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**FRED M. VELEPEC CO. INC.**



**VELEPEC**<sup>TM</sup>

**FRED M. VELEPEC CO. INC.**  
The Innovator of Solid Surface Cutting Tools



**Carbide Router Tools and Bits**  
**For the Home & Industry**





**VELEPEC™**  
The Innovator of Solid  
Surface Cutting Tools

## FRED M.VELEPEC CO. INC.

Established in 1942, Queens N.Y.  
is a third generation company.

Our business has always and continues to evolve around the users of our products. We continue to manufacture tools to the highest industry standard. Velepec Tools have been and are the number one recommended tools in the solid surface industry.

### ...What you can expect

- *Quality, second to none*
- *Product excellence*
- *Equal customer satisfaction*
- *Precision craftsmanship*
- *Competitive and affordable prices*

...and most important, when you order a Velepec Tool you get your own team of experts to guide you through any questions you may have.



*When Looking for Quality Workmanship and Ease of Fabrication  
Insist On The Best tooling Available...*

**VELEPEC TOOLING**

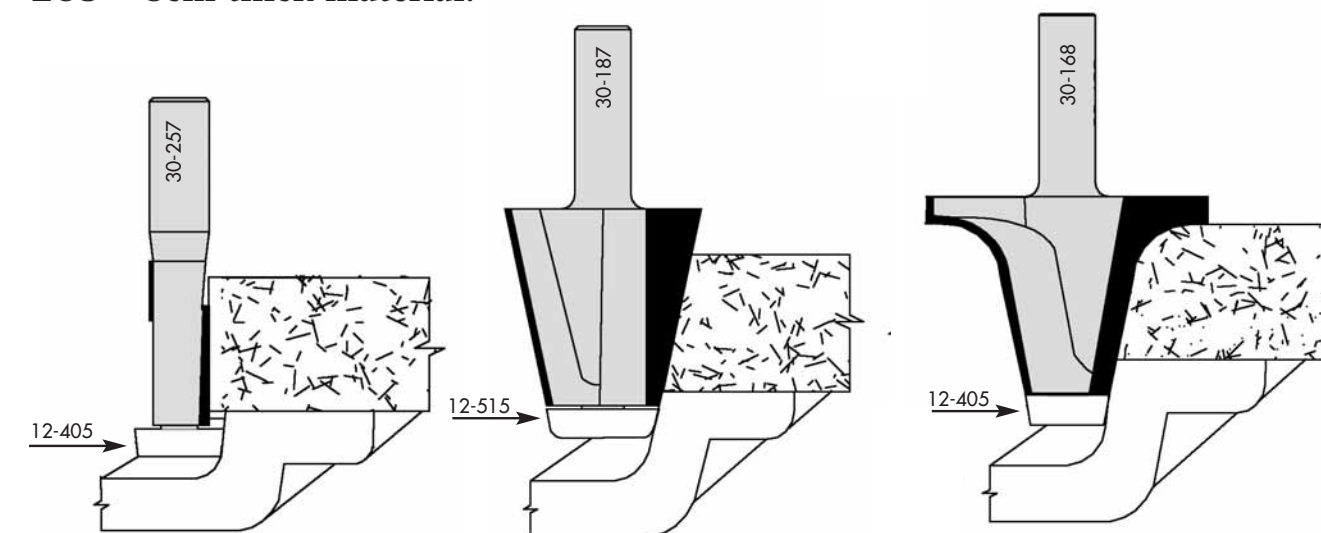
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**VELEPEC™**  
The Innovator of Solid  
Surface Cutting Tools

## EOS™ *Solid Surface Bits*

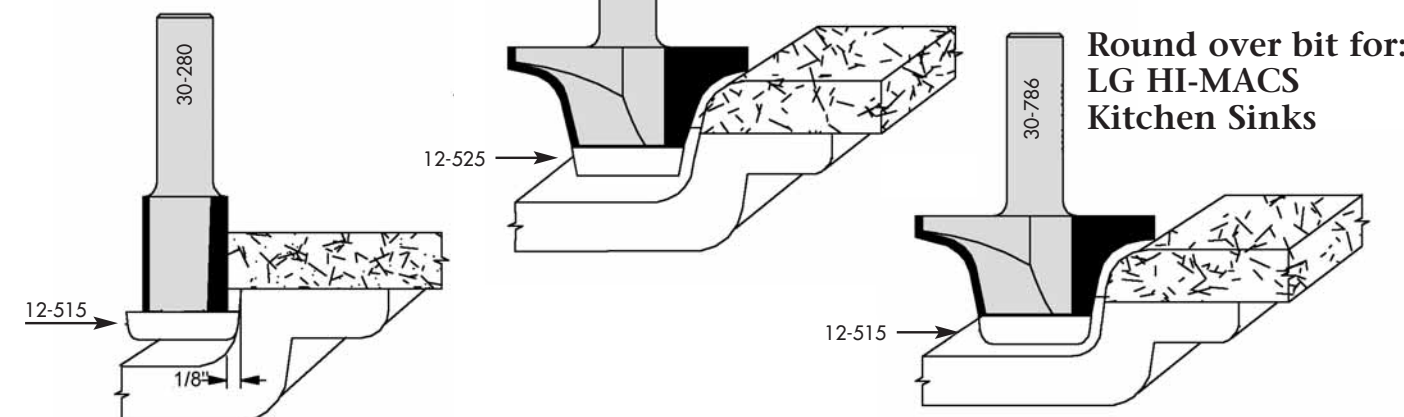
These tools are designed to fabricate  
EOS™ 3cm thick material.

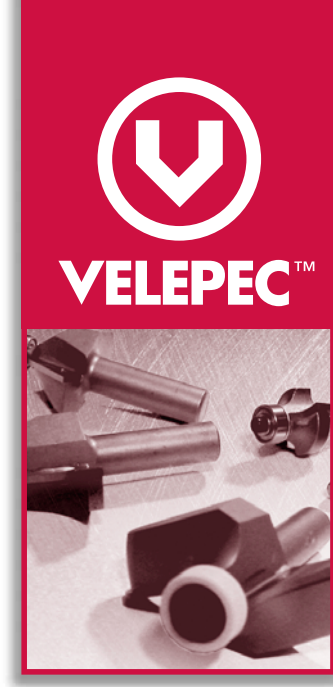


## LG HI-MACS *Solid Surface Bits*

Cut-out bit for:  
ALL LG HI-MACS  
Kitchen Sinks  
& Lavatory Bowls

Round over bit for:  
LG HI-MACS  
& Lavatory Bowls





# Carbide Router Tools and Bits

For the Home & Industry

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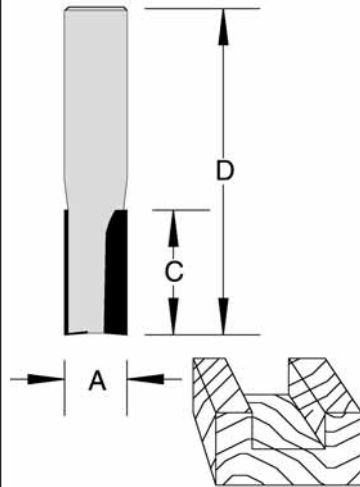




Plunge Cutting Router Bits

Carbide Tipped

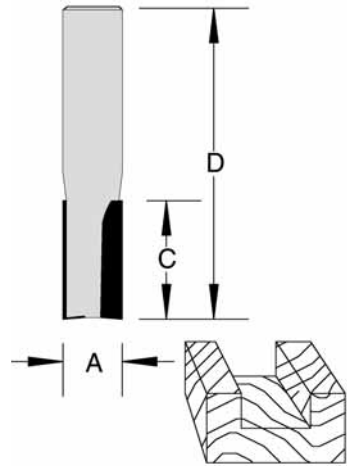
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-090	1-4-A2	2	1/16"	1/4"	7/32"	1-3/4"
10-100	2-4-A1	1	1/8"	1/4"	7/16"	2"
10-105	1A	2	1/8"	1/4"	7/16"	2"
10-110	3-4-A1	1	3/16"	1/4"	7/16"	2"
10-115	1B	2	3/16"	1/4"	7/16"	2"
10-120	4-4-A1	1	1/4"	1/4"	1/2"	2"
10-125	1	2	1/4"	1/4"	1/2"	2"
10-130	4-4-B1	1	1/4"	1/4"	3/4"	2"
10-135	2	2	1/4"	1/4"	3/4"	2"
10-140	4-4-C1	1	1/4"	1/4"	1"	2-1/4"
10-145	3	2	1/4"	1/4"	1"	2-1/4"
10-150	4-4-C2L	2	1/4"	1/4"	1"	2-7/8"
10-155	4-1/2-4-C2	2	9/32"	1/4"	1"	2-1/4"
10-160	5-4-C2	2	5/16"	1/4"	1"	2-1/4"
10-165	4	2	3/8"	1/4"	3/4"	2"
10-170	5	2	3/8"	1/4"	1"	2-1/4"
10-175	7-4-C2	2	7/16"	1/4"	1"	2-1/8"
10-180	9	2	1/2"	1/4"	3/4"	2"
10-185	10	2	1/2"	1/4"	1"	2-1/8"
10-190	9-4-B2	2	9/16"	1/4"	3/4"	2"
10-195	10-4-B2	2	5/8"	1/4"	3/4"	2"
10-200	11-4-B2	2	11/16"	1/4"	3/4"	2"
10-205	12-4-B2	2	3/4"	1/4"	3/4"	2"
10-210	13-4-B2	2	13/16"	1/4"	3/4"	2"
10-215	6-6-C1	1	3/8"	3/8"	1"	2-1/2"
10-220	7	2	3/8"	3/8"	1"	2-1/2"
10-225	6-6-D2	2	3/8"	3/8"	1-1/4"	2-3/4"
10-230	8-6-C2	2	1/2"	3/8"	1"	2-1/2"
10-235	4-8-B1	1	1/4"	1/2"	3/4"	2-1/2"
10-240	4-8-B2	2	1/4"	1/2"	3/4"	2-1/2"
10-245	5-8-B1	1	5/16"	1/2"	3/4"	2-1/2"
10-250	5-8-B2	2	5/16"	1/2"	3/4"	2-1/2"
10-255	5-8-C2	2	5/16"	1/2"	1"	2-3/4"
10-260	6-8-B2	2	3/8"	1/2"	3/4"	2-1/2"
10-265	6-8-C1	1	3/8"	1/2"	1"	2-3/4"
10-270	8	2	3/8"	1/2"	1"	2-3/4"
10-275	6-8-D2	2	3/8"	1/2"	1-1/4"	3"



