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ELEVATE YOUR CRAFTSMANSHIP WITH ASTRAPH COATED BITS!



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quality tools create value...

BETTER TOOLS SIMPLY LAST LONGER!

We provide QUALITY cutting tools to our customers...

Bits & Bits Company is one of the leaders in the manufacturing and supplying of wood CNC router bits, high performance end mills, engraving cutters and many other rotary cutting tools for industrial and medical applications.

Our small family business relies on over 30 years of dedicated employee experience and knowledge in these fields. Bits & Bits combines this experience with our state-of-the-art CNC grinding equipment and continuous quality improvement to provide our customers with superior products, and to give every customer fast service at the lowest possible cost.

This catalog introduces a variety of new tools for the CNC milling industry. Many of our tools have been developed due to the needs of our customers. We sell around the globe and many orders can be shipped the same day. Discounts are available for large volume orders. Contact our sales department for more information. Also, be sure to visit our website www.bitsbits.com for special offers.

order information

CONDITIONS:

Bits & Bits Company Inc. warrants its products to be free from defects in materials and workmanship. We will not be held liable for any injury, loss, or damage arising from the use of our products.

PRICING:

Due to the constant change in materials and labor, all prices subject to change without notice.

TERMS:

We accept Visa, MasterCard, American Express and PayPal. COD with company check or money order. Net 30 days for pre-approved customers. Terms can be established for those who setup an account.

SHIPPING:

We ship UPS, FedEx, or U.S. Mail. All orders F.O.B. Silverton, Oregon.

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>> Look **ONLINE** for the Surplus Specials page for great deals on engraving tools, milling tools and end mills.

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THE NEXT EVOLUTION IN COATING TECHNOLOGY

wood carving & cnc milling bits

CNC SIGN ENGRAVING BITS | COMPRESSION BITS | WOOD CARVING ROUTER BITS



425-375-VG30

V-GROOVE & SIGN ENGRAVING V-BITS

PART NUMBER	DESCRIPTION
425-CR30.005	Engraving Router V-Bit 30 Degree .005
425-CR30.010	Engraving Router V-Bit 30 Degree .010
425-375-VG30	1/4" Shank x 3/8" - 3 Flute 30 Degree V-Groove
425-375-VG45	1/4" Shank x 3/8" - 3 Flute 45 Degree V-Groove
425-375-VG60	1/4" Shank x 3/8" - 3 Flute 60 Degree V-Groove
425-375-VG90	1/4" Shank x 3/8" - 3 Flute 90 Degree V-Groove
SC50	Whiteside SC50 Carving Liner 22 Degree
SC54	Whiteside SC54 Carving Liner 15 Degree - 1/16" Tip
V-1500	Whiteside 1500 V-Groove 90 Degree - 1/4" Cut Diameter
V-1501	Whiteside 1501 V-Groove 90 Degree - 3/8" Cut Diameter
V-1502	Whiteside 1502 V-Groove 90 Degree 1/2" Cut Diameter
V-1541	Whiteside 1541 V-Groove 60 Degree 1/4" Cut Diameter
V-1550	Whiteside 1550 V-Groove 60 Degree 1/2" Cut Diameter
V-1506	Whiteside 1506 V Groove 90 Degree 1" Cut Diameter
V-1508	Whiteside 1508 V Groove 90 Degree 1-1/2" Cut Diameter

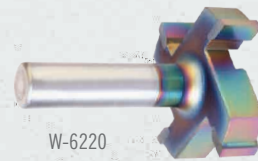


425-TB7-125

2D/3D CARVING ROUTER BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
430-TB7-062	1/16" Tapered 7 Degree Ball Nose
425-TB7-125	1/8" Tapered 7 Degree Ball Nose
425-TB12-032	1/32" Tapered 12 Degree Ball Nose
425-TB12-062	1/16" Tapered 12 Degree Ball Nose
425-TB12-125	1/8" Tapered 12 Degree Ball Nose

Bits & Bits Company manufactures CNC V-Groove Bits, Sign Engraving Bits, Wood Carving Router Bits and Compression Bits. These bits are used to cut decorative grooves on signs and panels or to chamfer the edges of your parts. We also offer various V-Groove engraving bits for engraving or milling on wood. These tools are coated with our proprietary high performance ASTRAHP coating which allows higher speed & feed rates as well as extended tool life & increased lubricity. We offer only the finest router bits. All of our router bits are made in the USA and carefully inspected for quality assurance. *We also are a proud distributor of Whiteside Router Bits. The WHITESIDE brand tools have been tested by FINE WOODWORKING Magazine and have been proven to out last all of the other brands.*



W-6220

SURFACING ROUTER BITS

W-6210	Surfacing Bit 1" Cut Width - 1/4" SH
W-6220	Surfacing Bit 2" Cut Width - 1/2" SH
SF525	Surfacing Bit with Replaceable Inserts, 2-1/2" Cut Width - 1/2" SH

CHIPBREAKER BITS feature unique notch profiles, creating a serrated cutting edge, these notches break down chips into small, manageable pieces during the machining process. This type of geometry can boost your efficiency by minimizing machine downtime to clear large chips from the workpiece, improve bit life by minimizing the cutting force on the bit during machining, and allow for more accelerated speeds and feeds.

As a chipbreaker bit rotates and its cutting edge impacts the workpiece, material is sheared off from a part, creating chips. When that cutting process is interrupted, as is the case with chipbreakers in the cutting portion of the bit, chips become smaller in length and are easier to evacuate. Because the chipbreaker notches are offset flute-to-flute, a proper, flat surface finish is achieved as each flute cleans up any excess material left behind from previously passed flutes.



