



# WHITESIDE MACHINE

CLAREMONT, NC



**INDUSTRIAL  
GRADE**



**ROUTER**



**BITS**



**AND  
CUTTING  
TOOLS**



**FAMILY OWNED AND OPERATED**

**MASTER CATALOG #54**

# WHITESIDE MACHINE COMPANY

## About the Company

Whiteside Machine Company was founded in 1970 as a general purpose machine shop in the basement of Bill & Bobbie Whiteside's home. Located in western North Carolina near the furniture manufacturing town of Hickory, the company was often involved in making repairs or special parts for the furniture and woodworking industry. A strong commitment to customer problem-solving, a can-do attitude, and innovative ideas, along with a growing core of dedicated employees, helped the business evolve into a manufacturer of woodworking equipment and tooling.

Primarily through repeat business and referrals, the tooling business continued to grow to meet a demand for quality production router bits as well as custom application tooling. Today, Whiteside Machine occupies a 40,000 sq. ft. manufacturing facility and produces a complete line of solid carbide and carbide tipped router bits. Whiteside's quality, innovation, and customer commitment is still present in our superb product line, in the design of custom tooling to fill special customer requirements, and in the development of special machinery and tooling for our own manufacturing use.

As always, Whiteside Machine is continuously striving to improve our product through new technology, improved production techniques, and ongoing research and development efforts; along with rigid quality control, vital customer feedback and extensive field testing.

## About Ordering

Whiteside Machine Company sells through a nationwide distributor network. Prospective customers should order from their local distributor. Call Whiteside Machine at 1-800-225-3982 for a distributor in your area.

## Product Guarantee

All Whiteside tools are warranted to be free from defects in workmanship and materials. Warranty is limited to the cost of repair or replacement of the tool. Warranty is void if tools are altered in any way or show signs of abuse or misuse.

## Safety Guidelines

BE CAREFUL. Always wear eye and ear protection. Wear dust masks. Avoid loose clothing. Keep hands, body, clothing and hair away from cutter. Do not remove safety guards. Always feed against the cutter rotation. Never use dull or damaged cutters. Disconnect power when changing bits or making adjustments. Always disconnect power when not in use. Follow all safety recommendations of the power tool manufacturer.

Whiteside Machine Company assumes no responsibility for defects, damage or injury (direct or indirect) caused by misuse, abuse, alteration or modification of any product (including sharpening).



## Router, Drilling, & Boring Bits

- Family Owned and Operated
- Committed to Quality
  - Industrial Grade
  - Superb Product Line

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# SOLID CARBIDE SPIRALS

Whiteside Machine

## STANDARD SPIRAL BITS

Up Cut **OR** Down Cut  
Two Flute

Up Cut



PART # RU2100

Down Cut



PART # RD5150

| Up Cut Part #      | Down Cut Part # | Cutting Dia. | Cutting Length | Overall Length |
|--------------------|-----------------|--------------|----------------|----------------|
| <b>1/4" SHANK</b>  |                 |              |                |                |
| RU1600             | RD1600          | 1/8"         | 1/2"           | 2"             |
| RU1700             | RD1700          | 5/32"        | 5/8"           | 2"             |
| RU1800             | RD1800          | 3/16"        | 3/4"           | 2-1/2"         |
| RU1900             | RD1900          | 7/32"        | 3/4"           | 2-1/2"         |
| RU2075             | RD2075          | 1/4"         | 3/4"           | 2-1/2"         |
| RU2100             | RD2100          | 1/4"         | 1"             | 2-1/2"         |
| <b>5/16" SHANK</b> |                 |              |                |                |
| RU3100             | RD3100          | 5/16"        | 1"             | 2-1/2"         |
| <b>3/8" SHANK</b>  |                 |              |                |                |
| RU4075             | RD4075          | 3/8"         | 3/4"           | 2-1/2"         |
| RU4100             | RD4100          | 3/8"         | 1"             | 2-1/2"         |
| RU4125             | RD4125          | 3/8"         | 1-1/4"         | 3"             |
| <b>1/2" SHANK</b>  |                 |              |                |                |
| RU4675             | RD4675          | 1/4"         | 3/4"           | 3"             |
| RU4700             | RD4700          | 1/4"         | 1"             | 3-1/4"         |
| RU4800             | RD4800          | 9/32"        | 1"             | 3"             |
| RU4850             | RD4850          | 5/16"        | 1"             | 3"             |
| RU4875             | RD4875          | 3/8"         | 3/4"           | 3"             |
| RU4900             | RD4900          | 3/8"         | 1-1/4"         | 3"             |
| RU4950             | RD4950          | 7/16"        | 1-1/4"         | 3"             |
| RU5100             | RD5100          | 1/2"         | 1"             | 3"             |
| RU5125             | RD5125          | 1/2"         | 1-1/4"         | 3"             |
| RU5150             | RD5150          | 1/2"         | 1-1/2"         | 3-1/2"         |
| RU5200             | RD5200          | 1/2"         | 2"             | 4"             |
| <b>5/8" SHANK</b>  |                 |              |                |                |
| RU6150             | RD6150          | 5/8"         | 1-1/2"         | 3-1/2"         |
| RU6200             | RD6200          | 5/8"         | 2"             | 4"             |
| <b>3/4" SHANK</b>  |                 |              |                |                |
| RU7150             | RD7150          | 3/4"         | 1-1/2"         | 4"             |
| RU7200             | RD7200          | 3/4"         | 2"             | 4"             |
| RU7300             | RD7300          | 3/4"         | 3"             | 5"             |
| RU7306             | RD7306          | 3/4"         | 3"             | 6"             |

## UP / DOWN CUT SPIRAL BITS

Single Flute

Up / Down Cut (1+1 Compression)



PART # UD2100

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| UD2100 | 1/4"       | 1/4"         | 1"             | 2-1/2"         |
| UD4125 | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| UD5160 | 1/2"       | 1/2"         | 1-5/8"         | 3-1/2"         |

Up / Down Cut (2+2 Compression)

Two Flute

| Part #    | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|-----------|------------|--------------|----------------|----------------|
| UD1602    | 1/4"       | 1/8"         | 1/2"           | 2-1/2"         |
| UD2102    | 1/4"       | 1/4"         | 1"             | 2-1/2"         |
| * UD4102M | 3/8"       | 3/8"         | 1"             | 2-1/2"         |
| UD4122    | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| * UD4122M | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| UD5122    | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| * UD5122M | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| UD5152    | 1/2"       | 1/2"         | 1-1/2"         | 3-1/2"         |
| UD5162    | 1/2"       | 1/2"         | 1-5/8"         | 3-1/2"         |
| * UD5162M | 1/2"       | 1/2"         | 1-5/8"         | 3-1/2"         |
| UD5202    | 1/2"       | 1/2"         | 2"             | 4"             |
| UD5222    | 1/2"       | 1/2"         | 2-1/4"         | 5-1/2"         |
| UD6152    | 5/8"       | 5/8"         | 1-1/2"         | 4"             |
| UD7152    | 3/4"       | 3/4"         | 1-1/2"         | 4"             |
| UD7202    | 3/4"       | 3/4"         | 2"             | 5"             |



Up / Down Cut

PART # UD5152

Up / Down Cut (3+3 Compression) Three Flute



PART # UD5123M

| Part #    | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|-----------|------------|--------------|----------------|----------------|
| UD4123    | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| * UD4123M | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| UD5123    | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| * UD5123M | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| UD5163    | 1/2"       | 1/2"         | 1-5/8"         | 3-1/2"         |
| * UD5163M | 1/2"       | 1/2"         | 1-5/8"         | 3-1/2"         |

\* Mortise Style - These bits have a short up-cut end flute. This design allows down shear cutting action to the top surface during shallow cuts.



## HERCULES

Max Life Spirals



PART # HU5125

Up Cut

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| HU4125 | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| HU5125 | 1/2"       | 1/2"         | 1-1/4"         | 3"             |

Down Cut

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| HD4125 | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| HD5125 | 1/2"       | 1/2"         | 1-1/4"         | 3"             |

This series is named "Hercules" for its ability to hold up under severe loads.

Engineered for Maximum Bit Life in High Wear Applications.

Ideal for long production runs in MDF and Laminated Materials.



PART # HC5122M



Up / Down Cut (2+2 Compression)

| Part #    | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|-----------|------------|--------------|----------------|----------------|
| HC4122    | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| * HC4122M | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| HC5122    | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| * HC5122M | 1/2"       | 1/2"         | 1-1/4"         | 3"             |

\* Mortise Style (Short up-cut flute for shallow dado cuts)



## THREE FLUTE SPIRAL BITS

Up Cut  
**OR**  
Down Cut



PART # RU5125T

| Up Cut Part # | Down Cut Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------|-----------------|------------|--------------|----------------|----------------|
| RU4125T       | RD4125T         | 3/8"       | 3/8"         | 1-1/4"         | 3"             |
| RU5125T       | RD5125T         | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| RU5200T       | RD5200T         | 1/2"       | 1/2"         | 2"             | 4"             |
| RU7200T       | RD7200T         | 3/4"       | 3/4"         | 2"             | 4"             |

## SLOW SPIRAL BITS

*Three Flute*

Up Cut  
**OR**  
Down Cut



PART # RU5150S

| Up Cut Part # | Down Cut Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------|-----------------|------------|--------------|----------------|----------------|
| RU4100S       | RD4100S         | 3/8"       | 3/8"         | 1"             | 2-1/2"         |
| RU5100S       | RD5100S         | 1/2"       | 1/2"         | 1"             | 3"             |
| RU5150S       | RD5150S         | 1/2"       | 1/2"         | 1-1/2"         | 3-1/2"         |
| RU5150S-4     | —               | 1/2"       | 1/2"         | 1-1/2"         | 4"             |

## CHIPBREAKER SPIRAL BITS

*Two Flute*

Up Cut  
**OR**  
Down Cut



PART # RU5150CB

| Up Cut Part # | Down Cut Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------|-----------------|------------|--------------|----------------|----------------|
| RU5125CB      | RD5125CB        | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| RU5150CB      | RD5150CB        | 1/2"       | 1/2"         | 1-1/2"         | 3-1/2"         |
| RU5200CB      | RD5200CB        | 1/2"       | 1/2"         | 2"             | 4"             |

*The above items are available from stock with chipbreakers. Chipbreakers can be added to any spiral bits upon request.*

## LEFT HAND SPIRAL BITS

*Two Flute*

Up Cut  
**OR**  
Down Cut



PART # LD5125

| Up Cut Part # | Down Cut Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------|-----------------|------------|--------------|----------------|----------------|
| LU1600        | LD1600          | 1/4"       | 1/8"         | 1/2"           | 2"             |
| LU1800        | LD1800          | 1/4"       | 3/16"        | 3/4"           | 2-1/2"         |
| LU2100        | LD2100          | 1/4"       | 1/4"         | 1"             | 2-1/2"         |
| LU3100        | LD3100          | 5/16"      | 5/16"        | 1"             | 3"             |
| LU4100        | LD4100          | 3/8"       | 3/8"         | 1"             | 3"             |
| LU5125        | LD5125          | 1/2"       | 1/2"         | 1-1/4"         | 3"             |
| LU5200        | LD5200          | 1/2"       | 1/2"         | 2"             | 4"             |
| LU6200        | LD6200          | 5/8"       | 5/8"         | 2"             | 4"             |
| LU7200        | LD7200          | 3/4"       | 3/4"         | 2"             | 4"             |

## ROUGHING SPIRAL BITS (Hoggers)

*Three Flute*

Up Cut  
**OR**  
Down Cut



PART # RU5162H

| Up Cut Part #     | Down Cut Part # | Cutting Dia. | Cutting Length | Overall Length |
|-------------------|-----------------|--------------|----------------|----------------|
| <b>3/8" SHANK</b> |                 |              |                |                |
| * RU4000H-75      | —               | 3/8"         | 3/4"           | 2-1/2"         |
| * RU4000H         | —               | 3/8"         | 1"             | 2-1/2"         |
| RU4075H           | —               | 3/8"         | 3/4"           | 3"             |
| RU4100H           | RD4100H         | 3/8"         | 1"             | 3"             |
| RU4125H           | RD4125H         | 3/8"         | 1-1/4"         | 3"             |
| <b>1/2" SHANK</b> |                 |              |                |                |
| RU5125H           | RD5125H         | 1/2"         | 1-1/4"         | 3"             |
| RU5162H           | RD5162H         | 1/2"         | 1-5/8"         | 3-1/2"         |
| RU5218H           | RD5218H         | 1/2"         | 2-3/16"        | 4"             |
| <b>5/8" SHANK</b> |                 |              |                |                |
| RU6200H           | RD6200H         | 5/8"         | 2"             | 4"             |
| <b>3/4" SHANK</b> |                 |              |                |                |
| RU7200H           | RD7200H         | 3/4"         | 2"             | 4"             |
| RU7325H           | RD7325H         | 3/4"         | 3-1/4"         | 6"             |

*\* For Castle & Porter Cable Pocket Machines*

## COVE NOSE SPIRALS

*Two Flute*



RU2075CN



PART # RU2075CN

Up Cut

| Part #   | Shank Dia. | Cutting Dia. | Corner Radius | Cutting Length | Overall Length |
|----------|------------|--------------|---------------|----------------|----------------|
| RU2075CN | 1/4"       | 1/4"         | 1/16"         | 3/4"           | 2-1/2"         |
| RU5125CN | 1/2"       | 1/2"         | 1/8"          | 1-1/4"         | 3"             |

## BALL NOSE SPIRALS

*Two Flute*



RU1800RN

RU2075RN



PART# RU1800RN

Up Cut

| Part #   | Shank Dia. | Cutting Dia. | Radius | Cutting Length | Overall Length |
|----------|------------|--------------|--------|----------------|----------------|
| RU1800RN | 1/4"       | 3/16"        | 3/32"  | 3/4"           | 2-1/2"         |
| RU2075RN | 1/4"       | 1/4"         | 1/8"   | 3/4"           | 2-1/2"         |
| RU4100RN | 3/8"       | 3/8"         | 3/16"  | 1"             | 3"             |
| RU5125RN | 1/2"       | 1/2"         | 1/4"   | 1-1/4"         | 3"             |
| RU5200RN | 1/2"       | 1/2"         | 1/4"   | 2"             | 4"             |

## CONICAL BALL NOSE SPIRALS

*Four Flute*



SC64

PART # SC64

SC66

PART # SC66

Up Cut

| Part # | Shank Dia. | Ball Dia. | Radius | Included Angle | Overall Length |
|--------|------------|-----------|--------|----------------|----------------|
| SC64   | 1/4"       | 1/16"     | 1/32"  | 11°            | 2-1/2"         |
| SC66   | 1/4"       | 1/8"      | 1/16"  | 7°             | 2-1/2"         |

### Classic **ULTIMATE** FLUSH TRIM

The compression design provides the ultimate cut quality on both corners of the workpiece, even in difficult wood grains. Available in versions for top or bottom templates, or with dual bearings for either.



| Part #       | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------------|------------|--------------|----------------|----------------|
| (A) UDFT9112 | 1/2"       | 7/8"         | 1-1/8"         | 3-3/4"         |
| (B) UDP9112  | 1/2"       | 7/8"         | 1-1/8"         | 3-1/2"         |
| (C) UDC9112  | 1/2"       | 7/8"         | 1-1/8"         | 3-3/4"         |

### Ultra-Long **ULTIMATE** FLUSH TRIM BITS

The Ultimate Flush Trim Bits for material up to 2-1/8" thick. These bits provide the performance and quality of the Classic Ultimate Bits on thicker stock. For best performance, use the shortest cut length needed for the application.



| Part #                                      | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---|------------|--------------|----------------|----------------|
| <b>FLUSH TRIM - TOP BEARING ONLY</b>        |            |              |                |                |
| UDFT9138                                    | 1/2"       | 7/8"         | 1-3/8"         | 4"             |
| UDFT9163                                    | 1/2"       | 7/8"         | 1-5/8"         | 4-1/4"         |
| UDFT9213                                    | 1/2"       | 7/8"         | 2-1/8"         | 4-3/4"         |
| <b>COMBINATION - TOP AND BOTTOM BEARING</b> |            |              |                |                |
| UDC9138                                     | 1/2"       | 7/8"         | 1-3/8"         | 4"             |
| UDC9163                                     | 1/2"       | 7/8"         | 1-5/8"         | 4-1/4"         |
| UDC9213                                     | 1/2"       | 7/8"         | 2-1/8"         | 4-3/4"         |

### FLUSH TRIM SPIRAL BITS

These spiral bits offer state-of-the-art results in flush trimming. Our 1/4" diameter tools are great for small inside corners. Try our 1/8" diameter for extremely sharp corners. The 1/8" bit uses a solid pilot. All others feature a double ball bearing guide.

#### Up Cut

| Part #  | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------|------------|--------------|----------------|----------------|
| RFT1600 | 1/4"       | 1/8"         | 3/8"           | 2"             |
| RFT2100 | 1/4"       | 1/4"         | 1"             | 3"             |
| RFT5125 | 1/2"       | 1/2"         | 1-1/4"         | 3-3/4"         |
| RFT5200 | 1/2"       | 1/2"         | 2"             | 4-3/4"         |

#### Down Cut

| Part #   | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|----------|------------|--------------|----------------|----------------|
| RFTD1600 | 1/4"       | 1/8"         | 3/8"           | 2"             |
| RFTD2100 | 1/4"       | 1/4"         | 1"             | 3"             |
| RFTD5125 | 1/2"       | 1/2"         | 1-1/4"         | 3-3/4"         |
| RFTD5200 | 1/2"       | 1/2"         | 2"             | 4-3/4"         |

### METRIC SPIRALS

With Imperial or Metric Shank

*Two Flute*

#### Imperial Shank - Up Cut

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| RU1805 | 1/4"       | 5mm          | 3/4"           | 2-1/2"         |
| RU2006 | 1/4"       | 6mm          | 7/8"           | 2-1/2"         |
| RU4858 | 1/2"       | 8mm          | 1"             | 3"             |
| RU4910 | 1/2"       | 10mm         | 1-1/8"         | 3"             |
| RU4918 | 1/2"       | 10mm         | 1-3/4"         | 4"             |

#### Metric Shank - Up Cut OR Down Cut

| Up Cut Part # | Down Cut Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------|-----------------|------------|--------------|----------------|----------------|
| MU622         | MD622           | 6mm        | 6mm          | 7/8"           | 2-1/2"         |
| MU825         | MD825           | 8mm        | 8mm          | 1"             | 3"             |
| MU832         | MD832           | 8mm        | 8mm          | 1-1/4"         | 3"             |
| MU1032        | MD1032          | 10mm       | 10mm         | 1-1/4"         | 3-1/2"         |
| MU1038        | MD1038          | 10mm       | 10mm         | 1-1/2"         | 4"             |



PART # RFT2100



PART # RFTD5125



PART # UDFT5152



PART# RU1805

#### Up / Down Cut (2+2 Compression)

| Part #   | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|----------|------------|--------------|----------------|----------------|
| UDFT2100 | 1/4"       | 1/4"         | 1"             | 3"             |
| UDFT5152 | 1/2"       | 1/2"         | 1-1/2"         | 4-1/4"         |
| UDFT5200 | 1/2"       | 1/2"         | 2"             | 4-3/4"         |



## O-FLUTE SPIRALS

### Plastics and Aluminum

By combining the smooth chip flow of the oval shaped flute with the shearing action of a spiral cutting edge, these bits excel in most plastic and aluminum applications.

| Up Cut Part #     | Down Cut Part # | Cutting Dia. | # Of Flutes | Cutting Length | Overall Length |
|-------------------|-----------------|--------------|-------------|----------------|----------------|
| <b>1/4" SHANK</b> |                 |              |             |                |                |
| RU1581A           | -               | 1/8"         | 1           | 1/4"           | 2"             |
| RU1601A           | RD1601A         | 1/8"         | 1           | 1/2"           | 2-1/2"         |
| RU1602A           | -               | 1/8"         | 1           | 5/8"           | 2-1/2"         |
| RU1611A           | RD1611A         | 1/8"         | 1           | 5/8"           | 4"             |
| RU1701A           | -               | 5/32"        | 1           | 5/8"           | 2-1/2"         |
| RU1801A           | -               | 3/16"        | 1           | 5/8"           | 2-1/2"         |
| RU2074A           | RD2074A         | 1/4"         | 1           | 3/4"           | 2-1/2"         |
| RU2076A           | RD2076A         | 1/4"         | 2           | 3/4"           | 2-1/2"         |
| RU2111A           | -               | 1/4"         | 1           | 1-1/8"         | 3"             |
| RU2151A           | -               | 1/4"         | 1           | 1-1/2"         | 3"             |
| <b>3/8" SHANK</b> |                 |              |             |                |                |
| RU4102A           | -               | 3/8"         | 2           | 1"             | 3"             |
| RU4111A           | RD4111A         | 3/8"         | 1           | 1-1/8"         | 3"             |
| <b>1/2" SHANK</b> |                 |              |             |                |                |
| RU5121A           | -               | 1/2"         | 1           | 1-1/4"         | 3"             |
| RU5161A           | -               | 1/2"         | 1           | 1-5/8"         | 3-1/2"         |
| RU5201A           | -               | 1/2"         | 1           | 2"             | 4"             |



## FLAT BOTTOM VEINING



| Part # | Shank Dia. | Cutting Dia. | Flute  | Cutting Length | Overall Length |
|--------|------------|--------------|--------|----------------|----------------|
| SC062  | 1/4"       | 1/16"        | Single | 3/16"          | 1-1/2"         |
| SC33   | 1/4"       | 1/8"         | Double | 1/4"           | 2"             |
| SC156  | 1/4"       | 5/32"        | Double | 3/8"           | 1-1/2"         |
| SC34   | 1/4"       | 3/16"        | Double | 3/8"           | 2"             |
| SC35   | 1/4"       | 1/4"         | Double | 1/2"           | 2"             |

## ROUND BOTTOM VEINING Two Flute



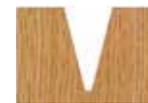
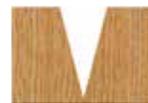
| Part # | Shank Dia. | Cutting Dia. | Radius | Cutting Length | Overall Length |
|--------|------------|--------------|--------|----------------|----------------|
| SC39   | 1/4"       | 1/8"         | 1/16"  | 1/4"           | 2"             |
| SC40   | 1/4"       | 3/16"        | 3/32"  | 3/8"           | 2"             |
| SC41   | 1/4"       | 1/4"         | 1/8"   | 1/2"           | 2"             |

## LINER BITS



| Included Angle | Part # | Shank Dia. | Point Type  | Overall Length |
|----------------|--------|------------|-------------|----------------|
| 22°            | SC50   | 1/4"       | Pencil      | 2-1/2"         |
| 15°            | SC54   | 1/4"       | 1/16" Flat  | 2-1/2"         |
|                | SC55   | 1/4"       | 3/32" X 45° | 2-1/2"         |

## ENGRAVING BITS



| Included Angle | Part # | Shank Dia. | Point Type | Overall Length |
|----------------|--------|------------|------------|----------------|
| 30°            | SC70   | 1/4"       | Pencil     | 2"             |
|                | SC71   | 1/4"       | 1/32" Flat | 2"             |
| 45°            | SC75   | 1/4"       | Pencil     | 2"             |
|                | SC76   | 1/4"       | 1/32" Flat | 2"             |

## O - FLUTE STRAIGHT BITS

### Single Flute

The original choice for routing plastics. The oval flute provides an enhanced flow of plastic chips.



| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| SA1600 | 1/4"       | 1/8"         | 3/8"           | 2-1/2"         |
| SA1700 | 1/4"       | 5/32"        | 1/2"           | 2-1/2"         |
| SA1800 | 1/4"       | 3/16"        | 1/2"           | 2-1/2"         |
| SA1900 | 1/4"       | 7/32"        | 5/8"           | 2-1/2"         |
| SA2075 | 1/4"       | 1/4"         | 3/4"           | 2-1/2"         |
| SA2100 | 1/4"       | 1/4"         | 1"             | 3-1/2"         |
| SA4100 | 3/8"       | 3/8"         | 1"             | 3"             |

## CONICAL BALL NOSE SPIRALS

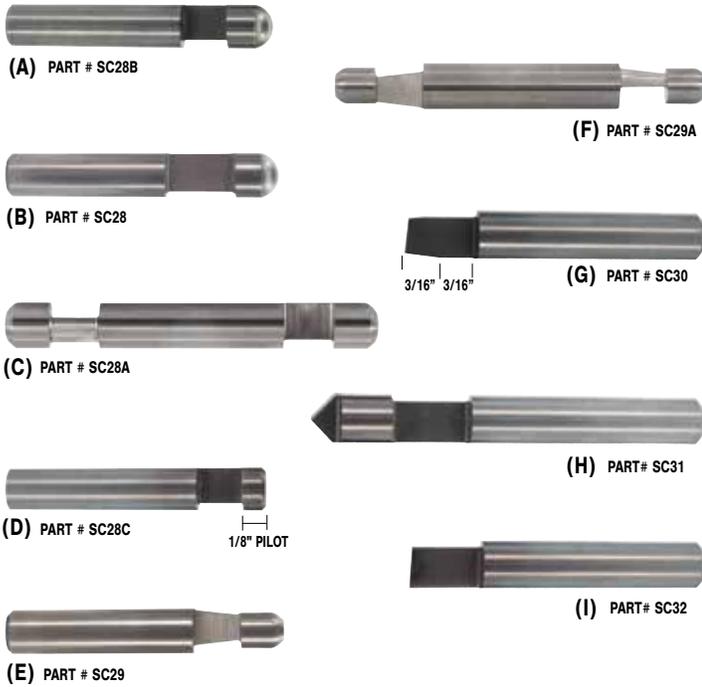
### Four Flute



| Part # | Shank Dia. | Ball Dia. | Radius | Included Angle | Overall Length |
|--------|------------|-----------|--------|----------------|----------------|
| SC64   | 1/4"       | 1/16"     | 1/32"  | 11°            | 2-1/2"         |
| SC66   | 1/4"       | 1/8"      | 1/16"  | 7°             | 2-1/2"         |



## SOLID CARBIDE TRIM BITS



| Trim Bits   | Part #     | Shank Dia.           | Cutting Length | Overall Length |
|---|------------|----------------------|----------------|----------------|
| (A) <b>Standard Flush Trim</b><br>1/4" Cut Length     | SC28B      | 1/4"                 | 1/4"           | 1-1/2"         |
|   | SC28B Bulk | 100 Pcs. - Bulk Pack |                |                |
| (B) <b>Flush Trim</b><br>3/8" Cut Length              | SC28       | 1/4"                 | 3/8"           | 1-1/2"         |
|   | SC28 Bulk  | 100 Pcs. - Bulk Pack |                |                |
| (C) <b>Flush Trim - Double End</b>                    | SC28A      | 1/4"                 | 1/4"           | 2"             |
| (D) <b>Dado Trim</b><br>Small Pilot for Dado          | SC28C      | 1/4"                 | 1/4"           | 1-1/2"         |
|   | SC28C Bulk | 100 Pcs. - Bulk Pack |                |                |
| (E) <b>7° Bevel Trim</b>                              | SC29       | 1/4"                 | 1/4"           | 1-1/2"         |
|   | SC29 Bulk  | 100 Pcs. - Bulk Pack |                |                |
| (F) <b>7° Bevel Trim</b><br>Double End                | SC29A      | 1/4"                 | 1/4"           | 2"             |
| (G) <b>Flush &amp; 7° Bevel Trim</b><br>Without Pilot | SC30       | 1/4"                 | 3/8"           | 1-1/2"         |
| (H) <b>Hole &amp; Flush Trim</b><br>Panel Pilot       | SC31       | 1/4"                 | 3/8"           | 2"             |
| (I) <b>Rip &amp; Slotting</b>                         | SC32       | 1/4"                 | 3/8"           | 1-1/2"         |

## SOLID CARBIDE FIBERGLASS BITS

Used for quick roughing of fiberglass. For a finer finish and better chip evacuation, Whiteside recommends using a spiral bit or a straight.



| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| SC90   | 1/4"       | 1/4"         | 3/4"           | 2-1/2"         |
| SC90V  | 1/4"       | 1/4"         | 3/4"           | 2-1/2"         |
| SC91V  | 1/4"       | 1/4"         | 1"             | 3"             |

Note - Order SC90 for flat bottom plunge point.

SC90V & SC91V are supplied with a vee plunge point.