Plunge Cutting Router Bits

Carbide Tipped

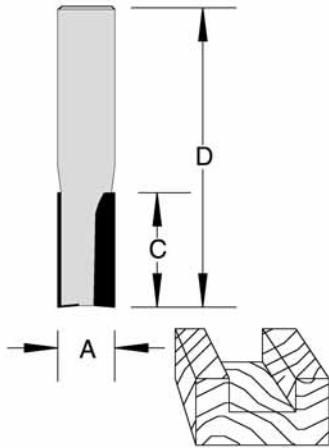
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-280	7-8-D2	2	7/16"	1/2"	1-1/4"	3"
10-283	8-8-C1	1	1/2"	1/2"	1"	2-5/8"
10-285	11	2	1/2"	1/2"	1"	2-5/8"
10-290	8-8-D1	1	1/2"	1/2"	1-1/4"	2-7/8"
10-295	12	2	1/2"	1/2"	1-1/4"	2-7/8"
10-300	8-8-E1	1	1/2"	1/2"	1-1/2"	3-1/8"
10-305	13	2	1/2"	1/2"	1-1/2"	3-1/8"
10-310	14	2	1/2"	1/2"	1-1/2"	4-1/4"
10-315	8-8-F1L	1	1/2"	1/2"	2"	4-1/4"
10-320	15	2	1/2"	1/2"	2"	4-1/4"
10-325	8-8-H2L	2	1/2"	1/2"	2-1/2"	4-1/2"
10-330	9-8-D1	1	9/16"	1/2"	1-1/4"	2-7/8"
10-335	9-8-D2	2	9/16"	1/2"	1-1/4"	2-7/8"
10-340	16	2	5/8"	1/2"	1"	2-5/8"
10-345	10-8-D1	1	5/8"	1/2"	1-1/4"	2-7/8"
10-350	17	2	5/8"	1/2"	1-1/4"	2-7/8"
10-355	18	2	5/8"	1/2"	1-1/2"	3-1/8"
10-360	11-8-D2	2	11/16"	1/2"	1-1/4"	2-7/8"
10-365	19	2	3/4"	1/2"	1"	2-5/8"
10-370	20	2	3/4"	1/2"	1-1/4"	2-7/8"
10-375	21	2	3/4"	1/2"	1-1/2"	3-1/8"
10-380	12-1/2-8-D2	2	25/32"	1/2"	1-1/4"	2-3/4"
10-385	13-8-D2	2	13/16"	1/2"	1-1/4"	2-7/8"
10-390	14-8-D2	2	7/8"	1/2"	1-1/4"	2-7/8"
10-395	16-8-D2	2	1"	1/2"	1-1/4"	2-7/8"
10-400	20-8-D2	2	1-1/4"	1/2"	1-1/4"	2-7/8"
10-405	24-8-D2	2	1-1/2"	1/2"	1-1/4"	2-7/8"
10-410	28-8-D2	2	1-3/4"	1/2"	1-1/4"	2-7/8"
10-415	32-8-D2	2	2"	1/2"	1-1/4"	2-7/8"
10-420	12-12-D2	2	3/4"	3/4"	1-1/4"	3-1/4"
10-425	12-12-F2	2	3/4"	3/4"	2"	4"
10-430	12-12-F2L	2	3/4"	3/4"	2"	4-1/2"
10-435	12-12-H2	2	3/4"	3/4"	2-1/2"	4-1/2"
10-440	12-12-H2L	2	3/4"	3/4"	2-1/2"	5"



# Plunge Cutting Router Bits

Carbide Tipped

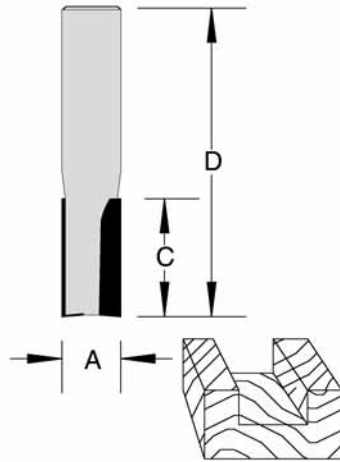
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
40-105	2-1/2-4-A1	1	5/32"	1/4"	1/2"	2"
40-110	2-1/2-4-A2	2	5/32"	1/4"	1/2"	2"
40-145	3-4-C2	2	3/16"	1/4"	1"	2-1/4"
40-160	3-1/2-4-A1	1	7/32"	1/4"	1/2"	2"
40-165	3-1/2-4-A2	2	7/32"	1/4"	1/2"	2"
40-175	3-1/2-4-B2	2	7/32"	1/4"	3/4"	2"
40-185	3-1/2-4-C2	2	7/32"	1/4"	1"	2-1/4"
40-240	4-4-B2L	2	1/4"	1/4"	3/4"	2-7/8"
40-250	4-4-C1L	1	1/4"	1/4"	1"	3"
40-275	4-4-D2	2	1/4"	1/4"	1-1/4"	2-3/4"
40-305	4-1/2-4-A2	2	9/32"	1/4"	1/2"	2"
40-315	4-1/2-4-B2	2	9/32"	1/4"	3/4"	2"
40-320	4-1/2-4-C1	1	9/32"	1/4"	1"	2"
40-340	5-4-A1	1	5/16"	1/4"	1/2"	2"
40-345	5-4-A2	2	5/16"	1/4"	1/2"	2"
40-350	5-4-B1	1	5/16"	1/4"	3/4"	2"
40-360	5-4-B2	2	5/16"	1/4"	3/4"	2"
40-365	5-4-C1	1	5/16"	1/4"	1"	2"
40-412	6-4-D2	2	3/8"	1/4"	1-1/4"	2-3/4"
40-432	7-4-B2	2	7/16"	1/4"	3/4"	2"
40-445	8-4-A2	2	1/2"	1/4"	1/2"	2"
40-455	8-4-C1	1	1/2"	1/4"	1"	2"
40-495	10-4-A2	2	5/8"	1/4"	1/2"	2"
40-500	10-4-C2	2	5/8"	1/4"	1"	2"
40-515	10-1/2-4-A2	2	21/32"	1/4"	1/2"	1-1/2"
40-520	10-1/2-4-B2	2	21/32"	1/4"	3/4"	2"
40-525	10-1/2-4-C2	2	21/32"	1/4"	1"	2-1/4"
40-534	11-1/2-4-B2	2	23/32"	1/4"	3/4"	2"
40-555	13-4-A2	2	13/16"	1/4"	1/2"	2"
40-565	13-4-C2	2	13/16"	1/4"	1"	2-1/4"
40-570	14-4-B2	2	7/8"	1/4"	3/4"	2"
40-575	14-4-C2	2	7/8"	1/4"	1"	2-1/4"
40-578	16-4-B2	2	1"	1/4"	3/4"	2"



# Plunge Cutting Router Bits

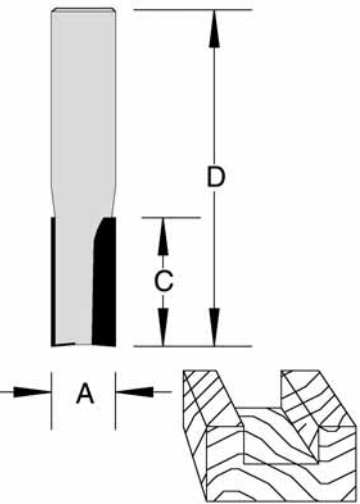
Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
40-810	5-5-B2	2	5/16"	5/16"	3/4"	2"
40-830	5-5-C2	2	5/16"	5/16"	1"	2-1/2"
40-860	6-5-C2	2	3/8"	5/16"	1"	2"
41-100	4-6-B2	2	1/4"	3/8"	3/4"	2"
41-130	4-1/2-6-B2	2	9/32"	3/8"	3/4"	2"
41-165	5-1/2-6-A2	2	11/32"	3/8"	1/2"	2"
41-166	5-1/2-6-C2	2	11/32"	3/8"	1"	2-1/2"
41-170	6-6-A2	2	3/8"	3/8"	1/2"	2"
41-230	6-6-E2	2	3/8"	3/8"	1-1/2"	3"
41-240	6-1/2-6-A2	2	13/32"	3/8"	1/2"	2"
41-300	8-6-B1	1	1/2"	3/8"	3/4"	2"
41-320	8-6-C1	1	1/2"	3/8"	1"	2-1/2"
41-330	8-6-D1	1	1/2"	3/8"	1-1/4"	2-3/4"
41-340	8-6-D2	2	1/2"	3/8"	1-1/4"	2-3/4"
41-350	8-6-E1	1	1/2"	3/8"	1-1/2"	3"
41-360	10-6-C2	2	5/8"	3/8"	1"	2-1/2"
41-370	12-6-B2	2	3/4"	3/8"	3/4"	3-1/2"
41-371	16-6-C2	2	1"	3/8"	1"	2-3/4"
43-110	4-8-A2	2	1/4"	1/2"	1/2"	2-1/4"
43-130	4-8-C1	1	1/4"	1/2"	1"	2-3/4"
43-140	4-8-C2	2	1/4"	1/2"	1"	2-3/4"
43-183	4-1/2-8-B2	2	9/32"	1/2"	3/4"	2-1/2"
43-195	4-1/2-8-C2	2	9/32"	1/2"	1"	2-3/4"
43-225	5-8-C2L	2	5/16"	1/2"	1"	3-1/2"
43-240	5-8-D1	1	5/16"	1/2"	1-1/4"	3"
43-245	5-8-D2	2	5/16"	1/2"	1-1/4"	3"
43-258	5-1/2-8-C1	1	11/32"	1/2"	1"	2-3/4"
43-260	5-1/2-8-C2	2	11/32"	1/2"	1"	2-3/4"
43-280	6-8-A2	2	3/8"	1/2"	1/2"	2-1/4"
43-305	6-8-C1L	1	3/8"	1/2"	1"	3-1/2"
43-335	6-8-C2L	2	3/8"	1/2"	1"	3-1/2"
43-340	6-8-D1	1	3/8"	1/2"	1-1/4"	3"
43-345	6-8-D1L	1	3/8"	1/2"	1-1/4"	3-1/2"
43-365	6-8-D2L	2	3/8"	1/2"	1-1/4"	3-1/2"
43-370	6-8-E1	1	3/8"	1/2"	1-1/2"	3-1/4"
43-375	6-8-E2	2	3/8"	1/2"	1-1/2"	3-1/4"
43-390	6-8-E1L	1	3/8"	1/2"	1-1/2"	3-1/2"
43-395	6-8-E2L	2	3/8"	1/2"	1-1/2"	3-1/2"