CHIPBREAKER BITS

CHIPBREAKER BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
425-SRF250CB	1/4" UpCut Chipbreaker Spiral 2FL - 1" LOC
425-CM250CB	1/4" Compression Up/Down Chipbreaker Spiral 2FL - 1" LOC
3/8" SHANK	
330-SRF375CB	3/8" UpCut Chipbreaker Spiral 2FL - 1-1/4" LOC
330-DNC375CB	3/8" DownCut Chipbreaker Spiral 2FL - 1-1/4" LOC
330-CM375CB	3/8" Compression Up/Down Chipbreaker Spiral 2FL - 1-1/4" LOC
1/2" SHANK	
535-CM375CB	3/8" Compression Up/Down Chipbreaker Spiral 2FL - 1-1/4" LOC
535-CM500CB	1/2" Compression Up/Down Chipbreaker Spiral 2FL - 1-1/2" LOC
540-SRF500CB	1/2" UpCut Chipbreaker Spiral 2FL - 2" LOC
540-DNC500CB	1/2" DownCut Chipbreaker Spiral 2FL - 2" LOC



425-DNC250

SPIRAL 2 FLUTE DOWNCUT ROUTER BITS

PART NUMBER	DESCRIPTION
1/8" SHANK	
820-DNC032	1/32" DownCut Spiral 2FL - 1/8" LOC
820-DNC062	1/16" DownCut Spiral 2FL - 3/16" LOC
820-DNC062LR	1/16" DownCut Spiral 2FL - w/ 3/16" LOC & 3/4" LOR
820-DNC125	1/8" DownCut Spiral 2FL - 1" LOC
1/4" SHANK	
425-DNC062LR	1/16" DownCut Spiral 2FL - w/ 1/4" LOC & 1/2" LOR
425-DNC062	1/16" DownCut Spiral 2FL - 3/16" LOC
425-DNC125	1/8" DownCut Spiral 2FL - 5/8" LOC
425-DNC125LR	1/8" DownCut Spiral 2FL - 1" LOC
425-DNC250	1/4" DownCut Spiral 2FL - 1" LOC
425-DNC375	3/8" Cutting Diameter - DownCut Spiral 3FL - 1" LOC
3/8" SHANK	
330-DNC375	3/8" DownCut Spiral 2FL - 1-1/4" LOC
1/2" SHANK	
530-DNC500	1/2" DownCut Spiral 2FL - 1" LOC



425-CM250

SPIRAL 2 FLUTE COMPRESSION BITS

PART NUMBER	DESCRIPTION
1/8" SHANK	
820-CM125	1/8" Compression Up/Down Spiral 2FL - 5/8" LOC
1/4" SHANK	
425-CM125	1/8" Compression Up/Down Spiral 2FL - 5/8" LOC
425-CM125LR	1/8" Compression Up/Down Spiral 2FL - 1" LOC
425-CM250	1/4" Compression Up/Down Spiral 2FL - 1" LOC
3/8" SHANK	
330-CM375	3/8" Compression Up/Down Spiral 2FL - 1-1/4" LOC
1/2" SHANK	
535-DNC375	3/8" Compression DownCut Spiral 2FL - 1-1/4" LOC
535-CM375-SF	3/8" Short Flute Compression Up/Down Spiral 2FL - 1-1/4" LOC
530-CM500-SF	1/2" Short Flute Compression Up/Down Spiral 2FL - 1" LOC
540-CM500	1/2" Compression Up/Down Spiral 2FL - 2" LOC
560-CM500	1/2" x 6" Compression Up/Down Spiral 2FL - 3" LOC



425-SRB250

SPIRAL 2 FLUTE UPCUT BITS

PART NUMBER	DESCRIPTION
1/8" SHANK	
820-SRF032	1/32" UpCut Flat End Spiral 2FL - 3/32" LOC
820-SRB062LR	1/16" UpCut Spiral Ball Nose 2FL - 3/16" LOC & 3/4" LOR
820-SRB062	1/16" UpCut Spiral Ball Nose 2FL - 3/16" LOC
820-SRB125	1/8" UpCut Ball Nose Spiral 2FL - 1" LOC
820-SRF062LR	1/16" UpCut Spiral Flat End 2FL - 3/16" LOC & 3/4" LOR
820-SRF062	1/16" UpCut Spiral Flat End 2FL - 3/16" LOC
820-SRF125	1/8" UpCut Flat End Spiral 2FL - 1" LOC
1/4" SHANK	
425-SRB062	1/16" UpCut Ball Nose Spiral 2FL - 1/4" LOC
425-SRB062LR	1/16" UpCut Ball Nose Spiral 2FL - 1/4" LOC & 1/2" LOR
425-SRB125LR	1/8" UpCut Ball Nose Spiral 2FL - 1" LOC
425-SRB187	3/16" UpCut Ball Nose Spiral 2FL - 3/4" LOC
425-SRB250	1/4" UpCut Ball Nose Spiral 2FL - 1" LOC
425-SRF062	1/16" UpCut Flat End Spiral 2FL - 1/4" LOC
425-SRF062LR	1/16" UpCut Flat End Spiral 2FL - 1/4" LOC & 1/2" LOR
425-SRF125LR	1/8" UpCut Flat End Spiral 2FL - 1" LOC
425-SRF187	3/16" UpCut Flat End Spiral 2FL - 3/4" LOC
425-SRF250	1/4" UpCut Flat End Spiral 2FL - 1" LOC
425-SRF375	3/8" Cutting Diameter - UpCut Spiral 3FL - 1" LOC
1/4" SHANK - LONG FLUTE	
440-SRB250	1/4" x 4" UpCut Ball Nose Spiral 2FL - 2" LOC
440-SRF250	1/4" x 4" UpCut Flat End Spiral 2FL - 2" LOC
3/8" SHANK	
330-SRF375	3/8" UpCut Flat End Spiral 2FL - 1-1/4" LOC
330-SRB375	3/8" UpCut Ball Nose Spiral 2FL - 1-1/4" LOC
1/2" SHANK	
560-SRF500	1/2" x 6" UpCut Flat End Spiral 2FL - 3" LOC
560-SRB500	1/2" x 6" UpCut Ball Nose Spiral 2FL - 3" LOC
540-SRF500	1/2" UpCut Flat End Spiral 2FL - 2" LOC
535-SRF375	3/8" UpCut Flat End Spiral 2FL - 1-1/4" LOC



