

| Stock No. | Rad.  | Cutting Dia. | Cutting Length | Overall Length | Shank Dia. |
|-----------|-------|--------------|----------------|----------------|------------|
| SC36      | 1/8"  | 2"           |                | 2"             |            |
| SC39      | 1/16" | 1/8"         | 1/4"           | 2"             | 1/4"       |
| SC41      | 1/8"  | 1/4"         | 1/2"           | 2"             | 1/4"       |



The following 5 countersinks with the asterisk (\*) are available in a kit which includes matching taper point drills, a 3/8" plug cutter (1/4" shank) and a 3/8" stop collar (used to control depth). A good value for the money, and finally you've got the tools you need. Order **10390006**.

COUNTERSINKS make driving screws easier and assure the best possible holding power. Designed for clean cutting and hardened for long wear.



Countersink shown is mounted on a taper point drill with a stop collar. Complete list of taper point drills stocked are shown later in the catalog.

Countersinks can be mounted on ordinary straight twist drills allowing the screw thread to cut its own hole, or, if using the correct pilot drill size for root diameter of thread, allowing shank of screw to force its way into the wood.

The countersink is held in place with two hex-socket screws (included) and is easily adjusted up and down the drill so that only one countersink and one length of drill is required for any length of wood screw.

To cut wood plug to fit in the hole over the head of the screw, see our plug cutters later in this catalog.

| Stock No. | Cutting Dia. | Screw No. | Tapered Drill Hole Size | Overall Length |
|-----------|--------------|-----------|-------------------------|----------------|
| C4        | 5/16         | 3         | 7/64                    | 7/8            |
| C57*      | 3/8          | 4         | 7/64                    | 7/8            |
| C5*       | 3/8          | 5         | 1/8                     | 7/8            |
| C6*       | 3/8          | 6         | 9/64                    | 7/8            |
| C8*       | 3/8          | 8         | 11/64                   | 7/8            |
| C913*     | 3/8          | 10        | 13/64                   | 7/8            |

CARBIDE COUNTERSINKS (not for use with hand held tools)



| Stock Number | Cutting Diameter | Drill Hole Size |
|--------------|------------------|-----------------|
| CC5          | 3/8              | 1/8             |
| CC6          | 3/8              | 9/64            |
| CC7          | 3/8              | 5/32            |

## H.S. STEEL CENTER REAMER



| Stock Number | Cutting Dia. | Shank Dia. | Shank Length | Overall Length |
|--------------|--------------|------------|--------------|----------------|
| 04002502     | 1/4          | 1/4        | 7/8          | 1-1/2          |
| 04003752     | 3/8          | 1/4        | 7/8          | 1-3/4          |



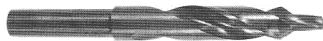


TYPE "B" COUNTERBORES cut a cleaner hole than type "X" counterbores, and can be used with stop collars. Counterbores are used for the flat under the head of nails, spikes and bolts to sink the heads under the surface or deep enough for wood plugs to cover the head.

Counterbores can be set at any point on twist drills and then held fast with the two hex-socket set screws (included). Designed for clean cutting and hardened for long life, they can be used with hand held tools.

| Stock Number | Cutting Dia. | Overall Length | Drill Size |
|--------------|--------------|----------------|------------|
| <b>CB3</b>   | 5/8          | 1              | 3/16       |
| <b>CB4</b>   | 3/4          | 1              | 1/4        |
| <b>CB5</b>   | 3/4          | 1-1/8          | 5/16       |

#### H.S. STEEL STEP DRILLS



Flutes on these drills are less likely to clog, compared with two piece countersink and drill combinations. Stock step drills have 82° angle between drill diameters.

| Stock No.  | Screw Size | A     | B    | C   | D       | E | F   | G   |
|------------|------------|-------|------|-----|---------|---|-----|-----|
| <b>SD8</b> | 8          | 11/32 | .168 | 1/4 | 1-11/16 | 3 | 1/4 | 82° |