Plunge Cutting Router Bits *Carbide Tipped*

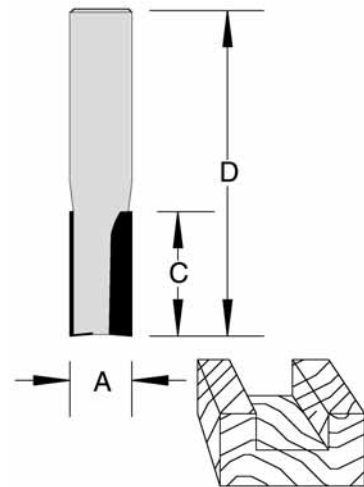
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-451	7-8-A2	2	7/16"	1/2"	1/2"	2-1/4"
43-455	7-8-B2	2	7/16"	1/2"	3/4"	2-1/2"
43-465	7-8-C2	2	7/16"	1/2"	1"	2-3/4"
43-475	7-8-D1	1	7/16"	1/2"	1-1/4"	3"
43-495	7-8-E2	2	7/16"	1/2"	1-1/2"	3-1/8"
43-505	7-1/2-8-B2	2	15/32"	1/2"	3/4"	2-1/2"
43-510	7-1/2-8-C2	2	15/32"	1/2"	1"	2-3/4"
43-515	7-1/2-8-D2	2	15/32"	1/2"	1-1/4"	3"
43-535	8-8-A1	1	1/2"	1/2"	1/2"	2-1/4"
43-541	8-8-A2	2	1/2"	1/2"	1/2"	2-1/4"
43-550	8-8-B1	1	1/2"	1/2"	3/4"	2-1/2"
43-555	8-8-B2	2	1/2"	1/2"	3/4"	2-1/2"
43-585	11/2-1/4"	2	1/2"	1/2"	1"	2-1/4"
43-590	11/3-1/4"	2	1/2"	1/2"	1"	3-1/4"
43-615	8-8-D1L	1	1/2"	1/2"	1-1/4"	4"
43-685	8-8-E2L	2	1/2"	1/2"	1-1/2"	4-3/8"
43-688	8-8-EE2	2	1/2"	1/2"	1-3/4"	3-3/8"
43-735	8-8-F1L/4-1/2"	1	1/2"	1/2"	2"	4-1/2"
43-740	8-8-F2L	2	1/2"	1/2"	2"	3-5/8"
43-750	15/5"	2	1/2"	1/2"	2"	5"
43-790	8-8-G2L	2	1/2"	1/2"	2-1/4"	4-1/2"
43-810	8-8-H1L/4-1/2"	1	1/2"	1/2"	2-1/2"	4-1/2"
43-820	8-8-H2L/6"	2	1/2"	1/2"	2-1/2"	6"
43-835	8-8-J2L/5-1/4"	2	1/2"	1/2"	3"	5-1/4"
43-883	8-1/2-8-C2L	2	17/32"	1/2"	1"	2-1/2"
43-885	8-1/2-8-D2	2	17/32"	1/2"	1-1/4"	3"
43-900	8-1/2-8-F2	2	17/32"	1/2"	2"	4-1/8"
43-910	9-8-B2	2	9/16"	1/2"	3/4"	2-1/2"
43-920	9-8-C2	2	9/16"	1/2"	1"	2-3/4"
43-945	9-8-E2	2	9/16"	1/2"	1-1/2"	3-1/8"
44-025	10-8-F2	2	5/8"	1/2"	2"	3-5/8"
44-035	10-8-H2	2	5/8"	1/2"	2-1/2"	4-1/8"
44-075	10-1/2-8-D2	2	21/32"	1/2"	1-1/4"	2-7/8"
44-080	10-1/2-8-E2	2	21/32"	1/2"	1-1/2"	3-1/8"
44-085	11-8-B2	2	11/16"	1/2"	3/4"	2-5/8"
44-110	11-8-E2	2	11/16"	1/2"	1-1/2"	3-1/8"
44-215	12-8-F2	2	3/4"	1/2"	2"	3-5/8"
44-220	12-8-H2	2	3/4"	1/2"	2-1/2"	4-1/8"
44-250	13-8-A2	2	13/16"	1/2"	1/2"	2-1/2"
44-255	13-8-C2	2	13/16"	1/2"	1"	2-5/8"
44-270	13-8-E2	2	13/16"	1/2"	1-1/2"	3"



Plunge Cutting Router Bits

*Carbide Tipped*

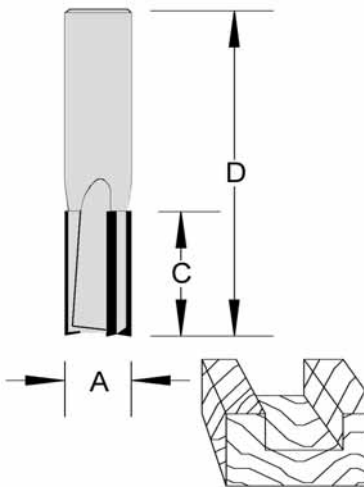
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
44-280	13-1/2-8-D2	2	27/32"	1/2"	1-1/4"	2-7/8"
44-290	14-8-C2	2	7/8"	1/2"	1"	2-5/8"
44-320	14-8-E2	2	7/8"	1/2"	1-1/2"	3-1/8"
44-325	14-8-F2	2	7/8"	1/2"	2"	3-5/8"
44-330	15-8-C2	2	15/16"	1/2"	1"	2-5/8"
44-335	15-8-D2	2	15/16"	1/2"	1-1/4"	2-7/8"
44-340	16-8-C2	2	1"	1/2"	1"	2-5/8"
44-370	16-8-E2	2	1"	1/2"	1-1/2"	3-1/8"
44-380	16-8-F2	2	1"	1/2"	2"	3-5/8"
44-415	17-8-C2	2	1-1/16"	1/2"	1"	2-5/8"
44-420	17-8-D2	2	1-1/16"	1/2"	1-1/4"	2-7/8"
44-440	18-8-D2	2	1-1/8"	1/2"	1-1/4"	2-7/8"
44-452	18-8-F2	2	1-1/8"	1/2"	2"	3-5/8"
44-495	20-8-E2	2	1-1/4"	1/2"	1-1/2"	3-1/8"
44-520	22-8-D2	2	1-3/8"	1/2"	1-1/4"	2-7/8"
44-565	24-8-E2	2	1-1/2"	1/2"	1-1/2"	3-1/8"
44-580	26-8-D2	2	1-5/8"	1/2"	1-1/4"	2-7/8"
46-108	12-12-E2	2	3/4"	3/4"	1-1/2"	3-1/2"
46-230	16-12-H2	2	1"	3/4"	2-1/2"	4-1/2"



Three Flute Plunge Cutting Router Bits

*Carbide Tipped*

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-605	113	3	1/2"	1/2"	1"	2-5/8"
43-660	123	3	1/2"	1/2"	1-1/4"	2-7/8"
43-720	133	3	1/2"	1/2"	1-1/2"	3-1/8"
43-785	153	3	1/2"	1/2"	2"	4-1/4"

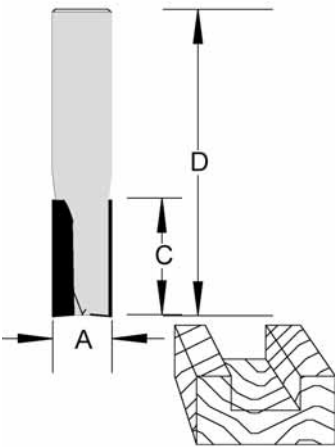




Plunge Cutting Router Bits Left Hand Rotation

Carbide Tipped

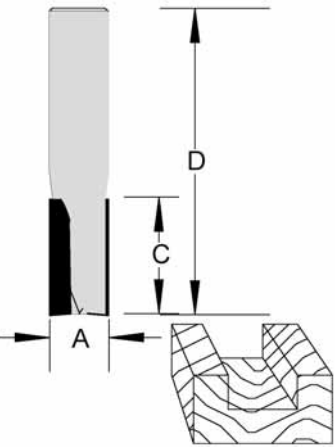
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
40-086	2-4-A1/LH	1	1/8"	1/4"	7/16"	2"
40-090	1A/LH	2	1/8"	1/4"	7/16"	2"
40-125	3-4-A1/LH	1	3/16"	1/4"	7/16"	2"
40-136	1B/LH	2	3/16"	1/4"	7/16"	2"
40-202	4-4-A1/LH	1	1/4"	1/4"	1/2"	2"
40-205	1/LH	2	1/4"	1/4"	1/2"	2"
40-232	4-4-B1/LH	1	1/4"	1/4"	3/4"	2"
40-239	2/LH	2	1/4"	1/4"	3/4"	2"
40-245	4-4-C1/LH	1	1/4"	1/4"	1"	2-1/4"
40-260	3/LH	2	1/4"	1/4"	1"	2-1/4"
40-272	4-4-C2L/LH	2	1/4"	1/4"	1"	2-7/8"
40-322	4-1/2-4-C2/LH	2	9/32"	1/4"	1"	2-1/4"
40-378	5-4-C2/LH	2	5/16"	1/4"	1"	2-1/4"
40-400	4/LH	2	3/8"	1/4"	3/4"	2"
40-415	5/LH	2	3/8"	1/4"	1"	2-1/4"
40-434	7-4-C2/LH	2	7/16"	1/4"	1"	2-1/8"
40-452	9/LH	2	1/2"	1/4"	3/4"	2"
40-460	10/LH	2	1/2"	1/4"	1"	2-1/8"
40-492	9-4-B2/LH	2	9/16"	1/4"	3/4"	2"
40-505	10-4-B2/LH	2	5/8"	1/4"	3/4"	2"
40-532	11-4-B2/LH	2	11/16"	1/4"	3/4"	2"
40-545	12-4-B2/LH	2	3/4"	1/4"	3/4"	2"
40-560	13-4-B2/LH	2	13/16"	1/4"	3/4"	2"
41-190	6-6-C1/LH	1	3/8"	3/8"	1"	2-1/2"
41-205	7/LH	2	3/8"	3/8"	1"	2-1/2"
41-222	6-6-D2/LH	2	3/8"	3/8"	1-1/4"	2-3/4"
41-325	8-6-C2/LH	2	1/2"	3/8"	1"	2-1/2"
43-120	4-8-B1/LH	1	1/4"	1/2"	3/4"	2-1/2"
43-125	4-8-B2/LH	2	1/4"	1/2"	3/4"	2-1/2"
43-205	5-8-B1/LH	1	5/16"	1/2"	3/4"	2-1/2"
43-210	5-8-B2/LH	2	5/16"	1/2"	3/4"	2-1/2"
43-222	5-8-C2/LH	2	5/16"	1/2"	1"	2-3/4"
43-292	6-8-B2/LH	2	3/8"	1/2"	3/4"	2-1/2"
43-300	6-8-C1/LH	1	3/8"	1/2"	1"	2-3/4"
43-330	8/LH	2	3/8"	1/2"	1"	2-3/4"
43-355	6-8-D2/LH	2	3/8"	1/2"	1-1/4"	3"



Plunge Cutting Router Bits Left Hand Rotation

Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-485	7-8-D2/LH	2	7/16"	1/2"	1-1/4"	3"
43-568	8-8-C1/LH	1	1/2"	1/2"	1"	2-5/8"
43-580	11/LH	2	1/2"	1/2"	1"	2-5/8"
43-610	8-8-D1/LH	1	1/2"	1/2"	1-1/4"	2-7/8"
43-645	12/LH	2	1/2"	1/2"	1-1/4"	2-7/8"
43-670	8-8-E1/LH	1	1/2"	1/2"	1-1/2"	3-1/8"
43-705	13/LH	2	1/2"	1/2"	1-1/2"	3-1/8"
43-724	14/LH	2	1/2"	1/2"	1-1/2"	4-1/4"
43-730	8-8-F1L/LH	1	1/2"	1/2"	2"	4-1/4"
43-760	15/LH	2	1/2"	1/2"	2"	4-1/4"
43-825	8-8-H2L/LH	2	1/2"	1/2"	2-1/2"	4-1/2"
43-922	9-8-D1/LH	1	9/16"	1/2"	1-1/4"	2-7/8"
43-935	9-8-D2/LH	2	9/16"	1/2"	1-1/4"	2-7/8"
43-979	16/LH	2	5/8"	1/2"	1"	2-5/8"
43-986	10-8-D1/LH	1	5/8"	1/2"	1-1/4"	2-7/8"
43-989	17/LH	2	5/8"	1/2"	1-1/4"	2-7/8"
44-000	18/LH	2	5/8"	1/2"	1-1/2"	3-1/8"
44-102	11-8-D2/LH	2	11/16"	1/2"	1-1/4"	2-7/8"
44-160	19/LH	2	3/4"	1/2"	1"	2-5/8"
44-170	20/LH	2	3/4"	1/2"	1-1/4"	2-7/8"
44-180	21/LH	2	3/4"	1/2"	1-1/2"	3-1/8"
44-232	12-1/2-8-D2/LH	2	25/32"	1/2"	1-1/4"	2-3/4"
44-265	13-8-D2/LH	2	13/16"	1/2"	1-1/4"	2-7/8"
44-310	14-8-D2/LH	2	7/8"	1/2"	1-1/4"	2-7/8"
44-355	16-8-D2/LH	2	1"	1/2"	1-1/4"	2-7/8"
44-490	20-8-D2/LH	2	1-1/4"	1/2"	1-1/4"	2-7/8"
44-560	24-8-D2/LH	2	1-1/2"	1/2"	1-1/4"	2-7/8"
44-606	28-8-D2/LH	2	1-3/4"	1/2"	1-1/4"	2-7/8"
44-635	32-8-D2/LH	2	2"	1/2"	1-1/4"	2-7/8"
46-102	12-12-D2/LH	2	3/4"	3/4"	1-1/4"	3-1/4"
46-120	12-12-F2/LH	2	3/4"	3/4"	2"	4"
46-132	12-12-F2L/LH	2	3/4"	3/4"	2"	4-1/2"
46-165	12-12-H2/LH	2	3/4"	3/4"	2-1/2"	4-1/2"
46-183	12-12-H2L/LH	2	3/4"	3/4"	2-1/2"	5"