## SOLID CARBIDE STRAIGHT BITS

*Single Flute*

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| SC062  | 1/4"       | 1/16"        | 3/16"          | 1-1/2"         |
| SC01   | 1/4"       | 1/16"        | 5/16"          | 1-1/2"         |
| SC01A  | 1/4"       | 3/32"        | 5/16"          | 1-1/2"         |
| SC02   | 1/4"       | 1/8"         | 3/8"           | 1-1/2"         |
| SC03   | 1/4"       | 5/32"        | 5/8"           | 1-1/2"         |
| SC04   | 1/4"       | 3/16"        | 1/2"           | 1-1/2"         |
| SC05   | 1/4"       | 7/32"        | 3/4"           | 2"             |
| SC06   | 1/4"       | 1/4"         | 3/4"           | 2"             |
| SC07   | 1/4"       | 1/4"         | 1"             | 2-1/2"         |
| SC08   | 1/4"       | 1/4"         | 1"             | 3"             |
| SC17   | 5/16"      | 5/16"        | 1"             | 2-1/2"         |



## SOLID CARBIDE STRAIGHT BITS

*Two Flute*

| Part #             | Cutting Dia.  | Cutting Length | Overall Length |
|--------------------|---------------|----------------|----------------|
| <b>1/4" SHANK</b>  |               |                |                |
| SC33               | 1/8"          | 1/4"           | 2"             |
| SC09               | 1/8"          | 3/8"           | 1-1/2"         |
| SC09A              | 1/8"          | 3/8"           | 2"             |
| SC156              | 5/32"         | 3/8"           | 1-1/2"         |
| SC10               | 5/32"         | 5/8"           | 1-1/2"         |
| SC10A              | 5/32"         | 5/8"           | 2"             |
| SC34               | 3/16"         | 3/8"           | 2"             |
| SC11               | 3/16"         | 1/2"           | 1-1/2"         |
| SC11A              | 3/16"         | 1/2"           | 2"             |
| SC12               | 3/16"         | 5/8"           | 2"             |
| SC13               | 7/32" / 5.5mm | 3/4"           | 2"             |
| SC35               | 1/4"          | 1/2"           | 2"             |
| SC14               | 1/4"          | 3/4"           | 2"             |
| SC15               | 1/4"          | 1"             | 2-1/2"         |
| SC16               | 1/4"          | 1"             | 3"             |
| <b>5/16" SHANK</b> |               |                |                |
| SC18               | 5/16"         | 1"             | 2-1/2"         |
| <b>3/8" SHANK</b>  |               |                |                |
| SC19               | 3/8"          | 1"             | 2-1/2"         |
| SC19A              | 3/8"          | 1-1/4"         | 3"             |
| <b>1/2" SHANK</b>  |               |                |                |
| SC218              | 7/32" / 5.5mm | 3/4"           | 2-3/4"         |
| SC235              | 15/64" / 6mm  | 3/4"           | 2-3/4"         |
| SC20               | 1/4"          | 3/4"           | 2-3/4"         |
| SC21               | 1/4"          | 1"             | 3"             |
| SC22               | 5/16"         | 1"             | 3"             |
| SC23               | 3/8"          | 1"             | 3"             |
| SC24               | 3/8"          | 1-1/4"         | 3"             |
| SC25               | 1/2"          | 1"             | 3"             |
| SC26               | 1/2"          | 1-1/4"         | 3"             |
| SC27               | 1/2"          | 1-1/2"         | 3-1/2"         |





# CARBIDE TIP - STRAIGHTS

Whiteside Machine

## 1/4" SHANK STRAIGHT BITS



PART # 1022



SINGLE FLUTE

TWO FLUTE

| Part #                           | Cutting Dia. | Cutting Length | Overall Length | Special Use          |
|----------------------------------|--------------|----------------|----------------|----------------------|
| <b>1/4" SHANK - Single Flute</b> |              |                |                |                      |
| 1005                             | 1/4"         | 1"             | 2-1/2"         |                      |
| 1007                             | 1/4"         | 1"             | 3-1/4"         | Air Router           |
| <b>1/4" SHANK - Two Flute</b>    |              |                |                |                      |
| 1012                             | 1/4"         | 1/2"           | 2"             |                      |
| 1013                             | 1/4"         | 3/4"           | 2-1/4"         | Incra®               |
| 1014                             | 1/4"         | 1"             | 2-1/2"         |                      |
| 1016                             | 1/4"         | 1"             | 3"             |                      |
| 1016-01                          | 1/4"         | 1"             | 3-1/4"         | Air Router           |
| 1018                             | 9/32"        | 1"             | 3"             |                      |
| 1019                             | 5/16"        | 1"             | 2-1/2"         | OmniJig® #43300      |
| 1020                             | 5/16"        | 1"             | 2-3/4"         | Leigh #140           |
| 1020X8                           | 5/16"        | 1"             | 2-3/4"         | Leigh #140-8mm Shank |
| 1021                             | 3/8"         | 3/4"           | 2-1/4"         |                      |
| 1022                             | 3/8"         | 1"             | 2-1/2"         | Incra®               |
| 1023                             | 3/8"         | 1-1/4"         | 2-3/4"         |                      |
| 1023A                            | 13/32"       | 1"             | 2-1/2"         |                      |
| 1024                             | 7/16"        | 1"             | 2-1/2"         |                      |
| 1024A                            | 31/64"       | 3/4"           | 2-1/4"         | Plywood Dado         |
| 1025                             | 1/2"         | 3/4"           | 2-1/4"         |                      |
| 1026                             | 1/2"         | 1"             | 2-1/2"         | OmniJig® #43318      |
| 1027                             | 9/16"        | 3/4"           | 2-1/4"         |                      |
| 1027A                            | 19/32"       | 3/4"           | 2-1/4"         | Plywood Dado         |
| 1028                             | 5/8"         | 3/4"           | 2-1/8"         |                      |
| 1029                             | 11/16"       | 3/4"           | 2-1/8"         |                      |
| 1029A                            | 23/32"       | 3/4"           | 2-1/8"         | Plywood Dado         |
| 1030                             | 3/4"         | 3/4"           | 2-1/8"         |                      |
| 1031                             | 3/4"         | 1"             | 2-5/8"         |                      |
| 1033                             | 1"           | 3/4"           | 2-1/8"         |                      |
| 1303                             | 1-1/4"       | 1/2"           | 2-1/8"         | Mortising            |

## 3/8" SHANK STRAIGHT BITS



PART # 1040



| Part #                           | Cutting Dia. | # Of Flutes | Cutting Length | Overall Length | Special Use |
|----------------------------------|--------------|-------------|----------------|----------------|-------------|
| <b>3/8" SHANK - Single Flute</b> |              |             |                |                |             |
| 1035                             | 3/8"         | 1           | 1"             | 2-5/8"         | -           |
| <b>3/8" SHANK - Two Flute</b>    |              |             |                |                |             |
| 1039                             | 3/8"         | 2           | 1"             | 2-5/8"         | -           |
| 1040                             | 3/8"         | 2           | 1-1/4"         | 2-7/8"         | -           |
| 1041                             | 3/8"         | 2           | 1-1/4"         | 3-5/8"         | Air Router  |
| 1043                             | 1/2"         | 2           | 1"             | 2-1/2"         | -           |
| 1045                             | 7/8"         | 2           | 1"             | 2-1/2"         | -           |

## 1/2" SHANK STRAIGHT BITS



PART # 1066



SINGLE FLUTE

TWO FLUTE

| Part #                           | Cutting Dia. | Cutting Length | Overall Length | Special Use          |
|----------------------------------|--------------|----------------|----------------|----------------------|
| <b>1/2" SHANK - Single Flute</b> |              |                |                |                      |
| 1049                             | 3/8"         | 1"             | 2-5/8"         |                      |
| 1050                             | 3/8"         | 1-1/4"         | 2-7/8"         |                      |
| 1051                             | 1/2"         | 3/4"           | 2-3/8"         | Midwest Machine      |
| 1052                             | 1/2"         | 1-1/4"         | 2-7/8"         |                      |
| 1054                             | 1/2"         | 1-1/2"         | 3-1/8"         |                      |
| 1055                             | 1/2"         | 2"             | 4-1/8"         |                      |
| 1055A                            | 1/2"         | 2-1/2"         | 4-3/8"         |                      |
| <b>1/2" SHANK - Two Flute</b>    |              |                |                |                      |
| 1058                             | 1/4"         | 3/4"           | 2-3/8"         | Incra®               |
| 1059                             | 9/32"        | 3/4"           | 2-3/8"         |                      |
| 1060                             | 5/16"        | 1"             | 2-5/8"         |                      |
| 1061                             | 3/8"         | 3/4"           | 2-3/8"         |                      |
| 1062                             | 3/8"         | 1"             | 2-5/8"         | Incra®               |
| 1063                             | 3/8"         | 1-1/4"         | 2-7/8"         |                      |
| 1064A                            | 13/32"       | 1"             | 2-1/2"         | P.C. Dovetail Jig    |
| 1065                             | 7/16"        | 1-1/4"         | 2-7/8"         |                      |
| 1065L                            | 7/16"        | 1-1/4"         | 3-1/4"         | Leigh #150           |
| 1065A                            | 31/64"       | 1"             | 2-5/8"         | Plywood Dado         |
| 1066                             | 1/2"         | 1"             | 2-5/8"         |                      |
| 1067                             | 1/2"         | 1-1/4"         | 2-7/8"         | Leigh #160           |
| 1067F                            | 1/2"         | 1-1/4"         | 2-7/8"         | Carbide Boring Point |
| 1069                             | 1/2"         | 1-1/2"         | 3-1/8"         |                      |
| 1070                             | 1/2"         | 1-1/2"         | 4-1/8"         |                      |
| 1071                             | 1/2"         | 2"             | 3-1/2"         |                      |
| 1072                             | 1/2"         | 2"             | 4-1/8"         |                      |
| 1073                             | 1/2"         | 2-1/2"         | 4-3/8"         |                      |
| 1073-01                          | 1/2"         | 2-1/2"         | 5-1/2"         |                      |
| 1074                             | 17/32"       | 1-1/4"         | 2-7/8"         |                      |
| 1075                             | 9/16"        | 1-1/4"         | 3"             |                      |
| 1075A                            | 19/32"       | 3/4"           | 2-1/4"         | Plywood Dado         |
| 1076                             | 5/8"         | 1"             | 2-1/2"         |                      |
| 1076F                            | 5/8"         | 1"             | 2-1/2"         | Carbide Boring Point |
| 1077                             | 5/8"         | 1-1/4"         | 3"             |                      |
| 1078                             | 5/8"         | 1-1/2"         | 3"             |                      |
| 1079                             | 5/8"         | 2"             | 4"             |                      |
| 1080                             | 21/32"       | 1-1/4"         | 3"             |                      |
| 1082                             | 11/16"       | 1"             | 2-1/2"         |                      |
| 1083                             | 11/16"       | 1-1/4"         | 3"             |                      |
| 1083A                            | 23/32"       | 1"             | 2-1/2"         | Plywood Dado         |
| 1302A                            | 3/4"         | 5/8"           | 2-1/4"         | Mortising            |
| 1084                             | 3/4"         | 1"             | 2-3/4"         |                      |
| 1085                             | 3/4"         | 1-1/4"         | 3"             |                      |
| 1085F                            | 3/4"         | 1-1/4"         | 3"             | Carbide Boring Point |
| 1086                             | 3/4"         | 1-1/2"         | 3-1/4"         |                      |
| 1087                             | 3/4"         | 2"             | 3-5/8"         |                      |
| 1088                             | 25/32"       | 1-1/4"         | 3"             |                      |
| 1090                             | 13/16"       | 1-1/4"         | 3"             |                      |
| 1091                             | 7/8"         | 1-1/4"         | 3"             |                      |
| 1092                             | 15/16"       | 1-1/4"         | 3"             |                      |
| 1093                             | 1"           | 1-1/4"         | 3"             |                      |
| 1093F                            | 1"           | 1-1/4"         | 3"             | Carbide Boring Point |
| 1094                             | 1"           | 1-1/2"         | 3"             |                      |
| 1095                             | 1"           | 2"             | 3-3/4"         |                      |
| 1096                             | 1-1/8"       | 1-1/2"         | 3"             |                      |
| 1304                             | 1-1/4"       | 1/2"           | 2-1/8"         | Mortising            |
| 1097                             | 1-1/4"       | 1-1/2"         | 3"             |                      |
| 1098                             | 1-3/8"       | 1-1/4"         | 3"             |                      |
| 1099                             | 1-1/2"       | 1-1/4"         | 3"             |                      |
| 1100                             | 1-3/4"       | 1-1/4"         | 3"             |                      |
| 1101                             | 2"           | 1-1/4"         | 3"             |                      |



## CNC ROUTER BITS

### Straight Cut



PART # C7525F

CNC tools are designed to meet the severe applications of CNC routing. These tools offer superior performance over standard straight flute bits at the high feed rates commonly found on CNC routers. They also provide an economical alternative to the more expensive spiral bits. For the ultimate in CNC routing, choose from Whiteside's wide selection of Solid Carbide Spiral Bits listed on pages 2-4. **Use on CNC Routers only.**

| Part #            | Cutting Dia. | # Of Flutes | Cutting Length | Overall Length |
|-------------------|--------------|-------------|----------------|----------------|
| <b>1/2" SHANK</b> |              |             |                |                |
| C1067             | 1/2"         | 2           | 1-1/4"         | 2-7/8"         |
| C1069             | 1/2"         | 2           | 1-1/2"         | 3-1/8"         |
| C1072             | 1/2"         | 2           | 2"             | 4-1/8"         |
| <b>5/8" SHANK</b> |              |             |                |                |
| C6310             | 5/8"         | 2           | 1-1/4"         | 3"             |
| C6320             | 5/8"         | 2           | 2"             | 4"             |
| * 1260            | 3/4"         | 1+1         | 2"             | 5"             |
| <b>3/4" SHANK</b> |              |             |                |                |
| C7512             | 3/4"         | 2           | 1-1/4"         | 3"             |
| C7515             | 3/4"         | 2           | 1-1/2"         | 3-1/4"         |
| C7520             | 3/4"         | 2           | 2"             | 4"             |
| C7520F            | 3/4"         | 2           | 2"             | 4"             |
| C7520V            | 3/4"         | 2           | 2"             | 4"             |
| * 1270            | 3/4"         | 1+1         | 2"             | 4"             |
| C7525             | 3/4"         | 2           | 2-1/2"         | 4-1/2"         |
| C7525F            | 3/4"         | 2           | 2-1/2"         | 4-1/2"         |
| C8820V            | 7/8"         | 2           | 2"             | 4"             |

F- Supplied with Carbide Flat Bottom Boring Point  
 V- Supplied with Carbide Vee Bottom Boring Point  
 \* 1260 and 1270 are 1+1 Compression Bits

## LEFT HAND - STRAIGHT CUT

### Double Flute

| Part #            | Cutting Dia. | Cutting Length | Overall Length |
|-------------------|--------------|----------------|----------------|
| <b>1/2" SHANK</b> |              |                |                |
| 1062LH            | 3/8"         | 1"             | 2-5/8"         |
| 1066LH            | 1/2"         | 1"             | 2-5/8"         |
| 1069LH            | 1/2"         | 1-1/2"         | 3-1/8"         |
| 1072LH            | 1/2"         | 2"             | 4-1/8"         |
| 1085LH            | 3/4"         | 1-1/4"         | 3"             |
| <b>3/4" SHANK</b> |              |                |                |
| 1105LH            | 3/4"         | 2"             | 5"             |
| * 1126LH          | 3/4"         | 2-1/2"         | 5"             |
| * 1128LH          | 3/4"         | 2-1/2"         | 5-1/2"         |



PART # 1085LH

\* Recommended for "Topmaster" machines.  
 NOTE: Left Hand Spiral Bits also available, see pg. 3.

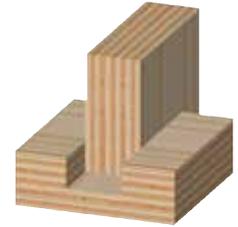
## STRAIGHT CUT CABINET DADO BITS

### For Undersized Plywood

### Double Flute



PART # 1027A



| Part #                        | Cutting Dia. | Plywood Size | Cutting Length | Overall Length |
|-------------------------------|--------------|--------------|----------------|----------------|
| <b>1/4" SHANK - Two Flute</b> |              |              |                |                |
| <sup>SC</sup> SC13            | 7/32"        | 1/4" / 5.5mm | 3/4"           | 2"             |
| 1024A                         | 31/64"       | 1/2"         | 3/4"           | 2-1/4"         |
| 1027A                         | 19/32"       | 5/8"         | 3/4"           | 2-1/4"         |
| 1029A                         | 23/32"       | 3/4"         | 3/4"           | 2-1/8"         |
| <b>1/2" SHANK - Two Flute</b> |              |              |                |                |
| <sup>SC</sup> SC218           | 7/32"        | 1/4" / 5.5mm | 3/4"           | 2-3/4"         |
| <sup>SC</sup> SC235           | 15/64"       | 15/64" / 6mm | 3/4"           | 2-3/4"         |
| 1065A                         | 31/64"       | 1/2"         | 1"             | 2-5/8"         |
| 1075A                         | 19/32"       | 5/8"         | 3/4"           | 2-1/4"         |
| 1083A                         | 23/32"       | 3/4"         | 1"             | 2-1/2"         |

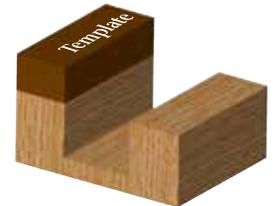
<sup>SC</sup> Solid Carbide

## TEMPLATE BITS

### Ball Bearing Guide



PART #3008



| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|-------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |                |
| * 3000A           | 1/2"         | 1/8"           | 1-3/4"         | B9             |
| * 3000            | 1/2"         | 1/4"           | 1-7/8"         | B9             |
| 3001              | 1/2"         | 1/2"           | 2"             | B9             |
| 3002              | 1/2"         | 3/4"           | 2-1/4"         | B9             |
| 3004              | 1/2"         | 1"             | 2-1/2"         | B9             |
| * 3006            | 5/8"         | 1/4"           | 1-3/4"         | B6             |
| K41               | 5/8"         | 1/2"           | 2-1/4"         | B6             |
| K43               | 5/8"         | 3/4"           | 2-1/2"         | B6             |
| 3008              | 5/8"         | 1"             | 2-1/2"         | B6             |
| * 3010            | 3/4"         | 1/4"           | 1-3/4"         | B4             |
| 3012              | 3/4"         | 3/4"           | 2-3/8"         | B4             |
| 3014              | 3/4"         | 1"             | 2-5/8"         | B4             |
| <b>3/8" SHANK</b> |              |                |                |                |
| 3015              | 7/8"         | 1"             | 2-5/8"         | B12            |
| <b>1/2" SHANK</b> |              |                |                |                |
| 3016              | 1-1/8"       | 1"             | 3"             | B11            |
| 3018              | 1-1/8"       | 1-1/2"         | 3-1/2"         | B11            |
| 3019              | 1-1/8"       | 2"             | 4"             | B11            |
| *** 3020          | 3/4"         | 1"             | 2-3/4"         | ***B19         |
| *** 3021          | 3/4"         | 1-1/4"         | 3"             | ***B19         |
| *** 3022          | 3/4"         | 1-1/2"         | 3-1/4"         | ***B19         |
| 3022A             | 7/8"         | 1-1/2"         | 3-1/2"         | B13            |
| *** 3023          | 3/4"         | 2"             | 3-5/8"         | ***B19         |

\* Dado Clean out bits. Use to Square the bottom of dado cuts made on a table saw.

\*\*\* Whiteside recommends using bits over 3/4" diameter in 1/2" shank whenever possible due to the fragile nature of the B19 bearing.



## STAGGERTOOTH BITS

Straight Flute



PART # 1203

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| 1203   | 1/2"       | 1/2"         | 2-1/8"         | 4"             |
| 1205   | 1/2"       | 1/2"         | 2-5/8"         | 5-1/2"         |

## MORTISE BITS



PART # 1301



| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| 1300   | 1/4"       | 1/2"         | 3/4"           | 2-1/8"         |
| 1301   | 1/4"       | 5/8"         | 3/4"           | 2-1/8"         |
| 1302   | 1/4"       | 3/4"         | 3/4"           | 2-1/8"         |
| 1303   | 1/4"       | 1-1/4"       | 1/2"           | 2-1/8"         |
| 1302A  | 1/2"       | 3/4"         | 5/8"           | 2-1/4"         |
| 1304   | 1/2"       | 1-1/4"       | 1/2"           | 2-1/8"         |

If you need a square corner on your mortise, use Whiteside's Square Corner Chisel (see page 34).

## EURO STEP MORTISE BITS

These bits are designed to route the mortise with groove in a door edge to accept eurogroove lock hardware.



PART # 1255

| Part # | Shank Dia. | Small Dia. | Large Dia. | Hardware Brand |
|--------|------------|------------|------------|----------------|
| 1253   | 1/2"       | 0.500"     | 0.630"     | Hoppe          |
| 1255   | 1/2"       | 0.486"     | 0.642"     | GU             |

## SCREW TYPE HELIX MORTISE

With Downshear Cutter Only



PART # 13750

| Part #     | Cutting Diameter |         | Cutting Length | Overall Length |
|------------|------------------|---------|----------------|----------------|
|            | Fractional       | Decimal |                |                |
| 13-500     | 1/2"             | .500"   | 5/8"           | 7/8"           |
| 13-515     | 33/64"           | .515"   | 5/8"           | 7/8"           |
| 13-531     | 17/32"           | .531"   | 5/8"           | 7/8"           |
| 13-562     | 9/16"            | .562"   | 5/8"           | 7/8"           |
| 13-625     | 5/8"             | .625"   | 5/8"           | 7/8"           |
| 13-640     | 41/64"           | .640"   | 5/8"           | 7/8"           |
| 13-656     | 21/32"           | .656"   | 5/8"           | 7/8"           |
| 13-687     | 11/16"           | .687"   | 5/8"           | 7/8"           |
| 13-719     | 23/32"           | .719"   | 5/8"           | 7/8"           |
| 13-750     | 3/4"             | .750"   | 5/8"           | 7/8"           |
| 13-765     | 49/64"           | .765"   | 5/8"           | 7/8"           |
| 13-781     | 25/32"           | .781"   | 5/8"           | 7/8"           |
| 13-812     | 13/16"           | .812"   | 5/8"           | 7/8"           |
| 13-875     | 7/8"             | .875"   | 5/8"           | 7/8"           |
| 13-937     | 15/16"           | .937"   | 5/8"           | 7/8"           |
| 13-1000    | 1"               | 1"      | 1/2"           | 1/2"           |
| 13-1125    | 1-1/8"           | 1.125"  | 1/2"           | 1/2"           |
| 13-1250    | 1-1/4"           | 1.25"   | 1/2"           | 1/2"           |
| * 13-1250A | 1-1/4"           | 1.25"   | 1/2"           | 1/2"           |

\* 13-1250A supplied with 5/16"-24 threads.  
All others supplied with 1/4"-28 threads.  
Special cutting diameters available by special order.

## CHAIRMAKING RABBET BITS

With +5°, -5°, and Neutral Edges

These bits were made specifically for cutting the seat-to-leg tapered joints on "Malool inspired" rocking chairs.



PART # 09-165

PART # 09-163

PART # 09-164

| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| 09-163 | 1/2"       | 1" + 5°      | 5/8"           | 2-1/2"         |
| 09-164 | 1/2"       | 1" - 5°      | 5/8"           | 2-1/2"         |
| 09-165 | 1/2"       | 1" Straight  | 5/8"           | 2-1/2"         |

5° Replacement Bearings: #09-163B or #09-164B.  
#09-165 uses a B3 Bearing.

## HELIX MORTISE ARBORS

| Part #     | Shank Dia. | Thread   | Overall Length |
|------------|------------|----------|----------------|
| HMA-1/4    | 1/4"       | 1/4"-28  | 1-3/4"         |
| HMA-1/2    | 1/2"       | 1/4"-28  | 1-3/4"         |
| * HMA-1/4A | 1/4"       | 5/16"-24 | 1-3/4"         |
| * HMA-1/2A | 1/2"       | 5/16"-24 | 1-3/4"         |



PART # HMA-1/4

\* Fits #13-1250A only



## BOWL & TRAY

### BOWL & TRAY BITS

| Part #            | Cutting Dia. | Radius | Cutting Length | Overall Length |
|-------------------|--------------|--------|----------------|----------------|
| <b>1/4" SHANK</b> |              |        |                |                |
| 1370              | 7/16"        | 1/8"   | 5/16"          | 2-1/8"         |
| 1372              | 3/4"         | 1/4"   | 5/8"           | 2-3/8"         |
| * 1372B           | 3/4"         | 1/4"   | 5/8"           | 2-3/8"         |
| <b>1/2" SHANK</b> |              |        |                |                |
| 1374              | 3/4"         | 1/4"   | 5/8"           | 2-3/8"         |
| * 1374B           | 3/4"         | 1/4"   | 5/8"           | 2-3/8"         |
| 1376              | 1-1/4"       | 1/4"   | 1/2"           | 2-1/4"         |
| * 1376B           | 1-1/4"       | 1/4"   | 1/2"           | 2-1/4"         |



PART # 1372

\* Supplied with bearing on shank for pattern template routing.

## ROUND NOSE

### ROUND NOSE (CORE BOX)

| Part #             | Cutting Dia. | Radius | Cutting Length | Overall Length |
|--------------------|--------------|--------|----------------|----------------|
| <b>1/4" SHANK</b>  |              |        |                |                |
| <sup>sc</sup> SC39 | 1/8"         | 1/16"  | 1/4"           | 2"             |
| <sup>sc</sup> SC40 | 3/16"        | 3/32"  | 3/8"           | 2"             |
| <sup>sc</sup> SC41 | 1/4"         | 1/8"   | 1/2"           | 2"             |
| 1403               | 3/8"         | 3/16"  | 1/2"           | 2"             |
| 1404               | 1/2"         | 1/4"   | 5/8"           | 2-1/4"         |
| 1405               | 5/8"         | 5/16"  | 3/8"           | 2"             |
| 1406               | 3/4"         | 3/8"   | 7/16"          | 2"             |
| <b>1/2" SHANK</b>  |              |        |                |                |
| 1407               | 3/8"         | 3/16"  | 1"             | 2-5/8"         |
| 1408               | 1/2"         | 1/4"   | 1-1/4"         | 2-7/8"         |
| 1410               | 5/8"         | 5/16"  | 1-1/4"         | 2-7/8"         |
| 1411               | 3/4"         | 3/8"   | 1-1/4"         | 2-7/8"         |
| 1412               | 7/8"         | 7/16"  | 1-1/4"         | 2-7/8"         |
| 1413               | 1"           | 1/2"   | 1-1/4"         | 2-7/8"         |
| 1414               | 1-1/4"       | 5/8"   | 1-1/4"         | 3"             |
| 1415               | 1-1/2"       | 3/4"   | 1-1/4"         | 3"             |
| 1416               | 1-3/4"       | 7/8"   | 1-1/4"         | 3"             |
| 1417               | 2"           | 1"     | 1-1/4"         | 3"             |
| <b>3/4" SHANK</b>  |              |        |                |                |
| 1420               | 3/4"         | 3/8"   | 2"             | 4"             |



PART # 1410

<sup>sc</sup> Solid Carbide

### ROUND NOSE WITH BEARING GUIDE

The addition of a shank mounted bearing extends the use of our round nose bits in lettering, veining, or decorative cuts when following a template.



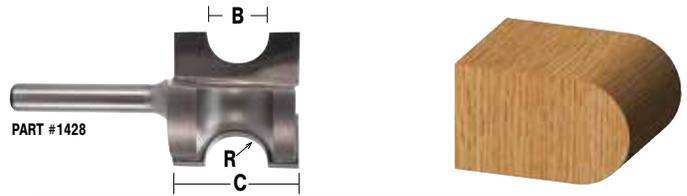
PART # 1404B



| Part #            | Cutting Dia. | Radius | Cutting Length | Bearing Number |
|-------------------|--------------|--------|----------------|----------------|
| <b>1/4" SHANK</b> |              |        |                |                |
| 1404B             | 1/2"         | 1/4"   | 5/8"           | B9             |
| 1405B             | 5/8"         | 5/16"  | 3/8"           | B6             |
| 1406B             | 3/4"         | 3/8"   | 7/16"          | B4             |

## HALF ROUND

### HALF ROUND (BULL NOSE)



PART #1428

| Part #            | "R" Radius | "B" Opening of Cutter | "C" Cutting Length | Large Dia. |
|-------------------|------------|-----------------------|--------------------|------------|
| <b>1/4" SHANK</b> |            |                       |                    |            |
| 1426              | 1/8"       | 1/4"                  | 9/16"              | 7/8"       |
| 1427              | 3/16"      | 3/8"                  | 7/8"               | 1"         |
| 1428              | 1/4"       | 1/2"                  | 1"                 | 1-1/8"     |
| <b>1/2" SHANK</b> |            |                       |                    |            |
| 1429              | 3/32"      | 3/16"                 | 1/2"               | 3/4"       |
| 1430              | 1/8"       | 1/4"                  | 9/16"              | 7/8"       |
| 1431              | 3/16"      | 3/8"                  | 7/8"               | 1"         |
| 1432              | 1/4"       | 1/2"                  | 1"                 | 1-1/8"     |
| 1432A             | 5/16"      | 5/8"                  | 1"                 | 1-1/4"     |
| 1433              | 3/8"       | 3/4"                  | 1-1/4"             | 1-5/8"     |
| 1433A             | 7/16"      | 7/8"                  | 1-1/2"             | 1-7/8"     |
| 1434              | 1/2"       | 1"                    | 1-1/2"             | 1-15/16"   |
| 1434A             | 9/16"      | 1-1/8"                | 1-1/2"             | 1-15/16"   |
| 1435              | 5/8"       | 1-1/4"                | 1-3/4"             | 2-3/16"    |
| 1436              | 3/4"       | 1-1/2"                | 1-7/8"             | 2-7/16"    |

Note - Large diameter minus "B" opening equals small diameter.

### PLUNGE CUT HAND GRIP

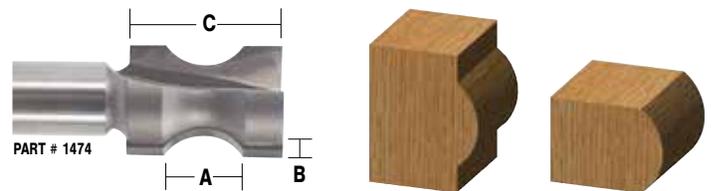


PART #1440

| Part # | Shank Dia. | "A" Bead Opening | "B" Bead Depth | Cutting Length | Overall Length |
|--------|------------|------------------|----------------|----------------|----------------|
| 1440   | 1/2"       | 7/8"             | 1/4"           | 1-3/8"         | 3-1/2"         |

Use with B11 bearing and LC-1/2 lock collar on shank for guide template routing.

### OVAL EDGE (HALF BULL NOSE)



PART # 1474

| Part # | Shank Dia. | "A" Bead Opening | "B" Bead Depth | "C" Cutting Length | Large Dia. |
|--------|------------|------------------|----------------|--------------------|------------|
| 1470   | 1/2"       | 7/8"             | 5/32"          | 1-1/4"             | 13/16"     |
| 1474   | 1/2"       | 1/2"             | 1/8"           | 1"                 | 3/4"       |
| 1476   | 1/2"       | 3/4"             | 3/16"          | 1-1/4"             | 1"         |
| 1478   | 1/2"       | 1"               | 3/16"          | 1-1/4"             | 1"         |
| 1480   | 1/2"       | 1-1/2"           | 1/4"           | 1-3/4"             | 1-1/4"     |



## V GROOVE

### 60° INCLUDED ANGLE - V Groove

| Part #            | Cutting Dia. | Point Length | Overall Length |
|-------------------|--------------|--------------|----------------|
| <b>1/4" SHANK</b> |              |              |                |
| sc 1540           | 1/4"         | 7/32"        | 1-1/2"         |
| sc 1541 **        | 1/4"         | 7/32"        | 2"             |
| 1550              | 1/2"         | 7/16"        | 2"             |
| <b>1/2" SHANK</b> |              |              |                |
| 1560              | 1/2"         | 7/16"        | 2-1/4"         |



sc Solid Carbide

\*\*#1541 features three flutes for improved veining

### 90° INCLUDED ANGLE - V Groove

| Part #            | Cutting Dia. | Point Length | Overall Length |
|-------------------|--------------|--------------|----------------|
| <b>1/4" SHANK</b> |              |              |                |
| sc 1500           | 1/4"         | 1/8"         | 1-1/2"         |
| 1501              | 3/8"         | 3/16"        | 1-7/8"         |
| 1502              | 1/2"         | 1/4"         | 1-7/8"         |
| <b>1/2" SHANK</b> |              |              |                |
| 1503              | 1/2"         | 1/4"         | 2"             |
| 1504              | 3/4"         | 3/8"         | 2-1/4"         |
| 1506              | 1"           | 1/2"         | 2-1/4"         |
| 1508              | 1-1/2"       | 3/4"         | 2-5/8"         |



sc Solid Carbide

Not for miter folding.

