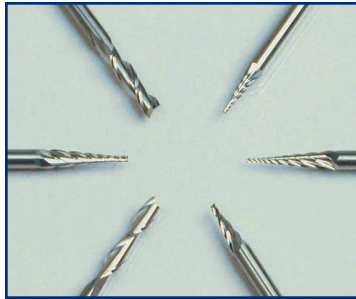




Precision Router Bits from Wagner



These high quality router bits will outperform the competition. Wagner bits are manufactured under strict tolerances of one million test inches. Each bit features unique, patented, multi-flute geometry that is proven to be more effective for chip removal and kerf cutting. The counter cutting bits are quieter and more effective than conventional bits for cutting phenolic and other composite materials.



Kerf Cutter - 110-120 in/min @ 40,000 RPM

Close Kerf - cuts so that rules are able to be closer together than in laser cut dieboard. This new geometry cuts so precisely that the typical deflection compensation is less than .004". while cutting at speeds of 95-110 inches per minute (40 KRPM).



Skiving Tool, 4-flute geometry for Counterboards available in 155° and 170° bit taper (photo at left shows 170° bit)

Straight flutes, extended length, 3/8 in. dia., 3/8 in. (9.53 mm) shank end cutter.



Channel Cutter 200 in/min @ 40,000 RPM

.045 in. dia., 3 straight flute, fish-tail counterboard channel bit
.090 in. D.O.C.

.060 in. dia., 3 straight flute, fish-tail counterboard channel bit
.125 in. D.O.C.



2-flute, V-Tip Bits (0.2500" shank)

Tip diameter: 0.0290 in ± 0.0005"

Tip angle: nominal ± 0.2°

Max. cutting dia.: 0.2500"

Avail in: 30°, 45°, 60° & 90° tip angles

Runout (TIR): 0.0002" max.



3-flute Contour Cutter / Alignment Pin Drill

Geometry - 3-flute up-cut,

Length - 3.0in OAL ±0.010 in.

Diameter - nominal +0.0000 -0.0010 in.

Runout (TIR) - max 0.0002 in.

Max. depth of cut - nominal ±0.020 in.



Spiral Cutter 2 Flute Contour Cutter for cutting outer perimeter and hand holes

Cuts 5/16" Birch Plywood at 200-250 in/min. @ 40,000 RPM

1/8 in. (3.18 mm) Soft Media End-mill .50 in. max cut depth

1/8 in. (3.18 mm) Soft Media End-mill .63 in. max cut depth



Chamfering / Cutout Tool 150/250 in./min. @ 40,000 RPM

"V" point Counterboard chamfering tools are available in the following degrees: 30°, 45°, 60° and 90° chamfer

Most precision router bits are available with or without Depth Rings.

Ask about Router Bits for use on Power Plates!

Sizes & specifications next page!

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Wagner Precision Router Bits (continued)

Kerf Cutters - 2, 3, 4 and 6 PT sizes

2 point - 0.0240in (0.61mm) Kerf Clean-out Tool (Non-Cutting flutes), 0.460 in. (11.7mm) max. clean-out depth
2 point - 0.0270in (0.69mm) Extra-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0275 in. (0.70mm), ZrN coated Narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0275 in. (0.70mm), Narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0280 in. (0.71mm), ZrN coated Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0280 in. (0.71mm), Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0285 in. (0.72mm), ZrN coated Wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0285 in. (0.72mm), Wide-kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0290 in. (0.74mm), ZrN coated Extra-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0290 in. (0.74mm), Extra-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0292 in. (0.74mm), Ultra-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0295 in. (0.75mm), Über-Über-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2 point - 0.0300 in. (0.762mm), Über-Über-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2.6 point - 0.0362 in. (0.914mm), Narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
2.6 point - 0.0367 in. (0.940mm), Wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC

3 point - 0.0395 in. (1.00mm), Wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0400 in. (1.01mm), ZrN coated Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0400 in. (1.02mm), Über-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0405 in. (1.03mm), Ultra-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0410 in. (1.05mm), ZrN coated Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0410 in. (1.04mm), Extra-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0415 in. (1.05mm), Narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0420 in. (1.07mm), ZrN coated Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0420 in. (1.07mm), Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0425 in. (1.08mm), Wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0430 in. (1.09mm), Extra-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
3 point - 0.0435 in. (1.10mm), Ultra-wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC

4 point - 0.0545 in. (1.38mm), Uber-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
4 point - 0.0550 in. (1.40mm), Extra-narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
4 point - 0.0555 in. (1.41mm), Narrow kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
4 point - 0.0560 in. (1.42mm), Normal kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
4 point - 0.0565 in. (1.44mm), Wide kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC