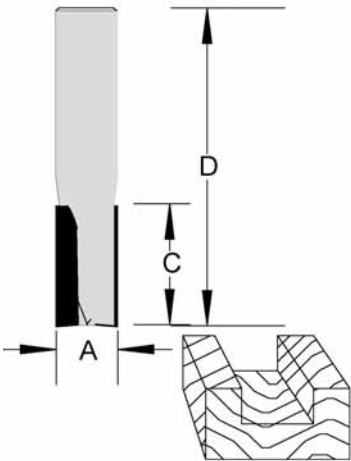




# Plunge Cutting Router Bits Left Hand Rotation

Carbide Tipped

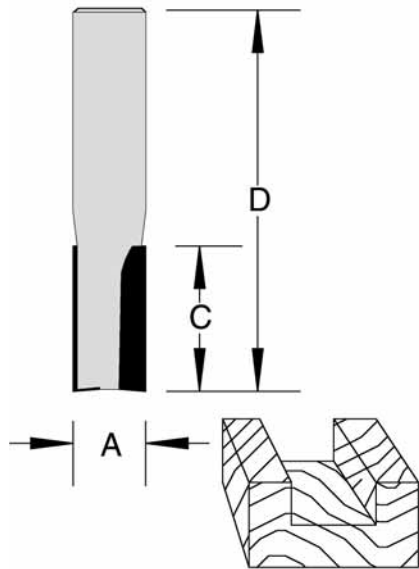
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
40-111	2-1/2-4-A2/LH	2	5/32"	1/4"	1/2"	2"
40-166	3-1/2-4-A2/LH	2	7/32"	1/4"	1/2"	2"
40-361	5-4-B2/LH	2	5/16"	1/4"	3/4"	2"
40-425	6-1/2-4-C2/LH	2	13/32"	1/4"	1"	2"
40-440	8-4-A2/LH	2	1/2"	1/4"	1/2"	2"
40-580	16-4-B2/LH	2	1"	1/4"	3/4"	2"
40-840	5-5-C2/LH	2	5/16"	5/16"	1"	2-1/2"
41-110	4-6-B2/LH	2	1/4"	3/8"	3/4"	2"
41-150	5-6-B2/LH	2	5/16"	3/8"	3/4"	2"
41-235	6-6-E2/LH	2	3/8"	3/8"	1-1/2"	3"
41-285	7-6-C2/LH	2	7/16"	3/8"	1"	2-1/2"
43-111	4-8-A2/LH	2	1/4"	1/2"	1/2"	2-1/4"
43-145	4-8-C2/LH	2	1/4"	1/2"	1"	2-3/4"
43-185	4-1/2-8-B2/LH	2	9/32"	1/2"	3/4"	2-1/2"
43-196	4-1/2-8-C2/LH	2	9/32"	1/2"	1"	2-3/4"
43-260	5-1/2-8-C2/LH	2	11/32"	1/2"	1"	2-7/8"
43-306	6-8-C1L/LH	1	3/8"	1/2"	1"	3-1/2"
43-380	6-8-E2/LH	2	3/8"	1/2"	1-1/2"	3-1/4"
43-425	6-1/2-8-C2/LH	2	13/32"	1/2"	1"	2-3/4"
43-450	7-8-A2/LH	2	7/16"	1/2"	1/2"	2-1/4"
43-470	7-8-C2/LH	2	7/16"	1/2"	1"	2-3/4"
43-625	8-8-D2L/LH	2	1/2"	1/2"	1-1/4"	4"
43-795	8-8-G2L/LH	2	1/2"	1/2"	2-1/4"	4-1/2"
44-027	10-8-F2/LH	2	5/8"	1/2"	2"	3-5/8"
44-076	10-1/2-8-D2/LH	2	21/32"	1/2"	1-1/4"	2-7/8"
44-081	10-1/2-8-E2/LH	2	21/32"	1/2"	1-1/2"	3-1/8"
44-225	12-8-H2/LH	2	3/4"	1/2"	2-1/2"	4-1/8"
44-377	16-8-E2/LH	2	1"	1/2"	1-1/2"	3-1/8"
44-451	18-8-E2/LH	2	1-1/8"	1/2"	1-1/2"	3-1/8"
44-475	20-8-C2/LH	2	1-1/4"	1/2"	1"	2-5/8"
44-522	22-8-D2/LH	2	1-3/8"	1/2"	1-1/4"	3"
44-635	32-8-D2/LH	2	2"	1/2"	1-1/4"	2-7/8"
46-094	10-12-H2/LH	2	5/8"	3/4"	2-1/2"	4-1/2"
46-111	12-12-E2/LH	2	3/4"	3/4"	1-1/2"	3-1/2"
46-192	12-12-I2L/LH	2	3/4"	3/4"	2-3/4"	6"
46-242	20-12-I2/LH	2	1-1/4"	3/4"	2-3/4"	6"



# CNC Plunge Cutting Router Bits

Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-100C	2-4-A1/C	1	1/8"	1/4"	7/16"	2"
10-105C	1A/C	2	1/8"	1/4"	7/16"	2"
10-110C	3-4-A1/C	1	3/16"	1/4"	7/16"	2"
10-115C	1B/C	2	3/16"	1/4"	7/16"	2"
10-120C	4-4-A1/C	1	1/4"	1/4"	1/2"	2"
10-125C	1/C	2	1/4"	1/4"	1/2"	2"
10-130C	4-4-B1/C	1	1/4"	1/4"	3/4"	2"
10-135C	2/C	2	1/4"	1/4"	3/4"	2"
10-140C	4-4-C1/C	1	1/4"	1/4"	1"	2-1/4"
10-145C	3/C	2	1/4"	1/4"	1"	2-1/4"
10-150C	4-4-C2L/C	2	1/4"	1/4"	1"	2-7/8"
10-155C	4-1/2-4-C2/C	2	9/32"	1/4"	1"	2-1/4"
10-160C	5-4-C2/C	2	5/16"	1/4"	1"	2-1/4"
10-165C	4/C	2	3/8"	1/4"	3/4"	2"
10-170C	5/C	2	3/8"	1/4"	1"	2-1/4"
10-175C	7-4-C2/C	2	7/16"	1/4"	1"	2-1/8"
10-180C	9/C	2	1/2"	1/4"	3/4"	2"
10-185C	10/C	2	1/2"	1/4"	1"	2-1/8"
10-190C	9-4-B2/C	2	9/16"	1/4"	3/4"	2"
10-195C	10-4-B2/C	2	5/8"	1/4"	3/4"	2"
10-200C	11-4-B2/C	2	11/16"	1/4"	3/4"	2"
10-205C	12-4-B2/C	2	3/4"	1/4"	3/4"	2"
10-210C	13-4-B2/C	2	13/16"	1/4"	3/4"	2"
10-215C	6-6-C1/C	1	3/8"	3/8"	1"	2-1/2"
10-220C	7/C	2	3/8"	3/8"	1"	2-1/2"
10-225C	6-6-D2/C	2	3/8"	3/8"	1-1/4"	2-3/4"
10-230C	8-6-C2/C	2	1/2"	3/8"	1"	2-1/2"
10-235C	4-8-B1/C	1	1/4"	1/2"	3/4"	2-1/2"
10-240C	4-8-B2/C	2	1/4"	1/2"	3/4"	2-1/2"
10-245C	5-8-B1/C	1	5/16"	1/2"	3/4"	2-1/2"
10-250C	5-8-B2/C	2	5/16"	1/2"	3/4"	2-1/2"
10-255C	5-8-C2/C	2	5/16"	1/2"	1"	2-3/4"
10-260C	6-8-B2/C	2	3/8"	1/2"	3/4"	2-1/2"
10-265C	6-8-C1/C	1	3/8"	1/2"	1"	2-3/4"
10-270C	8/C	2	3/8"	1/2"	1"	2-3/4"
10-275C	6-8-D2/C	2	3/8"	1/2"	1-1/4"	3"



**CNC plunge cutting bits** are specially designed to provide an economical means of cutting a wide variety of materials, at the high feed rates encountered in CNC routing.



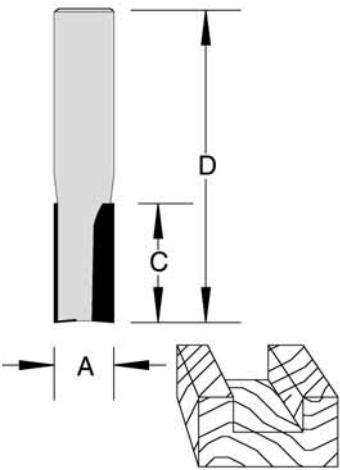


# CNC Plunge Cutting Router Bits

Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-280C	7-8-D2/C	2	7/16"	1/2"	1-1/4"	3"
10-283C	8-8-C1/C	1	1/2"	1/2"	1"	2-5/8"
10-285C	11/C	2	1/2"	1/2"	1"	2-5/8"
10-290C	8-8-D1/C	1	1/2"	1/2"	1-1/4"	2-7/8"
10-295C	12/C	2	1/2"	1/2"	1-1/4"	2-7/8"
10-300C	8-8-E1/C	1	1/2"	1/2"	1-1/2"	3-1/8"
10-305C	13/C	2	1/2"	1/2"	1-1/2"	3-1/8"
10-310C	14/C	2	1/2"	1/2"	1-1/2"	4-1/4"
10-315C	8-8-F1L/C	1	1/2"	1/2"	2"	4-1/4"
10-320C	15/C	2	1/2"	1/2"	2"	4-1/4"
10-325C	8-8-H2L/C	2	1/2"	1/2"	2-1/2"	4-1/2"
10-330C	9-8-D1/C	1	9/16"	1/2"	1-1/4"	2-7/8"
10-335C	9-8-D2/C	2	9/16"	1/2"	1-1/4"	2-7/8"
10-340C	16/C	2	5/8"	1/2"	1"	2-5/8"
10-345C	10-8-D1/C	1	5/8"	1/2"	1-1/4"	2-7/8"
10-350C	17/C	2	5/8"	1/2"	1-1/4"	2-7/8"
10-355C	18/C	2	5/8"	1/2"	1-1/2"	3-1/8"
10-360C	11-8-D2/C	2	11/16"	1/2"	1-1/4"	2-7/8"
10-365C	19/C	2	3/4"	1/2"	1"	2-5/8"
10-370C	20/C	2	3/4"	1/2"	1-1/4"	2-7/8"
10-375C	21/C	2	3/4"	1/2"	1-1/2"	3-1/8"
10-380C	12-1/2-8-D2/C	2	25/32"	1/2"	1-1/4"	2-3/4"
10-385C	13-8-D2/C	2	13/16"	1/2"	1-1/4"	2-7/8"
10-390C	14-8-D2/C	2	7/8"	1/2"	1-1/4"	2-7/8"
10-395C	16-8-D2/C	2	1"	1/2"	1-1/4"	2-7/8"
10-400C	20-8-D2/C	2	1-1/4"	1/2"	1-1/4"	2-7/8"
10-405C	24-8-D2/C	2	1-1/2"	1/2"	1-1/4"	2-7/8"
10-410C	28-8-D2/C	2	1-3/4"	1/2"	1-1/4"	2-7/8"
10-415C	32-8-D2/C	2	2"	1/2"	1-1/4"	2-7/8"
10-420C	12-12-D2/C	2	3/4"	3/4"	1-1/4"	3-1/4"
10-425C	12-12-F2/C	2	3/4"	3/4"	2"	4"
10-430C	12-12-F2L/C	2	3/4"	3/4"	2"	4-1/2"
10-435C	12-12-H2/C	2	3/4"	3/4"	2-1/2"	4-1/2"
10-440C	12-12-H2L/C	2	3/4"	3/4"	2-1/2"	5"

**CNC plunge cutting bits** are specially designed to provide an economical means of cutting a wide variety of materials, at the high feed rates encountered in CNC routing.