### 120° INCLUDED ANGLE - V Groove

| Part #            | Cutting Dia. | Point Length | Overall Length |
|-------------------|--------------|--------------|----------------|
| <b>1/4" SHANK</b> |              |              |                |
| 1554              | 3/4"         | 7/32"        | 2"             |
| <b>1/2" SHANK</b> |              |              |                |
| 1564              | 3/4"         | 7/32"        | 2-1/4"         |
| 1566              | 1-1/2"       | 7/16"        | 2-1/4"         |



## POINT CUTTING ROUNDOVER

### POINT CUTTING ROUNDOVER

Decorative Trimming & Lettering



| Part #            | Cutting Dia. | Radius | Cutting Length | Overall Length |
|-------------------|--------------|--------|----------------|----------------|
| <b>1/4" SHANK</b> |              |        |                |                |
| 1568              | 1/4"         | 1/8"   | 1/4"           | 2"             |
| 1570              | 3/8"         | 3/16"  | 1/2"           | 2"             |
| 1572              | 1/2"         | 1/4"   | 1/2"           | 2"             |
| 1574              | 3/4"         | 3/8"   | 5/8"           | 2"             |
| <b>1/2" SHANK</b> |              |        |                |                |
| 1580              | 3/4"         | 3/8"   | 5/8"           | 2-1/4"         |
| 1582              | 1"           | 1/2"   | 3/4"           | 2-3/8"         |

Point Cutting Roundovers are not guaranteed against breakage.

## PANEL

### PANEL BITS

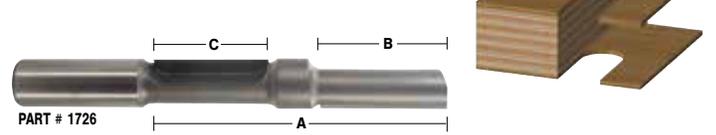
#### Pilot Plunge Point



| Part #              | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|---------------------|------------|--------------|----------------|----------------|
| <b>SINGLE FLUTE</b> |            |              |                |                |
| 1700                | 1/4"       | 1/4"         | 3/4"           | 2-5/8"         |
| 1700-01             | 1/4"       | 1/4"         | 7/8"           | 2-5/8"         |
| 1701                | 3/8"       | 3/8"         | 1-1/8"         | 3-3/8"         |
| 1701A               | 3/8"       | 3/8"         | 1"             | 3"             |
| 1702                | 1/2"       | 1/2"         | 1-1/4"         | 4"             |
| 1702A               | 1/2"       | 1/2"         | 1-1/4"         | 3-5/8"         |
| <b>TWO FLUTE</b>    |            |              |                |                |
| 1704                | 1/4"       | 3/8"         | 1"             | 3-1/4"         |
| 1705                | 3/8"       | 3/8"         | 1"             | 3"             |
| 1706                | 1/2"       | 1/2"         | 1-1/4"         | 4"             |

### STAGGERTOOTH PANEL BIT

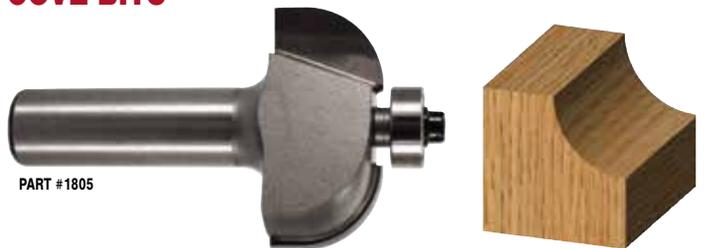
With Center Pilot



| Part # | Shank Dia. | Cutting Dia. | "A" Cutting Length | "B" Flute Length | "C" Flute Length | Overall Length |
|--------|------------|--------------|--------------------|------------------|------------------|----------------|
| 1730   | 1/2"       | 1/2"         | 2-7/8"             | 1"               | 1-1/4"           | 4-1/4"         |

## COVE

### COVE BITS



| Part #            | Radius | Large Dia. | Cutting Length | Bearing Number |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 1800A             | 3/16"  | 7/8"       | 1/2"           | B3             |
| 1800              | 1/4"   | 1"         | 1/2"           | B3             |
| 1801              | 3/8"   | 1-1/4"     | 1/2"           | B3             |
| 1802              | 1/2"   | 1-1/2"     | 5/8"           | B3             |
| <b>1/2" SHANK</b> |        |            |                |                |
| 1803              | 1/4"   | 1"         | 1/2"           | B3             |
| 1804              | 3/8"   | 1-1/4"     | 1/2"           | B3             |
| 1805              | 1/2"   | 1-1/2"     | 5/8"           | B3             |
| 1806              | 5/8"   | 1-3/4"     | 3/4"           | B3             |
| 1807              | 3/4"   | 2"         | 7/8"           | B3             |
| 1810              | 1"     | 2-1/2"     | 1"             | B3             |

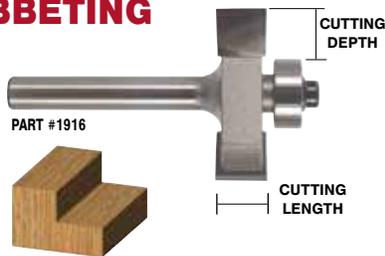


## RABBET BITS



| Part #            | Large Dia. | Cutting Length | Cutting Depth | Bearing Number |
|-------------------|------------|----------------|---------------|----------------|
| <b>1/4" SHANK</b> |            |                |               |                |
| 1880              | 7/8"       | 1/2"           | 1/4"          | B2             |
| 1900              | 1-1/4"     | 1/2"           | 3/8"          | B3             |
| 1951              | 1-3/8"     | 1/2"           | 1/2"          | B2             |
| <b>1/2" SHANK</b> |            |                |               |                |
| 1885              | 7/8"       | 5/8"           | 1/4"          | B2             |
| 1901              | 1-1/4"     | 1/2"           | 3/8"          | B3             |
| 1954              | 1-3/8"     | 1/2"           | 1/2"          | B2             |
| 1959              | 1-7/8"     | 1"             | 3/4"          | B2             |

## SLOTING & RABBETING



Wood blocks are not to scale.

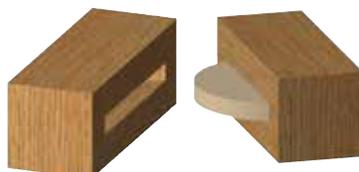
| Part #            | Large Dia. | Cutting Length | Cutting Depth | Overall Length |
|-------------------|------------|----------------|---------------|----------------|
| <b>1/4" SHANK</b> |            |                |               |                |
| 1904              | 1-1/4"     | 1/8"           | 3/8"          | 2"             |
| * 1908            | 1-1/2"     | 5/32"          | 1/2"          | 1-3/4"         |
| 1912              | 1-1/4"     | 1/4"           | 3/8"          | 2"             |
| 1916              | 1-1/4"     | 3/8"           | 3/8"          | 2"             |
| 1920              | 1-1/2"     | 1/2"           | 1/2"          | 2"             |
| <b>1/2" SHANK</b> |            |                |               |                |
| 1906              | 1-1/4"     | 1/8"           | 3/8"          | 2"             |
| * 1910            | 1-1/2"     | 5/32"          | 1/2"          | 2"             |
| 1914              | 1-1/4"     | 1/4"           | 3/8"          | 2"             |
| 1918              | 1-1/4"     | 3/8"           | 3/8"          | 2-1/8"         |
| 1922              | 1-1/2"     | 1/2"           | 1/2"          | 2-1/4"         |
| 1924              | 1-1/4"     | 3/4"           | 3/8"          | 2-1/2"         |

\* Proper Size for Biscuit Joining  
B3 Bearing supplied

**BB501** - Bearing kit with wrench (see pg. 35). Increase the versatility of your Rabbeting Bits by simply changing the bearing size to vary your cutting depth. This set allows 1/4", 5/16", 3/8", & 7/16" cutting depth on all 1-1/4" bits or 3/8", 7/16", 1/2", & 9/16" cutting depth on all 1-1/2" bits.

## BISCUIT JOINING KIT

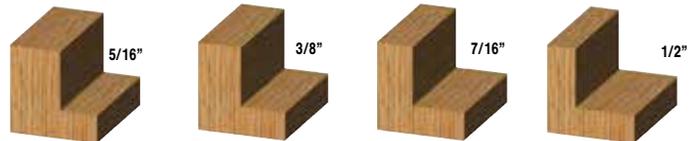
| Part # | Description    |
|--------|----------------|
| 1940   | 1/4" Shank Kit |
| 1945   | 1/2" Shank Kit |



This kit contains our 5/32" Rabbeting Bit with 1/2" B3 bearing for cutting slots to fit #20 Biscuits. Also includes alternate bearings B14 and B15 to cut slots for #0 and #10 Biscuits. Hex Wrench included.

## MULTI RABBET SET

Change your Rabbet depth by changing the bearing! Set includes all eight bearings to make each of the cuts shown. Hex Wrench included.

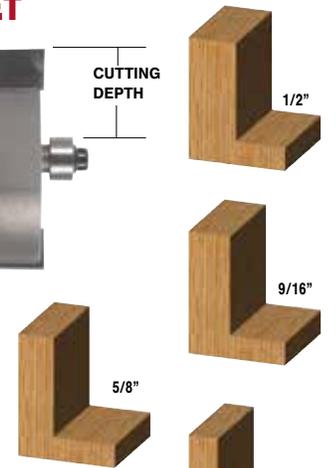
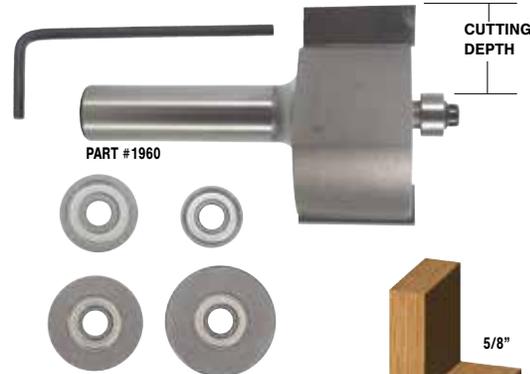


Wood blocks are not to scale.

| Part # | Large Dia. | Cutting Length | Description    |
|--------|------------|----------------|----------------|
| 1952   | 1-3/8"     | 1/2"           | 1/4" Shank Set |
| 1955   | 1-3/8"     | 1/2"           | 1/2" Shank Set |

Sets are organized and protected in a plastic case.

## DEEP MULTI RABBET SET



Wood blocks are not to scale.

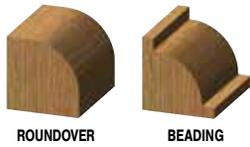
| Part # | Large Dia. | Cutting Length | Description    |
|--------|------------|----------------|----------------|
| 1960   | 1-7/8"     | 1"             | 1/2" Shank Set |

Sets are organized and protected in a plastic case.



## ROUND OVER & BEADING

### Ball Bearing Guide

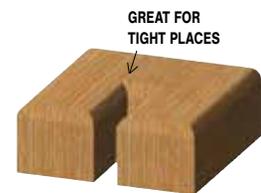


| Roundover Part #  | Beading Part # | Radius | Large Dia. | Cutting Length |
|-------------------|----------------|--------|------------|----------------|
| <b>1/4" SHANK</b> |                |        |            |                |
| 2000A             | 2100A          | 1/16"  | 5/8"       | 1/2"           |
| 2000B             |                | 3/32"  | 11/16"     | 1/2"           |
| 2000C             | 2100C          | 1/8"   | 3/4"       | 1/2"           |
| 2000D             | 2100D          | 5/32"  | 13/16"     | 1/2"           |
| 2000              | 2100           | 3/16"  | 7/8"       | 1/2"           |
| 2001              | 2101           | 1/4"   | 1"         | 1/2"           |
| 2002              | 2102           | 5/16"  | 1-1/8"     | 1/2"           |
| 2003              | 2103           | 3/8"   | 1-1/4"     | 5/8"           |
| 2004              | 2104           | 1/2"   | 1-1/2"     | 3/4"           |
| <b>1/2" SHANK</b> |                |        |            |                |
| 2005C             | 2105C          | 1/8"   | 3/4"       | 1/2"           |
| 2005              | 2105           | 3/16"  | 7/8"       | 1/2"           |
| 2006              | 2106           | 1/4"   | 1"         | 1/2"           |
| 2007              | 2107           | 5/16"  | 1-1/8"     | 1/2"           |
| 2008              | 2108           | 3/8"   | 1-1/4"     | 5/8"           |
| 2008A             |                | 7/16"  | 1-3/8"     | 5/8"           |
| 2009              | 2109           | 1/2"   | 1-1/2"     | 3/4"           |
| 2009A             |                | 5/8"   | 1-3/4"     | 1"             |
| 2009B             |                | 9/16"  | 1-5/8"     | 3/4"           |
| 2010              | 2110           | 3/4"   | 2"         | 1"             |
| 2011              |                | 7/8"   | 2-1/4"     | 1-1/8"         |
| 2012              |                | 1"     | 2-1/2"     | 1-5/16"        |
| 2014              |                | 1-1/4" | 3-1/4"     | 1-3/4"         |
| 2015              |                | 1-3/8" | 3-1/2"     | 1-3/4"         |
| 2016              |                | 1-1/2" | 3-3/4"     | 1-7/8"         |

Bearing: Use B2 for Beading Use B3 for Roundover  
Use B4 for 2014 thru 2016

## ROUND OVER BITS

### Small Pilot

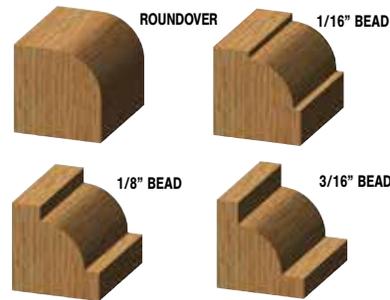


Extra small brass pilot (5/32" dia.) allows these bits to roundover edges on finely detailed workpieces with intricate contours, tight confines, and narrow openings. These bits give professional results without all the tedious hand sanding. Carbide cutting edges far outlast comparable high speed steel bits.

| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 1978              | 1/16"  | 3/8"       | 7/16"          | 2"             |
| 1980              | 1/8"   | 3/8"       | 7/16"          | 2"             |
| 1982              | 1/4"   | 5/8"       | 1/2"           | 2-1/8"         |
| 1984              | 3/8"   | 7/8"       | 5/8"           | 2-1/4"         |

## MULTI-BEADING SETS

### For Extra Deep Beading



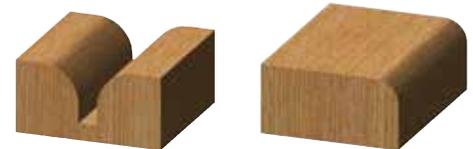
Roundover and More! Conventional Beading only cuts a shallow 1/16" bead. Expand your capabilities with these versatile sets. Deeper beads create a more pronounced edge on larger pieces. Includes all four bearings and Hex Key Wrench.

Wood blocks are not to scale.

| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |        |            |                |                |
| 2040B             | 1/4"   | 1-1/4"     | 1/2"           | 2-3/8"         |
| 2042B             | 3/8"   | 1-1/2"     | 5/8"           | 2-1/2"         |
| 2044B             | 1/2"   | 1-3/4"     | 3/4"           | 2-5/8"         |

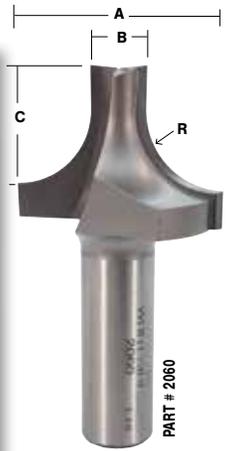
## PLUNGE ROUND OVER

### With Plunge Point



## ROUND OVER & EDGE TRIM (Traditional)

| Part #            | "R" Radius | "A" Large Dia. | "B" Small Dia. | "C" Pattern Length |
|-------------------|------------|----------------|----------------|--------------------|
| <b>1/4" SHANK</b> |            |                |                |                    |
| 2050              | 1/8"       | 3/8"           | 1/8"           | 1/4"               |
| 2051              | 3/16"      | 5/8"           | 1/4"           | 1/8"               |
| 2052              | 1/4"       | 3/4"           | 1/4"           | 3/8"               |
| <b>1/2" SHANK</b> |            |                |                |                    |
| 2055              | 1/4"       | 3/4"           | 1/4"           | 1/4"               |
| 2056              | 1/4"       | 3/4"           | 1/4"           | 3/8"               |
| 2057              | 3/8"       | 1"             | 1/4"           | 5/16"              |
| 2058              | 3/8"       | 1"             | 1/4"           | 9/16"              |
| 2060              | 1/2"       | 1-3/8"         | 3/8"           | 3/4"               |
| 2062              | 9/16"      | 1-5/8"         | 1/2"           | 1"                 |
| 2064              | 5/8"       | 1-3/4"         | 1/2"           | 1-1/16"            |
| 2066              | 3/4"       | 2"             | 1/2"           | 1-1/8"             |



## ROUND OVER & EDGE TRIM (Long Nose)

| Part #            | "R" Radius | "A" Large Dia. | "B" Small Dia. | "C" Pattern Length |
|-------------------|------------|----------------|----------------|--------------------|
| <b>1/2" SHANK</b> |            |                |                |                    |
| * 2068            | 3/16"      | 1"             | 1/2"           | 13/16"             |
| ** 2070           | 3/16"      | 1"             | 1/2"           | 1-5/16"            |
| * 2072            | 1/4"       | 1-1/8"         | 1/2"           | 13/16"             |
| ** 2074           | 1/4"       | 1-1/8"         | 1/2"           | 1-5/16"            |
| * 2076            | 3/8"       | 1-3/8"         | 1/2"           | 13/16"             |



\* Edge Trim for 3/4" stock

\*\* Edge Trim for 1-1/4" stock



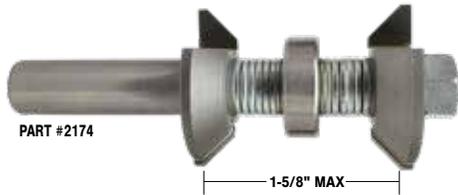
## DOUBLE EDGE

### DOUBLE ROUNDOVER AND DOUBLE CHAMFER

With Adjustable Cutting Length



Roundover



45° Chamfer

| Part #            | Radius | Large Dia. | Overall Length |
|-------------------|--------|------------|----------------|
| <b>1/2" SHANK</b> |        |            |                |
| 2160              | 1/8"   | 1-1/8"     | 3-3/4"         |
| 2162              | 3/16"  | 1-1/4"     | 3-3/4"         |
| 2164              | 1/4"   | 1-3/8"     | 3-3/4"         |
| 2174              | 45°    | 1-3/8"     | 3-3/4"         |



1/16" Bead

Assemblies sold with B5 Bearing for flush roundover.  
 Use B20 Bearing for 1/16" Bead.  
 Use B27 Bearing for 1/8" Bead.  
 Replacement Cutter Heads: Add RH to part number for cutter next to shank.  
 Add LH to Part Number for end cutter. Example: 2160LH

## ROMAN OGEE

### ROMAN OGEE



2203

| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 2200              | 5/32"  | 1-1/8"     | 9/16"          | 2"             |
| 2201              | 1/4"   | 1-1/2"     | 11/16"         | 2-1/4"         |
| <b>1/2" SHANK</b> |        |            |                |                |
| 2202              | 5/32"  | 1-1/8"     | 9/16"          | 2-1/4"         |
| 2203              | 1/4"   | 1-1/2"     | 11/16"         | 2-3/8"         |
| 2210              | 3/8"   | 2"         | 1"             | 2-3/4"         |

Bearing Number: B3

ACTUAL SIZE



2200/2202



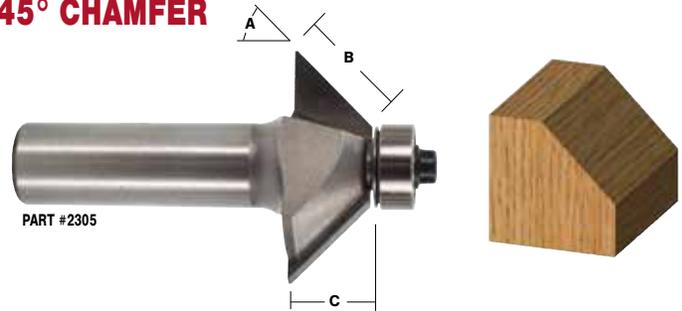
2201/2203



2210

## CHAMFER / BEVEL

### 45° CHAMFER



| Part #            | "A" Degree of Angle | "B" Cutting Length | "C" Cutting Height | Large Dia. |
|-------------------|---------------------|--------------------|--------------------|------------|
| <b>1/4" SHANK</b> |                     |                    |                    |            |
| * 2292            | 45°                 | 7/16"              | 5/16"              | 1"         |
| 2302              | 45°                 | 5/8"               | 7/16"              | 1-3/8"     |
| <b>1/2" SHANK</b> |                     |                    |                    |            |
| 2305              | 45°                 | 5/8"               | 7/16"              | 1-3/8"     |
| 2306              | 45°                 | 1-1/16"            | 3/4"               | 2"         |
| 2310              | 45°                 | 1-1/2"             | 1-1/16"            | 2-5/8"     |

Bearing Number: B3 (Use B2 on #2292)  
 \* 2292 has 1" large diameter for use in trim routers.

### EDGE BEVEL



| Part #            | "A" Degree of Angle | "B" Cutting Length | "C" Cutting Height | Large Dia. |
|-------------------|---------------------|--------------------|--------------------|------------|
| <b>1/4" SHANK</b> |                     |                    |                    |            |
| * 2298            | 7°                  | 7/16"              | 3/8"               | 9/16"      |
| 2300              | 15°                 | 1/2"               | 1/2"               | 7/8"       |
| * 2300A           | 15°                 | 1/4"               | 1/4"               | 3/4"       |
| 2301              | 25°                 | 9/16"              | 1/2"               | 1"         |
| <sup>1</sup> 2308 | 30°                 | 7/8"               | 3/4"               | 1-3/8"     |
| <b>1/2" SHANK</b> |                     |                    |                    |            |
| <sup>3</sup> 2325 | 15°                 | 1"                 | 15/16"             | 1-1/8"     |
| <sup>2</sup> 2307 | 22.5°               | 15/16"             | 7/8"               | 1-1/4"     |
| <sup>1</sup> 2309 | 30°                 | 7/8"               | 3/4"               | 1-3/8"     |
| 2318              | 60°                 | 1-1/8"             | 9/16"              | 2-1/2"     |

Bearing Number: B3  
 \* Used on Laminate Trim  
<sup>1</sup> Used for six sided boxes  
<sup>2</sup> Used for eight sided boxes  
<sup>3</sup> Used for twelve sided boxes

ACTUAL SIZE



15° Bevel



30° Bevel



60° Bevel



## FLUSH TRIM

### FLUSH TRIM

*Two Flute*



PART #2400



PART #2405

| Part #                             | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|------------------------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b>                  |              |                |                |                |
| 2400                               | 3/8"         | 1"             | 2-5/8"         | B1             |
| 2401                               | 3/8"         | 1/2"           | 2-1/8"         | B1             |
| 2402                               | 1/2"         | 1"             | 2-5/8"         | B3             |
| 2403                               | 1/2"         | 1/2"           | 2-1/8"         | B3             |
| <b>1/2" SHANK</b>                  |              |                |                |                |
| 2404A                              | 3/8"         | 1"             | 3-1/8"         | B1             |
| 2405                               | 1/2"         | 1"             | 3-1/4"         | B3             |
| 2406                               | 1/2"         | 1/2"           | 2-3/4"         | B3             |
| 2407                               | 1/2"         | 1-1/2"         | 3-5/8"         | B3             |
| 2408                               | 1/2"         | 2"             | 4"             | B3             |
| 2410                               | 3/4"         | 1-1/4"         | 3-3/8"         | B4             |
| 2415                               | 7/8"         | 1-1/2"         | 3-1/2"         | B21            |
| <b>1/2" SHANK - Double Bearing</b> |              |                |                |                |
| 2457                               | 1/2"         | 1-1/2"         | 3-7/8"         | Two B3         |
| 2458                               | 1/2"         | 2"             | 4-1/4"         | Two B3         |

### FLUSH TRIM

*Three Flute*



PART #2502

| Part #                             | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|------------------------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b>                  |              |                |                |                |
| 2500                               | 1/2"         | 1"             | 2-5/8"         | B3             |
| 2501                               | 1/2"         | 1/2"           | 2-1/8"         | B3             |
| <b>1/2" SHANK</b>                  |              |                |                |                |
| 2502                               | 1/2"         | 1"             | 3-1/4"         | B3             |
| 2504                               | 1/2"         | 1-1/2"         | 3-5/8"         | B3             |
| 2505                               | 1/2"         | 2"             | 4"             | B3             |
| <b>1/2" SHANK - Double Bearing</b> |              |                |                |                |
| 2554                               | 1/2"         | 1-1/2"         | 3-7/8"         | Two B3         |
| 2555                               | 1/2"         | 2"             | 4-1/4"         | Two B3         |

### FLUSH TRIM V-GROOVE



PART #2426

| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|-------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |                |
| 2425              | 1/2"         | 1"             | 2-5/8"         | B3             |
| <b>1/2" SHANK</b> |              |                |                |                |
| 2426              | 1/2"         | 1"             | 3-1/4"         | B3             |

### OVERHANG TRIM BIT



PART #2470

| Part #            | Overhang | Cutting Dia. | Cutting Length | Bearing Number |
|-------------------|----------|--------------|----------------|----------------|
| <b>1/4" SHANK</b> |          |              |                |                |
| 2468              | 1/16"    | 3/8"         | 1/2"           | B3             |
| 2470              | 1/8"     | 3/8"         | 1/2"           | B7             |

### DOWNSHEAR FLUSH TRIM

*Two Flute*



PART #2605

| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|-------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |                |
| 2602              | 1/2"         | 1"             | 2-5/8"         | B3             |
| 2560              | 3/4"         | 5/8"           | 2-1/8"         | B4             |
| <b>1/2" SHANK</b> |              |                |                |                |
| 2605              | 1/2"         | 1"             | 3-1/4"         | B3             |
| 2570              | 3/4"         | 1"             | 3"             | B4             |
| 2575              | 3/4"         | 1-1/2"         | 3-1/2"         | B4             |
| 2580              | 3/4"         | 2"             | 4"             | B4             |

### COMBINATION FLUSH TRIM

*With Top and Bottom Bearings*



PART #2702

| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|-------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |                |
| 2702              | 1/2"         | 1"             | 2-5/8"         | B3 & B9        |
| <b>1/2" SHANK</b> |              |                |                |                |
| 2710              | 3/4"         | 1-1/4"         | 3-3/8"         | B4 & B19       |
| 2715              | 7/8"         | 1-1/2"         | 3-1/2"         | B13 & B21      |

TRY OUR SOLID CARBIDE FLUSH TRIM SPIRAL BITS ON PAGE 5



# LAMINATE TRIM

## Whiteside Machine

### LAMINATE TRIM BITS

Two Flute  
Ball Bearing



PART #2301



| Part #            | Degree Bevel | Large Dia. | Cutting Length | Bearing Number |
|-------------------|--------------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |            |                |                |
| 2401              | Flush        | 3/8"       | 1/2"           | B1             |
| 2298              | 7°           | 9/16"      | 7/16"          | B3             |
| 2300A             | 15°          | 5/8"       | 1/4"           | B3             |
| 2301              | 25°          | 1"         | 9/16"          | B3             |

### LAMINATE ROUNDOVER



PART #2630  
ROUND BEARING



PART #2631  
SQUARE BEARING

*Eliminates Filing*

| Part # | Shank Dia. | Cutting Dia. | Radius | Cutting Length | Overall Length | Bearing |
|--------|------------|--------------|--------|----------------|----------------|---------|
| 2630   | 1/4"       | 1/2"         | 1/16"  | 3/16"          | 1-5/8"         | B3      |
| 2631   | 1/4"       | 1/2"         | 1/16"  | 3/16"          | 1-5/8"         | B3SQ    |

### LAMINATE CUTTING SAW BLADES



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind  |
|----------|------|-------|------|--------|------|--------|
| 90302721 | 10"  | 80    | 5/8" | 0.126" | -6°  | Hi-ATB |
| 90302805 | 12"  | 96    | 1"   | 0.134" | -6°  | Hi-ATB |
| 90302905 | 14"  | 108   | 1"   | 0.134" | -6°  | Hi-ATB |

### LAMINATE FLUSH TRIMMERS - WITH



Here's a Square Deal! A quality Whiteside Trim Bit with the exclusive Euro Square Bearing. How does it work? The square bearing stops spinning as soon as it touches the workpiece. Then, the side of the square simply slides along the workpiece edge. Compare this to a regular bearing that rolls along the edge - building up more glue and residue with every revolution. Plus, the square is made from a non-stick material, so it wipes clean easily, and it won't mark your workpiece. If you cut laminates, you need to try this bit.



PART # 2640



PART # B3SQ



PART # 2660



PART # B8SQ

| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Type | Bearing Number |
|-------------------|--------------|----------------|----------------|--------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |              |                |
| 2640              | 1/2"         | 1/4"           | 1-5/8"         | Square       | B3SQ           |
| 2650              | 3/4"         | 5/8"           | 2-1/4"         | Square       | B8SQ           |
| <b>1/2" SHANK</b> |              |                |                |              |                |
| 2660              | 3/4"         | 5/8"           | 2-1/4"         | Square       | B8SQ           |

*These bits are designed with a slight taper on the cutting diameter. This allows up or down adjustment to achieve an exact blend - even after resharpening.*



PART # B3SQ



PART # B8SQ

Replace the standard 1/2" B3 bearing found on most of our Edge Form bits with the **B3SQ** square bearing if residue build-up on the bearing or marring of the workpiece is a problem.

Recommended for solid surface applications. **B3SQ** is a 1/2" square. **B8SQ** is a 3/4" square. Both are standard 3/16" inside diameter.

## Router

## Bits



- Committed to Quality
- Family Owned and Operated
- Superb Product Line

**ESTABLISHED**

**1970**

## And

## More



## ROUND OVER

With Non-Marring Bearing



| Part #            | Material Thickness | Radius | Cutting Dia. | Bearing Number |
|-------------------|--------------------|--------|--------------|----------------|
| <b>1/2" SHANK</b> |                    |        |              |                |
| 2006N             | 1/2"               | 1/4"   | 1"           | B3S            |
| 2009N             | 1"                 | 1/2"   | 1-1/2"       | B3S            |
| 2010N             | 1-1/2"             | 3/4"   | 2"           | B3S            |

Supplied with Non-Marring Nylon Sleeved Bearing (Part #B3S).