IS AN AUTHORIZED DEALER FOR

FESTOOL



JASON HIBBS, Bourbon Moth Woodworking Co.

Jason Hibbs resides in the great state of Oregon with his wife Cara and son Iver. He started Bourbon Moth Woodworking in 2014, creating high-end custom furniture for clients. As he was making these furniture pieces, he made how-to videos along the way. Over that last few years, Jason has transitioned from doing client work to a being full-time woodworking content creator. You can find his channel on YouTube at Bourbon Moth Woodworking.



spiral router bits



435-CM500FT

SPIRAL FLUSH TRIM ROUTER BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
430-SRF250FT	1/4" Spiral 2FL UpCut Flush Trim - 1" LOC
430-DNC250FT	1/4" Spiral 2FL DownCut Flush Trim - 1" LOC
430-CM250FT	1/4" Spiral 2FL Compression Flush Trim - 1" LOC
435-CM500FT	1/2" Spiral 2FL Compact Compression Flush Trim - 1" LOC
1/2" SHANK	
540-CM375FT	3/8" Spiral 2FL Compression Flush Trim - 1-1/2" LOC
540-SRF500FT	1/2" Spiral 2FL UpCut Flush Trim - 1-1/2" LOC
540-DNC500FT	1/2" Spiral 2FL DownCut Flush Trim - 1-1/2" LOC
540-CM500FT	1/2" Spiral 2FL Compression Flush Trim - 1-1/2" LOC
540-CM750FT	3/4" Spiral 2FL Compression Flush Trim - 1-1/2" LOC



540-CM500FT



425-PB550

SPIRAL PATTERN ROUTER BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
425-PB525	DownCut Pattern - 1/2" Diameter - 1/4" LOC x 1/4" SH
425-PB550	DownCut Pattern - 1/2" Diameter - 1/2" LOC x 1/4" SH
425-PB510	DownCut Pattern - 1/2" Diameter - 1" LOC x 1/4" SH
1/2" SHANK	
530-PB750	Compression Pattern - 3/4" Diameter x 1" LOC x 1/2" SH

SPIRAL BOWL & TRAY BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
425-BT375	UpCut Bowl & Tray - 3/8" Diameter - 1/8" Radius - 1/2" LOC
425-BT500	UpCut Bowl & Tray - 1/2" Diameter - 3/16" Radius - 1/2" LOC
425-BT510	UpCut Bowl & Tray - 1/2" Diameter - 3/16" Radius - 1" LOC

SPIRAL ROUND NOSE BITS

PART NUMBER	DESCRIPTION
1/4" SHANK	
425-SRB375	UpCut Round Nose - 3/8" Diameter - 1" LOC
425-SRB500	UpCut Round Nose - 1/2" Diameter - 1" LOC

Bits & Bits Company is an authorized dealer for Festool, a leading manufacturer of high-quality power tools and accessories. As an authorized dealer, we offer a wide selection of Festool products to customers, including routers, Domino Joiners, track saws, cordless tools, dust extractors, and accessories. With a commitment to quality and

customer service, we maintain a large stock of Festool products at our warehouse in Oregon to ensure that customers can find everything they need for their projects. Whether you're a professional contractor or a DIY enthusiast, Bits & Bits is a trusted source for Festool products, backed by expert advice and support.



>> SHOP our full line of Festool Tools & Accessories at Bits & Bits!

whiteside router bits



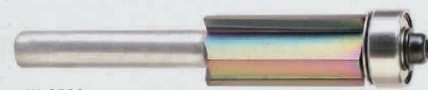
CNC SIGN ENGRAVING BITS | SPIRAL ROUTER BITS | WOOD CARVING ROUTER BITS



All of the Whiteside router bits that are listed on this catalog are coated with a proprietary coating we have named *AstraHP*. AstraHP Coating is a multi-layered surface coating applied to our cutting tools that effectively reduces the friction coefficient of the bit. This reduction in friction enables smoother and faster cutting while minimizing heat generated from friction.

During any type of cutting process, the cutting bit endures heat generated by the friction and abrasion of the bit moving through the material. This friction and abrasion are significant contributors to bit wear, leading to the dulling or degradation of the cutting edge, which in turn results in burning, a rough finish, and vibration.

It is inevitable that a cutting tool will eventually wear to a point where it requires sharpening. AstraHP Coated router bits can be sharpened in the same manner as standard carbide tools, ensuring they maintain a sharp cutting edge for extended usability.