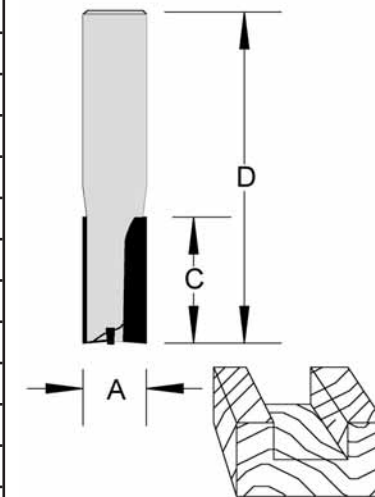
# Flat Bottom Plunge Cutting Router Bits

Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-325	8/FB	2	3/8"	1/2"	1"	2-3/4"
43-350	6-8-D2/FB	2	3/8"	1/2"	1-1/4"	3"
43-480	7-8-D2/FB	2	7/16"	1/2"	1-1/4"	3"
43-600	11/FB	2	1/2"	1/2"	1"	2-5/8"
43-642	12/FB	2	1/2"	1/2"	1-1/4"	2-7/8"
43-710	13/FB	2	1/2"	1/2"	1-1/2"	3-1/8"
43-726	14/FB	2	1/2"	1/2"	1-1/2"	4-1/4"
43-770	15/FB	2	1/2"	1/2"	2"	4-1/4"
43-815	8-8-H2L/FB	2	1/2"	1/2"	2-1/2"	4-1/2"
43-930	9-8-D2/FB	2	9/16"	1/2"	1-1/4"	2-7/8"
43-982	16/FB	2	5/8"	1/2"	1"	2-5/8"
43-991	17/FB	2	5/8"	1/2"	1-1/4"	2-7/8"
44-005	18/FB	2	5/8"	1/2"	1-1/2"	3-1/8"
44-107	11-8-D2/FB	2	11/16"	1/2"	1-1/4"	2-7/8"
44-165	19/FB	2	3/4"	1/2"	1"	2-5/8"
44-176	20/FB	2	3/4"	1/2"	1-1/4"	2-7/8"
44-190	21/FB	2	3/4"	1/2"	1-1/2"	3-1/8"
44-236	12-1/2-8-D2/FB	2	25/32"	1/2"	1-1/4"	2-3/4"
44-261	13-8-D2/FB	2	13/16"	1/2"	1-1/4"	2-7/8"
44-305	14-8-D2/FB	2	7/8"	1/2"	1-1/4"	2-7/8"
44-361	16-8-D2/FB	2	1"	1/2"	1-1/4"	2-7/8"
44-485	20-8-D2/FB	2	1-1/4"	1/2"	1-1/4"	2-7/8"
44-555	24-8-D2/FB	2	1-1/2"	1/2"	1-1/4"	2-7/8"
44-607	28-8-D2/FB	2	1-3/4"	1/2"	1-1/4"	2-7/8"
44-640	32-8-D2/FB	2	2"	1/2"	1-1/4"	2-7/8"

**Extra carbide cutting edge**

across the bottom of the bit provides an extremely smooth flat bottom cut, with increased tool life when routing hard materials.

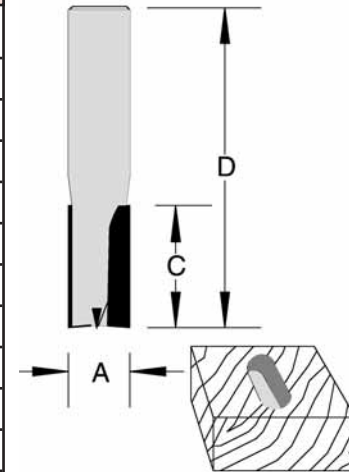




## Spade Front Plunge Cutting Router Bits

Carbide Tipped

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-320	8/SF	2	3/8"	1/2"	1"	2-3/4"
43-352	6-8-D2/SF	2	3/8"	1/2"	1-1/4"	3"
43-479	7-8-D2/SF	2	7/16"	1/2"	1-1/4"	3"
43-602	11/SF	2	1/2"	1/2"	1"	2-5/8"
43-640	12/SF	2	1/2"	1/2"	1-1/4"	2-7/8"
43-712	13/SF	2	1/2"	1/2"	1-1/2"	3-1/8"
43-727	14/SF	2	1/2"	1/2"	1-1/2"	4-1/4"
43-775	15/SF	2	1/2"	1/2"	2"	4-1/4"
43-814	8-8-H2L/SF	2	1/2"	1/2"	2-1/2"	4-1/2"
43-931	9-8-D2/SF	2	9/16"	1/2"	1-1/4"	2-7/8"
43-983	16/SF	2	5/8"	1/2"	1"	2-5/8"
43-992	17/SF	2	5/8"	1/2"	1-1/4"	2-7/8"
44-004	18/SF	2	5/8"	1/2"	1-1/2"	3-1/8"
44-108	11-8-D2/SF	2	11/16"	1/2"	1-1/4"	2-7/8"
44-166	19/SF	2	3/4"	1/2"	1"	2-5/8"
44-175	20/SF	2	3/4"	1/2"	1-1/4"	2-7/8"
44-191	21/SF	2	3/4"	1/2"	1-1/2"	3-1/8"
44-235	12-1/2-8-D2/SF	2	25/32"	1/2"	1-1/4"	2-3/4"
44-262	13-8-D2/SF	2	13/16"	1/2"	1-1/4"	2-7/8"
44-300	14-8-D2/SF	2	7/8"	1/2"	1-1/4"	2-7/8"
44-350	16-8-D2/SF	2	1"	1/2"	1-1/4"	2-7/8"
44-480	20-8-D2/SF	2	1-1/4"	1/2"	1-1/4"	2-7/8"
44-550	24-8-D2/SF	2	1-1/2"	1/2"	1-1/4"	2-7/8"
44-608	28-8-D2/SF	2	1-3/4"	1/2"	1-1/4"	2-7/8"
44-641	32-8-D2/SF	2	2"	1/2"	1-1/4"	2-7/8"



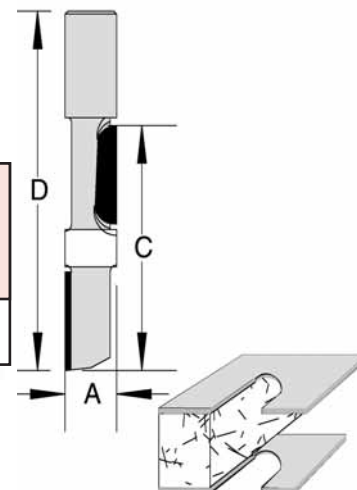
**Extra "V" point carbide tip**

across the bottom of the bit enables the tool to rapidly plunge all the way through hard materials.

## Stagger Tooth Panel Pilot Bit

Carbide Tipped – 2 Flutes with Center Pilot

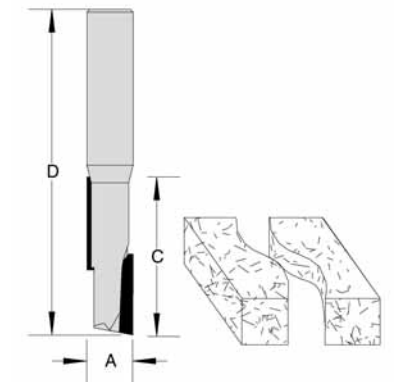
Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
14-715	STPP-8-8	2	1/2"	1/2"	2-13/16"	4-1/4"



## Stagger Tooth

Plunge Cutting Router Bits, Carbide Tipped – 2 Flutes

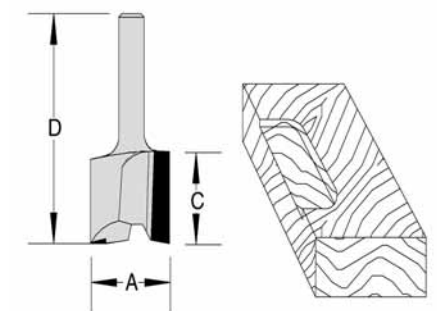
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-500	ST-4-4C	1/4"	1/4"	1"	2-1/4"
10-505	ST-6-6D	3/8"	3/8"	1-3/8"	3"
10-510	ST-6-8E	3/8"	1/2"	1-1/2"	3-1/8"
10-515	ST-8-8E	1/2"	1/2"	1-1/2"	3-1/8"
10-520	ST-8-8F	1/2"	1/2"	2"	4-1/4"
10-525	ST-8-8G	1/2"	1/2"	2-1/4"	4-1/2"



## Mortising Bits

Carbide Tipped – 2 Flutes

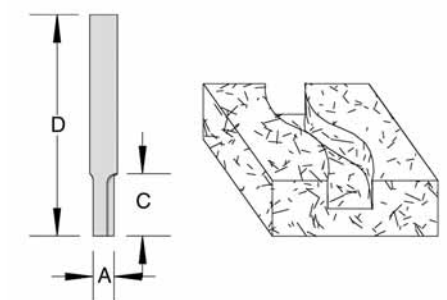
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-600	MB-8-4B	1/2"	1/4"	3/4"	1-3/4"
10-605	MB-10-4B	5/8"	1/4"	3/4"	2"
10-610	MB-12-4B	3/4"	1/4"	3/4"	2"



## Solid Carbide Straight Flute

Plunge Cutting Router Bits – 2 Flutes

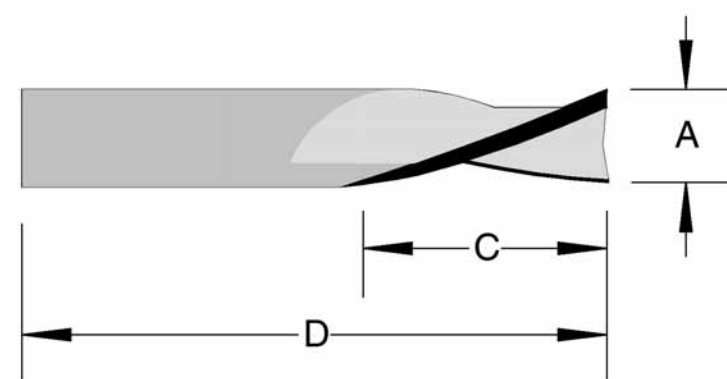
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-700	SCSF-2-2-A2	1/8"	1/8"	1/2"	1-1/2"
10-705	SCSF-3-3-B2	3/16"	3/16"	3/4"	2"
10-710	SCSF-2-4-A2	1/8"	1/4"	1/2"	2"
10-715	SCSF-3-4-A2	3/16"	1/4"	1/2"	2"
10-720	SCSF-4-4-B2	1/4"	1/4"	3/4"	2-1/2"
10-725	SCSF-4-4-C2	1/4"	1/4"	1"	2-1/2"





