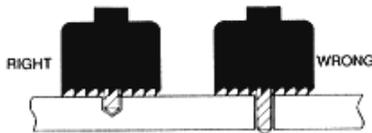


**HOLE SAWS**

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 Inches</u>	<u>Dia. in 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**

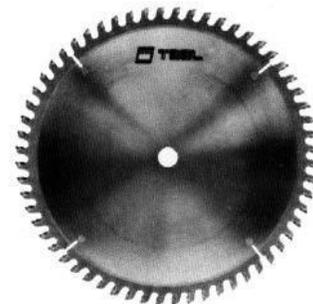
**10ATB5/830** - 10" diameter, 5/8" bore, 30 tooth, alternate top bevel for ripping wood

**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

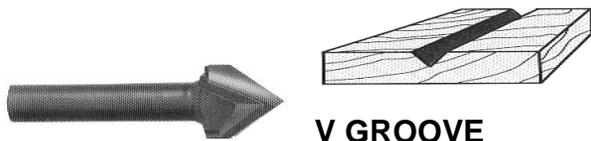
Stock No.	Radius	Cutting Dia. / Length	Shank Dia.	Overall Length
1404	1/4"	1/2" / 5/8"	1/4"	2-1/4"
1406	3/8"	3/4" / 7/16"	1/4"	2"
1413	1/2"	1" / 1-3/16"	1/2"	2-13/16"



### 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**

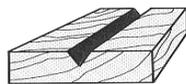
(Carbide Tipped)  
90 DEGREE INCLUDED ANGLE

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



**V GROOVE**

60 DEGREE INCLUDED ANGLE



Stock No.	Cutting Dia.	Shank Dia.	Point Length	Overall Length
<b>1541</b>	1/4"	1/4"	7/32"	2"



**POINT CUTTING  
ROUNDROVER**

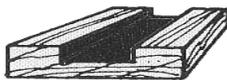
(DECORATIVE TRIMMING & LETTERING)



Stock No.	Cutting Dia.	Radius	Shank Dia.	Cutting Length	Overall Length
<b>1570</b>	3/8"	3/16"	1/4"	3/8"	2"
<b>1572</b>	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	Cutting
			Dia.	Length
<b>RD1600</b>	1/8"	1/2"	1/4"	2"
<b>RD2100</b>	1/4"	1"	1/4"	2-1/2"
<b>RD5125</b>	1/2"	1-1/4"	1/2"	3"
<b>RU1600</b>	1/8"	1/2"	1/4"	2"
<b>RU5125</b>	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
<b>1702</b>	1/2"	1	1/2"	1-1/4"	4"



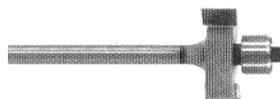
**COVE BITS**

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



**RABBET BITS**

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



**SLOTING & RABBETING**

Stock No.	Large Dia.	Shank Dia.	Cutting Length	Cutting Depth	Overall Length
<b>1916</b>	1-1/4"	1/4"	3/8"	3/8"	2"
<b>1954</b>	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
2298	7°	1/4"	3/8"	3/8"	2-1/8"
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"



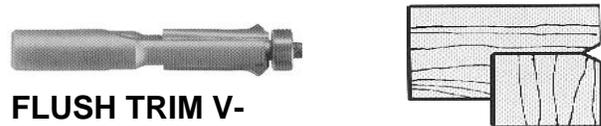
**45° CHAMFER**

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
<b>2458</b>	1/2"	1/2"	2"	4-1/4"	B3



**OVERHANG TRIM BIT**

Stock No.	Overhang	Shank Dia.	Cutting Dia.	Cutting Length	Bearing Number
<b>2468</b>	1/16"	1/4"	3/8"	1/2"	B3
<b>2470</b>	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
<b>2501</b>	1/2"	1/4"	1/2"	2-1/8"	B3
<b>2502</b>	1/2"	1/2"	1"	3-1/4"	B3
<b>2503</b>	1/2"	1/2"	1/2"	2-3/4"	B3
<b>2504</b>	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
<b>2560</b>	3/4"	1/4"	5/8"	2-1/8"	B4
<b>2570</b>	3/4"	1/2"	1"	3"	B4
<b>2575</b>	3/4"	1/2"	1-1/2"	3-1/2"	B4
<b>2580</b>	3/4"	1/2"	2"	4"	B4



**LAMINATE TRIM - 4 FLUTE CUTTER**

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



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

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



**COUNTER, NO DRIP**

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



**TEMPLATE BITS**

Stock No.	Cutting Dia.	Shank Dia.	Cutting Length	Overall Length	Bearing No.
<b>3000+</b>	1/2"	1/4"	1/8"	1-3/4"	B9
<b>3004</b>	1/2"	1/4"	1"	2-1/2"	B9
<b>3008</b>	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**