W-2500

WHITESIDE FLUSH TRIM ROUTER BITS

W-2400	Flush Trim Bit 3/8" Cut Diam - 1" LOC - 1/4" SH
W-2401	Flush Trim Bit 3/8" Cut Diam - 1/2" LOC - 1/4" SH
W-2402	Flush Trim Bit 1/2" Cut Diam - 1" LOC - 1/4" SH
W-2403	Flush Trim Bit 1/2" Cut Diam - 1/2" LOC - 1/4" SH
W-2702	Combo Trim Bit 1/2" Cut Diam - 1/4" SH
W-2710	Combo Trim Bit 3/4" Cut Diam - 1/2" SH
W-2425	Flush Trim Bit with V-Groove 1/2" Cut Diam - 1/4" SH
W-2426	Flush Trim Bit with V-Groove 1/2" Cut Diam - 1/2" SH
W-2500	Flush Trim 3 Flute Bit 1/2" Cut Diam - 1/4" SH
W-2501	Flush Trim 3 Flute Bit 1/2" Cut Diam - 1/4" SH
W-2503	Flush Trim 3 Flute Bit 1/2" Cut Diam - 1/2" SH
W-2504	Flush Trim 3 Flute Bit 1/2" Cut Diam - 1/2" SH
W-2505	Flush Trim 3 Flute Bit 1/2" Cut Diam - 1/2" SH
W-2602	DownShear Flush Trim Bit 1/2" - 1/4" SH
W-2605	DownShear Flush Trim Bit 1/2" - 1/2" SH
W-UDC9112	Spiral Combination Bit 7/8" Cut Diam - 1-1/8"CL - 1/2" SH
W-UDP9112	Ultimate Plunge/Pattern Bit 7/8" Cut Diam - 1/2" SH

WHITESIDE DOVETAIL ROUTER BITS

W-D116	Leigh Dovetail 6pc Set - 8mm SH
WD14-375	Dovetail Bit 14 Deg x 3/8" Cut Diam - 1/4" SH
WD14-50	Dovetail Bit 14 Deg x 1/2" Cut Diam - 1/4" SH
WD14-55	Dovetail Bit 14 Deg x 1/2" Cut Diam - 1/2" SH
WD14-75	Dovetail Bit 14 Deg x 3/4" Cut Diam - 1/2" SH
WD8-375	Dovetail Bit 8 Deg x 3/8" Cut Diam - 1/4" SH
WD8-500	Dovetail Bit 8 Deg x 13/16" Cut Diam - 1/4" SH
WD8-812	Dovetail Bit 8 Deg x 13/16" Cut Diam - 1/2" SH
WD7-531	Dovetail Bit 7 Deg x 17/32" Cut Diam - 1/2" SH

WHITESIDE TEMPLATE/PATTERN ROUTER BITS

W-3000	Pattern Bit 1/2" Cut Diam - 1/4" LOC - 1/4" SH
W-3000A	Pattern Bit 1/2" Cut Diam - 1/8" LOC - 1/4" SH
W-3001	Pattern Bit 1/2" Cut Diam - 1/2" LOC - 1/4" SH
W-3002	Pattern Bit 1/2" Cut Diam - 3/4" LOC - 1/4" SH
W-3004	Pattern Bit 1/2" Cut Diam - 1" LOC - 1/4" SH
W-3006	Pattern Bit 5/8" Cut Diam - 1/4 LOC x 1/4" SH
W-3008	Pattern Bit 1/2" Cut Diam - 1" LOC x 1/4" SH
W-3010	Pattern Bit 3/4" Cut Diam - 1/4" LOC - 1/4" SH
W-3012	Pattern Bit 3/4" Cut Diam - 3/4" LOC - 1/4" SH
W-3018	Pattern Bit 1-1/8" Cut Diam - 1-1/2" LOC - 1/2" SH
W-3020	Pattern Bit 3/4" Cut Diam - 1" LOC - 1/2" SH
W-UDP9112	Ultimate Plunge/Pattern Bit 7/8" Cut Diam - 1/2" SH

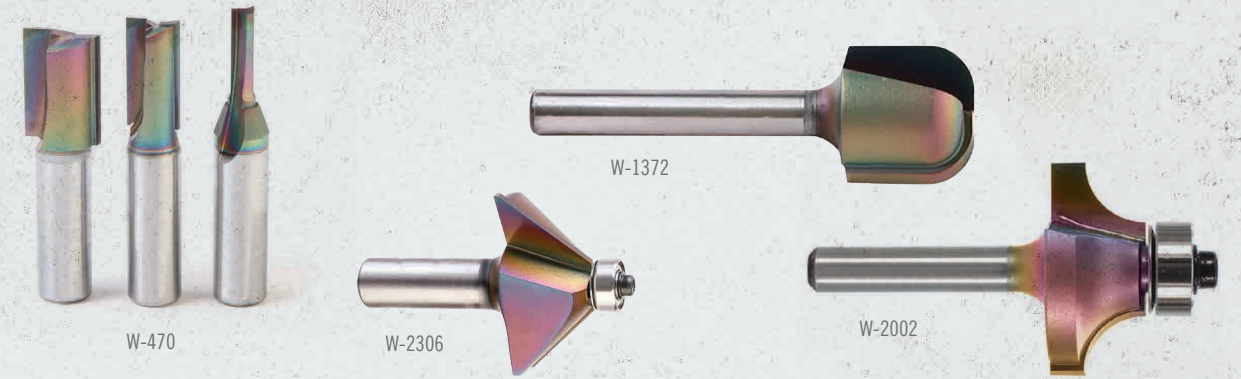
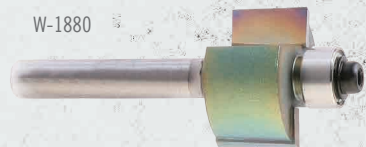
WHITESIDE RABBIT ROUTER BITS