# Solid Carbide Spiral Shear Face

Plunge Cutting Router Bits 2 Flutes



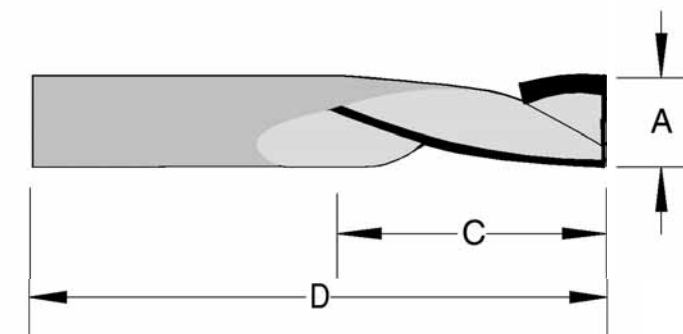
Comp No.	Stock No.	Shear Direction	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-800	SPUS-2-2-A2	Up	1/8"	1/8"	1/2"	1-1/2"
10-805	SPDS-2-2-A2	Down	1/8"	1/8"	1/2"	1-1/2"
10-810	SPUS-2-4-A2	Up	1/8"	1/4"	1/2"	2"
10-815	SPDS-2-4-A2	Down	1/8"	1/4"	1/2"	2"
10-820	SPUS-2-1/2-4-A2	Up	5/32"	1/4"	1/2"	2-1/2"
10-825	SPDS-2-1/2-4-A2	Down	5/32"	1/4"	1/2"	2-1/2"
10-830	SPUS-3-3-B2	Up	3/16"	3/16"	3/4"	2"
10-835	SPDS-3-3-B2	Down	3/16"	3/16"	3/4"	2"
10-840	SPUS-3-4-A2	Up	3/16"	1/4"	1/2"	2-1/2"
10-845	SPDS-3-4-A2	Down	3/16"	1/4"	1/2"	2-1/2"
10-850	SPUS-3-4-B2	Up	3/16"	1/4"	3/4"	2-1/2"
10-855	SPDS-3-4-B2	Down	3/16"	1/4"	3/4"	2-1/2"
10-860	SPUS-3-1/2-4-C2	Up	7/32"	1/4"	1"	2-1/2"
10-865	SPDS-3-1/2-4-C2	Down	7/32"	1/4"	1"	2-1/2"
10-870	SPUS-4-4-B2	Up	1/4"	1/4"	3/4"	2-1/2"
10-875	SPDS-4-4-B2	Down	1/4"	1/4"	3/4"	2-1/2"
10-880	SPUS-4-4-C2	Up	1/4"	1/4"	1"	2-1/2"
10-885	SPDS-4-4-C2	Down	1/4"	1/4"	1"	2-1/2"
10-890	SPUS-6-6-C2	Up	3/8"	3/8"	1"	2-1/2"
10-895	SPDS-6-6-C2	Down	3/8"	3/8"	1"	2-1/2"
10-900	SPUS-8-8-D2	Up	1/2"	1/2"	1-1/4"	3"
10-905	SPDS-8-8-D2	Down	1/2"	1/2"	1-1/4"	3"
10-910	SPUS-8-8-F2	Up	1/2"	1/2"	2"	4"
10-915	SPDS-8-8-F2	Down	1/2"	1/2"	2"	4"
10-920	SPUS-6-8-D2	Up	3/8"	1/2"	1-1/4"	3"
10-925	SPUS-8-8-E2	Up	1/2"	1/2"	1-1/2"	3-1/2"
10-930	SPDS-8-8-E2	Down	1/2"	1/2"	1-1/2"	3-1/2"

**Up cut Spiral**  
are best for grooving or slotting. Directs chips up towards the router.

**Down cut Spiral**  
are best for routing all the way through material when best finish is to be on the top side of the workpiece. Directs chips downward exerting a downforce on the workpiece for better hold down in fixtures.

# Solid Carbide Up – Down Compression Spiral Bits

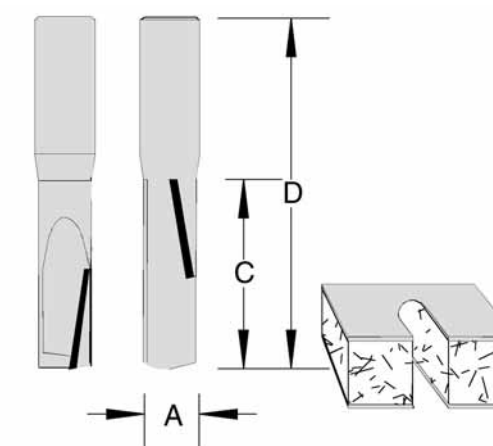
Plunge Cutting Router Bits



Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-940	SPUDS-4-4-C1	1	1/4"	1/4"	7/8"	2-1/2"
10-952	SPUDS-6-6-C2	2	3/8"	3/8"	1"	3"
10-960	SPUDS-8-8-C1	1	1/2"	1/2"	1-1/8"	3"
10-962	SPUDS-8-8-C2	2	1/2"	1/2"	1-1/8"	3"
10-967	SPUDS-8-8-D2	2	1/2"	1/2"	1-1/4"	3"
10-970	SPUDS-8-8-E1	1	1/2"	1/2"	1-5/8"	3-1/2"
10-972	SPUDS-8-8-E2	2	1/2"	1/2"	1-5/8"	3-1/2"

# Up/ Down Shear Angle Compression Stagger Tooth Router Bits

Carbide Tipped – 2 Flutes



Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
10-570	STS-8-8-E	1/2"	1/2"	1-1/2"	3-1/8"
10-580	STS-8-8-G	1/2"	1/2"	2-1/4"	4-1/4"

# Up/Down Compression Spirals

are specially designed to prevent tear-out on double faced laminates by directing the chip load towards the center of the substrate.

# Up/Down Compression Stagger Tooth Bits

offer similar benefits to the tools above, in a carbide tipped tool.

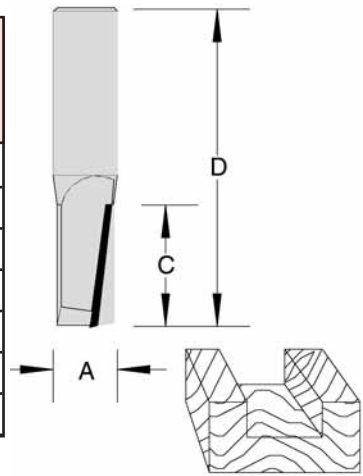




### Up-Shear Plunge Cutting Router Bits

Carbide Tipped — 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-304	8/UP	3/8"	1/2"	1"	2-3/4"
43-565	11/UP	1/2"	1/2"	1"	2-5/8"
43-647	12/UP	1/2"	1/2"	1-1/4"	2-7/8"
43-717	13/UP	1/2"	1/2"	1-1/2"	3-1/8"
43-755	15/UP	1/2"	1/2"	2"	4-1/4"
44-174	20/UP	3/4"	1/2"	1-1/4"	2-7/8"
44-357	16-8-D2/UP	1"	1/2"	1-1/4"	2-7/8"

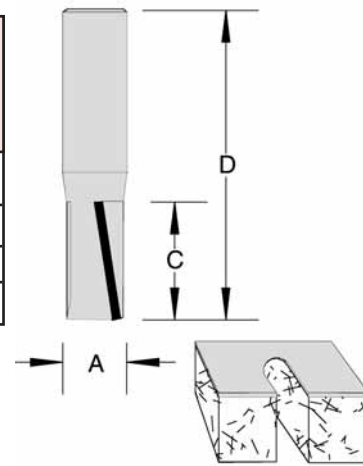


For deep slotting in hard woods, and man-made materials at high feed rates with increased tool life.

### Down-Shear Plunge Cutting Router Bits

Carbide Tipped — 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
43-307	8/DN	3/8"	1/2"	1"	2-3/4"
43-648	12/DN	1/2"	1/2"	1-1/4"	2-7/8"
43-718	13/DN	1/2"	1/2"	1-1/2"	3-1/8"
43-778	15/DN	1/2"	1/2"	2"	4-1/4"

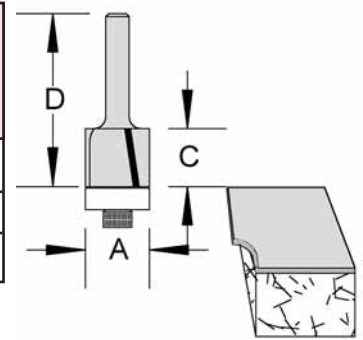


For smoother cuts and cleaner edges on laminated boards, directs chips downward.

### Helix Flush Trim Router Bits

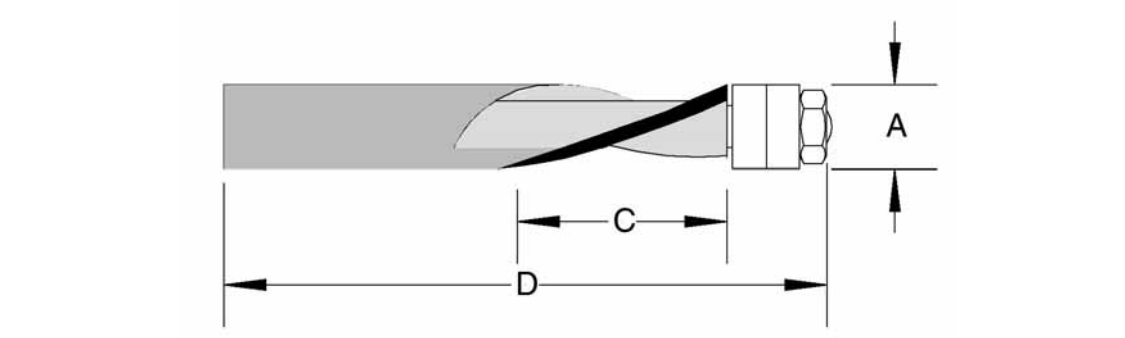
Carbide Tipped — 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
14-200	WHEOO-12-4	3/4"	1/4"	5/8"	2"
14-205	WHEEO-12-8	3/4"	1/2"	5/8"	2"
12-165	B-15	Replacement Ball Bearing Guide			



### Solid Carbide Spiral Flush Trim Bits

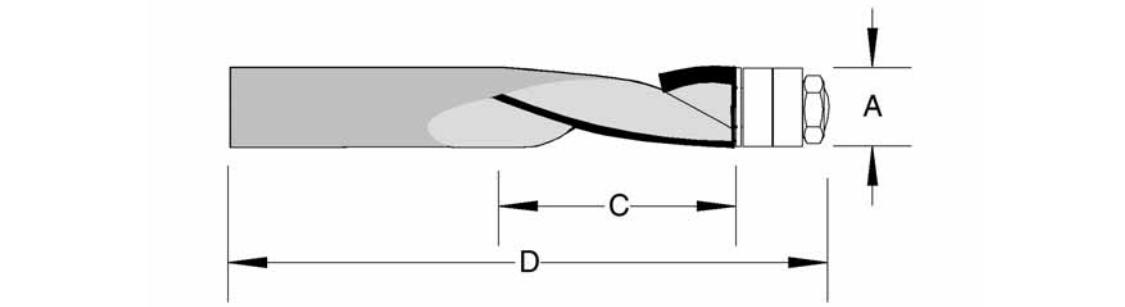
2 Flutes — with Double Ball Bearing Guide



Comp No.	Stock No.	Shear Direction	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
14-300	SPUS-8-8-D2BB	Up	1/2"	1/2"	1-1/4"	3-3/4"
14-310	SPDS-8-8-D2BB	Down	1/2"	1/2"	1-1/4"	3-3/4"
14-320	SPUS-8-8-E2BB	Up	1/2"	1/2"	1-1/2"	4-3/4"
14-330	SPDS-8-8-E2BB	Down	1/2"	1/2"	1-1/2"	4-3/4"
14-340	SPUS-8-8-F2BB	Up	1/2"	1/2"	2"	4-3/4"
14-350	SPDS-8-8-F2BB	Down	1/2"	1/2"	2"	4-3/4"
12-145	B – 11	Replacement Ball Bearing Guide				

### Solid Carbide Up/ Down Compression Spiral Flush Trim Bits

2 Flutes — with Double Ball Bearing Guide



Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
14-365	SPUDS-8-8-D2BB	2	1/2"	1/2"	1-1/4"	3-3/4"
14-370	SPUDS-8-8-E2BB	2	1/2"	1/2"	1-1/2"	4-3/4"
14-375	SPUDS-8-8-F2BB	2	1/2"	1/2"	2"	4-3/4"
12-145	B – 11	Replacement Ball Bearing Guide				



### Up-Shear Spiral Flush Trim

bits offer superior finish on wood,mdf, and solid surface with the stability of double ball bearing guides.