## BOWL & SINK PROFILES



PART #2918  
(A)



PART #2944  
(B)



PART #2945  
(C)



## ROUNDING UNDER



| Part #            | Material Thickness | Radius | Cutting Dia. | Bearing Number |
|-------------------|--------------------|--------|--------------|----------------|
| <b>1/2" SHANK</b> |                    |        |              |                |
| 2030              | 1/2"               | 1/4"   | 1-3/8"       | B5             |
| 2034              | 1"                 | 1/2"   | 1-7/8"       | B5             |
| 2036              | 1-1/2"             | 3/4"   | 2-3/8"       | B5             |

| Part #                              | Material Thickness | Degree | Overall Length | Bearing Number      |
|-------------------------------------|--------------------|--------|----------------|---------------------|
| <b>(A) ROUNDING OVER UNDERMOUNT</b> |                    |        |                |                     |
| <b>1/2" SHANK</b>                   |                    |        |                |                     |
| 2910                                | 1/2"               | 10°    | 3"             | BB300 (10° Bearing) |
| 2915                                | 1/2"               | 15°    | 3"             | BB315 (15° Bearing) |
| 2918                                | 1/2"               | 18°    | 3"             | BB318 (18° Bearing) |
| 2929                                | 1/2"               | 18°    | 3"             | BB300 (10° Bearing) |
| 2930                                | 3/4"               | 18°    | 3-1/4"         | BB300 (10° Bearing) |
| <b>(B) BEVEL UNDERMOUNT BOWL</b>    |                    |        |                |                     |
| <b>1/2" SHANK</b>                   |                    |        |                |                     |
| 2944                                | 1/2"-3/4"          | 12°    | 3"             | BB300 (10° Bearing) |
| <b>(C) OVERHANG BOWL TRIM</b>       |                    |        |                |                     |
| <b>1/2" SHANK</b>                   |                    |        |                |                     |
| 2945                                | 1/2"-3/4"          | 0°     | 2-7/8"         | BB300 (10° Bearing) |



PART # BB300



PART # BB315



PART # BB318



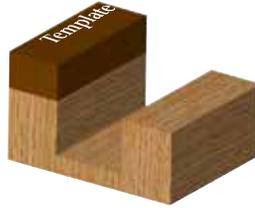
## TEMPLATE

### TEMPLATE BITS

#### Ball Bearing Guide



PART #3012



| Part #            | Cutting Dia. | Cutting Length | Overall Length | Bearing Number |
|-------------------|--------------|----------------|----------------|----------------|
| <b>1/4" SHANK</b> |              |                |                |                |
| * 3000A           | 1/2"         | 1/8"           | 1-3/4"         | B9             |
| * 3000            | 1/2"         | 1/4"           | 1-7/8"         | B9             |
| 3001              | 1/2"         | 1/2"           | 2"             | B9             |
| 3002              | 1/2"         | 3/4"           | 2-1/4"         | B9             |
| 3004              | 1/2"         | 1"             | 2-1/2"         | B9             |
| * 3006            | 5/8"         | 1/4"           | 1-3/4"         | B6             |
| K41               | 5/8"         | 1/2"           | 2-1/4"         | B6             |
| K43               | 5/8"         | 3/4"           | 2-1/2"         | B6             |
| 3008              | 5/8"         | 1"             | 2-1/2"         | B6             |
| * 3010            | 3/4"         | 1/4"           | 1-3/4"         | B4             |
| 3012              | 3/4"         | 3/4"           | 2-3/8"         | B4             |
| 3014              | 3/4"         | 1"             | 2-5/8"         | B4             |
| <b>3/8" SHANK</b> |              |                |                |                |
| 3015              | 7/8"         | 1"             | 2-5/8"         | B12            |
| <b>1/2" SHANK</b> |              |                |                |                |
| 3016              | 1-1/8"       | 1"             | 3"             | B11            |
| 3018              | 1-1/8"       | 1-1/2"         | 3-1/2"         | B11            |
| 3019              | 1-1/8"       | 2"             | 4"             | B11            |
| *** 3020          | 3/4"         | 1"             | 2-3/4"         | B19 ***        |
| *** 3021          | 3/4"         | 1-1/4"         | 3"             | B19 ***        |
| *** 3022          | 3/4"         | 1-1/2"         | 3-1/4"         | B19 ***        |
| 3022A             | 7/8"         | 1-1/2"         | 3-1/2"         | B13            |
| *** 3023          | 3/4"         | 2"             | 3-3/4"         | B19 ***        |

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

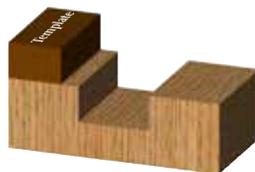
\*\*\* Whiteside recommends using bits over 3/4" diameter in 1/2" shank whenever possible due to the fragile nature of the B19 bearing.

### TEMPLATE BITS

#### With Oversize Bearings



PART #3027



| Part #              | Cutting Dia. | Cutting Length | Overall Length | Bearing Diameter | Bearing Number |
|---------------------|--------------|----------------|----------------|------------------|----------------|
| <b>1/4" SHANK</b>   |              |                |                |                  |                |
| <sup>1</sup> 3025   | 5/16"        | 3/4"           | 2-3/4"         | 1/2"             | B9             |
| <sup>2</sup> 3027   | 1/2"         | 1/4"           | 1-7/8"         | 5/8"             | B6             |
| <sup>3</sup> 3028   | 1/2"         | 1/4"           | 1-7/8"         | 3/4"             | B4             |
| <sup>1,4</sup> 3032 | 9/16"        | 3/4"           | 2-1/4"         | 5/8"             | B6             |

<sup>1</sup> For Porter-Cable Morten™, Mortise & Tenon Jig, and Omnijig® templates

<sup>2</sup> Porter-Cable Hinge Butt Mortise Bit

<sup>3</sup> For Hinge-Mate™ II Template

<sup>4</sup> Keller Box Joint Bit

## KEYHOLE

### KEYHOLE BITS



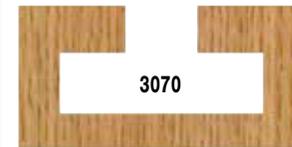
PART #3050

| Part #            | Large Dia. | Small Dia. | Cutting Length | Overall Length |
|-------------------|------------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |            |            |                |                |
| 3050              | 3/8"       | 3/16"      | 7/16"          | 1-1/2"         |
| 3052              | 1/2"       | 5/16"      | 7/16"          | 1-1/2"         |
| <b>1/2" SHANK</b> |            |            |                |                |
| 3051              | 3/8"       | 3/16"      | 7/16"          | 2-1/8"         |
| 3053              | 1/2"       | 5/16"      | 7/16"          | 2-1/8"         |



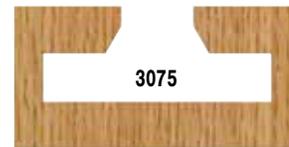
## T-SLOT

### T-SLOT CUTTER



3070

ACTUAL SIZE



3075



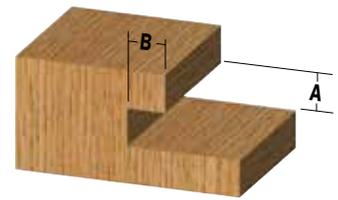
PART #3075

| Part #            | Large Dia. | Small Dia. | "A" Length | "B" Depth | Overall Length |
|-------------------|------------|------------|------------|-----------|----------------|
| <b>1/2" SHANK</b> |            |            |            |           |                |
| 3070              | 1-1/16"    | 3/8"       | 5/16"      | 1/2"      | 2-3/8"         |
| 3075              | 1-3/16"    | 3/8"       | 1/4"       | 3/8"      | 2-3/8"         |

### SLOT & UNDERCUT BITS



PART #3110B



Used to cut all types of slots and grooves. Also used to undercut decorative patterns or large letters to give them a bold appearance.

| Part #            | Large Dia. | "A" Length | "B" Depth | Overall Length |
|-------------------|------------|------------|-----------|----------------|
| <b>1/4" SHANK</b> |            |            |           |                |
| 3094              | 3/4"       | 1/8"       | 1/4"      | 1-7/8"         |
| * 3094B           | 3/4"       | 1/8"       | 1/8"      | 1-7/8"         |
| 3098              | 1"         | 1/4"       | 3/8"      | 2"             |
| * 3098B           | 1"         | 1/4"       | 1/4"      | 2"             |
| 3110              | 1-1/2"     | 1/4"       | 5/8"      | 2"             |
| * 3110B           | 1-1/2"     | 1/4"       | 1/2"      | 2"             |
| <b>1/2" SHANK</b> |            |            |           |                |
| *1 3120B          | 1-7/8"     | 5/32"      | 1/2"      | 2-1/4"         |

\* B denotes Bearing Guide. #B9 on 1/4" shank. #B13 on 1/2" shank.  
1 Commonly Used on Hardwood Flooring.

## EDGE PROFILES

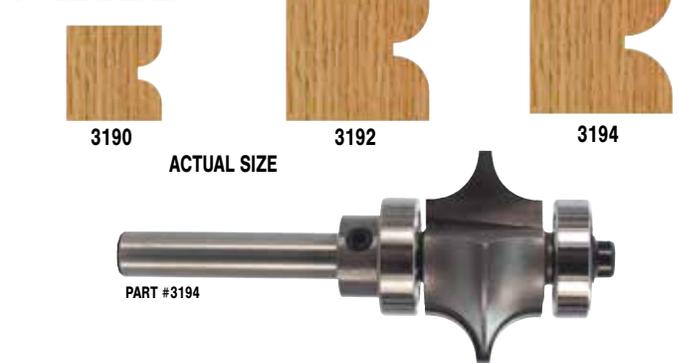
### CLASSICAL COVE



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |        |            |                |                |
| 3164              | 5/32"  | 1-1/4"     | 1/2"           | 2-1/4"         |
| 3166              | 1/4"   | 1-3/8"     | 3/4"           | 2-1/2"         |

Bearing Number: B3

### FULL BEAD



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3190              | 1/8"   | 7/8"       | 5/16"          | 2-1/8"         |
| 3192              | 3/16"  | 1"         | 1/2"           | 2-3/8"         |
| 3194              | 1/4"   | 1-1/8"     | 5/8"           | 2-1/2"         |

Bearing Number: One B6 & One B7

### WAVY EDGE



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |        |            |                |                |
| 3172              | 1/8"   | 1-1/4"     | 3/4"           | 2-1/2"         |

Bearing Number: B3

### MULTI-BEADING



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3200              | 1/8"   | 7/8"       | 1"             | 2-1/2"         |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3202              | 1/8"   | 7/8"       | 1"             | 2-3/4"         |

Bearing Number: B3

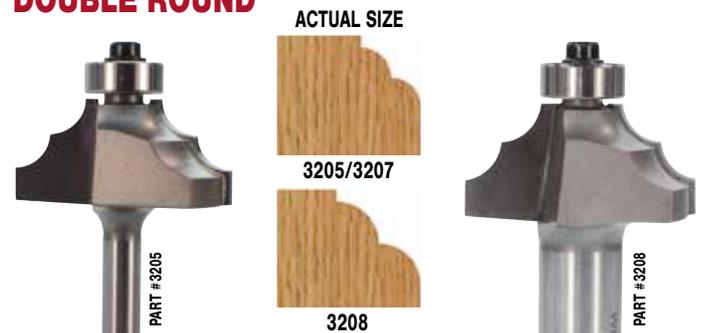
### RADIUS FLUTE CUTTER



| Part #            | Radius | Large Dia. | Cutting Length | Depth of Cut | Overall Length |
|-------------------|--------|------------|----------------|--------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |              |                |
| 3184              | 1/8"   | 7/8"       | 1/4"           | 1/8"         | 1-3/4"         |
| * 3185            | 1/8"   | 1-1/4"     | 1/4"           | 5/16"        | 1-3/4"         |
| <b>1/2" SHANK</b> |        |            |                |              |                |
| 3520              | 1/8"   | 1-1/8"     | 1/4"           | 1/8"         | 2-1/4"         |

\* Commonly Used with Tongue and Groove Flooring.

### DOUBLE ROUND



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3205              | 5/32"  | 1-1/8"     | 1/2"           | 2"             |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3207              | 5/32"  | 1-1/8"     | 1/2"           | 2-1/4"         |
| 3208              | 7/32"  | 1-3/8"     | 5/8"           | 2-1/2"         |

Bearing Number: B3

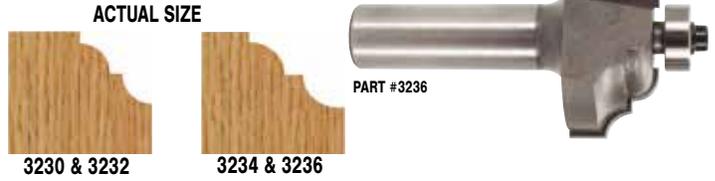
## COVE & BEAD



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3209              | 5/32"  | 1-1/8"     | 1/2"           | 2"             |
| 3210              | 1/4"   | 1-5/16"    | 5/8"           | 2-1/8"         |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3211              | 5/32"  | 1-1/8"     | 1/2"           | 2-1/4"         |
| 3212              | 1/4"   | 1-5/16"    | 5/8"           | 2-3/8"         |

Bearing Number: B3

## CLASSICAL PATTERN



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3230              | 5/32"  | 1-1/4"     | 1/2"           | 2-1/8"         |
| 3234              | 3/16"  | 1-1/2"     | 5/8"           | 2-1/4"         |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3232              | 5/32"  | 1-1/4"     | 1/2"           | 2-3/8"         |
| 3236              | 3/16"  | 1-1/2"     | 5/8"           | 2-1/2"         |

Bearing Number: B3

## OGEE FILLET



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3214              | 3/16"  | 1-3/8"     | 5/8"           | 2-1/8"         |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3216              | 3/16"  | 1-3/8"     | 5/8"           | 2-1/2"         |
| 3218              | 1/4"   | 1-5/8"     | 3/4"           | 2-5/8"         |

Bearing Number: B3

## EDGE BEADING



| Part #            | Large Dia. | "A" Bead Dia. | "B" Cutting Length | Overall Length |
|-------------------|------------|---------------|--------------------|----------------|
| <b>1/4" SHANK</b> |            |               |                    |                |
| 3240              | 7/8"       | 1/8"          | 9/16"              | 2"             |
| 3244              | 7/8"       | 1/4"          | 9/16"              | 2"             |
| 3248              | 1"         | 5/16"         | 5/8"               | 2-1/4"         |
| 3252              | 1-1/16"    | 3/8"          | 3/4"               | 2-1/4"         |
| 3256              | 1-1/16"    | 1/2"          | 3/4"               | 2-1/4"         |
| <b>1/2" SHANK</b> |            |               |                    |                |
| 3242              | 7/8"       | 1/8"          | 9/16"              | 2-1/4"         |
| 3246              | 7/8"       | 1/4"          | 9/16"              | 2-1/4"         |
| 3250              | 1"         | 5/16"         | 5/8"               | 2-1/4"         |
| 3254              | 1-1/16"    | 3/8"          | 3/4"               | 2-1/2"         |
| 3258              | 1-1/16"    | 1/2"          | 3/4"               | 2-1/2"         |
| 3260              | 1-3/8"     | 5/8"          | 1"                 | 2-5/8"         |
| 3262              | 1-1/2"     | 3/4"          | 1-1/8"             | 3"             |

Bearing Number: B3

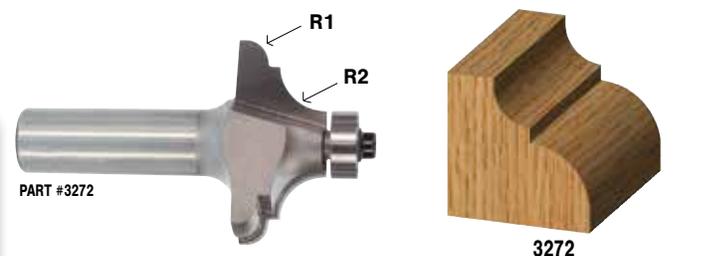
## OGEE



| Part #            | Radius        | Large Dia. | Cutting Length | Overall Length |
|-------------------|---------------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |               |            |                |                |
| 3220              | 5/32"         | 1-1/8"     | 1/2"           | 2"             |
| 3224              | 1/4"          | 1-1/2"     | 5/8"           | 2-1/8"         |
| <b>1/2" SHANK</b> |               |            |                |                |
| 3222              | 5/32"         | 1-1/8"     | 1/2"           | 2-1/4"         |
| 3226              | 1/4"          | 1-1/2"     | 5/8"           | 2-3/8"         |
| 3228              | 9/64" & 5/16" | 1-5/8"     | 5/8"           | 2-1/2"         |

Bearing Number: B3

## FRENCH TRADITIONAL



| Part #            | "R1" Radius | "R2" Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|-------------|-------------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |             |             |            |                |                |
| 3272              | 3/16"       | 5/16"       | 1-1/2"     | 5/8"           | 2-1/2"         |

Bearing Number: B3



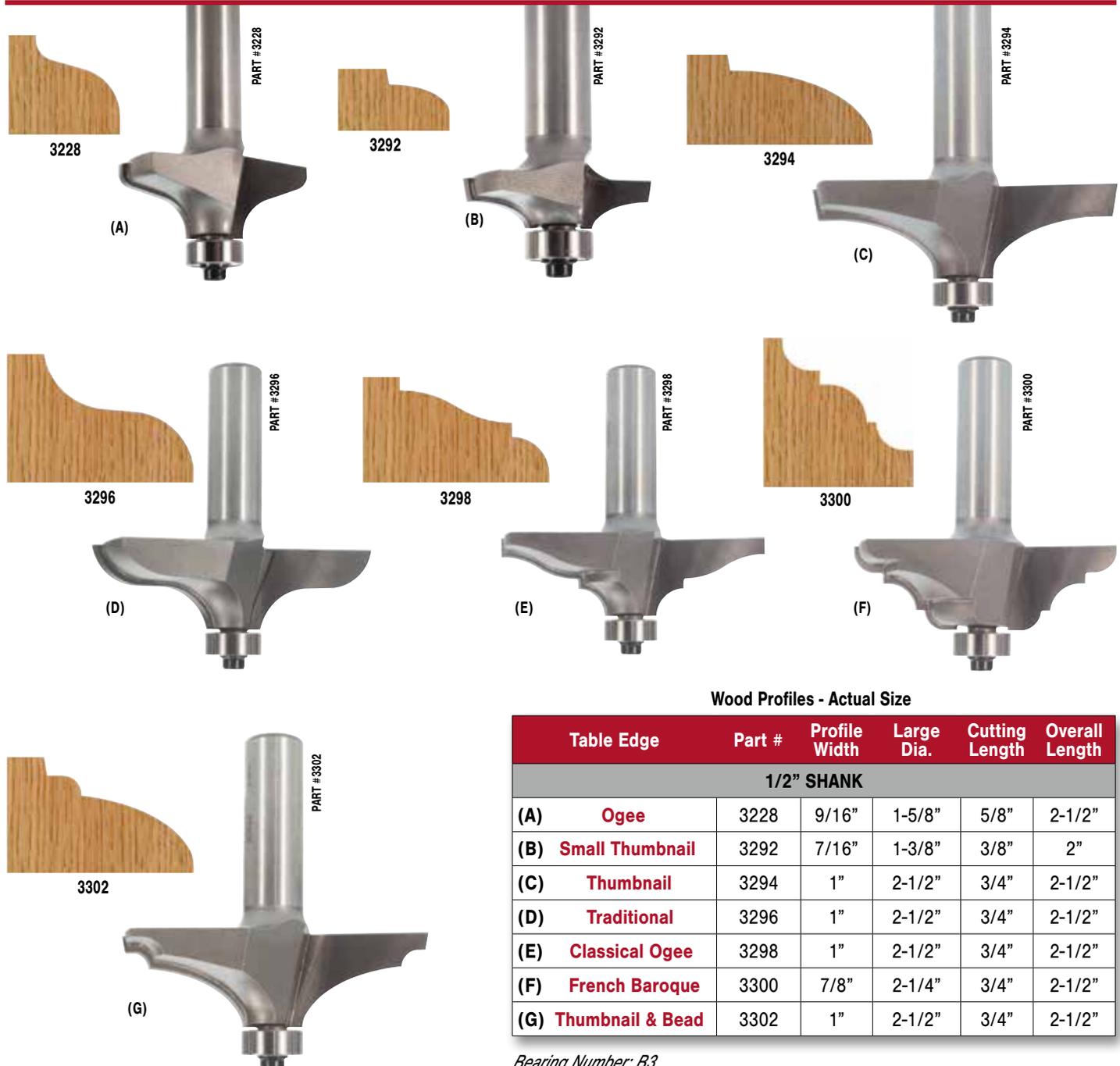
## FRENCH PROVINCIAL MOLDING

| Part #            | Large Dia. | Cutting Length | Bead Dia. | Overall Length |
|-------------------|------------|----------------|-----------|----------------|
| <b>1/2" SHANK</b> |            |                |           |                |
| 3280              | 1-3/4"     | 1-1/8"         | 1/4"      | 3-1/8"         |
| 3282              | 2"         | 1-3/16"        | -         | 2-7/8"         |

Bearing Number: B3



## TABLE EDGE PROFILES



Wood Profiles - Actual Size

| Table Edge                      | Part # | Profile Width | Large Dia. | Cutting Length | Overall Length |
|---------------------------------|--------|---------------|------------|----------------|----------------|
| <b>1/2" SHANK</b>               |        |               |            |                |                |
| (A) <b>Ogee</b>                 | 3228   | 9/16"         | 1-5/8"     | 5/8"           | 2-1/2"         |
| (B) <b>Small Thumbnail</b>      | 3292   | 7/16"         | 1-3/8"     | 3/8"           | 2"             |
| (C) <b>Thumbnail</b>            | 3294   | 1"            | 2-1/2"     | 3/4"           | 2-1/2"         |
| (D) <b>Traditional</b>          | 3296   | 1"            | 2-1/2"     | 3/4"           | 2-1/2"         |
| (E) <b>Classical Ogee</b>       | 3298   | 1"            | 2-1/2"     | 3/4"           | 2-1/2"         |
| (F) <b>French Baroque</b>       | 3300   | 7/8"          | 2-1/4"     | 3/4"           | 2-1/2"         |
| (G) <b>Thumbnail &amp; Bead</b> | 3302   | 1"            | 2-1/2"     | 3/4"           | 2-1/2"         |

Bearing Number: B3

### HANDRAIL BITS

Used to cut the lower portion of the handrail profile.



| Part #            | Large Dia. | Cutting Length | Bead Dia. | Overall Length |
|-------------------|------------|----------------|-----------|----------------|
| <b>1/2" SHANK</b> |            |                |           |                |
| 3305              | 1-1/4"     | 2"             | 1/4"      | 3-7/8"         |

Bearing Number: B3

### APPLICATION:

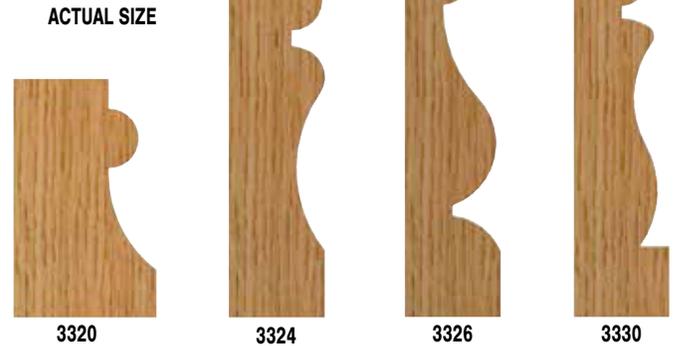
Here are some examples of the handrail profiles which are possible using the handrail bit above in combination with your choice of the table edge bits from page 21.



PROFILES ARE SHOWN SMALLER THAN ACTUAL SIZE



### SPECIALTY MOLDING

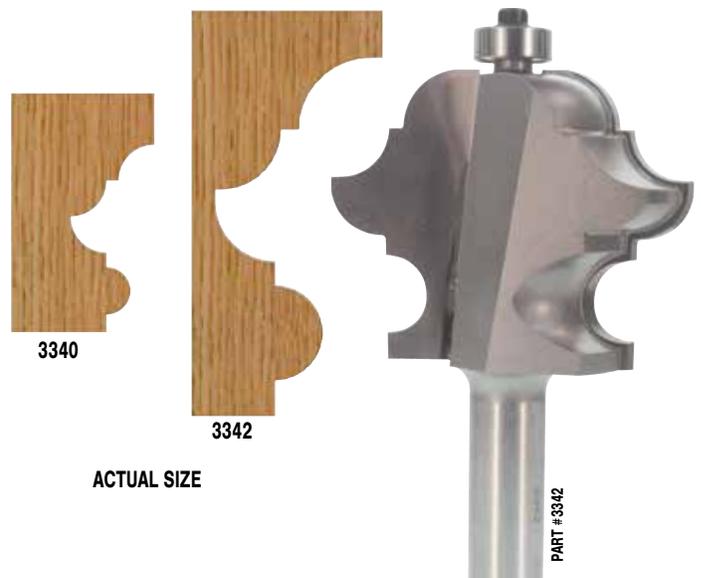


| Part #            | Large Dia. | Cutting Length | Bead Dia. | Overall Length |
|-------------------|------------|----------------|-----------|----------------|
| <b>1/2" SHANK</b> |            |                |           |                |
| 3320              | 1"         | 1"             | 5/16"     | 2-3/4"         |
| 3324              | 7/8"       | 1-5/8"         | 5/16"     | 3-1/2"         |
| 3326              | 1-1/16"    | 1-5/8"         | 1/4"      | 3-1/2"         |
| 3330              | 1"         | 1-5/8"         | 1/4"      | 3-1/2"         |

Bearing Number: B3

### CLASSIC MULTI-FORMS

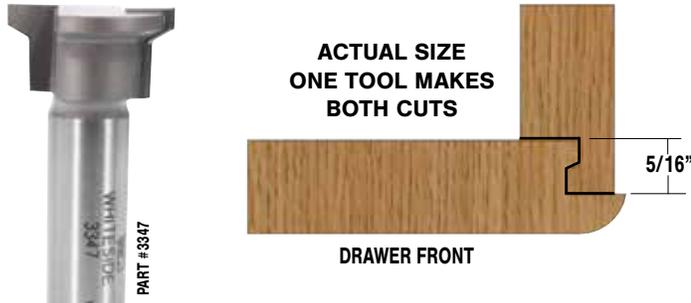
Many distinct profiles are possible by using different sections of this tool.



| Part #            | Large Dia. | Cutting Length | Bead Dia. | Radius | Overall Length |
|-------------------|------------|----------------|-----------|--------|----------------|
| <b>1/2" SHANK</b> |            |                |           |        |                |
| 3340              | 1-3/8"     | 1"             | 1/4"      | 3/16"  | 2-3/4"         |
| 3342              | 2-1/4"     | 1-7/8"         | 1/2"      | 5/16"  | 3-3/4"         |

Bearing Number: B3

## LOCKING DRAWER GLUE JOINTS



| Part #            | Large Dia. | Cutting Length | Overall Length |
|-------------------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |            |                |                |
| 3346              | 3/4"       | 1/2"           | 1-7/8"         |
| <b>1/2" SHANK</b> |            |                |                |
| 3347              | 1"         | 1/2"           | 2-1/8"         |

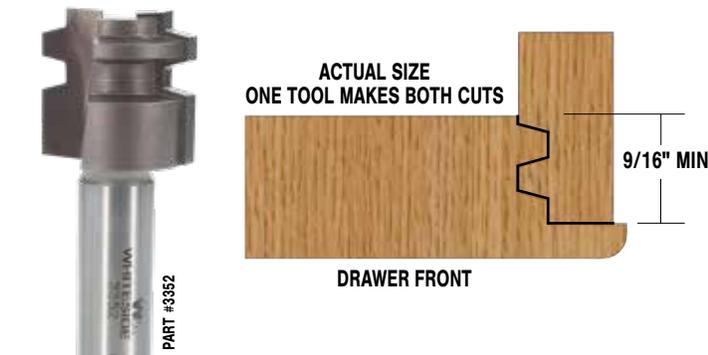
## 45° LOCK MITER



| Part #            | Material Thickness | Large Dia. | Overall Length |
|-------------------|--------------------|------------|----------------|
| <b>1/2" SHANK</b> |                    |            |                |
| 3360              | 1/2" - 1-1/4"      | 3-1/8"     | 2-7/8"         |
| 3362              | 1/2" - 3/4"        | 2"         | 2-3/8"         |

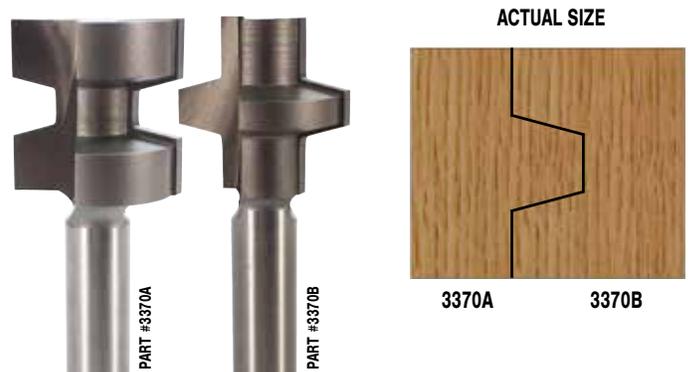
Note: 3362 is recommended for stock thickness 1/2" - 3/4"

## LOCKING DRAWER GLUE JOINTS



| Part #            | Large Dia. | Cutting Length | Overall Length |
|-------------------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |            |                |                |
| 3352              | 1"         | 1"             | 2-3/8"         |

## WEDGE TONGUE & GROOVE

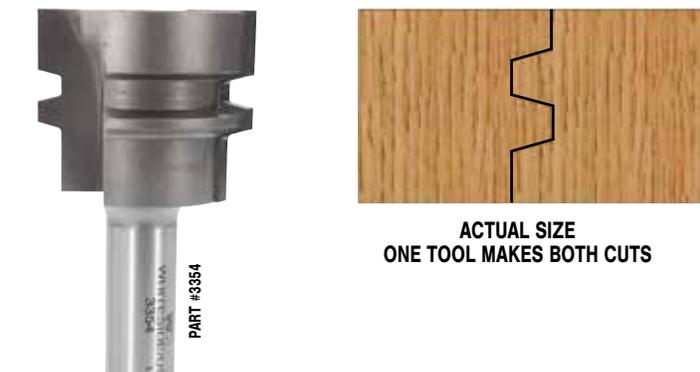


| Part # | Shank Dia. | Material Thickness | Large Dia. | Cutting Length | Overall Length |
|--------|------------|--------------------|------------|----------------|----------------|
| * 3370 | 1/2"       | 5/8" - 1-1/4"      | 1-1/4"     | 1-1/4"         | 2-7/8"         |

\* Order 3370 for two piece set.

\* Order 3370A or 3370B for individual cutters.