W-1880	Rabbit Bit 7/8" Diam - 1/4" Depth of Rabbit - 1/4" SH
W-1885	Rabbit Bit 7/8" Diam - 1/4" Depth of Rabbit - 1/2" SH
W-1900	Rabbit Bit 1-1/4" Diam - 3/8" Depth of Rabbit - 1/4" SH
W-1901	Rabbit Bit 1-1/4" Diam - 3/8" Depth of Rabbit - 1/2" SH
W-1904	Rabbit/Slot Bit 1/8" LOC - 3/8" Depth of Rabbit - 1/4" SH
W-1912	Rabbit/Slot Bit 1/4" LOC - 3/8" Depth of Rabbit - 1/4" SH
W-1914	Rabbit/Slot Bit 1/4" LOC - 3/8" Depth of Rabbit - 1/2" SH
W-1952	Multi Rabbit Set - 1/4" SH
W-1955	Multi Rabbit Set - 1/2" SH
W-1951	Rabbit Bit 1-3/8" Diam - 1/2 " Depth of Rabbit - 1/4" SH
W-1954	Rabbit Bit 1-1/4" Diam - 3/8 " Depth of Rabbit - 1/2" SH
W-1940	Biscuit Joining Kit - 1/4" SH

WHITESIDE STILE & RAIL ROUTER BIT SETS

W-5990	Shaker Stile & Rail Set - 1/2" SH
W-6001	Round Stile & Rail Set - 1/2" SH
W-6002	Ogee Stile & Rail Set - 1/2" SH
W-6003	Bead Stile & Rail Set - 1/2" SH
W-6004	Straight Stile & Rail Set - 1/2" SH
W-6005	Traditional Stile & Rail Set - 1/2" SH
W-6006	Classical Stile & Rail Set - 1/2" SH
W-6009	Beveled Shaker Stile & Rail Set - 1/2" SH

W-1880



WHITESIDE CHAMFER/BEVEL ROUTER BITS

PART NUMBER	DESCRIPTION
W-2308	Chamfer Bit 30 Deg x 7/8" LOC - 1/4" SH
W-2292	Chamfer Bit 45 Deg x 7/16" LOC - 1/4" SH
W-2302	Chamfer Bit 45 Deg x 5/8" LOC - 1/4" SH
W-2305	Chamfer Bit 45 Deg x 5/8" LOC - 1/2" SH
W-2306	Chamfer Bit 45 Deg x 1-1/16" LOC - 1/2" SH
W-2310	Chamfer Bit 45 Deg x 1-1/2" LOC - 1/2" SH
W-2298	Edge Bevel Bit 7 Deg x 3/8" LOC - 1/4" SH
W-2300	Edge Bevel Bit 15 Deg x 1/2" LOC - 1/4" SH
W-2307	Edge Bevel Bit 22.5 Deg x 7/8" LOC - 1/2 SH

WHITESIDE STRAIGHT 2 FLUTE ROUTER BITS

W-1012	Straight Bit 1/4" Cut Diam x 1/2" LOC - 1/4" SH
W-1013	Straight Bit 1/4" Cut Diam x 3/4" LOC - 1/4" SH
W-1014	Straight Bit 1/4" Cut Diam x 1" LOC - 1/4" SH
W-1019	Straight Bit 5/16" Cut Diam x 1" LOC - 1/4" SH
W-1025	Straight Bit 1/2" Cut Diam x 3/4" LOC - 1/4" SH
W-1026	Straight Bit 1/2" Cut Diam x 1" LOC - 1/4" SH
W-1030	Straight Bit 3/4" Cut Diam x 3/4" LOC - 1/4" SH
W-1031	Straight Bit 3/4" Cut Diam x 1" LOC - 1/4" SH
W-1058	Straight Bit 1/4" Cut Diam x 3/4" LOC - 1/2" SH
W-1065	Straight Bit 7/16" Cut Diam x 1-1/4" LOC - 1/2" SH
W-1066	Straight Bit 1/2" Cut Diam x 1" LOC - 1/2" SH
W-1069	Straight Bit 1/2" Cut Diam x 1-1/2" LOC - 1/2" SH
W-1073	Straight Bit 1/2" Cut Diam x 2-1/2" LOC - 1/2" SH
W-1075	Straight Bit 9/16" Cut Diam x 1-1/4" LOC - 1/2" SH
W-1076	Straight Bit 5/8" Cut Diam x 1" LOC - 1/2" SH
W-1084	Straight Bit 3/4" Cut Diam x 1" LOC - 1/2" SH

WHITESIDE PLYWOOD ROUTER BITS

W-470	Undersize Plywood Dado Set - 1/2" SH
W-SC13	Dado Bit 7/32" Cut Diam x LOC 3/4" (1/4" Plywood) 1/4" SH
W-1024A	Dado Bit 31/64" Cut Diam x LOC 3/4" (1/2" Plywood) 1/4" SH
W-1027A	Dado Bit 19/32" Cut Diam x LOC 3/4" (5/8" Plywood) 1/4" SH
W-1029A	Dado Bit 23/32" Cut Diam x LOC 3/4" (3/4" Plywood) 1/4" SH
W-SC218	Dado Bit 7/32" Cut Diam x LOC 3/4" (1/4" Plywood) 1/2" SH
W-1065A	Dado Bit 31/64" Cut Diam x LOC 1" (1/2" Plywood) 1/2" SH
W-1075A	Dado Bit 19/32" Cut Diam x LOC 3/4" (5/8" Plywood) 1/2" SH
W-1083A	Dado Bit 23/32" Cut Diam x LOC 3/4" (3/4" Plywood) 1/2" SH