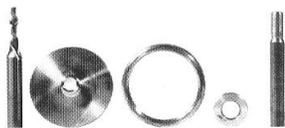
Stock No.	Rad.	Large Dia.	Shank Dia.	Cutting Length	Overall Length
<b>3230</b>	5/32"	1-1/4"	1/4"	1/2"	2-1/8"



**HEX KEY WRENCH**

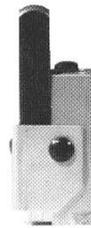
Stock No.	Size.	Application
<b>HK3/32</b>	3/32"	3/16" I.D. Bearings (5-40 Screw)

*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
<b>B1</b>	3/8"	1/8"
<b>B2</b>	3/8"	3/16"
<b>B3</b>	1/2"	3/16"
<b>B4</b>	3/4"	1/4"
<b>B5</b>	7/8"	5/16"
<b>B9</b>	1/2"	1/4"
<b>B11</b>	1-1/9"	1/2"
<b>BB300</b>	7/8" x 10°	3/16"



**CARBIDE STRAIGHT BITS**

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

**DOVETAIL BITS**



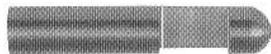
Stock No.	Large Dia.	Shank Dia.	Depth of Cut	Overall Length	Angle
<b>D14-50</b>	1/2"	1/4"	1/2"	2"	14°
<b>D14-51</b>	1/2"	1/4"	1/2"	2-3/8"	14°
<b>D14-55</b>	1/2"	1/2"	1/2"	2-1/2"	14°
<b>D14-75</b>	3/4"	1/2"	3/4"	3"	14°
<b>D7-750</b>	3/4"	1/2"	7/8"	2-5/8"	7°
<b>D8-250</b>	1/4"	1/4"	1/4"	2-1/2"	8°
<b>D8-812</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"



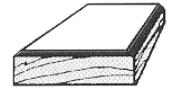
**FLUSH TRIM (3/8" CUT LENGTH)**

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**

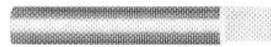
(WITHOUT PILOT)

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



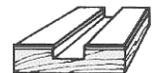
**HOLE & FLUSH TRIM**

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



**RIP & SLOTTING**

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



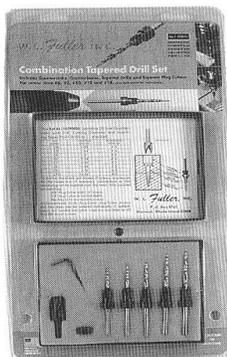
**FLAT BOTTOM VEINING**

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



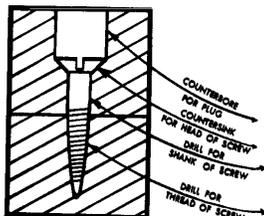
**ROUND BOTTOM VEINING**

Stock No.	Rad.	Cutting Dia.	Cutting Length	Overall Length	Shank Dia.
<b>SC36</b>	1/8"	2"		2"	
<b>SC39</b>	1/16"	1/8"	1/4"	2"	1/4"
<b>SC41</b>	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
<b>C4</b>	5/16	3	7/64	7/8
<b>C57*</b>	3/8	4	7/64	7/8
<b>C5*</b>	3/8	5	1/8	7/8
<b>C6*</b>	3/8	6	9/64	7/8
<b>C8*</b>	3/8	8	11/64	7/8
<b>C913*</b>	3/8	10	13/64	7/8

**CARBIDE COUNTERSINKS** (not for use with hand held tools)



Stock Number	Cutting Diameter	Drill Hole Size
<b>CC5</b>	3/8	1/8
<b>CC6</b>	3/8	9/64
<b>CC7</b>	3/8	5/32

**H.S. STEEL CENTER REAMER**



Stock Number	Cutting Dia.	Shank Dia.	Shank Length	Overall Length
<b>04002502</b>	1/4	1/4	7/8	1-1/2
<b>04003752</b>	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. Length	Stock #
5/16	.3125	2-1/2	4	<b>41000312</b>
3/8	.3750	2-1/2	4	<b>41000375</b>
7/16	.4375	2-1/2	4	<b>41000437</b>
1/2	.5000	2-1/2	4	<b>41000500</b>

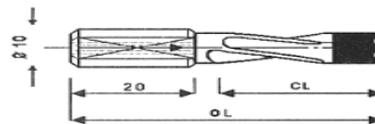
**H.S. STEEL TAPER POINT**



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.



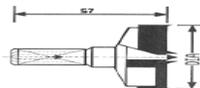
Regular Point



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.

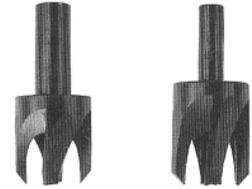
1/2" shank, 6" overall length.

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.



Plug Size	Max. Length	DIMENSIONS		
		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>		
3/8	1/2	<b>11640375</b>		
7/16	1/2	<b>11640437</b>		
1/2	1/2	<b>11640500</b>	<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>