## STANDARD GLUE JOINT



| Part # | Shank Dia. | Material Thickness | Large Dia. | Overall Length |
|--------|------------|--------------------|------------|----------------|
| 3354   | 1/2"       | 1/2" - 1-1/4"      | 1-1/2"     | 2-3/4"         |

## STRAIGHT TONGUE & GROOVE

### Ball Bearing Guide



| Part # | Shank Dia. | Material Thickness | Large Dia. | Cutting Length | Overall Length |
|--------|------------|--------------------|------------|----------------|----------------|
| * 3373 | 1/2"       | 1/2" - 1-1/4"      | 1-1/4"     | 1-1/4"         | 3-1/8"         |

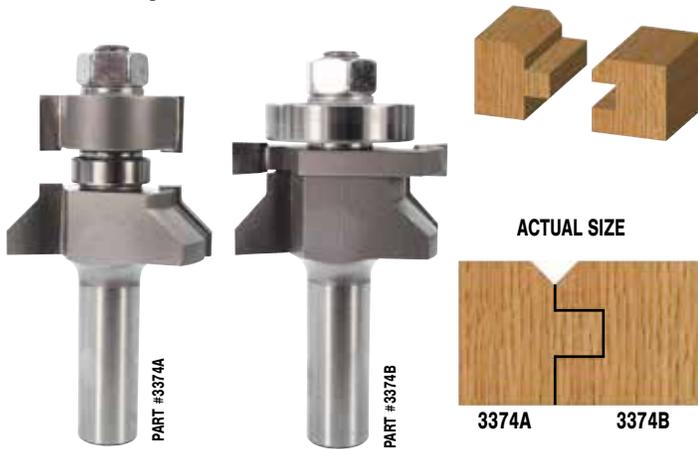
\* Order 3373 for two piece set

\* Order 3373A or 3373B for individual cutters.

Bearing Number: B7

## VEE PANEL TONGUE & GROOVE

### Ball Bearing Guide



ACTUAL SIZE

3374A 3374B

| Part # | Shank Dia. | Material Thickness | Large Dia. | Cutting Length | Overall Length |
|--------|------------|--------------------|------------|----------------|----------------|
| 3374   | 1/2"       | 5/8" - 1" *        | 1-5/8"     | 1"             | 2-3/4"         |

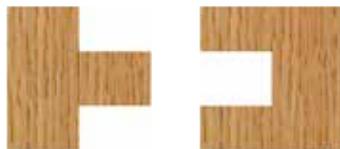
Order 3374 for two piece set.

Order 3374A or 3374B for individual cutters.

\* Material over 1" thick requires a second cut on the tongue profile to waste away excess stock.

## TONGUE & GROOVE ASSEMBLY

### ONE TOOL MAKES BOTH CUTS



ACTUAL SIZE



PART #3375

| Part # | Shank Dia. | Material Thickness | Large Dia. | Tongue Width | Bearing Number |
|--------|------------|--------------------|------------|--------------|----------------|
| 3375   | 1/2"       | 1/2" - 13/16"      | 1-5/8"     | 9/32"        | B5             |

Replacement Parts: Groover - 6628  
Arbor - A260

### APPLICATION:

#### Cutting the Tongue



#### Cutting the Groove

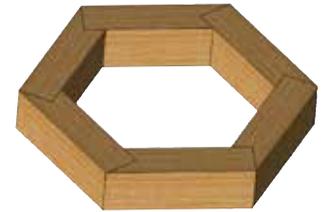


## MULTI-SIDE BITS

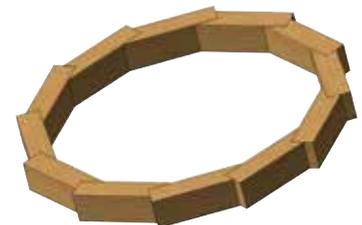
A great way to join up many multi-side projects (planters, columns, barrels, etc.). Very straightforward, this joint requires routing a notch in only one edge of each stave (side). Notching also improves ease of assembly and total glue area. All bits are 1/2" shank and designed for use in a router table with a fence guide.



PART #3506



FLUSH



RIBBED

| Part #            | Number of Sides | Stock (Maximum) | Large Dia. |
|-------------------|-----------------|-----------------|------------|
| <b>1/2" SHANK</b> |                 |                 |            |
| 3506              | 6 or 12         | 7/8"            | 1-7/8"     |
| 3508              | 8               | 7/8"            | 1-3/4"     |

### APPLICATION:

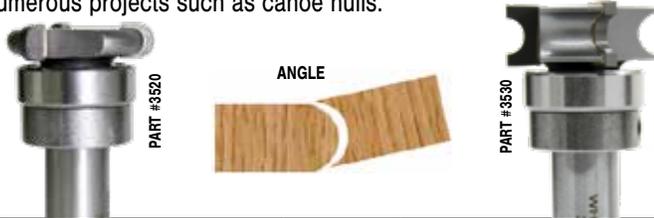
On six and eight sided objects, the exterior side is cut face up on a router table. Twelve sided objects are cut face down. The same bit (#3506) is used for six sided and twelve sided objects.

Either Flush or Ribbed (outside corners protruding) construction is possible. Ribbed construction is recommended with 12 sides because the interior leg of the notch will be very small when made flush. Outside corners on ribbed construction can be cut or sanded down for flush appearance if desired.

Location of the inside corner of the notch (i.e.- vertical bit adjustment) is important for final finish appearance. The outside leg of the notch (closest to the exterior) should be the same length as the stock thickness for flush construction. This will put the inside corner of the notch in the center of each stave (side) on six sided flush projects. The inside corner will be below center (farthest from exterior side) on all others. Allow extra stock to experiment and set corner height as desired. Move notch towards exterior side (raise the bit) to increase rib size (amount of outside corner protruding). Move notch away from exterior side (lower the bit) to decrease amount of rib. Note: Bit adjustment is reversed on twelve sides since those parts are cut face down.

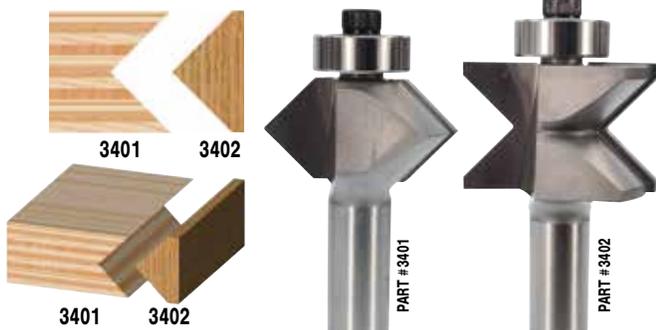
## CANOE MAKING BITS

Sold individually as a 1/8" Radius Fluting Bit or Beading Bit. When used together to edge 1/4" thick stock, the resulting joint allows each strip to be angled. This allows assembly in a curved configuration for numerous projects such as canoe hulls.



| Part # | Style | Shank Dia. | Cutting Dia. | Radius | Overall Length |
|--------|-------|------------|--------------|--------|----------------|
| 3520   | Flute | 1/2"       | 1-1/8"       | 1/8"   | 2-1/4"         |
| 3530   | Bead  | 1/2"       | 1-1/8"       | 1/8"   | 2-3/8"         |

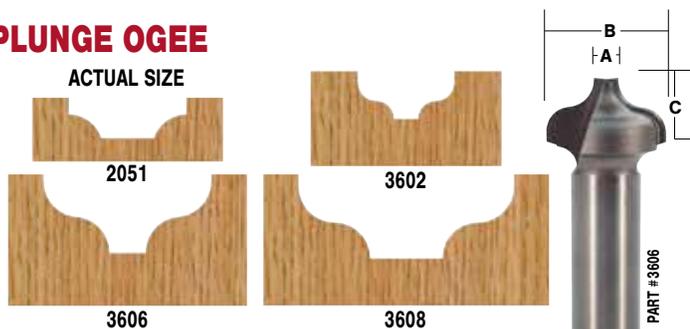
## EDGE BANDING SET



| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| 3400   | 1/2"       | 1-1/2"       | + 3/4"         | 2-3/4"         |

Solid wood Edge Banding for plywood. Order 3400 for the two-piece set. Order 3401 or 3402 for individual bits.

## PLUNGE OGEE



| Part #            | Radius | "A" Small Dia. | "B" Large Dia. | "C" Cutting Length | Overall Length |
|-------------------|--------|----------------|----------------|--------------------|----------------|
| <b>1/4" SHANK</b> |        |                |                |                    |                |
| 2051              | 3/16"  | 1/4"           | 5/8"           | 3/8"               | 1-3/4"         |
| 3602              | 3/32"  | 1/8"           | 1/2"           | 1/4"               | 1-3/4"         |
| <b>1/2" SHANK</b> |        |                |                |                    |                |
| 3606              | 3/16"  | 3/16"          | 7/8"           | 1/2"               | 2"             |
| 3608              | 3/16"  | 3/8"           | 1-1/8"         | 1/2"               | 2-1/4"         |

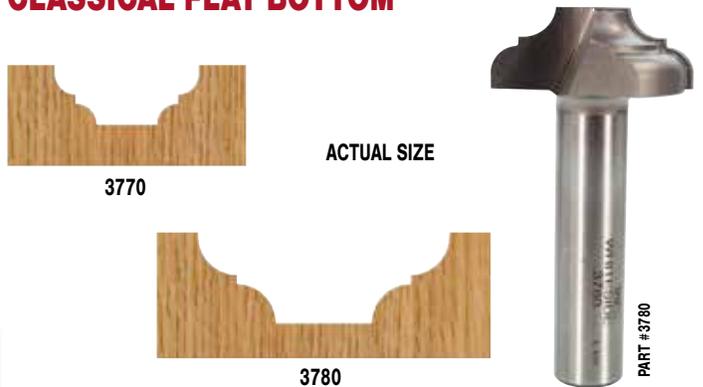
Small Grooving Bits are commonly used for decorative designs in cabinet doors or for detail veining in furniture. Round Nose Bits (pg. 10) and V-Groove Bits (pg. 11) are often used in the same manner. The larger Grooving Bits are great for a raised panel effect in doors and for adding a bold accent to furniture or large work pieces. These bits also make nice edge profiles with the aid of a router table and fence.

## CLASSICAL ROUND BOTTOM



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3720              | 1/8"   | 5/8"       | 1/2"           | 2"             |
| 3725              | 1/8"   | 3/4"       | 1/2"           | 2"             |
| 3730              | 3/16"  | 7/8"       | 1/2"           | 2"             |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3735              | 3/16"  | 7/8"       | 1/2"           | 2-1/8"         |
| 3740              | 3/16"  | 1-1/8"     | 1/2"           | 2-1/8"         |
| 3750              | 7/32"  | 1-3/8"     | 9/16"          | 2-1/2"         |

## CLASSICAL FLAT BOTTOM



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |        |            |                |                |
| 3770              | 7/64"  | 3/4"       | 3/8"           | 2"             |
| <b>1/2" SHANK</b> |        |            |                |                |
| 3780              | 13/64" | 1-3/8"     | 9/16"          | 2-1/2"         |

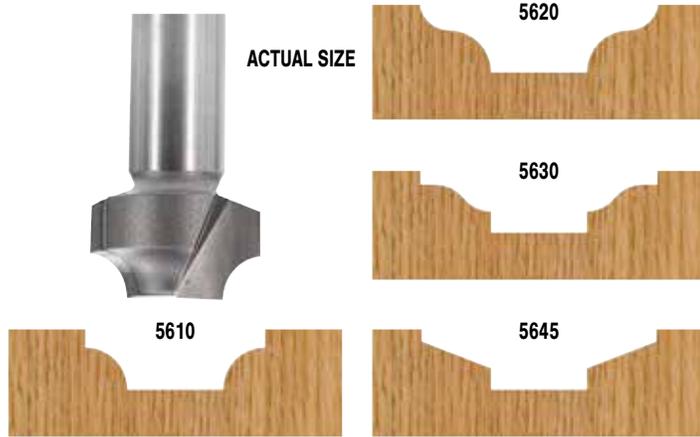
These bits are ideal for adding bearings to the shank for following templates. Select a bearing from page 35 with the same inside diameter as your shank size. Outside diameter should be the same size or larger than the large diameter of your router bit. Secure bearings with a lock collar. Use Lock Collar #LC-1/4 for 1/4" shanks or #LC-1/2 for 1/2" shanks.

The tooling on this page is designed to give the illusion of raised panel door construction in MDF and solid panel doors. When used individually these bits produce a nice, simple raised panel effect in one pass. Or use one of the "Panel" bits in conjunction with one of the "Stile" bits to create a more authentic raised panel reveal. Many different combinations are possible. See bottom of page.

Although designed for production routing on solid door machines and CNC routers, the addition of a bearing to the shank will allow the hobbyist to cut his pattern by following an edge guide. The guide can be four strips clamped around the perimeter of the door. The top strip may be curved for an arched pattern. Follow the guide and rout both profiles. There's no need to move the guide for the second cut. A larger bearing on the panel bit takes care of the offset. Use Bearing #B16 for the Stile bits and Bearing #B24 for the Panel bits. Secure the bearings to the shank with a #LC-1/2 Lock Collar (see pg. 35). When making the second cut, match the depth setting of the first cut to obtain a pattern with a flat bottom – Or vary the depth to add an extra distinctive "step" in the bottom of your reveal. Complete the door by adding a door edge pattern (see pg. 30) around the outside edge.



### "STILE" PROFILE BITS



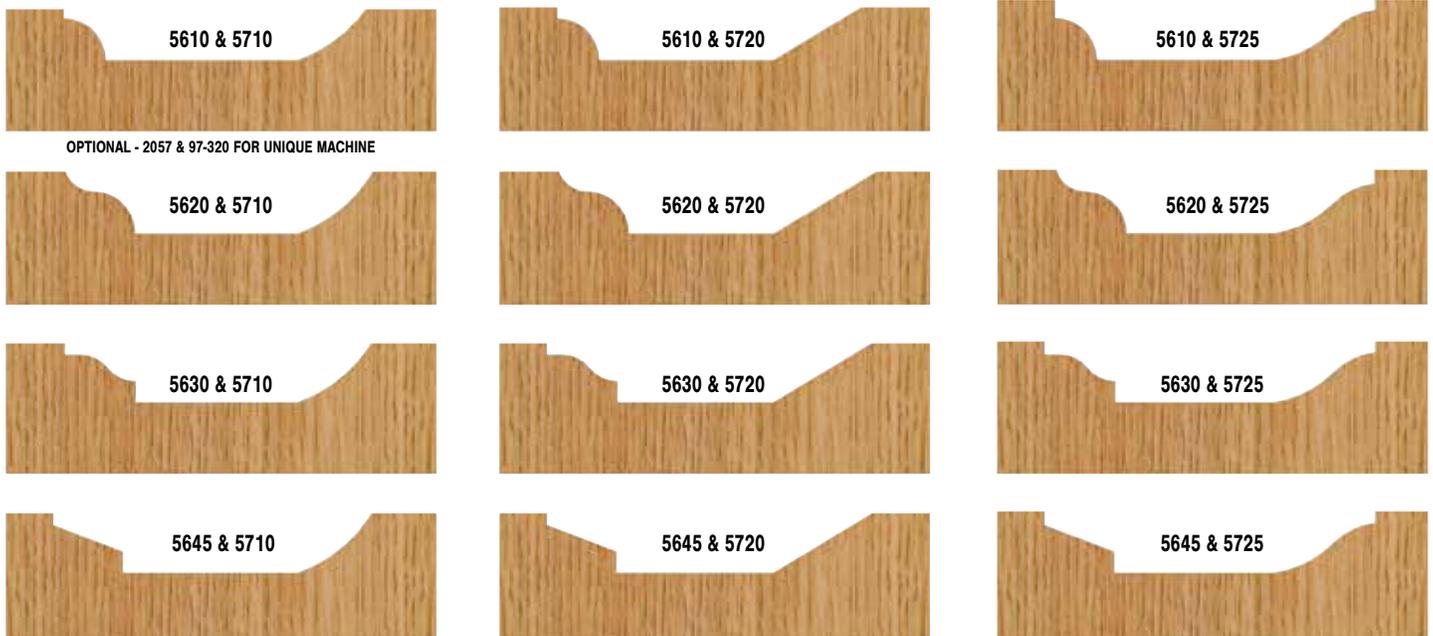
| Part #            | Style       | Large Dia. | Overall Length |
|-------------------|-------------|------------|----------------|
| <b>1/2" SHANK</b> |             |            |                |
| 5610              | Bead        | 7/8"       | 2-1/2"         |
| 5620              | Traditional | 1-1/4"     | 2-1/2"         |
| 5630              | Ogee        | 1-1/4"     | 2-1/2"         |
| 5645              | Straight    | 1-1/4"     | 2-1/2"         |

### "PANEL" PROFILE BITS

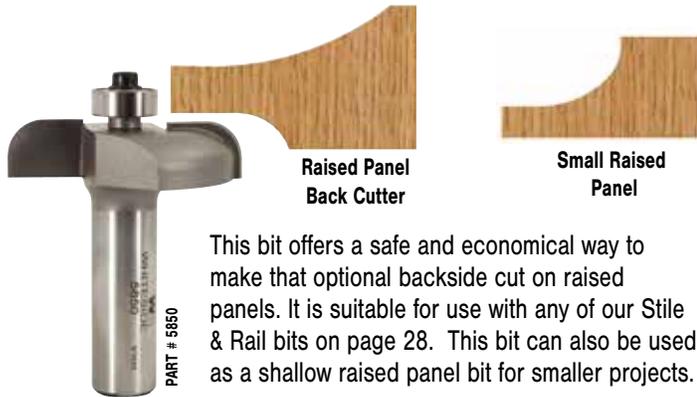


| Part #            | Style    | Large Dia. | Overall Length |
|-------------------|----------|------------|----------------|
| <b>1/2" SHANK</b> |          |            |                |
| 5710              | Cove     | 1-1/2"     | 2-1/2"         |
| 5720              | Straight | 1-1/2"     | 2-1/2"         |
| 5725              | Ogee     | 1-1/2"     | 2-1/2"         |

### "STILE" & "PANEL" COMBINATION PROFILES



### SMALL RAISED PANEL OR RAISED PANEL BACK CUTTER



This bit offers a safe and economical way to make that optional backside cut on raised panels. It is suitable for use with any of our Stile & Rail bits on page 28. This bit can also be used as a shallow raised panel bit for smaller projects.

| Part # | Shank Dia. | Large Dia. | Cutting Length | Overall Length |
|--------|------------|------------|----------------|----------------|
| 5850   | 1/2"       | 1-3/4"     | 1/2"           | 2-1/4"         |

### SHAKER STYLE RAISED PANEL

#### 15° Pattern

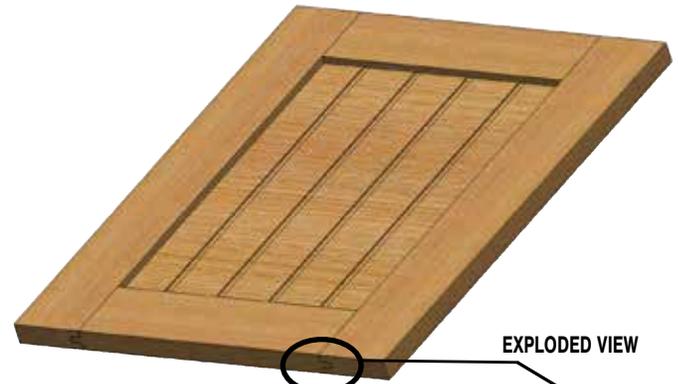
This set comes with three bearings (B3, B7, B8) to change the length of the tongue. Hex key included.



| Part # | Shank Dia. | Cutting Dia. | Cutting Length | Overall Length |
|--------|------------|--------------|----------------|----------------|
| 5980   | 1/2"       | 2"           | 9/16"          | 2-3/8"         |

### SHAKER STILE & RAIL

These sets are for cabinet door construction with either Undersized Plywood or actual 1/4" thick Panels. Tongue and Groove is 3/8" deep.



| Part #            | Pattern    | Cutting Length | Large Dia. | Panel Size (Tongue Thickness) |
|-------------------|------------|----------------|------------|-------------------------------|
| <b>1/2" SHANK</b> |            |                |            |                               |
| 5990              | Shaker     | 13/16"         | 1-5/8"     | Undersized (7/32" or 5.5mm)   |
| 5992              | Shaker     | 13/16"         | 1-5/8"     | Actual 1/4"                   |
| 6008              | 15° Shaker | 1"             | 1-5/8"     | Undersized (7/32" or 5.5mm)   |
| 6009              | 15° Shaker | 1"             | 1-5/8"     | Actual 1/4"                   |

### APPLICATION: RAISED PANEL DOOR CONSTRUCTION

Choose stock size as appropriate for your project. For example, 3/4" x 2" stile & rails and 5/8" thick panels (without optional back cut) are common for cabinet doors. Use your stock size and door size to calculate the following:

Stile length = Door height

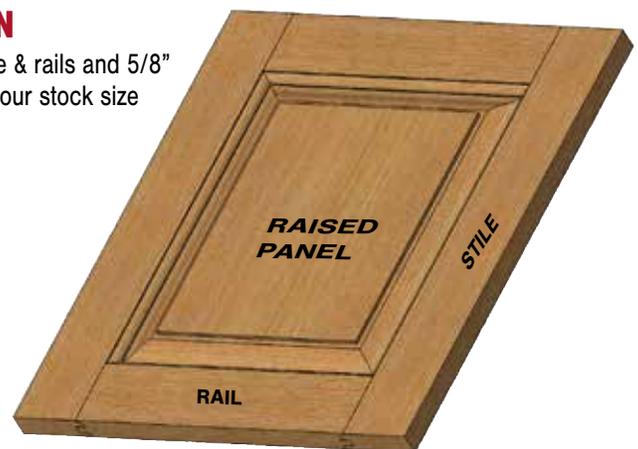
Rail length = Door width - width of both stiles + Interlock

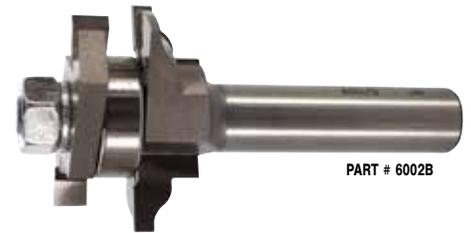
Panel height = Door height - width of both rails + Interlock - Expansion

Panel width = Rail length - Expansion

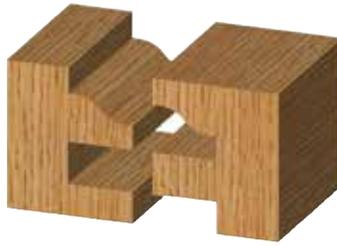
Interlock = 3/4" (3/8" per side) on Whiteside full size Stile & Rail bits

Expansion: Generally 1/8" on cabinet doors. Can vary with door size, green condition of wood, anticipated exposure to high humidity, and species of wood. The Stile bit cuts the entire length of the inside edge on both the stiles and the rails. The Rail bit is used to make the matching cross grain end cuts on the rails only. The Raised Panel bit cuts all four sides of each raised panel face down on the router table. Set Raised Panel bit height for proper tongue thickness. Tongue should be 1/4" for the full size Stile & Rail bits. Allow extra stock if you plan to use the optional back cutter. Use the Standard Glue Joint (page 23) or biscuits for added strength when gluing up larger panels. Cut all components and test fit. Then glue up and reassemble. Glue only the stile and rail joints. The panel should be allowed to "float" to allow for expansion and contraction. You may choose to use anti-rattle snakes to prevent the panel from rattling. Make your own by running a 1/8" bead of 100% silicone caulk on wax paper. Allow to dry. Cut into pieces about 3/4" long. Insert in each groove at every corner while assembling. Check the door for squareness immediately after gluing up. It may also be helpful to pre-stain the raised panel because part of the concealed portion of the tongue may become visible later due to contraction. Complete the door by adding a door edge pattern (page 30) around the outside edge.



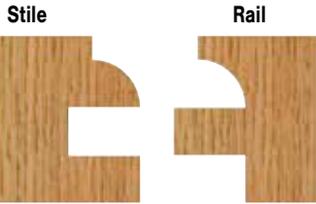


## FULL SIZE STILE & RAIL



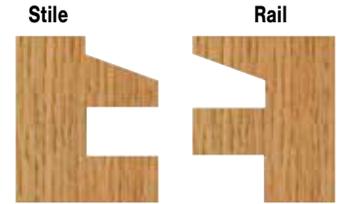
### MATCHED SETS

### MATCHED SETS

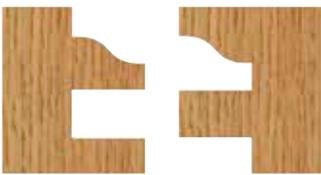


6001 - Round

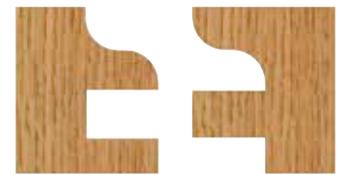
Make full size Stile and Rail joints on your router table. The interlocking design plus the raised panel groove are both cut in one pass. Ball bearing guides control the cutting depth and also allow use on rounded, arched, or special shaped doors. With these two piece sets, simply switch router bits to change from cutting stiles to cutting rails. Features a 1/4" tall x 3/8" long tongue. Ideal for stock from 5/8" to 7/8" thick.



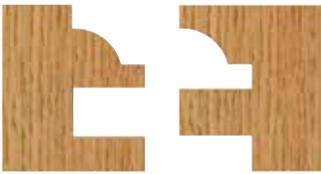
6004 - Straight



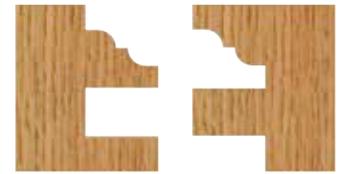
6002 - Ogee



6005 - Traditional



6003 - Bead



6006 - Classical

| Part #            | Pattern     | Reveal Width | Cutting Length | Large Dia. |
|-------------------|-------------|--------------|----------------|------------|
| <b>1/2" SHANK</b> |             |              |                |            |
| 6001              | Round       | 1/4"         | 1"             | 1-5/8"     |
| 6002              | Ogee        | 3/8"         | 7/8"           | 1-5/8"     |
| 6003              | Bead        | 3/8"         | 7/8"           | 1-5/8"     |
| 6004              | Straight    | 3/8"         | 7/8"           | 1-5/8"     |
| 6005              | Traditional | 3/8"         | 7/8"           | 1-5/8"     |
| 6006              | Classical   | 3/8"         | 7/8"           | 1-5/8"     |

*For Individual Bits:* Add A to Part Number for Stile Cutter.  
Add B to Part Number for Rail Cutter.  
Example: 6001A - Round Stile Cutter

*Replacement Parts:* Groover - 6625  
Bearing - B5

## PLYWOOD PANEL STILE & RAIL CONVERSION KIT

This conversion kit is for cabinet door construction with undersized 1/4" plywood panels (Actual panel thickness of 7/32" or 5.5 mm). Whiteside's conversion kit #6000X converts the regular full size Stile and Rail bits to the narrower groove required for these plywood panels. This kit gives you the flexibility to do either plywood panels or raised panels. Plus, it can be used on any Whiteside full size Stile and Rail bits that you may already own.

Our most popular Stile and Rail sets are also available ready to use just for plywood panel construction. Order Part Number **6001X** for round pattern or Part Number **6002X** for ogee pattern. 1/2" shank only.

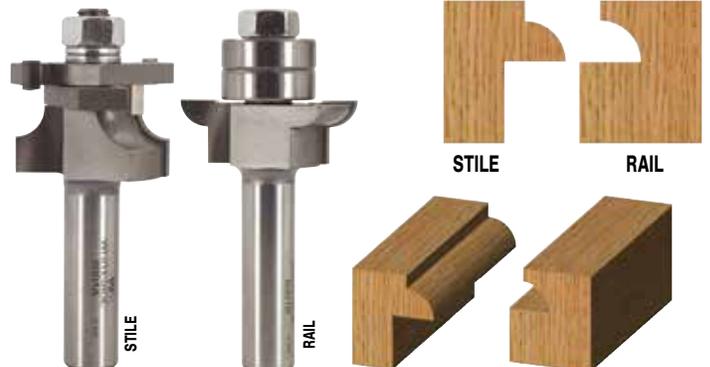


6001X Shown

## APPLICATION: STILE & RAIL GLASS DOOR CONSTRUCTION

Make the Stile & Rail cuts for glass doors using Whiteside's full size Stile & Rail (above). No extra components are required. All that's needed is to stagger the cutting edges and "stack" both groovers on the Stile bit. Use both bearings (no groover) on the Rail bit. See photo. Now make your cuts just like in normal door construction.

Cut the inside edges of all four pieces with the Stile bit. Trim the ends of the Rails with the Rail bit. Assemble door and insert glass pane. Use clips or corner trim mold on the back side to hold the pane in place.

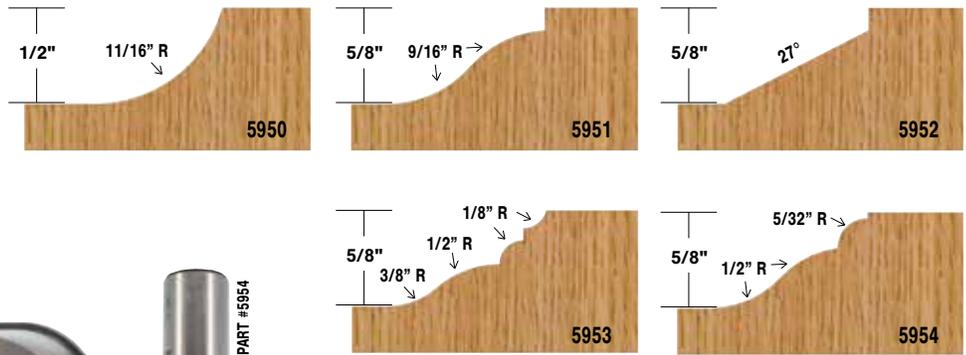




## MEDIUM RAISED PANEL BITS

### Ball Bearing Guide

These bits cut a 1" wide pattern and are often used for general edge profiles in addition to raised panels. They can be used with any of the full size Stile and Rail bits shown on Page 28.



| Part #            | Pattern   | Cutting Length | Large Dia. |
|-------------------|-----------|----------------|------------|
| <b>1/2" SHANK</b> |           |                |            |
| 5950              | Cove      | 1/2"           | 2-1/2"     |
| 5951              | Ogee      | 5/8"           | 2-1/2"     |
| 5952              | Angle     | 5/8"           | 2-1/2"     |
| 5953              | Classical | 5/8"           | 2-1/2"     |
| 5954              | Ogee Bead | 5/8"           | 2-1/2"     |

## LARGE RAISED PANEL BITS

### 1/2" Ball Bearing Guide

Two Wing  
OR  
Three Wing

PART #5900B  
2 WING

PART #6000E  
3 WING

| Part #                     | Large Dia. | # of Wings |
|----------------------------|------------|------------|
| <b>1/2" SHANK - 2 Wing</b> |            |            |
| 5900A                      | 3-1/4"     | 2          |
| 5900B                      | 3-1/4"     | 2          |
| 5900C                      | 3-1/4"     | 2          |
| 5900E                      | 3-1/4"     | 2          |

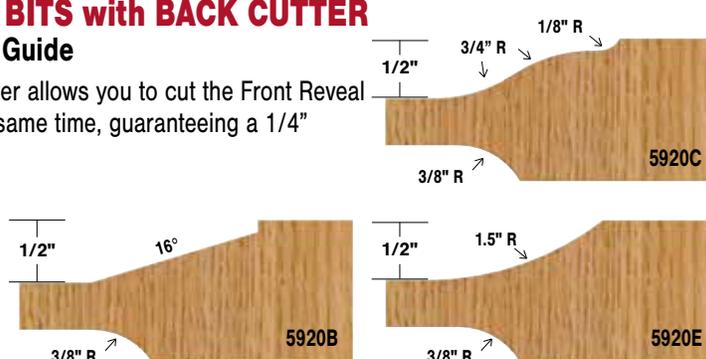
| Part #                     | Large Dia. | # of Wings |
|----------------------------|------------|------------|
| <b>1/2" SHANK - 3 Wing</b> |            |            |
| 6000A                      | 3-3/8"     | 3          |
| 6000B                      | 3-3/8"     | 3          |
| 6000C                      | 3-3/8"     | 3          |
| 6000E                      | 3-3/8"     | 3          |
| 6000F                      | 3-3/8"     | 3          |
| 6000G                      | 3-3/8"     | 3          |
| 6000H                      | 3-3/8"     | 3          |

## LARGE RAISED PANEL BITS with BACK CUTTER

### 2 Wing (2+2) - Ball Bearing Guide

This Panel Bit with Back Cutter allows you to cut the Front Reveal and the optional Back Cut at the same time, guaranteeing a 1/4" tongue in the process.