### Down-Shear Spiral Flush Trim

bits are best suited for trimming laminates, veneers or materials that require that the top side edges be chip free.

### Up/Down Compression Spiral Flush Trim

bits are best suited for trimming double sided laminates, veneers, etc. where chip free edges on both sides of the work piece are required.



## Shear Face Flush Trim Router Bits

Carbide Tipped — 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	Shear	A Cutting Diameter	Shank Diameter	C Cutting Length
47-105	27B/DN	Down	1/2"	1/4"	1"
47-113	11B/DN	Down	1/2"	1/2"	1"
47-130	12-8-E2B/UP	Up	3/4"	1/2"	1-1/2"
47-134	12-8-F2B/UP	Up	3/4"	1/2"	2"
47-136	12-8-E2B/DN	Down	3/4"	1/2"	1-1/2"
47-138	12-8-F2B/DN	Down	3/4"	1/2"	2"

### Replacement Ball Bearing Guides

12-145	B-11	For 1/2" cutting diameter bits
12-165	B-15	For 3/4" cutting diameter bits

### Up Cut Shear Face Flush Trim

bits are designed for smooth vibration free cuts in hardwoods and man made materials.

### Down Cut Shear Face Flush Trim

bits eliminate chipping on face of laminates, plywood veneers etc.

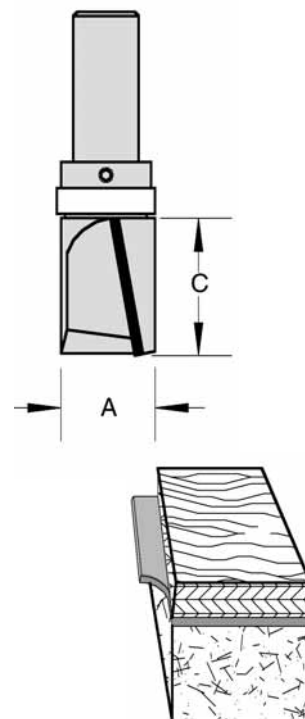
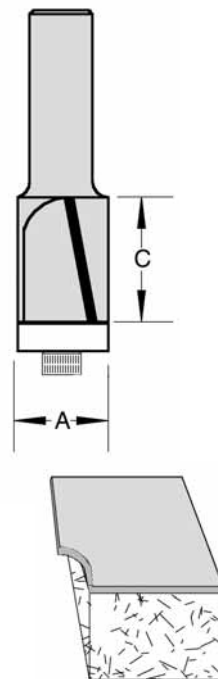
## Down-Shear Template Router Bits

Carbide Tipped — 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	Shear	A Cutting Diameter	Shank Diameter	C Cutting Length
14-450	12-8B-D2/DN	Down	3/4"	1/2"	1-1/4"
14-455	12-8B-E2/DN	Down	3/4"	1/2"	1-1/2"
14-458	12-8B-F2/DN	Down	3/4"	1/2"	2"
12-173	B-21	Replacement Ball Bearing Guide			

### Down Shear Template Flush Trim

bits are for use with top mounted pattern templates. They eliminate unsightly tear out on the edges of laminates, plywood veneers etc.



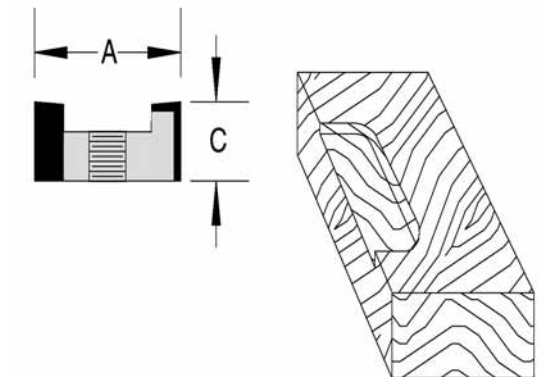
## Lock Mortising Bits

Screw Type 1/4-28 Thread, Carbide Tipped – 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	C Cutting Length
11-100	MB-12	3/4"	1/2"
11-105	MB-13	13/16"	1/2"
11-110	MB-14	7/8"	1/2"
11-115	MB-15	15/16"	1/2"
11-120	MB-16	1"	1/2"
11-123	MB-17	1-1/16"	9/16"
11-125	MB-18	1-1/8"	9/16"
11-130	MB-20	1-1/4"	5/8"

### ARBORS FOR ABOVE

13-130	A-7	1/4" diameter shank
13-135	A-8	1/2" diameter shank



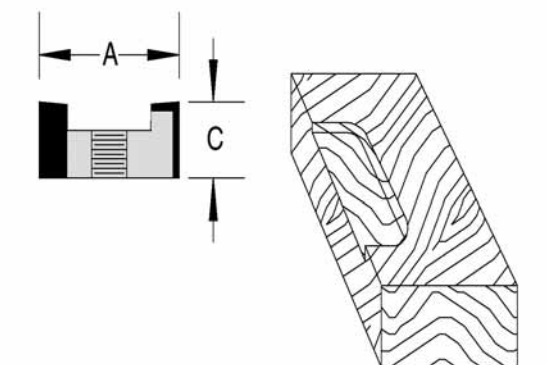
## Lock Mortising Bit

Screw Type 5/16-24 Thread, Carbide Tipped – 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	C Cutting Length
11-135	MB-220	1-1/4"	5/8"

### ARBORS FOR ABOVE

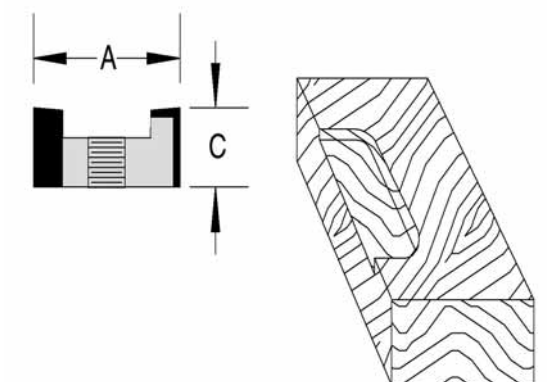
13-150	A-11	1/4" diameter shank
13-155	A-12	1/2" diameter shank



## Lock Mortising Bits

Screw Type 12-32 Thread, Carbide Tipped – 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	C Cutting Length
11-140	MB-483	15/16"	1/2"
11-145	MB-484	1"	1/2"
11-150	MB-485	1-1/4"	1/2"



### Steel Ball Bearing Guides

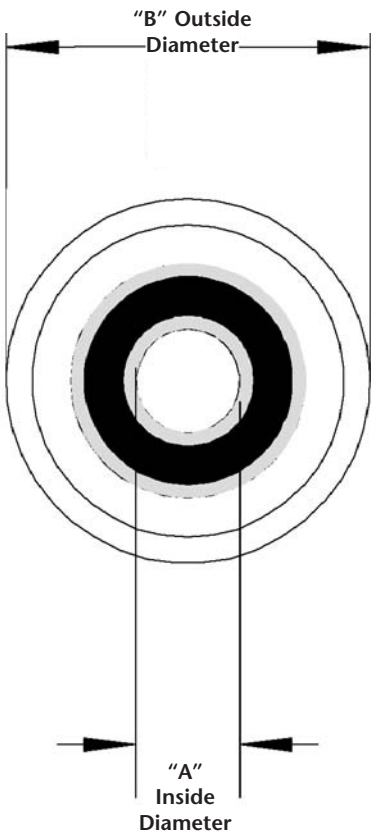
For general use as replacement bearings. Use where bearing contact on material surface is not critical.

Comp No.	Stock No.	A Inside Diameter	B Outside Diameter
12-100	B-2	5/16"	1/2"
12-105	B-3	5/16"	5/8"
12-110	B-4	5/16"	3/4"
12-115	B-5	1/4"	3/8"
12-120	B-6	1/4"	1/2"
12-125	B-7	1/8"	1/4"
12-130	B-8	1/8"	1/2"
12-135	B-9	3/16"	3/8"
12-140	B-10	1/8"	3/8"
12-145	B-11	3/16"	1/2"
12-150	B-12	5/16"	.865"
12-155	B-13	5/16"	.945"
12-160	B-14	1/4"	5/8"
12-165	B-15	1/4"	3/4"
12-169	B-17	5MM	16MM
12-170	B-18	1/2"	1-1/8"
12-171	B-19	3/8"	7/8"
12-172	B-20	1/2"	7/8"
12-173	B-21	1/2"	3/4"
12-174	B-24	15MM	24MM
12-175	B-16	1/2"	1"

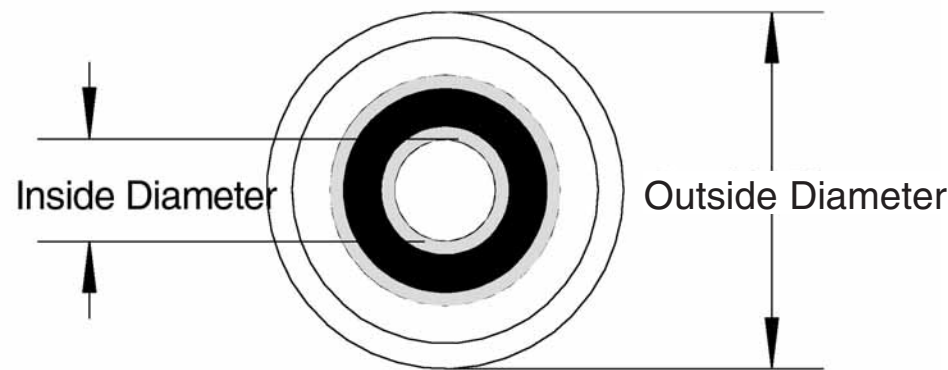
### Nylon Bushed Ball Bearing Guides

Used on slotting cutter assemblies to control depth of cut in material

Comp No.	Stock No.	A Inside Diameter	B Outside Diameter
12-551	VT16-5	5/16"	1"
12-552	VT18-5	5/16"	1-1/8"
12-553	VT20-5	5/16"	1-1/4"
12-554	VT22-5	5/16"	1-3/8"
12-555	VT23-5	5/16"	1-7/16"
12-556	VT24-5	5/16"	1-1/2"
12-557	VT26-5	5/16"	1-5/8"
12-558	VT28-5	5/16"	1-3/4"
12-559	VT30-5	5/16"	1-7/8"
12-560	VT32-5	5/16"	2"