A - Countersink Diameter  
B - Pilot Diameter  
C - Pilot Length  
D - Flute Length  
E - Overall Length  
F - Shank Diameter  
G - Countersink or Counterbore Angle

H.S. STEEL DRILLS (with 1/4" shank and brad point) for drilling wood + plastic.



| Dec. Size | Flute Equiv. | O.A. Length | Brad Pt. Stock # |
|-----------|--------------|-------------|------------------|
| 5/16      | .3125        | 2-1/2       | 4                |
| 3/8       | .3750        | 2-1/2       | 4                |
| 7/16      | .4375        | 2-1/2       | 4                |
| 1/2       | .5000        | 2-1/2       | 4                |

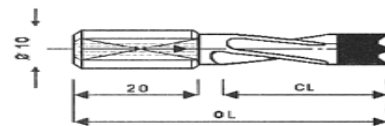
#### H.S. STEEL TAPER POINT



for drilling in one operation for the thread and shank of screws. High speed steel holds cutting edge longest. Drills are suitable for hand held and stationary equipment, for hard and soft wood.

| Drill Diameter | Screw Size | Flute Length | Overall Length | Stock Number    |
|----------------|------------|--------------|----------------|-----------------|
| 7/64           | 4          | 1-1/2        | 2-5/8          | <b>20100109</b> |
| 1/8            | 5          | 1-5/8        | 2-3/4          | <b>20100125</b> |
| 9/64           | 6          | 1-3/4        | 2-7/8          | <b>20100140</b> |
| 5/32           | 7          | 2            | 3-1/8          | <b>20100156</b> |
| 11/64          | 8          | 2-1/8        | 3-1/4          | <b>20100171</b> |
| 3/16           | 9          | 2-5/16       | 3-1/2          | <b>20100187</b> |
| 13/64          | 10         | 1-3/16       | 2-1/4          | <b>20100203</b> |

DRILL BITS carbide, for hinge installation equipment. All have 10mm shanks (flat one side). All have spurs and a center point.



| Dia.        | Turning Dir. | # of Flutes | Overall Length | Cutting Length | Shank Length |
|-------------|--------------|-------------|----------------|----------------|--------------|
| <b>5MML</b> | L            | 2           | 55.5mm         | 30mm           | 27mm         |
| <b>5MMR</b> | R            | 2           | 55.5mm         | 30mm           | 27mm         |
| <b>8MML</b> | L            | 2           | 55.5mm         | 30mm           | 27mm         |



VIX BITS - self centering, accurate. Saves hours of time by accurately drilling holes for screws.

| Vix Bit Size                        | Shank Size | Screw Size | Drill Size | Stock Number    |
|-------------------------------------|------------|------------|------------|-----------------|
| 3                                   | 1/4        | 3&4        | 5/64       | <b>73200078</b> |
| 5                                   | 1/4        | 5&6        | 7/64       | <b>73200109</b> |
| 9                                   | 1/4        | 8-10       | 9/64       | <b>73200140</b> |
| H.S.S. 5/64 Drill                   |            |            |            | <b>73201078</b> |
| H.S.S. 7/64 Drill                   |            |            |            | <b>73201109</b> |
| H.S.S. 9/64 Drill                   |            |            |            | <b>73201140</b> |
| Replacement spring for #3,5 & 9 bit |            |            |            | <b>73203078</b> |

H.S.STEEL DRILLS (regular + brad point) for drilling wood, plastic + metal.