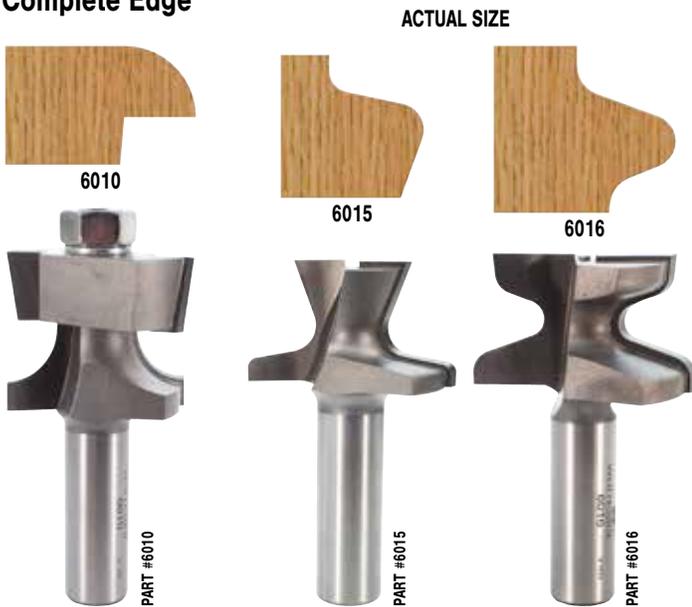
| Part #            | Large Dia. |
|-------------------|------------|
| <b>1/2" SHANK</b> |            |
| 5920B             | 3-1/4"     |
| 5920C             | 3-1/4"     |
| 5920E             | 3-1/4"     |



## DOOR EDGE

### DOOR EDGE BITS

Complete Edge



| Part #            | Large Dia. | Cutting Length | Style          |
|-------------------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |            |                |                |
| 6010              | 1-3/8"     | 1-1/8"         | Recessed Doors |
| 6015              | 1-1/2"     | 7/8"           | Finger Pull    |
| 6016              | 1-5/8"     | 15/16"         | Reversible     |

### DOOR EDGE BITS

Front Face Edge

These bits cut a decorative profile along the front face of the door edge while leaving most of the edge straight. Their shallow design works well with concealed European style cup hinges. Many of our other edge profile bits (pg 19-20) also make great door edges. (Deeper profiles may not be compatible with European style cup hinges).



| Part #            | Large Dia. | Cutting Length | Overall Length |
|-------------------|------------|----------------|----------------|
| <b>1/4" SHANK</b> |            |                |                |
| 3290              | 1-3/8"     | 3/8"           | 1-7/8"         |
| <b>1/2" SHANK</b> |            |                |                |
| 3292              | 1-3/8"     | 3/8"           | 2"             |
| 6020              | 1-9/16"    | 3/8"           | 2-1/4"         |
| 6021              | 1-3/4"     | 3/8"           | 2-1/4"         |
| 6022              | 1-3/4"     | 3/8"           | 2-1/4"         |
| 6023              | 1-3/4"     | 3/8"           | 2-1/4"         |

ACTUAL SIZE



3290 & 3292



6020



6021



6022



6023

## DRAWER EDGE

### DRAWER PULL - EUROPEAN STYLE



| Part #            | Large Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |              |            |                |                |
| 6024              | 3/16"        | 3/4"       | 7/8"           | 2-3/8"         |
| 6026              | 1/4"         | 1-1/2"     | 13/16"         | 2-3/8"         |

### DRAWER EDGE FINGER PULL

Produces a nice smooth finger grip primarily used on the bottom edge of drawer fronts. Also used as a finger pull on cabinet doors where no edge pattern is needed on the front face.

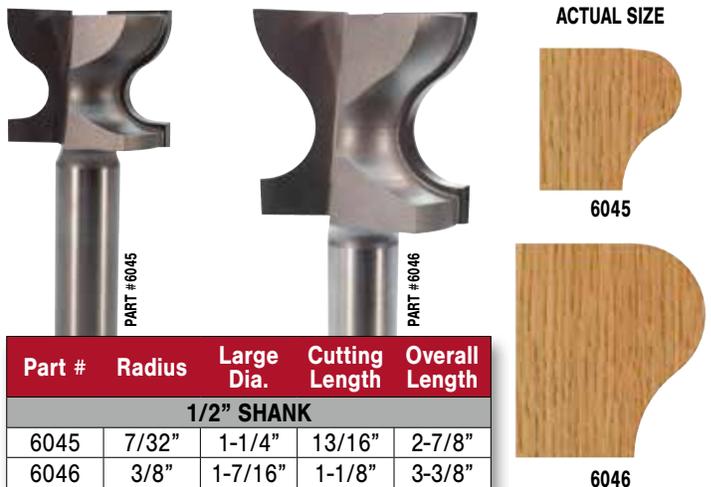


| Part # | Shank Dia. | Large Dia. | Cutting Length | Overall Length |
|--------|------------|------------|----------------|----------------|
| 6032   | 1/2"       | 1-1/4"     | 3/4"           | 2-1/2"         |

Bearing Number: B3

### WINDOW SILL EDGE/FINGER PULL

Originally designed to cut the front edge of window sills, this bit has also become popular for making a rounded finger edge on both drawers and door edges. Use with a router fence or add a shank mounted bearing for following a straight edge or template.



| Part #            | Radius | Large Dia. | Cutting Length | Overall Length |
|-------------------|--------|------------|----------------|----------------|
| <b>1/2" SHANK</b> |        |            |                |                |
| 6045              | 7/32"  | 1-1/4"     | 13/16"         | 2-7/8"         |
| 6046              | 3/8"   | 1-7/16"    | 1-1/8"         | 3-3/8"         |

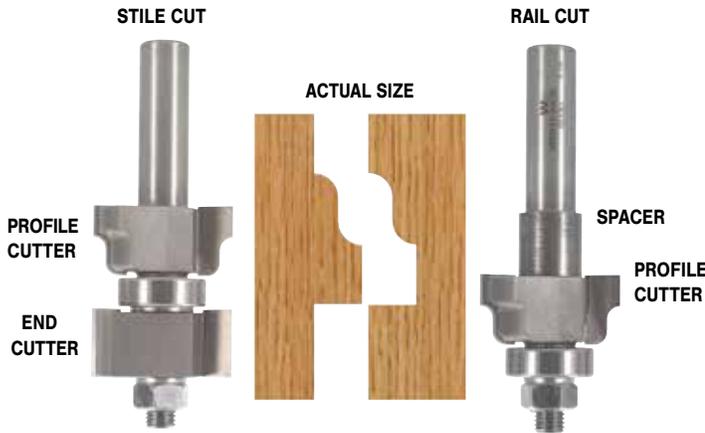
Use bearing (B16 for #6045, B18 for #6046) and Lock Collar (LC-1/2) on shank for template work.



## WINDOW SASH

### WINDOW SASH

This is the only bit you need to make a complete window sash. The bearing guide controls the pattern depth and also allows you to make arched or curved windows and glass doors.



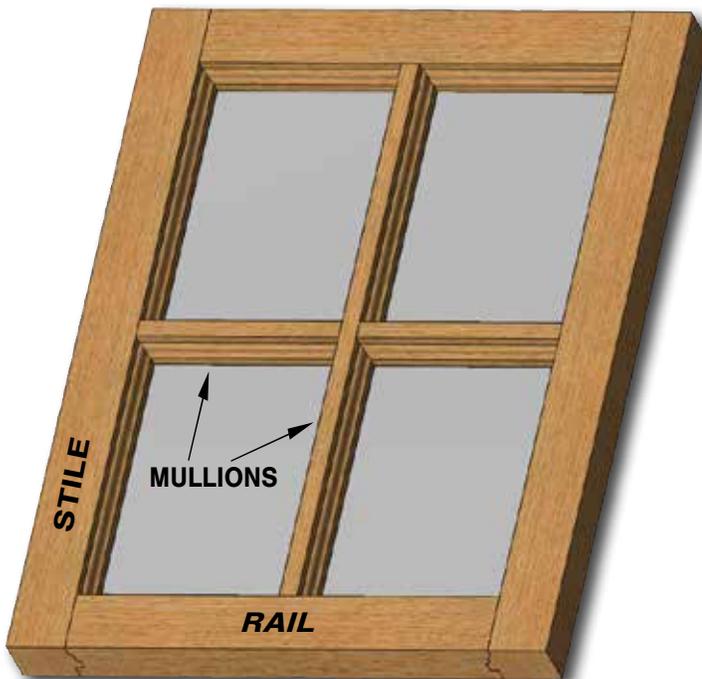
| Part #            | Cutting Dia. | Cutting Length | Overall Length |
|-------------------|--------------|----------------|----------------|
| <b>1/2" SHANK</b> |              |                |                |
| 6050              | 1-3/8"       | 7/8" - 1-5/8"  | 3-5/8"         |

Replacement Parts:  
 Arbor: A380  
 Bearing Number: B5

Profile Cutter: 6050H  
 Straight Cutter: 6050G  
 Spacer: 6050SP

### APPLICATION:

This assembly with the straight end cutter cuts the inside edges on both the stiles and rails. Convert the assembly to make the mating end cut by exchanging the straight cutter for the spacer (see drawing above). The spacer can be installed between the profile cutter and the shank if additional reach across the work piece is needed. Now make the mating end cuts on the rails. This bit can also be used to cut both the decorative edges and the mating end cuts required to make your own window mullions (crosspieces).



## SLOTING CUTTERS

### SLOTING CUTTERS

1-7/8" Cutting Diameter - 5/16" Bore

| Part # | Part # | Decimal | Fractional |
|--------|--------|---------|------------|
| 3-Wing | 4-Wing | Kerf    | Kerf       |
| 6700A  | 6700B  | .062    | 1/16"      |
| 6701A  |        | .070    |            |
| 6701C  |        | .078    | 5/64"      |
| 6702A  |        | .080    |            |
| 6703A  | 6703B  | .094    | 3/32"      |
| 6704A  |        | .100    |            |
| 6704C  |        | .110    | 7/64"      |
| 6705A  | 6705B  | .125    | 1/8"       |
| 6708A  |        | .156    | 5/32"      |
| 6709A  |        | .187    | 3/16"      |
| 6709C  |        | .218    | 7/32"      |
| 6710A  | 6710B  | .250    | 1/4"       |
| 6712A  |        | .281    | 9/32"      |
| 6715A  |        | .312    | 5/16"      |



Special sizes available upon request.

### SLOTING CUTTER ARBORS

Includes B5 Bearing for 1/2" Depth of Cut

| Part # | Shank Dia. | Overall Length |
|--------|------------|----------------|
| A200B  | 1/4"       | 2-3/8"         |
| A205B  | 3/8"       | 2-3/8"         |
| A210B  | 1/2"       | 2-5/8"         |
| A220B  | 1/2"       | 4"             |

Note - A220B has an extra long shank for extended reach.  
 All include B5 Bearing for 1/2" depth of cut.

- Use B20 Bearing for 9/16" depth of cut.
- Use B25 Bearing for 3/8" depth of cut.
- Use B26 Bearing for 1/4" depth of cut.
- Use B27 Bearing for 5/8" depth of cut.



## DRAWER SLOT CUTTERS

### DRAWER SLOT CUTTERS

(Jemco Machines)

| Part # | Cutting Dia. | Bore       | Kerf  | # of Flutes |
|--------|--------------|------------|-------|-------------|
| 6800   | 1-1/4"       | 3/8"-24thd | 3/16" | 4           |
| 6801   | 1-1/4"       | 3/8"-24thd | 3/16" | 6           |
| 6805   | 1-1/4"       | 3/8"-24thd | 1/4"  | 6           |



### DRAWER SLOT CUTTER ARBORS

| Part # | Shank Dia. | Overall Length | Thread  |
|--------|------------|----------------|---------|
| 6890   | 1/4"       | 2"             | 3/8"-24 |
| 6891   | 3/8"       | 2"             | 3/8"-24 |
| 6892   | 1/2"       | 2"             | 3/8"-24 |
| 6896   | 3/8"       | 3-1/4"         | 3/8"-24 |





## DOVETAIL BITS

### DOVETAIL BITS

Premium quality Dovetail Bits to meet all your Dovetailing needs.



| Part #                 | Shank Dia. | Large Dia. | Cut Depth | Overall Length | Cross Reference       |
|------------------------|------------|------------|-----------|----------------|-----------------------|
| <b>7° ANGLE</b>        |            |            |           |                |                       |
| D7-530                 | 1/4"       | 17/32"     | 3/4"      | 2-1/4"         |                       |
| D7-531                 | 1/2"       | 17/32"     | 3/4"      | 2-1/2"         | P•C #43776PC          |
| D7-625                 | 1/2"       | 5/8"       | 7/8"      | 2-5/8"         | Incra®                |
| D7-750                 | 1/2"       | 3/4"       | 7/8"      | 2-5/8"         | Incra®                |
| * D7-875               | 1/2"       | 7/8"       | 7/8"      | 2-1/2"         | Stair Tread           |
| <b>7-1/2° ANGLE</b>    |            |            |           |                |                       |
| <sup>sc</sup> D75-25   | 1/4"       | 1/4"       | 5/16"     | 2-1/2"         | Incra®/OmniJig® 43639 |
| <b>8° ANGLE</b>        |            |            |           |                |                       |
| <sup>sc</sup> D8-250   | 1/4"       | 1/4"       | 1/4"      | 2-1/2"         | Leigh® #50            |
| <sup>sc</sup> D8-250X8 | 8mm        | 1/4"       | 1/4"      | 2-1/2"         | Leigh® #50-8mm shank  |
| D8-375                 | 1/4"       | 3/8"       | 1/2"      | 2-3/8"         | Leigh® #70            |
| D8-375X8               | 8mm        | 3/8"       | 1/2"      | 2-3/8"         | Leigh® #70-8mm shank  |
| D8-437                 | 1/4"       | 7/16"      | 5/8"      | 2-3/8"         | Leigh® #75            |
| D8-437X8               | 8mm        | 7/16"      | 5/8"      | 2-3/8"         | Leigh® #75-8mm shank  |
| D8-500                 | 1/4"       | 1/2"       | 13/16"    | 2-3/4"         | Leigh® #80            |
| D8-500X8               | 8mm        | 1/2"       | 13/16"    | 2-3/4"         | Leigh® #80-8mm shank  |
| D8-687                 | 1/2"       | 11/16"     | 1"        | 3"             | Leigh® #90            |
| D8-812                 | 1/2"       | 13/16"     | 1-1/4"    | 3-1/4"         | Leigh® #100           |

| Part #           | Shank Dia. | Large Dia. | Cut Depth | Overall Length | Cross Reference       |
|------------------|------------|------------|-----------|----------------|-----------------------|
| <b>9° ANGLE</b>  |            |            |           |                |                       |
| D9-312           | 1/4"       | 5/16"      | 3/8"      | 2-1/4"         | Incra®                |
| D9-372           | 1/4"       | 3/8"       | 3/8"      | 2"             | Incra®                |
| * D9-375         | 1/2"       | 3/8"       | 3/8"      | 2"             |                       |
| * D9-376         | 1/2"       | 3/8"       | 3/8"      | 2-1/2"         | Incra®                |
| <b>10° ANGLE</b> |            |            |           |                |                       |
| D10-315          | 1/2"       | 5/16"      | 5/16"     | 2-1/2"         | Incra®                |
| D10-50           | 1/4"       | 1/2"       | 5/8"      | 2-1/2"         | Incra®/Leigh® #101    |
| D10-50X8         | 8mm        | 1/2"       | 5/8"      | 2-1/2"         | Leigh® #101-8mm shank |
| D10-55           | 1/2"       | 1/2"       | 5/8"      | 2-5/8"         | Incra®                |
| <b>14° ANGLE</b> |            |            |           |                |                       |
| D14-375          | 1/4"       | 3/8"       | 3/8"      | 2"             |                       |
| D14-50           | 1/4"       | 1/2"       | 1/2"      | 2"             | Incra®/OmniJig® 43705 |
| D14-51           | 1/4"       | 1/2"       | 1/2"      | 2-3/8"         | Leigh® #120           |
| D14-51X8         | 8mm        | 1/2"       | 1/2"      | 2-3/8"         | Leigh® #120-8mm shank |
| D14-55           | 1/2"       | 1/2"       | 1/2"      | 2-1/2"         | Incra®/OmniJig® 43750 |
| D14-531          | 1/4"       | 17/32"     | 1/2"      | 2"             | Incra®                |
| D14-75           | 1/2"       | 3/4"       | 3/4"      | 3"             | OmniJig® 43774        |
| D14-100          | 1/2"       | 1"         | 7/8"      | 2-1/2"         |                       |
| <b>18° ANGLE</b> |            |            |           |                |                       |
| D18-50           | 1/4"       | 1/2"       | 3/8"      | 2-1/4"         | Leigh® #128           |
| D18-50X8         | 8mm        | 1/2"       | 3/8"      | 2-1/4"         | Leigh® #128-8mm shank |

\* Also stocked in Left Hand. Add LH to part number.

<sup>sc</sup> Solid Carbide

All bits designated Incra® are also compatible with the JoinTech™ system.

### STRAIGHT BITS

Used With Dovetail Jigs



PART #1067

| Part #               | Shank Dia. | Large Dia. | Cut Depth | Overall Length | Cross Reference       |
|----------------------|------------|------------|-----------|----------------|-----------------------|
| <b>STRAIGHT BITS</b> |            |            |           |                |                       |
| 1020                 | 1/4"       | 5/16"      | 1"        | 2-3/4"         | Leigh® #140           |
| 1020X8               | 8mm        | 5/16"      | 1"        | 2-3/4"         | Leigh® #140-8mm shank |
| 1064A                | 1/2"       | 13/32"     | 1"        | 2-1/2"         | P•C #43743PC          |
| 1065L                | 1/2"       | 7/16"      | 1-1/4"    | 3-1/4"         | Leigh® #150           |
| 1067                 | 1/2"       | 1/2"       | 1-1/4"    | 2-7/8"         | Leigh® #160           |

### KELLER DOVETAIL BITS

Whiteside Machine Company offers precision router bits to match Keller's unique dovetailing system. All tools listed below are supplied with the required ball bearings.



PART #K35

| Part #                   | Keller Number | Shank Dia. | Large Dia. | Cutting Length | Overall Length |
|--------------------------|---------------|------------|------------|----------------|----------------|
| <b>7° ANGLE DOVETAIL</b> |               |            |            |                |                |
| K31                      | 1631          | 1/4"       | 11/32"     | 3/8"           | 2-1/4"         |
| K33                      | 1633          | 1/4"       | 7/16"      | 3/4"           | 2-5/8"         |
| K35                      | 2435          | 3/8"       | 5/8"       | 1"             | 2-5/8"         |
| <b>STRAIGHT BITS</b>     |               |            |            |                |                |
| K41                      | 1641          | 1/4"       | 5/8"       | 1/2"           | 2-1/4"         |
| K43                      | 1643/2443     | 1/4"       | 5/8"       | 3/4"           | 2-1/2"         |
| 3015                     | 2445          | 3/8"       | 7/8"       | 1"             | 2-5/8"         |
| * 3032                   | 1642          | 1/4"       | 9/16"      | 3/4"           | 2-1/4"         |

\* Box Joint Bit



## DOVETAIL SETS

### INCRA® DOVETAIL SETS



PART # D101



PART #605

Top quality Dovetailing sets for use with the popular Incra System. Choose the #D101 set (1/4" shank) for the smaller Dovetails (1/4", 3/8", 1/2", 17/32"). Take the #605 set (1/2" shank) for the heavier 3/8", 1/2", 5/8", & 3/4" Dovetail bits. Both sets also include the 1/4" and 3/8" Box Joint bits.

| Part # | Description                    |
|--------|--------------------------------|
| D101   | 6 Piece Incra Set - 1/4" shank |
| 605    | 6 Piece Incra Set - 1/2" shank |

All bits available individually. See previous page.

### LEIGH® DOVETAIL SETS



PART # D108



PART # D116

Upgrade to Whiteside Quality bits for your Leigh Jig. The smaller bits are supplied in the recommended 8mm shanks (1/2" Adapter Collet is included). The largest sizes come in 1/2" shanks. Improved performance guaranteed.

| Part # | Description  |
|--------|--|
| D108   | 7 Piece Leigh set. Includes D8-437x8, D8-687, D14-51x8, D18-50x8, 1020x8, 1067, and 6400x8 Adapter Collet.   |
| D116   | 6 Piece Leigh set for #D1600 16" Jig. All bits 8mm-shank. 6400x8 Adapter Collet to 1/2" is included. Complete with the following bits: 1020x8, D8-375x8, D8-500x8, D14-51x8, D18-50x8. |

All bits available individually. See previous page.

## SPOILBOARD SURFACING

### SURFACING AND FLATTENING

An economical, carbide tipped version to resurface your spoilboard or flatten slabs. Compatible with smaller CNC machines.



PART #6220



PART #6210

| Part # | Shank Dia. | Cut Dia. | Cutting Length | # of Wings |
|--------|------------|----------|----------------|------------|
| 6210   | 1/4"       | 1"       | 1/4"           | 3          |
| 6220   | 1/2"       | 2"       | 1/2"           | 4          |

### LARGE CNC SPOILBOARD SURFACING

#### With Replaceable Carbide Inserts

| Part #              | Shank Dia. | Large Dia. | # of Wings |
|---------------------|------------|------------|------------|
| <b>Straight Cut</b> |            |            |            |
| SB25-2              | 1/2"       | 2-1/2"     | 2          |
| SB40-3              | 3/4"       | 4"         | 3          |
| <b>Up Shear Cut</b> |            |            |            |
| SBU25-2             | 1/2"       | 2-1/2"     | 2          |
| SBU40-3             | 3/4"       | 4"         | 3          |



PART #SB25-2

### CARBIDE INSERTS

#### INDEXABLE - 4 CUTTING EDGES

| Part #    | Description              | Size               |
|-----------|--------------------------|--------------------|
| SB-Insert | 10 Pc. Insert Pack       | 14mm X 14mm X 2 mm |
| SB Screw  | Replacement Insert Screw | M5x7               |
| SB Wrench | Insert Wrench            | T-15 Torx          |

## COLLETS

### STEEL ROUTER COLLETS

#### Reducer Bushings

| Part #              | I.D.  | O.D. | Overall Length |
|---------------------|-------|------|----------------|
| <b>STRAIGHT CUT</b> |       |      |                |
| 6390                | 1/8"  | 1/2" | 1-1/4"         |
| 6395                | 3/16" | 1/2" | 1-1/4"         |
| 6400                | 1/4"  | 1/2" | 1-1/4"         |
| 6400X6              | 6mm   | 1/2" | 1-1/4"         |
| 6400X8              | 8mm   | 1/2" | 1-1/4"         |
| 6400X10             | 10mm  | 1/2" | 1-1/4"         |
| 6401                | 5/16" | 1/2" | 1-1/4"         |
| 6402                | 3/8"  | 1/2" | 1-1/4"         |
| 6403                | 1/4"  | 3/4" | 1-1/4"         |
| 6404                | 5/16" | 3/4" | 1-1/4"         |
| 6405                | 3/8"  | 3/4" | 1-1/4"         |
| 6406                | 1/2"  | 3/4" | 1-1/4"         |



PART #6400

## SOLID BRASS INLAY KITS



Whiteside's Brass Inlay Kits allow 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. Our kit includes a special centering pin to insure exact alignment with router spindle. Each kit includes a Solid Carbide Down-Cut Spiral router bit. For use in a base plate with a 1-3/8" diameter hole x 1-3/16" counterbore.

| Part # | Cutting Dia. | Bit Part # | Inside Corner Radius | Description        |
|--------|--------------|------------|----------------------|--------------------|
| 9500   | 1/8"         | RD1600     | 1/16"                | Standard Inlay Kit |
| 9501   | 1/4"         | RD2075     | 1/8"                 | Large Inlay Kit    |

## 9510 - BASE PLATE REDUCERS - SOLID BRASS



These solid brass inserts fit into your router base plate to reduce the gap around the router bit. Not only is this safer, but it also reduces tear-out and helps support smaller work pieces. Supplied in a set with openings of 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1", plus a retaining nut. Openings are slightly oversize for tool clearance. Fits any router with a standard 1-3/16" diameter recessed hole for template guides.

## BRASS TEMPLATE GUIDE BUSHINGS

Machined guide bushings allow precise centering of the bit inside of jigs and templates. Supplied with bushing and line up pin.

| Part #   | ID     | OD    |
|----------|--------|-------|
| 9540-38N | 9/32"  | 3/8"  |
| 9540-44N | 11/32" | 7/16" |
| 9540-62N | 17/32" | 5/8"  |



## 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. Manufactured by Whiteside Machine Company.

## 9750 - EXTENSION ADAPTER

For CNC Carving Machines



Used for light routing and veining on CNC carving machines. Allows deeper reach. Adapter is 1/2" shank. Accepts 1/4" shank bits only. Order Part #9750.

## BRASS SET-UP GAUGE BLOCKS



Our Square Gauge Blocks are a quick way to make many easy, accurate set-ups. A great way to make exact depth movements on plunge routers. On table routers, they're perfect for setting distances from the fence to the cutter, or for checking the bit height above the table. Supplied in 1/8", 3/16", 1/4", 3/8", and 1/2" squares. Blocks can be "stacked" to cover a wider range of sizes. A very helpful tool!

| Part # | Description             |
|--------|-------------------------|
| 9800   | 5 pc. Set - 2-1/2" Long |
| 9810   | 5 pc. Set - 4" Long     |

## ARBORS



| Part # | Shank Dia. | Arbor Dia. | Arbor Length | Overall Length |
|--------|------------|------------|--------------|----------------|
| A200   | 1/4"       | 5/16"      | 7/8"         | 2-3/8"         |
| A205   | 3/8"       | 5/16"      | 7/8"         | 2-1/2"         |
| A210   | 1/2"       | 5/16"      | 7/8"         | 2-5/8"         |
| A220   | 1/2"       | 5/16"      | 7/8"         | 4"             |
| A250   | 1/4"       | 5/16"      | 1-3/16"      | 2-3/4"         |
| A260   | 1/2"       | 5/16"      | 1-3/16"      | 3-5/16"        |
| A300   | 1/4"       | 5/16"      | 1-7/16"      | 3"             |
| A310   | 1/2"       | 5/16"      | 1-7/16"      | 3-3/16"        |
| A375   | 1/2"       | 5/16"      | 1-3/4"       | 3-3/8"         |



Arbors include nut and washer.

## FLAT WASHERS - 10 pc. Pack

| Part # | Outside Dia. | Inside Dia. | Thickness |
|--------|--------------|-------------|-----------|
| 31250W | 1/2"         | 5/16"       | 1/16"     |



## W300 - SHIM WASHER KIT

Use these shim washers to fine adjust the spacing on any arbor or assembly with a 5/16" diameter arbor (Slot Cutters, Stile & Rail, Window Sash, Tongue & Groove). Washers are 5/16" I.D. x 1/2" O.D. Includes three each of the following thicknesses: 0.004, 0.006, 0.008, 0.010, 0.012.



## BALL BEARINGS - Import

| Part # | Outside Dia. | Inside Dia. | Application                 |
|--------|--------------|-------------|-----------------------------|
| B1A    | 1/4"         | 1/8"        |                             |
| B1     | 3/8"         | 1/8"        |                             |
| B2     | 3/8"         | 3/16"       |                             |
| B3     | 1/2"         | 3/16"       | Standard                    |
| B3 BLK | 1/2"         | 3/16"       | 100 pcs. Bulk               |
| B3S    | 1/2"         | 3/16"       | Non-Mar Nylon Sleeve        |
| B3SQ   | 1/2"         | 3/16"       | Euro-Square (pg. 16)        |
| B3U    | .490"        | 3/16"       | for Resharpener (Undersize) |
| B4     | 3/4"         | 1/4"        |                             |
| B5     | 7/8"         | 5/16"       |                             |
| B6     | 5/8"         | 1/4"        |                             |
| B7     | 5/8"         | 3/16"       |                             |
| B8     | 3/4"         | 3/16"       |                             |
| B8SQ   | 3/4"         | 3/16"       | Euro-Square (pg. 16)        |
| B9     | 1/2"         | 1/4"        |                             |
| B9U    | .490"        | 1/4"        | for Resharpener (Undersize) |
| B11    | 1-1/8"       | 1/2"        |                             |
| B12    | 7/8"         | 3/8"        |                             |
| B13    | 7/8"         | 1/2"        |                             |
| B14    | 11/16"       | 3/16"       |                             |
| B15    | 13/16"       | 3/16"       |                             |
| B16    | 1-1/4"       | 1/2"        |                             |
| B17    | 1-3/8"       | 1/2"        |                             |
| B18    | 1-1/2"       | 1/2"        |                             |
| B19    | 3/4"         | 1/2"        |                             |
| B20    | 3/4"         | 5/16"       |                             |
| B21    | 7/8"         | 1/4"        |                             |
| B24    | 1-7/8"       | 1/2"        |                             |
| B25    | 1-1/8"       | 5/16"       |                             |
| B26    | 1-3/8"       | 5/16"       |                             |
| B27    | 5/8"         | 5/16"       |                             |
| B28    | 7/8"         | 3/16"       |                             |
| B29    | 1"           | 3/16"       |                             |
| B33    | 9/16"        | 3/16"       |                             |
| BB300  | 7/8" X 10°   | 3/16"       | Non-Mar Nylon Sleeve        |
| BB315  | 7/8" X 15°   | 3/16"       | Non-Mar Nylon Sleeve        |
| BB318  | 7/8" X 18°   | 3/16"       | Non-Mar Nylon Sleeve        |

## ACCESSORY KITS



### BB501 - 5 Piece Bearing Conversion Kit

Use this kit to vary the horizontal cutting depth of router bits with bearing pilots. Great for stepping in to finish depth by controlled increments.