WHITESIDE COVE/BEAD/OVAL ROUTER BITS

W-1800	Cove Bit 1/4" Radius x LOC 1/2" - 1/4" SH
W-1801	Cove Bit 3/8" Radius x LOC 1/2" - 1/4" SH
W-1802	Cove Bit 1/2" Radius x LOC 5/8" - 1/4" SH
W-1805	Cove Bit 1/2" Radius x LOC 5/8" - 1/2" SH
W-2040B	Multi-Beading Set 1/4" Radius - 1/2" SH
W-3194	Full Bead Bit 1/4" Radius x LOC 5/8" - 1/4" SH
W-3240	Edge Bead Bit 1/8" Bead x LOC 9/16" - 1/4" SH
W-3244	Edge Bead Bit 1/4" Bead x LOC 9/16" - 1/4" SH
W-3248	Edge Bead Bit 5/16" Bead x LOC 5/8" - 1/4" SH
W-1478	Oval Edge Bit 1" Cut x 3/16" Bead Depth - 1/2" SH
W-1480	Oval Edge Bit 1-1/2" Cut x 1/4" Bead Depth - 1/2" SH

WHITESIDE BOWL & TRAY/ROUND NOSE ROUTER BITS

PART NUMBER	DESCRIPTION
W-1370	Bowl & Tray 1/8" Radius - 1/4" SH
W-1372	Bowl & Tray 1/4" Radius - 1/4" SH
W-1372B	Bowl & Tray with Bearing - 1/4" Radius - 1/4" SH
W-1374	Bowl & Tray - 1/4" Radius x 3/4" Cut Diam - 1/2" SH
W-1376	Bowl & Tray - 1/4" Radius x 1-1/4" Cut Diam - 1/2" SH
W-1403	Round Nose - 3/16" Radius - 1/4" SH
W-1404	Round Nose - 1/4" Radius - 1/4" SH
W-1404B	Round Nose with Bearing - 1/4" Radius - 1/4" SH
W-1405	Round Nose - 5/16" Radius - 1/4" SH
W-1405B	Round Nose with Bearing 5/16" Radius - 1/4" SH
W-1406	Round Nose - 3/8" Radius - 1/4" SH
W-1406B	Round Nose with Bearing - 3/8" Radius - 1/4" SH
W-1410	Round Nose 5/16" Radius - 1/2" SH
W-1411	Round Nose - 3/8" Radius - 1/2" SH
W-1412	Round Nose 7/16" Radius - 1/2" SH
W-1413	Round Nose - 1/2" Radius - 1/2" SH

WHITESIDE GLUE JOINT ROUTER BITS

W-3346	Locking Drawer Bit for 1/2" Stock x LOC 1/4" - 1/4" SH
W-3350	Locking Drawer Bit for 3/4" Stock x LOC 1" x 1/4" SH
W-3347	Locking Drawer Bit for 1/2" Stock x LOC 1/2" x 1/2" SH
W-3362	Lock Miter Bit for 1/2-3/4" Stock x 45 Degree x 1/2" SH

WHITESIDE ROUNDOVER ROUTER BITS

1/4" SHANK

W-2000A	Roundover Bit 1/16" Radius - 1/4" SH
W-2000C	Roundover Bit 1/8" Radius - 1/4" SH
W-2000	Roundover Bit 3/16" Radius - 1/4" SH
W-2001	Roundover Bit 1/4" Radius - 1/4" SH
W-2002	Roundover Bit 5/16" Radius - 1/4" SH
W-2003	Roundover Bit 3/8" Radius - 1/4" SH
W-2004	Roundover Bit 1/2" Radius - 1/4" SH

1/2" SHANK

W-2005C	Roundover Bit 1/8" Radius - 1/2" SH
W-2006	Roundover Bit 1/4" Radius - 1/2" SH
W-2008	Roundover Bit 3/8" Radius - 1/2" SH
W-2009	Roundover Bit 1/2" Radius - 1/2" SH
W-2009A	Roundover Bit 1/8" Radius - 1/2" SH
W-2010	Roundover Bit 3/4" Radius - 1/2" SH

WHITESIDE KEYHOLE ROUTER BITS

W-3050	Keyhole Bit 3/8" Diam - 1/4" SH
W-3052	Keyhole Bit 1/2" Diam - 1/4" SH

WHITESIDE SURFACING ROUTER BITS

W-6210	Surfacing Bit 1" Cut Width - 1/4" SH
W-6220	Surfacing Bit 2" Cut Width - 1/2" SH

W-6220



aluminum/brass tooling line

The **Aluminum Series** tools feature 3 flutes and a 45 degree high helix which make them ideal for finishing due to their high shear angle and cutting aggressiveness.