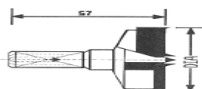
Regular Point



Brad Point

| Size  | Dec. Equiv. | Flute Length | Overall Length | Reg. Point Stock # | Brad Point Stock # |
|-------|-------------|--------------|----------------|--------------------|--------------------|
| 1/16  | .0625       | 7/8          | 1-7/8          | <b>15100062</b>    |                    |
| 5/64  | .0781       | 1            | 2              | <b>73201078</b>    |                    |
| 7/64  | .1094       | 1-1/2        | 2-5/8          | <b>73201109</b>    |                    |
| 1/8   | .125        | 1-5/8        | 2-3/4          | <b>15100125</b>    | <b>25100125</b>    |
| 3/16  | .187        | 2-5/16       | 3-1/2          | <b>15100187</b>    | <b>25100187</b>    |
| 5mm   | .1968       | 2-7/16       | 3-5/8          |                    | <b>28100196</b>    |
| 13/64 | .2031       | 2-7/16       | 3-5/8          |                    | <b>25100203</b>    |
| 1/4   | .25         | 2-3/4        | 4              | <b>15100250</b>    | <b>25100250</b>    |
| 17/64 | .2656       | 2-7/8        | 4-1/8          |                    | <b>25100265</b>    |
| 7.5mm | .2953       | 3-1/16       | 4-3/8          |                    | <b>28100295</b>    |
| 9/64  |             |              |                | <b>73201140</b>    |                    |
| 5/16  | .3125       | 3-3/16       | 4-1/2          | <b>15100312</b>    | <b>25100312</b>    |

DRILL BITS carbide, for hinge installation equipment. All have 10mm shanks (flat one side). All have spurs and a center point.



| Diameter     | Turning Overall Direction | # of Teeth & Spurs | Length |
|--------------|---------------------------|--------------------|--------|
| <b>10MMR</b> | Right                     | 2                  | 57MM   |
| <b>20MMR</b> | Right                     | 2                  | 57MM   |
| <b>25MMR</b> | Right                     | 2                  | 57MM   |
| <b>35MMR</b> | Right                     | 2                  | 57MM   |
| <b>40MMR</b> | Right                     | 2                  | 57MM   |

#### MULTI SPUR BITS

Carbon steel with multiple outlining spurs produce clean holes in wood. Suitable for hand held equipment.

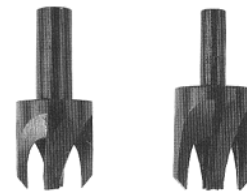
1/2" shank, 6" overall length.

| Cutting Diameter | Stock Number    |
|------------------|-----------------|
| 1/2"             | <b>55000500</b> |
| 9/16             | <b>55000562</b> |
| 5/8,             | <b>55000625</b> |
| 3/4              | <b>55000750</b> |
| 1                | <b>55001000</b> |
| 1-1/8            | <b>55001125</b> |
| 1-1/4            | <b>55001250</b> |



#### PLUG CUTTERS

Designed for clean cutting and hardened for long life. These four-bladed plug cutters do not eject the plugs - the plug remains in the board and can be broken out with a screwdriver or the board can be sawed to free the plug. The tool cuts fast and makes a smooth chamfered plug for easy starting in the counter bored hole.



#### DIMENSIONS

| Plug Size | Max. Length | 1/4 Shank Dia.  | 3/8 Shank Dia.  | 1/2 Shank Dia.  |
|-----------|-------------|-----------------|-----------------|-----------------|
| 1/4       | 3/8         | <b>11640250</b> |                 |                 |
| 5/16      | 3/8         | <b>11640312</b> |                 |                 |
| 7/16      | 1/2         | <b>11640437</b> |                 |                 |
| 1/2       | 1/2         |                 | <b>11660500</b> |                 |
| 9/16      | 9/16        |                 | <b>11660562</b> |                 |
| 16mm      | 5/8         |                 | <b>11660625</b> |                 |
| 3/4       | 3/4         |                 |                 | <b>11680750</b> |

STOP COLLARS - designed to be used with countersinks and counterbores, these steel collars are held solidly in place with two set screws, to control depth of counterbores. The inside diameter of the stop collar fits the outside diameter of the countersink or counterbore.



| Inside Dia. | Stock No.       |
|-------------|-----------------|
| 1/4         | <b>11900250</b> |
| 5/16        | <b>11900312</b> |
| 3/8         | <b>11900375</b> |
| 7/16        | <b>11900437</b> |
| 1/2         | <b>11900500</b> |