6 point - 0.0835 in. (2.12mm), Narrow -kerf SRD Cutter, 0.460 in. (11.7mm) max. DOC
6 point - 0.0840 in. (2.13mm), Normal -kerf SRD Cutter, 0.460 IN. (11.7mm) max. DOC
6 point - 0.0845 in. (2.15mm), Wide-kerf SRD Cutter, 0.460 IN. (11.7mm) max. DOC
6 point - 0.0850 in. (2.16mm), Extra-wide kerf SRD Cutter, 0.460 IN. (11.7mm) max. DOC

Skiving Cutting Tools, 4-flute design

155° skiving cutter, 3/8 in. dia, 3/8 in. shank
155° skiving cutter, 3/8 in. dia, 3/8 in. shank, ZrN coated
170° skiving cutter, 3/8 in. dia, 3/8 in. shank
170° skiving cutter, 3/8 in. dia, 3/8 in. shank, ZrN coated

Continued next page...



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Wagner Precision Router Bits (continued)

Channel Cutter (for Counterboard, matrix and phenolics)

0.0315 in. (0.80mm) dia, 3 straight-flute, fish-tail counter-board channel bit, 0.138 in. DOC
0.0450 in. (1.143mm) dia, 3 straight-flute, fish-tail counter-board channel bit, 0.090 in. DOC
0.0450 in. (1.143mm) dia, ZrN coated 3 straight-flute, fish-tail counter-board channel bit, 0.090 in. DOC
0.0600 in. (1.524mm) dia, 3 straight-flute, fish-tail counter-board channel bit, 0.125 in. DOC
0.0600 in. (1.524mm) dia, ZrN coated 3 straight-flute, fish-tail counter-board channel bit, 0.125 in. DOC
0.0945 in. (2.400mm) dia, 3 straight-flute, fish-tail counter-board channel bit, 0.315 in. DOC

2-flute, "V" Tip Bits (also available in sets)

30° V-groove cutter, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.467 in. DOC, 2.5 in. OAL
30° V-groove cutter, ZrN coated, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.467 in. DOC, 2.5 in. OAL
45° V-groove cutter, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.348 in. DOC, 2.5 in. OAL
45° V-groove cutter, ZrN coated, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.348 in. DOC, 2.5 in. OAL
60° V-groove cutter, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.217 in. DOC, 2.5 in. OAL
60° V-groove cutter, ZrN coated, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.217 in. DOC, 2.5 in. OAL
90° V-groove cutter, ZrN coated, 2 flute, 1/4" shank, solid submicrograin carbide bit, 0.125 in. DOC, 2.5 in. OAL

3-flute, Contour Cutter / Alignment Pin Drill

3/16 in. (0.188 in, 4.775mm) 3-flute end-mill, 0.1875" shank, 1.00 in. max DOC, 2.5 in. OAL
3/16 in. (0.188 in) ZrN coated 3-flute end-mill, 0.1875" shank, 1.00 in. max DOC, 2.5 in. OAL

Spiral Cutter, 2-flute Contour Cutter

1/8 in. (0.1250 in., 3.175 mm) dia. PreciseBit 2-flute fish-tail end-mill, 0.25 in. max DOC, 1.5 in. OAL
1/8 in (0.1250 in 3.175 mm) PreciseBit 2-flute Ball-nose End-mill, 0.50 in. max DOC, 1.5 in. OAL
1/8 in. (0.1250 in., 3.175 mm) dia. PreciseBit 2-flute fish-tail end-mill, 0.50 in. max DOC, 1.5 in. OAL
1/8 in. (0.1250 in., 3.175 mm) ZrN coated PreciseBit 2-flute End-mill, 0.50 in. max DOC, 1.5 in. OAL
1/8 in. (0.1250 in., 3.175 mm) dia. PreciseBit 2-flute fish-tail end-mill, 0.63 in. max DOC, 2.0 in. OAL
1/8 in. (0.1250 in., 3.175 mm) dia. ZrN coated PreciseBit 2-flute fish-tail end-mill, 0.625 in. max DOC, 1.5 in. OAL

Chamfering / Cutout Tool

30° "V" point, UltraBit counter board depaneling & chamfering, 1.5 in. (38mm) OAL
45° "V" point, UltraBit counter board depaneling & chamfering, 1.5 in. (38mm) OAL
45° "V" point, ZrN coated UltraBit counter board depaneling & chamfering, 1.50 in. (38mm) OAL
60° "V" point, UltraBit counter board depaneling & chamfering, 1.5 in. (38mm) OAL
60° "V" point, ZrN coated UltraBit counter board depaneling & chamfering, 1.50 in. (38mm) OAL
90° "V" point, UltraBit counter board depaneling & chamfering, 1.5 in. (38mm) OAL
90° "V" point, ZrN coated UltraBit counter board depaneling & chamfering, 1.50 in. (38mm) OAL

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