ALUMINUM SERIES 3 FLUTE TOOLS

1/8 SHANK	
PART NUMBER	DESCRIPTION
SRF062-3FL-AM	1/16" Square End Mill - 1/4" LOC
SRF125-3FL-AM-5/16	1/8" Square End Mill - 5/16" LOC
SRF125-3FL-AM	1/8" Square End Mill - 3/4" LOC
SRB125-3FL-AM	1/8" Ball End Mill - 3/8" LOC

1/4 SHANK	
PART NUMBER	DESCRIPTION
SRF43-250AM	1/4" Square End Mill - 1" LOC
SRF43-250AM-3/8	1/4" Square End Mill - 3/8" LOC
SRB43-250AM	1/4" Ball End Mill - 3/4" LOC
SRF43-250CB	1/4" Chipbreaker Rougher 3FL - 1-1/8" LOC

1/2 SHANK	
PART NUMBER	DESCRIPTION
SRF3-500AM	1/2" Square End Mill - 1-1/4" LOC
SRB3-500AM	1/2" Ball End Mill - 1" LOC

Our **General Purpose 3 Flute End Mills** are perfect for milling aluminum, brass and other non-ferrous materials. These tools are coated with our proprietary high performance Astra Coating which allows higher speed & feed rates as well as extended tool life & increased lubricity.



GENERAL PURPOSE 3 FLUTE TOOLS FOR NON-FERROUS MATERIALS

1/8 SHANK SQUARE END	
PART NUMBER	DESCRIPTION
SRF015-3FL	.015 Square End Mill
SRF032-3FL	.032 Square End Mill
SRF040-3FL	.040 Square End Mill
SRF062-3FL	.062 Square End Mill
SRF125-3FL	.125 Square End Mill

1/8 SHANK BALL END	
PART NUMBER	DESCRIPTION
SRB015-3FL	.015 Ball End Mill
SRB032-3FL	.032 Ball End Mill
SRB040-3FL	.040 Ball End Mill
SRB062-3FL	.062 Ball End Mill
SRB125-3FL	.125 Ball End Mill

1/4 SHANK	
PART NUMBER	DESCRIPTION
SRF43-250GP	3FL Square 1/4" - 1" LOC
SRB43-250GP	3FL Ball End 1/4" - 3/4" LOC

1/2 SHANK	
PART NUMBER	DESCRIPTION
SRF3-500GP	1/2" Square End Mill - 1" LOC
SRB3-500GP	1/2" Ball End Mill - 1" LOC

foam cutters

2 & 3 flute straight end mills

2 Flute Straight End Mill tools are perfect for milling Polyurethane, Polyethylene and Extruded Polystyrene Foam along with many other types of foam.



430-ST250

1/4" x 2-1/2" STRAIGHT BITS	
PART NUMBER	DESCRIPTION
425-ST125	1/8" - Straight Spiral 2FL - 1" LOC
425-ST250	1/4" - Straight Spiral 2FL - 1" LOC
430-ST250	1/4" - Straight Spiral 2FL - 2" LOC

1/2" SHANK THREE FLUTE	
PART NUMBER	DESCRIPTION
560-ST500-3FL	1/2" x 6" - Straight Spiral 3FL - 3" LOC & 4" LOR

spiral 'o' upcuts

single flute

Single Flute UpCut Bits are simply the best router bits to use for milling and routing most plastics, PVC, foam boards, aluminum and even corian. They will also cut fiberglass and acrylic without heating up the material.



425-UP250

1/4" x 2-1/2" SINGLE FLUTE UPCUTS	
PART NUMBER	DESCRIPTION
425-UP062	1/16" - 'O' Flute Spiral UpCut - 1/8" LOC
425-UP125	1/8" - 'O' Flute Spiral UpCut - 5/8" LOC
425-UP250	1/4" - 'O' Flute Spiral UpCut - 1" LOC

tapered end mills

Our **Tapered End Mills** tool combines the strength of an end mill with the taper of our Profile tools. The result is a much stronger and cleaner cutting tool. The ball end gives a nice finish to your work, while the flat end mill will cut square corners. **TOOL SIZE 1/8" X 1-1/2"**



TAPERED END MILLS | BALL

PART NUMBER	TIP SIZE (IN)	TIP SIZE (MM)	INCLUDED ANGLE	SIDE ANGLE	CUT LENGTH (IN)	CUT LENGTH (MM)
TEB6-004	.004	0.101	6°	3°	.400	10.16
TEB6-005	.005	0.127	6°	3°	.400	10.16
TEB10-004	.004	0.101	10°	5°	.400	10.16
TEB10-005	.005	0.127	10°	5°	.400	10.16
TEB10-005DC	.005	0.127	10°	5°	.750	19.00
TEB10-007	.007	0.178	10°	5°	.400	10.16
TEB10-010	.010	0.254	10°	5°	.400	10.16
TEB10-010DC	.010	0.254	10°	5°	.750	19.00
TEB10-015	.015	0.381	10°	5°	.400	10.16
TEB10-020	.020	0.508	10°	5°	.400	10.16
TEB10-032	.032	0.812	10°	5°	.400	10.16
TEB10-062	.062	1.570	10°	5°	.400	10.16
TEB15-004	.004	0.101	15°	7.5°	.400	10.16
TEB15-005	.005	0.127	15°	7.5°	.400	10.16
TEB15-010	.010	0.254	15°	7.5°	.400	10.16
TEB15-015	.015	0.381	15°	7.5°	.400	10.16
TEB15-020	.020	0.508	15°	7.5°	.400	10.16

TAPERED END MILLS W/ RELIEF | BALL

TEB6-004LR	.004	0.101	6°	3°	.400	10.16
TEB6-005LR	.005	0.127	6°	3°	.400	10.16
TEB10-004LR	.004	0.101	10°	5°	.400	10.16
TEB10-005LR	.005	0.127	10°	5°	.400	10.16