Contains B2 (3/8" x 3/16"), B3 (1/2" x 3/16"), B7 (5/8" x 3/16"), B8 (3/4" x 3/16") Bearings and 3/32" Hex Key Wrench.

### BB600 - General Bearing Repair Kit

This handy kit includes spare bearings, screws, and wrench to replace bearings on most bits.

Includes five B3 (1/2" x 3/16") and two B2 (3/8" x 3/16") bearings, ten 54025S Screws, and a 3/32" Hex Key Wrench.

### BB701 - Accessory Kit

Great for replacement bearings and screws - Plus this generous bearing assortment allows you to vary your cutting depths and change your profiles. Also contains lock collars and bearings for adding bearing guides to the shanks of your standard bits for following templates.

Contains: 12 bearings – four B3 (1/2" x 3/16"), one each of B2 (3/8" x 3/16"), B7 (5/8" x 3/16"), B8 (3/4" x 3/16"), B9 (1/2" x 1/4"), B6 (5/8" x 1/4"), B4 (3/4" x 1/4"), B5 (7/8" x 5/16") and B11 (1-1/8" x 1/2"); two each 1/4" lock collars (LC-1/4) and 1/2" lock collars (LC-1/2); one each 1/16", 5/64", 3/32" and 5/32" Hex Key wrenches; plus ten 54025S bearing screws.

### BEARING LOCK COLLARS

Retaining Collars used when bearings are added to the shanks of router bits for following templates.

| Part # | Shank Dia. | Outside Dia. |
|--------|------------|--------------|
| LC-1/4 | 1/4"       | 7/16"        |
| LC-1/2 | 1/2"       | 11/16"       |



Uses part #HK-1/16 Hex Key Wrench  
#LCS-Replacement Set Screw for Standard Lock Collars

## SPARE PARTS

### SOCKET HEAD CAP SCREWS - 10 pc. Pack

| Part #  | Thread Size | Thread Length | Hex Key |
|---------|-------------|---------------|---------|
| 34825S  | 3-48        | 1/4"          | 5/64"   |
| 54025S  | 5-40        | 1/4"          | 3/32"   |
| 103238S | 10-32       | 3/8"          | 5/32"   |



Add BLK to part number for 100 pcs.

### HEX KEY WRENCHES

| Part #  | Size  | Application                                    |
|---------|-------|--|
| HK-1/16 | 1/16" | Standard Bearing Lock Collars                  |
| HK-5/64 | 5/64" | 1/8" I.D. Bearings (3-48 Screw)                |
| HK-3/32 | 3/32" | 3/16" I.D. Bearings (5-40 Screw - Most Common) |
| HK-5/32 | 5/32" | 1/4" I.D. Bearings (10-32 Screw)               |
| HK-1/8  | 1/8"  | Hole Saws / Quick Change Shanks                |

### HEX NUTS - 10 pc. Pack

| Part # | Thread Size | Width | Hex Size |
|--------|-------------|-------|----------|
| 1032N  | 10-32       | 1/4"  | 3/8"     |
| 31224N | 5/16"-24    | 1/4"  | 1/2"     |



### REPLACEMENT PARTS BY TOOL NUMBER

Replacement Bearing sizes are listed in the catalog with each tool. Most tools with bearing pilots require only the 54025S Screw. Exceptions:

| Part #  | Type  | Fits Part Number   |
|---------|-------|--|
| 34825S  | Screw | 2400, 2401, 2404A  |
| 103238S | Screw | 2014-2016, 2410, 2415, 2560, 2570, 2575, 2580, 2715, UDC9112, UDFT9112, UDP9112, UDC9138,UDC9163,UDC9213, UDFT9138, UDFT9163, UDFT9213 |
| 1032N   | Nut   | RFT5125, RFTD5125, RFT5200, RFTD5200, UDFT5152, UDFT5200   |



## ROUTER BIT SETS

### Durable Plastic Cases!



### Keep Your Tools Safe and Organized.

### ROUNDROVER & BEADING SETS

**SET 501 - 1/2" SHANK**

ROUNDROVER      4 PCS B2 BEARINGS      EXTRA SCREW      BEADING

2006 1/4" RADIUS      2008 3/8" RADIUS      2009 1/2" RADIUS      2010 3/4" RADIUS

Roundovers are by far the most used edge forming bits in woodworking. This set offers the most common radii (R1/4", R3/8", R1/2") in 1/2" shanks, plus a hefty 3/4" radius workhorse. Extra bearings and wrench are included to convert each bit from Rounding over to Beading - i.e., Roundover with a decorative step.

**SET 502 - 1/4" SHANK**

ROUNDROVER      5 PCS B2 BEARINGS      EXTRA SCREW      BEADING

2000C 1/8" RADIUS      2000 3/16" RADIUS      2001 1/4" RADIUS      2003 3/8" RADIUS      2004 1/2" RADIUS

Easily round off all your square edges with lightweight 1/4" capacity Hand Routers. Keep the whole range of sizes (R1/8", R3/16", R1/4", R3/8", R1/2") neatly organized and right at your fingertips. As with the 1/2" shank set, this kit comes fully equipped to extend its usage by converting to Beading - i.e., Roundover with a decorative step.

### BASIC 7 PC. BIT SET

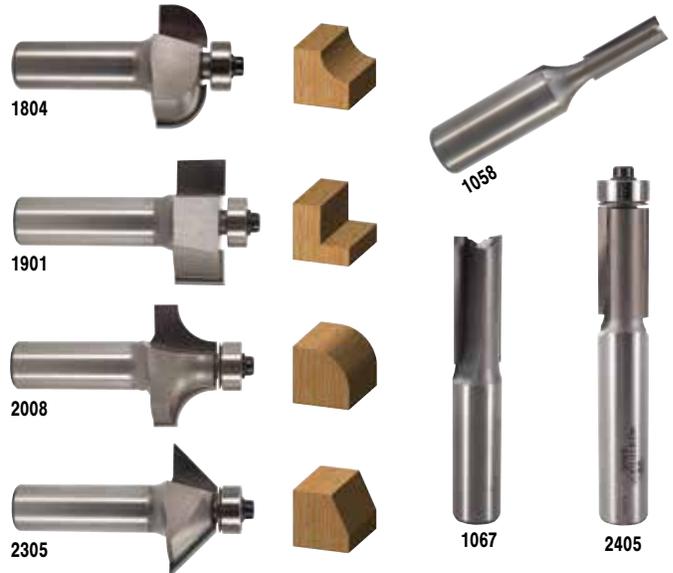
These sets are made up of the most popular woodworking bits.

Includes:

- R3/8" Cove
- 3/8" x 1/2" Rabbet
- R3/8" Roundover
- 45° Chamfer
- 1/4" Straight
- 1/2" Straight
- 1/2" Flush Trim

**SET 401** 1/2" SHANK      **SET 402** 1/4" SHANK

|      |      |
|------|------|
| 1804 | 1801 |
| 1901 | 1900 |
| 2008 | 2003 |
| 2305 | 2302 |
| 1058 | 1013 |
| 1067 | 1026 |
| 2405 | 2402 |



### STRAIGHT & HALF ROUND COMBO

**SET 600 - 1/2" SHANK**



A nice collection of Straight Bits and Half Rounds grouped together in one protective case. This set includes:

- 3/8 Straight
- 1/2 Straight
- 5/8 Straight
- 3/4 Straight
- 3/8 Half Round
- 1/2 Half Round
- 5/8 Half Round
- 3/4 Half Round

This handy group covers the full assortment of bits needed for the INCRA® HingeCrafter. Whiteside Industrial Quality.



## COMPACT ROUTER BIT SET

## SET 404

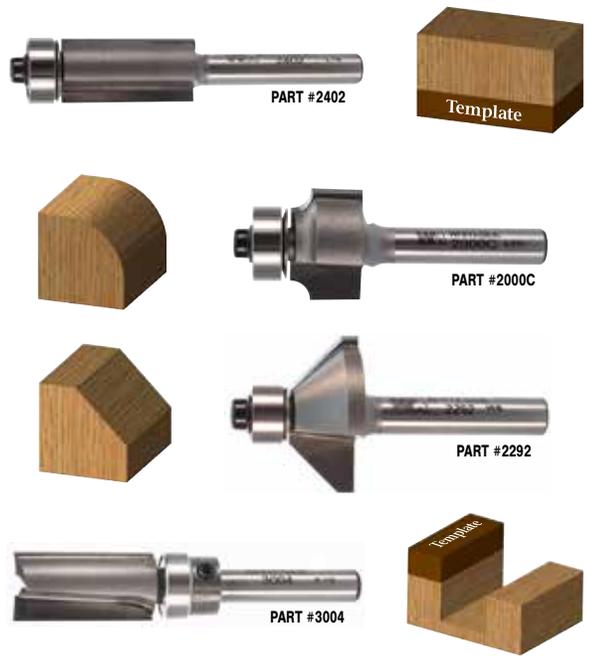
A convenient starter set made up of four popular router bits all in a 1/4" shank. Works well in compact routers or laminate trimmers. The set includes a Template Bit, 45° Chamfer Bit, 1/8" Roundover Bit, and Flush Trim Bit. This selection is designed to be compatible with the smaller base plate holes found in compact routers.



### 1/4" SHANK Two Flute

#### Includes:

- 2402 - Flush Trim Bit
- 2000C - 1/8" Roundover Bit
- 3004 - Template Bit
- 2292 - 45° Chamfer Bit

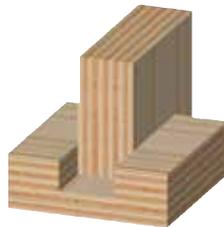
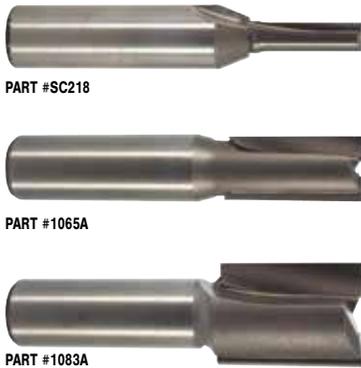


## PLYWOOD DADO SET

## SET 470

### 1/2" SHANK - Two Flute

These router bits are sized to exactly match today's nominal plywood thicknesses. Consists of a 7/32" bit for 1/4" Plywood, a 31/64" bit for 1/2" Plywood, and a 23/32" bit for 3/4" Plywood.



#### Includes:

- SC218 - Solid Carbide Straight Bit
- 1065A - Carbide Tipped Straight Bit
- 1083A - Carbide Tipped Straight Bit



# TEN ESSENTIAL ROUTER BIT SET

The woodworking hobbyist needs a variety of quality bits. Whiteside's Set 410 is essential to kickstart your router projects. All bits are 1/2" shank except the 1/4" straight bit. This set contains:

## SET 410

- 1014 - 1/4" Straight
- 1069 - 1/2" Straight
- 1954 - 1/2" Rabbeting
- 2305 - 45 Degree Chamfer
- 2006 - 1/4" Radius Roundover
- 1804 - 3/8" Radius Cove
- 2407 - 1/2" x 1-1/2" Flush Trim
- RU4900 - 3/8" Solid Carbide Spiral Upcut
- 6710A - 1/4" 3-Wing Slot Cutter
- A210B - Slot Cutter Arbor
- D10-55 - 1/2" 10 Degree Dovetail
- B3, B7, & B8 Bearings, and a 3/32" Hex Key



## CNC SETS

**BALL NOSE SET  
#703**



**#703** The Ball Nose Set contains three 1/4" shank bits consisting of two Ball Nose Spirals and one Conical Ball Nose Spiral. Great for most CNC profiling.

**#705** The Starter Set is a great asset for small CNC owners who are just learning how to use their machine. Even experienced CNC machinists will appreciate the selection of bits in this set. This group contains five 1/4" bits including two Conical Ball Nose Spirals, an Up Cut Spiral, and two V-Groove bits.

**#706** The Lettering Set contains six bits including a Pointed Roundover, Plunge Roundover, 60° V-Groove, a Cove Nose Spiral, and two sizes of Round Nose Bits. Create a wide variety of letters, signs, and decorative artwork with these bits.

**STARTER SET  
#705**



**LETTERING SET  
#706**



| Part # | Pcs | Description   |
|--------|-----|---|
| 703    | 3   | Ball Nose Set - SC66, RU1800RN, RU2075RN  |
| 705    | 5   | Starter Set - SC64, SC66, RU2075, 1502, 1550  |
| 706    | 6   | Lettering Set - 1403, 1404, 1550, 1572, 2051, RU2075CN  |
| 708    | 8   | Engraving Set - SC54, SC55, SC70, SC71, SC75, SC76, 1541, 1500  |
| 709    | 9   | General Purpose Set - RU1600, RU2100, RD1600, RD2100, RU1800RN, RU2075RN, SC64, 1502, 1550                                    |
| 714    | 14  | The Works by Whiteside - 1502, 1550, 1568, 6210, RU2100, UD2102, RU1800RN, RU2075RN, RU1601A, RU2074A, SC50, SC54, SC64, SC70 |

**ENGRAVING SET  
#708**



**#708** The Engraving Set contains eight 1/4" Engraving bits with an included angle ranging from 15° to 90°. All types of projects will appear visually stunning with the many engraving options that exist from this one kit.

**GENERAL PURPOSE SET  
#709**



**#709** The General Purpose CNC Set is a nine piece kit designed to give woodworkers a full selection of bits for cutting natural and composite woods along with hard plastics and thin aluminum. This set features our two most popular V-Grooves, two Ball Nose Spirals, two Up-Cut Spirals, two Down Cut Spirals, and our four-flute Tapered Ball Nose Spiral. The selection of tools allows for a wide variety of projects including cut out work, mortising, sign making, engraving, 3D carving, and more.

**#714** The Works by Whiteside is a deluxe selection of CNC focused tools offering a complete solution for cutting natural woods, composite woods, plastics, and aluminum. This set contains 14 router bits ranging from Standard Spirals, Ball Nose Spirals, and Compression Spirals to O-Flutes for plastics and aluminum, Engraving Bits for lettering and fine detail work, plus our popular #6210 Surfacing Bit.

**THE WORKS  
#714**





## WHITESIDE MACHINE. FAMILY OWNED AND OPERATED. SINCE 1970. TOP QUALITY. EXCELLENT VALUE. UNMATCHED RELIABILITY.

Whiteside is proud to offer Industrial Quality Blades for the U.S. market. These blades meet our standards for quality and dependability. No frills. No hassles. No sales gimmicks. We are simply offering solid product that delivers an exceptional price-to-performance ratio as part of the quality, value, and reliability that you would expect from Whiteside.

Our blades are made by Dimar, an Israeli company with many years of saw blade manufacturing expertise. Their product line has built a global reputation very similar to that of Whiteside Router Bits in the United States. Dimar and Whiteside have joined together in a partnership to deliver Dimar blades to the industrial market in the U.S. All products listed are currently being stocked at Whiteside Machine.

### SAW BLADES

#### STANDARD RIPPING AND GLUE LINE RIPPING BLADES

These blades are designed for aggressive cutting with the grain in solid woods. They are ideal for power or hand feeding and are also compatible with single and gang rip saws. The Standard Rip Saw has a traditional Flat Top Grind and is the best choice when high feed rates are the primary concern. The TCG grind and the higher tooth count on the Glue Line Blades produce extremely smooth, true edges for gluing and finish work without planing.

##### STANDARD RIPPING



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90120021 | 10"  | 24    | 5/8" | 0.126" | 20°  | FLAT  |
| 90100505 | 12"  | 24    | 1"   | 0.126" | 20°  | FLAT  |
| 90120355 | 12"  | 30    | 1"   | 0.157" | 20°  | FLAT  |

##### GLUE LINE RIPPING



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90121411 | 10"  | 30    | 5/8" | 0.126" | 22°  | TCG   |
| 90121505 | 12"  | 40    | 1"   | 0.157" | 22°  | TCG   |
| 90122305 | 14"  | 40    | 1"   | 0.169" | 22°  | TCG   |

#### COMBINATION BLADES

The standard multi-purpose blade for a wide range of materials, including softwood, hardwood, plywood, and particle board. The large gullet at the raker tooth, along with the 15° hook angle, provides easy feeding for ripping style cuts, while the close grouping of the other four ATB teeth produces a lighter chip load for crosscutting and finish work. These blades offer a great combination of versatility and efficiency.

##### COMBINATION BLADES

| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90800101 | 8"   | 40    | 5/8" | 0.126" | 15°  | COMB  |
| 90800401 | 10"  | 50    | 5/8" | 0.134" | 15°  | COMB  |
| 90800505 | 12"  | 60    | 1"   | 0.150" | 15°  | COMB  |
| 90800605 | 14"  | 70    | 1"   | 0.150" | 15°  | COMB  |



## GENERAL PURPOSE BLADES

General Purpose Saw Blades can be used for ripping, crosscutting, trimming, and sizing. The moderate hook angle provides a good balance between feed and surface quality along with extended blade life. The ATB grind is an excellent choice for cabinet shops, as it performs well in materials such as hardwood, softwood, plywood, and chipboard. The TCG grind excels in composition board, MDF, HDF, and plastic laminates.

### ATB



| Part #    | Dia. | Teeth | Bore | Kerf   | Hook | Grind  |
|-----------|------|-------|------|--------|------|--------|
| 90104001  | 8"   | 48    | 5/8" | 0.118" | 10°  | ATB    |
| 90102601  | 10"  | 40    | 5/8" | 0.126" | 15°  | ATB    |
| *90120061 | 10"  | 40    | 5/8" | 0.126" | 18°  | Hi-ATB |
| 90104205  | 12"  | 60    | 1"   | 0.126" | 10°  | ATB    |

### TCG



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90104701 | 8"   | 48    | 5/8" | 0.118" | 10°  | TCG   |
| 90104801 | 10"  | 60    | 5/8" | 0.126" | 10°  | TCG   |
| 90104855 | 12"  | 60    | 1"   | 0.126" | 10°  | TCG   |
| 90104955 | 14"  | 72    | 1"   | 0.137" | 10°  | TCG   |

\* For natural woods and veneers with relatively high feeds.

## TRIM CUT BLADES

Trim Cut Blades are designed with a finer tooth configuration for finish work. The 10° hook angle provides effortless feeding, and the high tooth count produces clean, chip-free cutting. The ATB grind produces a superb finish even when crosscutting hardwoods, softwoods, plywood, and wood veneers. The TCG grind is ideal for finish cuts in MDF, HDF, OSB, laminated covered products, and works well with single or double-sided melamine.

### ATB



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90105701 | 10"  | 80    | 5/8" | 0.126" | 10°  | ATB   |
| 90105805 | 12"  | 96    | 1"   | 0.126" | 10°  | ATB   |
| 90105905 | 14"  | 108   | 1"   | 0.137" | 10°  | ATB   |

### TCG



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 90106205 | 12"  | 96    | 1"   | 0.126" | 10°  | TCG   |
| 90106305 | 14"  | 108   | 1"   | 0.137" | 10°  | TCG   |

## SLIDING COMPOUND AND RADIAL ARM SAW BLADES

### SLIDING COMPOUND & RADIAL ARM

Manufactured with -5° hook to prevent grabbing, these blades offer outstanding performance on compound, radial and slide compound miter saws. The combination tooth design with 80 teeth provides flawless, ultra-smooth cuts in hardwoods, softwoods, moldings, and picture frames. Excellent for cut off work.



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind |
|----------|------|-------|------|--------|------|-------|
| 95006611 | 10"  | 80    | 5/8" | 0.118" | -5°  | COMB  |
| 95006635 | 12"  | 80    | 1"   | 0.122" | -5°  | COMB  |

## LAMINATE AND PLASTIC BLADES

### LAMINATE CUTTING

The High ATB grind and -6° hook on these blades produce extremely clean, chip-free cuts on both single and double-sided melamine and laminated materials. The negative hook geometry allows an excellent quality cut without grabbing.



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind  |
|----------|------|-------|------|--------|------|--------|
| 90302721 | 10"  | 80    | 5/8" | 0.126" | -6°  | Hi-ATB |
| 90302805 | 12"  | 96    | 1"   | 0.134" | -6°  | Hi-ATB |
| 90302905 | 14"  | 108   | 1"   | 0.134" | -6°  | Hi-ATB |

### PLASTIC & SOLID SURFACE

The special tooth grind on these blades is compatible for cutting Plexiglass®, solid surface, acrylics, polycarbonates, ABS, and PVC. This tooth grind, along with the fine-tooth configuration, produces a superior finish in many plastics.



| Part #   | Dia. | Teeth | Bore | Kerf   | Hook | Grind     |
|----------|------|-------|------|--------|------|-----------|
| 90107031 | 10"  | 80    | 5/8" | 0.098" | -2°  | U-PLASTIC |
| 90141755 | 12"  | 84    | 1"   | 0.126" | 0°   | U-PLASTIC |

## ULTRA FINE CUT DADO SET

Whiteside's Ultra Fine Cut Dado Set features nearly twice the number of teeth than standard dado sets. The outside blades each contain 44 teeth with negative hook along with unique laser cut slots to reduce vibration. Effortless chip free, flat bottom dados will be achieved in hardwood, softwood, and veneer plywoods. The set comes equipped with five chippers (four 1/8" and one 1/16" thick) and a color-coded shim set for micro width adjustments.



### DADO SETS

| Part #   | Dia. | Teeth | Bore | Kerf        | Hook | Grind |
|----------|------|-------|------|-------------|------|-------|
| 8443DADO | 8"   | 44    | 5/8" | 1/4"-13/16" | -6°  | ATB/F |

## ADJUSTABLE SCORING SET



This scoring set eliminates the need for spacers, measuring, reassembling, testing, or adjusting that comes with traditional scoring blades. Simply loosen the locking screw and turn the dial to easily change the blade width from 2.8mm to 3.6mm. Bushings are included so that this set is compatible with 20mm, 22mm, or 3/4" shafts.

### ADJUSTABLE SCORING SET

| Part #   | Dia.  | Teeth | Kerf      | Hook | Bore              | Grind |
|----------|-------|-------|-----------|------|-------------------|-------|
| 95620314 | 120mm | 2x12  | 2.8-3.6mm | 12°  | *22mm, 20mm, 3/4" | ATB   |

\* 22mm Bore includes bushings to obtain 20mm and 3/4" Bore.



## WHITESIDE BRAD POINT DRILL BITS



PART #BPD250

Solid Carbide



PART #BPD250

| Part #                  | Hole Dia. | Flute Length | Max Depth | Overall Length |
|-------------------------|-----------|--------------|-----------|----------------|
| <b>ROUND 1/4" SHANK</b> |           |              |           |                |
| BPD156                  | 5/32"     | 3/4"         | 1"        | 2-1/2"         |
| BPD188                  | 3/16"     | 3/4"         | 1"        | 2-1/2"         |
| BPD197                  | 5mm       | 3/4"         | 1"        | 2-1/2"         |
| BPD250                  | 1/4"      | 3/4"         | 1"        | 2-1/2"         |

\*\* Only for drilling - not routing.

## FACE FRAME COUNTERBORES

Carbide Tipped



PART #FF301

| Part #  | Counterbore Dia.                                  | Pilot Dia. | Length | Type         |
|---------|---|------------|--------|--------------|
| FF301   | 3/8"  | 0.136"     | 4"     | Standard     |
| FF301SP | 3/8"  | 0.136"     | 4"     | Spiral Flute |
| FF302   | 3/8"  | 0.136"     | 6"     | Long         |
| FF303   | Replacement 0.136" Pilot Fishtail Drill Bit (HSS) |            |        |              |
| FF304   | Replacement Set Screw - Uses 5/64" Hex Key        |            |        |              |

Standard Type fits Unique, Norfield, Evans, Ritter, and Marcon face frame boring machines.

Long Version is for use on drill press.

## WHITESIDE HINGE BORING BIT

Carbide Tipped

This Hinge Boring bit features a centering point and two carbide spurs to eliminate tear-out. This 35mm cutting diameter bit is designed specifically for European style cabinet door hinges. Manufactured by Whiteside Machine Company.



PART #6140

| Part # | Shank Dia. | Cutting Dia. | Overall Length |
|--------|------------|--------------|----------------|
| 6140   | 3/8"       | 35mm         | 2-3/8"         |

\*\* Use only in drill press or boring machine. NOT for use in routers.

## HINGE BORING BITS

Carbide Tipped

10 mm Shank with Flat- Import

| Part #<br>57mm OAL | Part #<br>70mm OAL | Shank Dia. | Cutting Dia. |
|--------------------|--------------------|------------|--------------|
| DH15-57 (LH)       | DH15-70 (LH)       | 10mm       | 15mm         |
| DH20-57 (LH)       | DH20-70 (LH)       | 10mm       | 20mm         |
| DH25-57 (LH)       | DH25-70 (LH)       | 10mm       | 25mm         |
| DH30-57 (LH)       | DH30-70 (LH)       | 10mm       | 30mm         |
| DH35-57 (LH)       | DH35-70 (LH)       | 10mm       | 35mm         |

RH and LH rotation. Include LH suffix for left hand rotation. Supplied with flat on shank.

## DOWEL DRILLS

Carbide Tipped & Solid Carbide

10 mm Shank - Import



PART #DB7-70

### BRAD POINT (RH + LH)

| Cutting Dia.        | Shank Dia. | Part #<br>57mm OAL | Part #<br>70mm OAL |
|---------------------|------------|--------------------|--------------------|
| <b>INCH SIZES</b>   |            |                    |                    |
| 3/16"               | 10mm       | DB187-57 (LH)      | DB187-70 (LH)      |
| 7/32"               | 10mm       | DB218-57 (LH)      | DB218-70 (LH)      |
| 1/4"                | 10mm       | DB250-57 (LH)      | DB250-70 (LH)      |
| 3/8"                | 10mm       |                    | DB375-70 (LH)      |
| 7/16"               | 10mm       |                    | DB437-70 (LH)      |
| 1/2"                | 10mm       |                    | DB500-70 (LH)      |
| <b>METRIC SIZES</b> |            |                    |                    |
| <sup>SC</sup> 3mm   | 10mm       | DB3-57 (LH) (SC)   | DB3-70 (LH) (SC)   |
| 4mm                 | 10mm       | DB4-57 (LH) (SC)   | DB4-70 (LH) (SC)   |
| 5mm                 | 10mm       | DB5-57 (LH) (SC)   | DB5-70 (LH) (SC)   |
| 6mm                 | 10mm       | DB6-57 (LH) (SC)   | DB6-70 (LH) (SC)   |
| 7mm                 | 10mm       | DB7-57 (LH)        | DB7-70 (LH)        |
| 8mm                 | 10mm       | DB8-57 (LH) (SC)   | DB8-70 (LH) (SC)   |
| 9mm                 | 10mm       | DB9-57 (LH)        | DB9-70 (LH)        |
| 10mm                | 10mm       | DB10-57 (LH)       | DB10-70 (LH)       |
| 11mm                | 10mm       | DB11-57 (LH)       | DB11-70 (LH)       |
| 12mm                | 10mm       | DB12-57 (LH)       | DB12-70 (LH)       |
| 13mm                | 10mm       | DB13-57 (LH)       | DB13-70 (LH)       |
| 14mm                | 10mm       | DB14-57 (LH)       | DB14-70 (LH)       |
| 15mm                | 10mm       | DB15-57 (LH)       | DB15-70 (LH)       |
| 16mm                | 10mm       | DB16-57 (LH)       | DB16-70 (LH)       |

RH and LH rotation. Include LH suffix for left hand rotation. Supplied with flat on shank. Include SC suffix for optional Solid Carbide as available. <sup>SC</sup> 3 mm available in Solid Carbide only.

### THRU HOLE V-POINT (RH + LH)

10 mm Shank-Import



PART #DB6-57LH

| Cutting Dia.        | Shank Dia. | Part #<br>57mm OAL | Part #<br>70mm OAL |
|---------------------|------------|--------------------|--------------------|
| <b>INCH SIZES</b>   |            |                    |                    |
| 3/16"               | 10mm       |                    | DT187-70 (LH)      |
| 7/32"               | 10mm       |                    | DT218-70 (LH)      |
| 1/4"                | 10mm       | DT250-57 (LH)      | DT250-70 (LH)      |
| 3/8"                | 10mm       |                    | DT375-70 (LH)      |
| 7/16"               | 10mm       |                    | DT437-70 (LH)      |
| 1/2"                | 10mm       |                    | DT500-70 (LH)      |
| <b>METRIC SIZES</b> |            |                    |                    |
| <sup>SC</sup> 3mm   | 10mm       | DT3-57 (LH) (SC)   | DT3-70 (LH) (SC)   |
| 4mm                 | 10mm       | DT4-57 (LH) (SC)   | DT4-70 (LH) (SC)   |
| 5mm                 | 10mm       | DT5-57 (LH) (SC)   | DT5-70 (LH) (SC)   |
| 6mm                 | 10mm       | DT6-57 (LH) (SC)   | DT6-70 (LH) (SC)   |
| 7mm                 | 10mm       | DT7-57 (LH)        | DT7-70 (LH)        |
| 8mm                 | 10mm       | DT8-57 (LH) (SC)   | DT8-70 (LH) (SC)   |
| 9mm                 | 10mm       | DT9-57 (LH)        | DT9-70 (LH)        |
| 10mm                | 10mm       | DT10-57 (LH)       | DT10-70 (LH)       |
| 11mm                | 10mm       | DT11-57 (LH)       | DT11-70 (LH)       |
| 12mm                | 10mm       | DT12-57 (LH)       | DT12-70 (LH)       |
| 13mm                | 10mm       | DT13-57 (LH)       | DT13-70 (LH)       |
| 14mm                | 10mm       | DT14-57 (LH)       |                    |
| 15mm                | 10mm       |                    | DT15-70 (LH)       |

RH and LH rotation. Include LH suffix for left hand rotation. Supplied with flat on shank. Include SC suffix for optional Solid Carbide as available. <sup>SC</sup> 3 mm available in Solid Carbide only.

### Four Flute Adjustable COUNTERSINKS

Whiteside's 82° Countersink Heads are designed to slip over the drill bit and affix with dual set screws into the flutes. Adjust the drilling length by sliding the head up or down the bit. Use to countersink holes in wood, plastic, or aluminum for flat head screws. Upgrade to the High Speed Steel series for longer life, especially in fiberglass or other abrasive materials. Matching drill bits are offered below for your convenience.