TAPERED END MILLS | FLAT

PART NUMBER	TIP SIZE (IN)	TIP SIZE (MM)	INCLUDED ANGLE	SIDE ANGLE	CUT LENGTH (IN)	CUT LENGTH (MM)
TEF10-005	.005	0.127	10°	5°	.400	10.16
TEF10-010	.010	0.254	10°	5°	.400	10.16
TEF10-015	.015	0.381	10°	5°	.400	10.16
TEF10-020	.020	0.508	10°	5°	.400	10.16
TEF10-032	.032	0.810	10°	5°	.400	10.16
TEF15-004	.004	0.101	15°	7.5°	.400	10.16
TEF15-005	.005	0.127	15°	7.5°	.400	10.16
TEF15-010	.010	0.254	15°	7.5°	.400	10.16
TEF15-015	.015	0.381	15°	7.5°	.400	10.16
TEF15-020	.020	0.508	15°	7.5°	.400	10.16
TEF30-005	.005	0.127	30°	15°	.200	5.10
TEF30-010	.010	0.254	30°	15°	.200	5.10



Tapered End Mills with relief allow you to plunge deeper into your part or mold. Tapered End Mills with relief have a reach of 15.00MM

engraving tools

Diamond Drag Engraving tools are designed to scratch the surface of the part being engraved. When engraving soft material, such as gold or silver, use the 140°, for brass and aluminum use 120°.



DIAMOND DRAG TOOLS

PART NUMBER	TOOL SIZE (IN)	ANGLE
818-DG90	1/8" x 1-1/8"	90°
818-DG120	1/8" x 1-1/8"	120°
818-DG130	1/8" x 1-1/8"	130°
818-DG140	1/8" x 1-1/8"	140°
420-DG90	1/4" x 2"	90°
420-DG120	1/4" x 2"	120°
420-DG130	1/4" x 2"	130°
420-DG140	1/4" x 2"	140°
845-DG90	1/8" x 4-1/2"	90°
845-DG120	1/8" x 4-1/2"	120°
845-DG130	1/8" x 4-1/2"	130°
845-DG140	1/8" x 4-1/2"	140°



CARBIDE ENGRAVING V-BITS

PART NUMBER	TOOL SIZE (IN)	INCLUDED ANGLE	SIDE ANGLE
815-HF30	1/8" x 1-1/2"	30°	15°
815-HF40	1/8" x 1-1/2"	40°	20°
815-HF45	1/8" x 1-1/2"	45°	22.5°
815-HF50	1/8" x 1-1/2"	50°	25°
815-HF60	1/8" x 1-1/2"	60°	30°
815-HF70	1/8" x 1-1/2"	70°	35°
815-HF80	1/8" x 1-1/2"	80°	40°
815-HF90	1/8" x 1-1/2"	90°	45°
420-PR30	1/4" x 2"	30°	15°
420-HF40	1/4" x 2"	40°	20°
420-HF45	1/4" x 2"	45°	22.5°
420-HF50	1/4" x 2"	50°	25°
420-HF60	1/4" x 2"	60°	30°
420-HF70	1/4" x 2"	70°	35°
420-HF80	1/4" x 2"	80°	40°
420-HF90	1/4" x 2"	90°	45°

*All 1-1/2" Carbide Engraving Tools also available in 2" tool length.

The Next Evolution in Coating Technology

NEW! **astra**
HIGH PERFORMANCE
COATED **HP**



We are thrilled to introduce our latest innovation in cutting-edge technology, AstraHP, a revolutionary multilayer coating that's set to redefine your machining experience. AstraHP represents a significant leap forward from our previous Astra Coating, offering enhanced performance across the board. This exceptional coating is incredibly thin, measuring at just 0.3μ (for comparison, a human hair is $40-55\mu$), ensuring minimal interference with the precision of your cutting tools. What's more, AstraHP is tougher than ever, boasting an impressive 5000 Vickers hardness, providing exceptional durability and wear resistance. But that's not all, AstraHP is also slicker than

its predecessor, reducing friction and heat buildup, leading to cleaner cuts and longer tool life.

You can now experience the AstraHP advantage on our newest Spiral CNC bits and router bits. To make your selection process even more straightforward, our product descriptions will clearly indicate whether the tool you're interested in is equipped with AstraHP Coating. We are committed to delivering high-quality, state-of-the-art tools that help you to achieve exceptional results, and AstraHP is yet another example of our dedication to your success.



How does AstraHP Coating extend the life of your bits?

During any type of cutting process, the cutting bit endures heat generated by the friction and abrasion of the bit moving through the material. This friction and abrasion are significant contributors to bit wear, leading to the dulling or degradation of the cutting edge, which in turn results in burning, a rough finish, and vibration.

AstraHP Coating is a multi-layered surface coating applied to our cutting tools that

effectively reduces the friction coefficient of the bit. This reduction in friction enables smoother and faster cutting while minimizing heat generated from friction. Consequently, AstraHP Coating significantly extends the lifespan of the cutting tool. It is exceptionally effective across a range of materials, including wood, metals, aluminum, brass, and plastics, allowing for increased speed and feed rates. AstraHP Coating also helps in reducing the accumulation

of dust and pitch. In the event that buildup does occur, the bit can be easily cleaned using a bit cleaning solution or compatible solvents due to its chemical resistance.

It is inevitable that a cutting tool will eventually wear to a point where it requires sharpening. AstraHP Coated tools can be sharpened in the same manner as standard carbide tools, ensuring they maintain a sharp cutting edge for extended usability.

SERVING OUR CUSTOMERS FOR OVER 30 YEARS,
WITH AFFORDABLE HIGH QUALITY TOOLS & FAST SERVICE.



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