#### Standard Carbon Steel

**OR**

#### Premium High Speed Steel



PART #8060014



PART #8070014

| CS Part # | HSS Part # | Screw Size | Drill Size | C'Sink Dia. | Large Dia. |
|-----------|------------|------------|------------|-------------|------------|
| 8060004   | 8070004    | #4         | 7/64"      | 3/8"        | 1/2"       |
| 8060005   | 8070005    | #5         | 1/8"       | 3/8"        | 1/2"       |
| 8060006   | 8070006    | #6         | 9/64"      | 3/8"        | 1/2"       |
| 8060007   | 8070007    | #7         | 5/32"      | 3/8"        | 1/2"       |
| 8060008   | 8070008    | #8         | 11/64"     | 3/8"        | 1/2"       |
| 8060009   | 8070009    | #9         | 3/16"      | 3/8"        | 1/2"       |
| 8060010   | 8070010    | #10        | 13/64"     | 1/2"        | 5/8"       |
| 8060012   | 8070012    | #12        | 7/32"      | 1/2"        | 5/8"       |
| 8060014   | 8070014    | #14        | 1/4"       | 1/2"        | 5/8"       |

#### Countersink Set



#### SET 8067774

WITH MATCHING TAPER DRILL BITS

Includes:

- 8060006 (#6 Screw)
- 8060008 (#8 Screw)
- 8060010 (#10 Screw)
- 8060014 (#14 Screw)

### DRILLS For Countersinks

These drill bits are the appropriate size for the Whiteside Adjustable Countersinks. Choose standard Jobber Drills for best economy. The optional Taper Point Drills are ideal for better control on entry and exit. The Taper Point resists the rapid pull-in tendency of gelcoat and other hard, thin materials. They also break through less abruptly, which helps reduce blowout on exit.

#### Jobber Drills

| Part #  | Dia.   | Decimal | Screw Size |
|---------|--------|---------|------------|
| 8061094 | 7/64"  | 0.1094" | #4         |
| 8061255 | 1/8"   | 0.1250" | #5         |
| 8061416 | 9/64"  | 0.1406" | #6         |
| 8061567 | 5/32"  | 0.1562" | #7         |
| 8061728 | 11/64" | 0.1719" | #8         |
| 8061879 | 3/16"  | 0.1875" | #9         |
| 8062010 | 13/64" | 0.2031" | #10        |
| 8062212 | 7/32"  | 0.2188" | #12        |
| 8062514 | 1/4"   | 0.2500" | #14        |



#### Taper Point Drills

| Part #  | Dia.   | Decimal | Screw Size |
|---------|--------|---------|------------|
| 8071416 | 9/64"  | 0.1406" | #6         |
| 8071728 | 11/64" | 0.1719" | #8         |
| 8072010 | 13/64" | 0.2031" | #10        |
| 8072514 | 1/4"   | 0.2500" | #14        |



### Self-Centering VIX BITS

Accurately center and drill holes for hinges, striker plates, door butts, window pulls, and other hardware requiring screws. Drills equally well in metals, plastics, wood, and other materials.

#### VIX Bits

| Part #            | Size   | Description                 |
|-------------------|--------|-----------------------------|
| <b>1/4" SHANK</b> |        |                             |
| 8110003           | 5/64"  | #3 & #4 Wood Screw          |
| 8110005           | 7/64"  | #5 & #6 Wood Screw          |
| 8110008           | 9/64"  | #8, #9 & #10 Wood Screw     |
| <b>3/8" SHANK</b> |        |                             |
| 8110012           | 11/64" | #12 Wood Screw              |
| 8110014           | 13/64" | #14 Wood Screw              |
| 8110051           | 5 mm   | 5 mm Shelf Pin - 3/8" Pilot |
| 8110025           | 1/4"   | 1/4" Shelf Pin - 3/8" Pilot |



#### Replacement Drill Bits

| Part #  | Size   | Description     |
|---------|--------|-----------------|
| 8110783 | 5/64"  | Replacement Bit |
| 8111095 | 7/64"  | Replacement Bit |
| 8111418 | 9/64"  | Replacement Bit |
| 8111712 | 11/64" | Replacement Bit |
| 8112014 | 13/64" | Replacement Bit |
| 8115051 | 5 mm   | Replacement Bit |
| 8112525 | 1/4"   | Replacement Bit |



## 3-WING WOOD DRILLS

### 6" OAL / Carbide Tipped / 1/2" Shank

Bores clean accurate holes in wood, plastic laminates, Formica®, and Masonite®. Carbide tipped for long life even in abrasive materials. The outside spurs outline the hole and help prevent fraying, chipping, and blowout. The replaceable 1/8" diameter high speed steel center point starts the hole and prevents the bit from walking. Replace the center point with a 1/8" drill bit if desired. Can be re-sharpened or re-tipped.



PART # 8121125

| Part #  | Size   | Shank Dia. | Overall Length |
|---------|--------|------------|----------------|
| 8120687 | 11/16" | 1/2"       | 6"             |
| 8120750 | 3/4"   | 1/2"       | 6"             |
| 8120812 | 13/16" | 1/2"       | 6"             |
| 8120875 | 7/8"   | 1/2"       | 6"             |
| 8121000 | 1"     | 1/2"       | 6"             |
| 8121125 | 1-1/8" | 1/2"       | 6"             |
| 8121250 | 1-1/4" | 1/2"       | 6"             |
| 8121375 | 1-3/8" | 1/2"       | 6"             |

| Part #  | Size   | Shank Dia. | Overall Length |
|---------|--------|------------|----------------|
| 8121500 | 1-1/2" | 1/2"       | 6"             |
| 8121625 | 1-5/8" | 1/2"       | 6"             |
| 8121750 | 1-3/4" | 1/2"       | 6"             |
| 8121875 | 1-7/8" | 1/2"       | 6"             |
| 8122000 | 2"     | * 1/2"     | 6"             |
| 8122125 | 2-1/8" | * 1/2"     | 6"             |
| 8122250 | 2-1/4" | * 1/2"     | 6"             |
| 8122500 | 2-1/2" | * 1/2"     | 6"             |

\* Sizes 2" and larger have 1/2" shank with a 3/4" diameter reinforced step. (See Photo at Right)



PART # 8122000

### Notes:

- Replaceable Center Point is Part # 8070125
- Optional 1/8" Machine Drill Center Point is Part # 8061240

## 3-WING COMPOSITE DRILLS

### 3-7/8" OAL / Carbide Tipped / Quick Change Shank

These 3-Wing Carbide Tipped Drills are designed for extended life in fiberglass and other composites. The 7/16" hex shank provides a no-slip grip when used with a standard three jaw chuck. This shank design also makes switching to a different size so simple when used with our Quick Change Chucks. Accurate centering is ensured by the replaceable 1/8" high speed steel center point. Bits perform equally well in handheld electric or pneumatic drills as well as boring machines and drill presses. Can be re-sharpened or re-tipped.

| Part #  | Size    | Recommended Rev/Min | Overall Length |
|---------|---------|---------------------|----------------|
| 8030500 | 1/2"    | 2500-3000           | 3-7/8"         |
| 8030562 | 9/16"   | 2500-3000           | 3-7/8"         |
| 8030625 | 5/8"    | 2500-3000           | 3-7/8"         |
| 8030687 | 11/16"  | 2500-3000           | 3-7/8"         |
| 8030750 | 3/4"    | 2500-3000           | 3-7/8"         |
| 8030812 | 13/16"  | 2200-2800           | 3-7/8"         |
| 8030875 | 7/8"    | 2200-2800           | 3-7/8"         |
| 8030937 | 15/16"  | 2200-2800           | 3-7/8"         |
| 8031000 | 1"      | 2200-2800           | 3-7/8"         |
| 8031062 | 1-1/16" | 2000-2500           | 3-7/8"         |
| 8031125 | 1-1/8"  | 2000-2500           | 3-7/8"         |
| 8031250 | 1-1/4"  | 2000-2500           | 3-7/8"         |

| Part #  | Size    | Recommended Rev/Min | Overall Length |
|---------|---------|---------------------|----------------|
| 8031312 | 1-5/16" | 2000-2500           | 3-7/8"         |
| 8031375 | 1-3/8"  | 2000-2500           | 3-7/8"         |
| 8031437 | 1-7/16" | 2000-2500           | 3-7/8"         |
| 8031500 | 1-1/2"  | 2000-2500           | 3-7/8"         |
| 8031625 | 1-5/8"  | 2000-2500           | 3-7/8"         |
| 8031750 | 1-3/4"  | 2000-2500           | 3-7/8"         |
| 8031875 | 1-7/8"  | 2000-2500           | 3-7/8"         |
| 8032000 | 2"      | 1800-2300           | 3-7/8"         |
| 8032125 | 2-1/8"  | 1500-2000           | 3-7/8"         |
| 8032250 | 2-1/4"  | 1500-2000           | 3-7/8"         |
| 8032500 | 2-1/2"  | 1500-2000           | 3-7/8"         |



PART # 8031250



### Notes:

- Replaceable Center Point is Part# 8070125
- Optional 1/8" Machine Drill Center Point is Part # 8061240



## COMPOSITE DRILLS - With Pilot Drill

### 3-7/8" OAL / Carbide Tipped / Quick Change Shank

These drills have all the attributes of the 803 series but with a larger 1/4" diameter center hole as requested by several industrial users. This bit is supplied with a 1/4" Taper Point Drill bit that allows better control when trying to make a gentle entry. These bits can also be used with the 1/4" Pilot Rod (supplied) in applications that follow a 1/4" pre-drilled guide hole. This series has proven to be very effective in soft, gummy materials such as King Starboard®. Can be re-sharpened or re-tipped.



| Part #  | Size    | Recommended Rev/Min | Overall Length |
|---------|---------|---------------------|----------------|
| 8090750 | 3/4"    | 2500-3000           | 3-7/8"         |
| 8090937 | 15/16"  | 2200-2800           | 3-7/8"         |
| 8091000 | 1"      | 2200-2800           | 3-7/8"         |
| 8091062 | 1-1/16" | 2200-2800           | 3-7/8"         |
| 8091125 | 1-1/8"  | 2000-2500           | 3-7/8"         |
| 8091187 | 1-3/16" | 2000-2500           | 3-7/8"         |
| 8091250 | 1-1/4"  | 2000-2500           | 3-7/8"         |
| 8091312 | 1-5/16" | 2000-2500           | 3-7/8"         |
| 8091375 | 1-3/8"  | 2000-2500           | 3-7/8"         |
| 8091500 | 1-1/2"  | 2000-2500           | 3-7/8"         |
| 8091750 | 1-3/4"  | 2000-2500           | 3-7/8"         |
| 8092125 | 2-1/8"  | 2000-2500           | 3-7/8"         |
| 8092250 | 2-1/4"  | 2000-2500           | 3-7/8"         |



### Note:

- Each 809 Series Drill is supplied with a 1/4" Tapered Point Drill bit, a 1/4" Pilot Rod, and a 3/32" Hex Key Wrench

## QUICK CHANGE TOOLING

Whiteside's Quick Change Tooling was designed for the production environment to allow a quick and easy switch from one tool size to the next. The 7/16" hex design is larger and stronger than most. This design allows the use of larger drill bits and hole saws with our Quick Change Chucks. (Our hex shank tooling will also work great in standard three jaw chucks). The Chucks are provided with a 1/2" hex shank for most applications or with a 3/8" hex shank for use in drills with only a 3/8" capacity. This system really makes changing tools a snap.



## Quick Change Chucks

| Part #  | Shank Dia. | Adapter Size | Overall Length |
|---------|------------|--------------|----------------|
| 8020375 | 3/8" Hex   | 7/16" Hex    | 2-3/4"         |
| 8020500 | 1/2" Hex   | 7/16" Hex    | 2-3/4"         |

## SPARE PARTS

| Part #  | Description                 | Application                              |
|---------|-----------------------------|--|
| 8070125 | Replacement 1/8" Center Pin | Series 803 & 812 3-Wing Drills           |
| 8061240 | Optional 1/8" Machine Drill | Series 803 & 812 3-Wing Drills           |
| 8070250 | 1/4" Taper Point Drill      | Series 809 3-Wing Drills & 800 Hole Saws |
| 8070000 | 1/4" x 3-3/8" Pilot Rod     | Series 809 3-Wing Drills & 800 Hole Saws |
| 8060256 | 1/4" x 6" Drill Bit         | Series 808 Deep-Cor Hole Saws            |
| HK-3/32 | 3/32" Hex Key Wrench        | Series 803, 809, & 812 3-Wing Drills     |
| HK-1/8  | 1/8" Hex Key Wrench         | All Hole Saws / Quick Change Shanks      |
| 10322SS | #10-32 Set Screw (10 pcs)   | Series 803, 809, & 812 3-Wing Drills     |
| 25284SS | 1/4"-28 Set Screw (10 pcs)  | All Hole Saws / Quick Change Shanks      |





## SELF CLEAN™ HOLE SAW - Carbide Tipped

U.S. Patent # 7,189,036

The Self Clean™ Hole Saw brings about a new generation of hole saws. Marine manufacturers were consulted in their development. The tool saws faster than conventional hole saws plus saves additional time because the plug falls out of the tool when the cut is finished. Made from high grade steel, carbide tipped, and produced specifically for cutting fiberglass. The quick change system further increases productivity when moving from one hole size to another. Can be re-sharpened or re-tipped.

Cut Depth 1"

| Part #   | Size     | Recommended Rev/Min | Part #   | Size     | Recommended Rev/Min |
|----------|----------|---------------------|----------|----------|---------------------|
| 8001000K | 1"       | 1800-2300           | 8003437K | 3-7/16"  | 1200-1800           |
| 8001062K | 1-1/16"  | 1800-2300           | 8003500K | 3-1/2"   | 1200-1800           |
| 8001125K | 1-1/8"   | 1800-2300           | 8003625K | 3-5/8"   | 1200-1800           |
| 8001187K | 1-3/16"  | 1800-2300           | 8003687K | 3-11/16" | 800-1200            |
| 8001250K | 1-1/4"   | 1800-2300           | 8003750K | 3-3/4"   | 800-1200            |
| 8001312K | 1-5/16"  | 1800-2300           | 8003875K | 3-7/8"   | 800-1200            |
| 8001375K | 1-3/8"   | 1800-2300           | 8004000K | 4"       | 500-1200            |
| 8001437K | 1-7/16"  | 1800-2300           | 8004125K | 4-1/8"   | 500-1200            |
| 8001500K | 1-1/2"   | 1800-2300           | 8004250K | 4-1/4"   | 500-1200            |
| 8001625K | 1-5/8"   | 1800-2300           | 8004312K | 4-5/16"  | 500-1200            |
| 8001687K | 1-11/16" | 1800-2300           | 8004375K | 4-3/8"   | 500-1200            |
| 8001750K | 1-3/4"   | 1800-2300           | 8004500K | 4-1/2"   | 500-1200            |
| 8001875K | 1-7/8"   | 1800-2300           | 8004625K | 4-5/8"   | 500-1200            |
| 8001937K | 1-15/16" | 1800-2300           | 8004750K | 4-3/4"   | 500-1200            |
| 8002000K | 2"       | 1800-2300           | 8005000K | 5"       | 500-1200            |
| 8002062K | 2-1/16"  | 1800-2300           | 8005250K | 5-1/4"   | 500-1200            |
| 8002125K | 2-1/8"   | 1800-2300           | 8005312K | 5-5/16"  | 500-1200            |
| 8002187K | 2-3/16"  | 1800-2300           | 8005500K | 5-1/2"   | 500-1200            |
| 8002250K | 2-1/4"   | 1800-2300           | 8005625K | 5-5/8"   | 500-1200            |
| 8002312K | 2-5/16"  | 1800-2300           | 8005750K | 5-3/4"   | 500-1200            |
| 8002375K | 2-3/8"   | 1800-2300           | 8006000K | 6"       | 500-1200            |
| 8002500K | 2-1/2"   | 1800-2300           | 8006250K | 6-1/4"   | 500-1200            |
| 8002625K | 2-5/8"   | 1800-2300           | 8006375K | 6-3/8"   | 500-1200            |
| 8002750K | 2-3/4"   | 1800-2300           | 8006500K | 6-1/2"   | 500-1200            |
| 8002875K | 2-7/8"   | 1800-2300           | 8006625K | 6-5/8"   | 500-1200            |
| 8003000K | 3"       | 1500-2000           | 8006875K | 6-7/8"   | 500-1200            |
| 8003125K | 3-1/8"   | 1500-2000           | 8007250K | 7-1/4"   | 500-1200            |
| 8003250K | 3-1/4"   | 1500-2000           | 8008500K | 8-1/2"   | 500-1200            |
| 8003375K | 3-3/8"   | 1500-2000           | 8008625K | 8-5/8"   | 500-1200            |



### #800K Kit Includes

- 2" Quick Change Shank - #800/QCS
- 1/4" Pilot Rod - #8070000
- 1/4" Tapered Point Drill - #8070250
- 1/8" Allen Wrench - #HK-1/8



### Notes:

- Hole Saws are typically sold as a kit.
- To order a Hole Saw without the kit, remove the "K" suffix from the Part #.
- Additional Sizes are available by custom order.





## DEEP-COR™ HOLE SAW - Carbide Tipped

Deep-Cor™ Hole Saws feature a 3" depth of cut (over twice the depth of standard hole saws). The Deep-Cor™ is the ideal tool to use when drilling through thick materials such as transoms for "thru-hull" exhaust holes or bulkheads. These saws also boast a "trim tooth" that trims the plug generated by the saws and allows for easy extraction. They feature long lasting carbide tips and premium steel bodies. Unlike traditional hole saws, Deep-Cor™ is constructed with a fluted body and a slotted wall which allows the saw to expel chips more efficiently than standard saws. The long plug generated by boring completely through the transom will typically fall out without assistance, saving boat builders time and money. Can be re-sharpened or re-tipped.

### Notes:

- Hole Saws are typically sold as a kit.
- To order a Hole Saw without the kit, remove the "K" suffix from the Part #.
- Additional Sizes are available by custom order.

| Part #   | Size    | Recommended Rev/Min | Cut Depth |
|----------|---------|---------------------|-----------|
| 8081187K | 1-3/16" | 1800-2300           | 3"        |
| 8081500K | 1-1/2"  | 1800-2300           | 3"        |
| 8081625K | 1-5/8"  | 1800-2300           | 3"        |
| 8081750K | 1-3/4"  | 1800-2300           | 3"        |
| 8081875K | 1-7/8"  | 1800-2300           | 3"        |
| 8082125K | 2-1/8"  | 1800-2300           | 3"        |
| 8082312K | 2-5/16" | 1800-2300           | 3"        |
| 8082375K | 2-3/8"  | 1800-2300           | 3"        |
| 8083000K | 3"      | 1500-2000           | 3"        |
| 8083250K | 3-1/4"  | 1500-2000           | 3"        |
| 8083500K | 3-1/2"  | 1500-2000           | 3"        |
| 8084000K | 4"      | 500-1200            | 3"        |
| 8084625K | 4-5/8"  | 500-1200            | 3"        |
| 8084750K | 4-3/4"  | 500-1200            | 3"        |



### #808K Kit Includes

- 2" Quick Change Shank - #800/QCS
- 1/4" X 6" OAL Drill Bit - #8060256
- 1/8" Allen Wrench - #HK-1/8



## QUICK CHANGE SHANK

Quick Change Shanks can be used with the Self Clean™ (800 Series) or the Deep-Cor™ Hole Saws (808 Series). The standard 2" length is supplied with each kit. Longer lengths are available for extra reach. These shanks are compatible with the Quick Change Chucks on page 45.

| Part #    | Shank     | Shank Length |
|-----------|-----------|--------------|
| 800/QCS   | 7/16" Hex | 2"           |
| 800-3/QCS | 7/16" Hex | 3"           |
| 800-4/QCS | 7/16" Hex | 4"           |
| 800-6/QCS | 7/16" Hex | 6"           |



### TRANSOM DRILL - 8" OAL / Quick Change Shank

In conjunction with the marine industry, the Transom Drill was developed to eliminate the problems associated with drilling through fiberglass and wood. Due to the special parabolic flute design, chip packing problems are eliminated and make short work of drilling through thick transoms. Micro-grain carbide tips and premium steel bodies ensure maximum performance and durability. This bit is ideal to drill mounting holes for outdrive gimbals brackets, outboard engine brackets, and drain holes. Can be re-sharpened or re-tipped.

| Part #  | Dia.   | Twist Length | Overall Length | Recommended Rev/Min |
|---------|--------|--------------|----------------|---------------------|
| 8040437 | 7/16"  | 6"           | 8"             | 2000-3000           |
| 8040500 | 1/2"   | 6"           | 8"             | 2000-3000           |
| 8040531 | 17/32" | 6"           | 8"             | 2000-3000           |
| 8040562 | 9/16"  | 6"           | 8"             | 2000-3000           |
| 8040687 | 11/16" | 6"           | 8"             | 2000-3000           |
| 8040750 | 3/4"   | 6"           | 8"             | 2000-3000           |
| 8040937 | 15/16" | 6"           | 8"             | 2000-3000           |
| 8041000 | 1"     | 6"           | 8"             | 2000-3000           |



PART #8040437



PART #8040562

### TRANSOM DRILL - 5" OAL / Quick Change Shank

A shorter, more compact version of the 8" Transom Drill. The carbide tipped vee point offers the toughest and most durable drill point. The flute design facilitates easy chip evacuation. This drill will go through thick composites in half the time and last up to 20 times longer than high speed jobber drills. Can be re-sharpened or re-tipped.

| Part #  | Dia.  | Twist Length | Overall Length | Recommended Rev/Min |
|---------|-------|--------------|----------------|---------------------|
| 8050375 | 3/8"  | 3-3/4"       | 5"             | 2000-3000           |
| 8050500 | 1/2"  | 3-3/4"       | 5"             | 2000-3000           |
| 8050562 | 9/16" | 3-3/4"       | 5"             | 2000-3000           |
| 8050750 | 3/4"  | 3-3/4"       | 5"             | 2000-3000           |
| 8051000 | 1"    | 3-3/4"       | 5"             | 2000-3000           |



PART #8050562



PART #8051000

### BRAD POINT TRANSOM DRILL - 5" OAL / Quick Change Shank

These self-centering Transom Drills have several design attributes that save time and money. Designed to make clean, accurate cuts in gelcoat with minimal chipping & "blowout". Features a "climbing flute" for easy chip evacuation (self-cleaning, no pecking). The center point produces no "walking" during entry. Can be re-sharpened or re-tipped.

| Part #  | Dia.  | Twist Length | Overall Length | Recommended Rev/Min |
|---------|-------|--------------|----------------|---------------------|
| 8100312 | 5/16" | 3-3/4"       | 5"             | 2000-3000           |
| 8100375 | 3/8"  | 3-3/4"       | 5"             | 2000-3000           |
| 8100500 | 1/2"  | 3-3/4"       | 5"             | 2000-3000           |



PART #8100375



PART #8100500



## For METAL CLAD DOORS

US Patent No. US D669,923 S

Traditional downcut spiral door bits on the market "BLOW OUT" material on the bottom side of the door after the bit dulls. Whiteside's Compression Door-Lite bit continues to perform after dulling because the material is "pulled" up instead of being pushed down. They are made of high grade Tool Steel and precision ground on state of the art CNC grinders.



## TEST RESULTS

Tests were conducted of the Whiteside Machine Up/Down Door-Lite Bit against traditional spiral door bits. Test cuts were performed on a CNC door cutting machine routing steel clad exterior doors. The traditional bit cut an average of 12,000 inches per bit, whereas the Whiteside Door-Lite bit cut an amazing 22,000 inches!

### Single Flute

| Part #  | Dia. | Cutting Length | Overall Length | Description   |
|---------|------|----------------|----------------|---------------|
| HC5250  | 1/2" | 2-1/2"         | 5-1/2"         | Round Shank   |
| HCF5250 | 1/2" | 2-1/2"         | 5-1/2"         | Flat on Shank |



PART #HC5250



PART #HCF5250

## For FIBERGLASS & WOOD DOORS

### Carbide Tipped Straight

| Part #  | Dia. | Cutting Length | Overall Length | Description   |
|---------|------|----------------|----------------|---------------|
| 1073-01 | 1/2" | 2-1/2"         | 5-1/2"         | Round Shank   |
| 1073-03 | 1/2" | 2-1/2"         | 5-1/2"         | Flat on Shank |



PART #1073-01

### Carbide Tipped Staggertooth



PART #1205

| Part # | Dia. | Cutting Length | Overall Length | Description |
|--------|------|----------------|----------------|-------------|
| 1205   | 1/2" | 2-5/8"         | 5-1/2"         | Round Shank |

### Solid Carbide Spiral

#### Up / Down Cut (2+2 Compression)

| Part # | Dia. | Cutting Length | Overall Length | Description |
|--------|------|----------------|----------------|-------------|
| UD5222 | 1/2" | 2-1/4"         | 5-1/2"         | Round Shank |



PART #UD5222

## SCREW TYPE HELIX MORTISE & ARBORS

With Downshear Cutters



PART #HMA-1/4



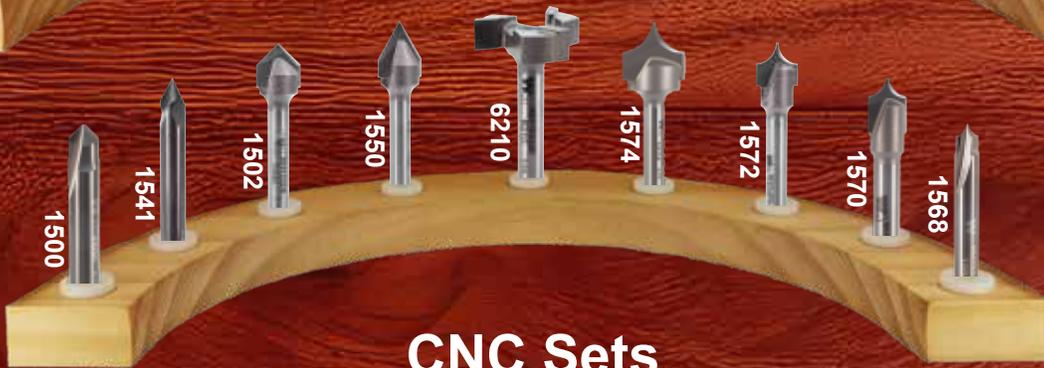
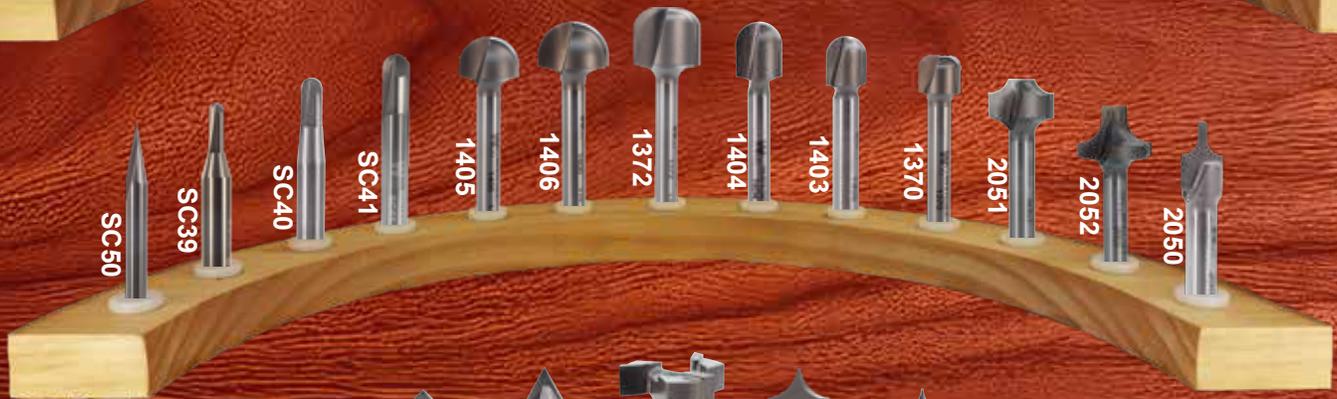
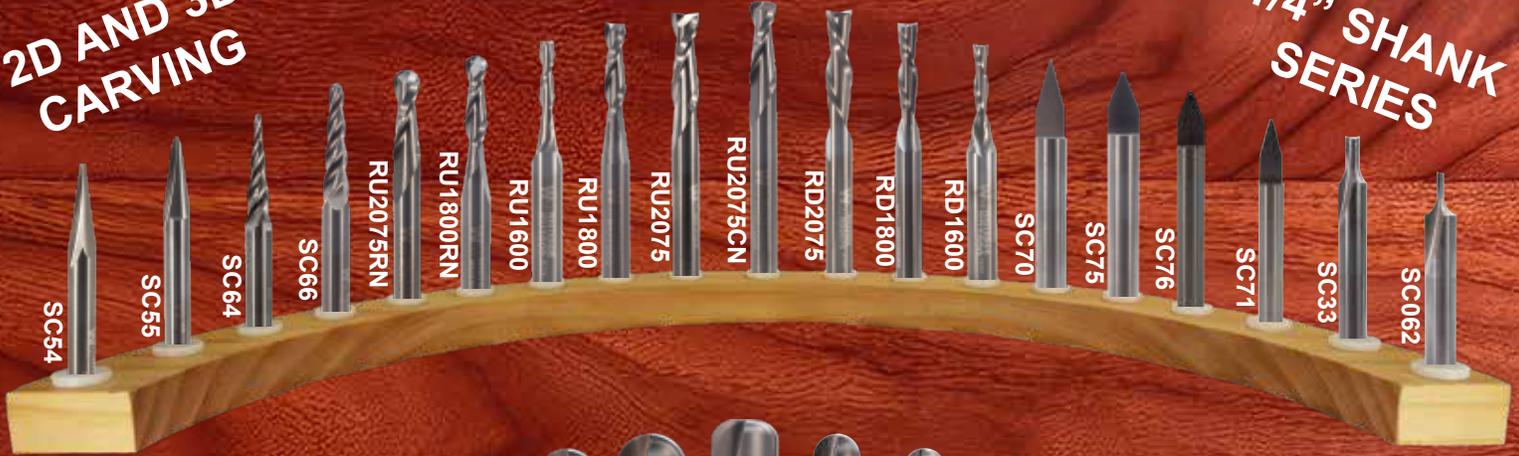
See our complete selection of Hinge Mortise Bits on Page 9.

# CNC ROUTER BITS

## BY WHITESIDE

2D AND 3D  
CARVING

1/4" SHANK  
SERIES



### CNC Sets

- #703- Ball Nose Set
- #705- Starter Set
- #706- Lettering Set
- #708- Engraving Set
- #709- Gen. Purpose
- #714- The Works



# WHITESIDE

[whitesiderouterbits.com](http://whitesiderouterbits.com)

FOR USE IN NATURAL WOODS, MDF, HARD PLASTICS, & THIN ALUMINUM