### Vel-Vet Touch™ Bearing Guide



Comp No.	Stock No.	Inside Diameter	Outside Diameter	Degrees	Replacement Screw
12-195	VT-195	1/4"	1"	-----	12-832
12-307	VTA-8-3	3/16"	1/2"	-----	12-825
12-324	VT-324	1/4"	13/16"	-----	12-837
12-340	VT-12-4	1/4"	3/4"	-----	12-837
12-365	VT-14-4	1/4"	7/8"	-----	12-837
12-390	VT-16-4	1/4"	1"	-----	12-837
12-395	VT-12-5°	1/4"	3/4"	5°	12-837
12-405	VT-12-10°	1/4"	3/4"	10°	12-837
12-425	VT-15-5°	1/4"	15/16"	5°	12-837
12-485	VT-14-5°	1/4"	7/8"	5°	12-837
12-495	VT-14-15°	1/4"	7/8"	15°	12-837
12-510	VT-14-10°	1/4"	7/8"	10°	12-837
12-515	VT-16-5°R	1/4"	1"	5°	12-837
12-517	VT-16-7°R	1/4"	1"	7°	12-837
12-520	VT-16-5°	1/4"	1"	5°	12-837
12-525	VT-16-10°	1/4"	1"	10°	12-837
12-535	VT-835	1/4"	15/16"	-----	12-832
12-536	VT-836	1/4"	15/16"	-----	12-832
12-540	VT-16-30°	1/4"	1"	30°	12-832
12-545	VT-24/B-18	1/2"	1-1/2"	-----	-----
12-550	VT-30/B-18	1/2"	1-1/2"	30°	-----
12-606	VT-606	1/4"	15/16"	-----	12-837
12-607	VT-607	1/4"	15/16"	-----	12-837

**Note:** 12-307 is an assembly that includes a B-9 ball bearing and high hat steel bushing

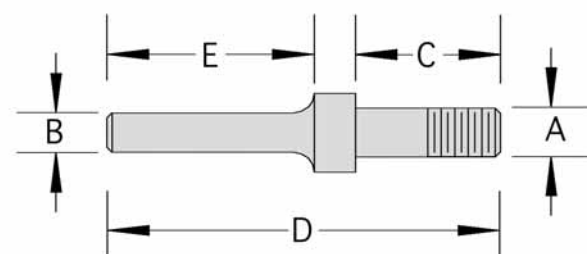


VEL-VET TOUCH™ bearing guides are designed not to mark or scratch the surface of the material. Suggested applications are Solid Surfaces, High Gloss Laminates or on any surface that is easily scratched.



# Router Cutter Arbors

with Nut and Washer

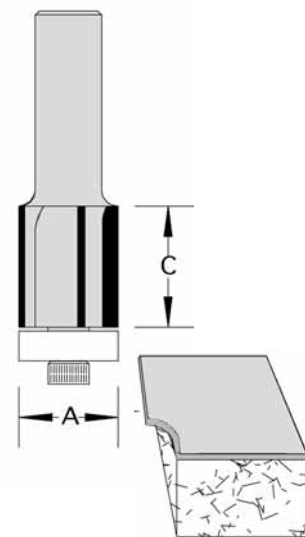


Comp No.	Stock No.	A Arbor Diameter	B Shank Diameter	C Arbor Length	D Overall Length	E Shank Length	Thread Size
13-100	A-1	5/16"	1/4"	7/8"	2-3/8"	1-1/4"	-----
13-105	A-2	5/16"	3/8"	7/8"	2-3/8"	1-1/4"	-----
13-110	A-3	5/16"	1/2"	7/8"	2-3/8"	1-1/2"	-----
13-115	A-4	5/16"	1/4"	11/16"	2-1/8"	1"	-----
13-120	A-5	5/16"	1/2"	11/16"	2"	1-3/8"	-----
13-125	A-6	1/4"	1/4"	7/8"	2-3/8"	1-1/4"	-----
13-130	A-7	1/4"	1/4"	1/4"	1-3/4"	1-3/8"	1/4-28
13-135	A-8	1/4"	1/2"	1/4"	2-3/8"	2-1/8"	1/4-28
13-140	A-9	1/4"	1/4"	1"	2-1/4"	1-1/8"	-----
13-145	A-10	1/4"	1/2"	1"	2-1/2"	1-1/2"	-----
13-150	A-11	5/16"	1/4"	1/4"	1-3/4"	1-3/8"	5/16-24
13-155	A-12	5/16"	1/2"	1/4"	1-3/4"	1-1/2"	5/16-24
13-160	A-13	5/16"	1/2"	1-1/2"	3"	1-1/2"	-----
13-165	A-14	5/16"	1/2"	2-1/16"	3-9/16"	1-1/2"	-----

# Four Flute Flush Trim Router Bits

Carbide Tipped – with Ball Bearing Guide

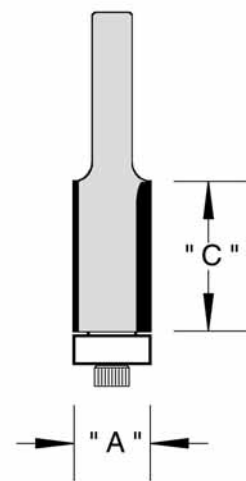
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
45-210	19B/4FL	3/4"	1/2"	1"
45-215	20B/4FL	3/4"	1/2"	1-1/4"
45-220	21B/4FL	3/4"	1/2"	1-1/2"
45-225	22B/4FL	3/4"	1/2"	1-3/4"
12-165	B-15	Replacement Ball Bearing Guide		
12-340	VT-12-4	VEL-VET TOUCH™ Bearing Guide		



# Flush Trim Bits

Carbide Tipped - with Ball Bearing Guide

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	Number of Bearings
14-020	24BD	2	3/8"	1/4"	1-1/4"	1
14-040	6-6-D2B	2	3/8"	3/8"	1-1/4"	1
14-042	6-6-G2B	2	3/8"	3/8"	2-1/4"	1
14-050	8B	2	3/8"	1/2"	1"	1
14-055	8BB	2	3/8"	1/2"	1"	2
14-065	12B	2	1/2"	1/2"	1-1/4"	1
14-070	16B	2	5/8"	1/2"	1"	1
14-075	17B	2	5/8"	1/2"	1-1/4"	1
14-080	18B	2	5/8"	1/2"	1-1/2"	1
14-100	4-4-A2B	2	1/4"	1/4"	1/2"	1
14-105	4-4-B2B	2	1/4"	1/4"	3/4"	1
14-110	4-4-C2B	2	1/4"	1/4"	1"	1
14-112	4-4-D2B	2	1/4"	1/4"	1-1/4"	1
14-115	24B2	2	3/8"	1/4"	1/2"	1
14-120	24B	2	3/8"	1/4"	1"	1
14-125	27B2	2	1/2"	1/4"	1/2"	1
14-130	27B	2	1/2"	1/4"	1"	1
14-134	12-4-B2B	2	3/4"	1/4"	3/4"	1
14-135	25B	2	1/2"	3/8"	1"	1
14-138	4-8-C2B	2	1/4"	1/2"	1"	1
14-140	11B2	2	1/2"	1/2"	1/2"	1
14-145	11B	2	1/2"	1/2"	1"	1
14-146	11BB	2	1/2"	1/2"	1"	2
14-150	13B	2	1/2"	1/2"	1-1/2"	1
14-155	13BB	2	1/2"	1/2"	1-1/2"	2
14-160	15B	2	1/2"	1/2"	2"	1
14-165	15BB	2	1/2"	1/2"	2"	2
14-170	103B2	3	1/2"	1/4"	1/2"	1
14-175	103B	3	1/2"	1/4"	1"	1
14-180	113B2	3	1/2"	1/2"	1/2"	1
14-185	113B	3	1/2"	1/2"	1"	1
14-186	113BB	3	1/2"	1/2"	1"	2
14-190	133B	3	1/2"	1/2"	1-1/2"	1
14-195	133BB	3	1/2"	1/2"	1-1/2"	2
14-196	8-8-H2B	2	1/2"	1/2"	2-1/2"	1
14-199	8-8-H2BB	2	1/2"	1/2"	2-1/2"	2
14-201	8-8-H3B	3	1/2"	1/2"	2-1/2"	1
14-208	10-8-F2B	2	5/8"	1/2"	2"	1
14-209	10-8-H2B	2	5/8"	1/2"	2-1/2"	1
14-210	19B	2	3/4"	1/2"	1"	1
14-215	20B	2	3/4"	1/2"	1-1/4"	1
14-220	21B	2	3/4"	1/2"	1-1/2"	1
14-225	22B	2	3/4"	1/2"	1-3/4"	1
14-228	12-8-F2B	2	3/4"	1/2"	2"	1
14-230	153B	3	1/2"	1/2"	2"	1
14-231	153BB	3	1/2"	1/2"	2"	2
14-260	183B	3	5/8"	1/2"	1-1/2"	1



# Replacement Ball Bearing Guides

Highlighted numbers available with VEL-VET TOUCH™ bearing- Add VT to stock number and go up 2 comp numbers. Example: 27BVT – 14-132

Comp No.	Stock No.
12-125	B-7
For 1/4" cutting diameter bits.	
12-140	B-10
For 3/8" cutting diameter bits.	
12-145	B-11
For 1/2" cutting diameter bits.	
12-160	B-14
For 5/8" cutting diameter bits.	
12-165	B-15
For 3/4" cutting diameter bits.	

## Template Flush Trim Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
14-442	6-4B-A2	3/8"	1/4"	1/2"
14-445	6-4B-B2	3/8"	1/4"	3/4"
14-447	6-4B-C2	3/8"	1/4"	1"
14-400	8-4B-A2	1/2"	1/4"	1/2"
14-405	8-4B-B2	1/2"	1/4"	3/4"
14-410	8-4B-C2	1/2"	1/4"	1"
14-415	10-4B-B2	5/8"	1/4"	3/4"
14-420	12-4B-B2	3/4"	1/4"	3/4"

### Replacement Ball Bearing Guides

12-115	B-5	For 3/8" cutting diameter bits
12-120	B-6	For 1/2" cutting diameter bits
12-160	B-14	For 5/8" cutting diameter bits
12-165	B-15	For 3/4" cutting diameter bits

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
14-422	12-8B-C2	3/4"	1/2"	1"
14-423	12-8B-D2	3/4"	1/2"	1-1/4"
14-421	12-8B-E2	3/4"	1/2"	1-1/2"
14-437	12-8B-F2	3/4"	1/2"	2"
14-424	16-8B-EE2	1"	1/2"	1-3/4"
14-425	18-8B-D2	1-1/8"	1/2"	1-1/4"
14-430	18-8B-E2	1-1/8"	1/2"	1-1/2"
14-435	18-8B-F2	1-1/8"	1/2"	2"

### Replacement Ball Bearing Guides

12-173	B-21	For 3/4" cutting diameter bits
12-175	B-16	For 1" cutting diameter bits
12-170	B-18	For 1-1/8" cutting diameter bits

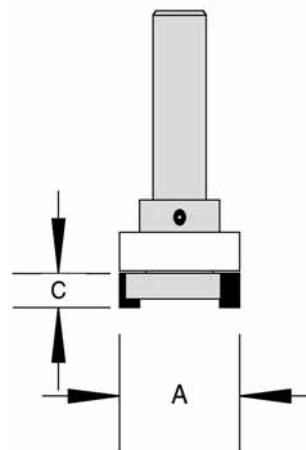
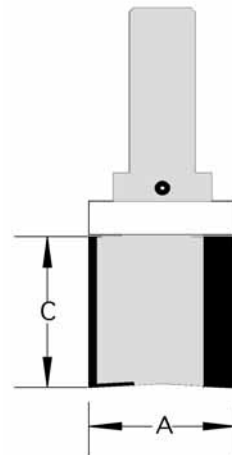
## Dado Cleanout Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
14-460	DC-8-4	1/2"	1/4"	1/8"
14-465	DC-10-4	5/8"	1/4"	1/8"
14-470	DC-12-4	3/4"	1/4"	1/8"

### Replacement Ball Bearing Guides

12-120	B-6	For 1/2" cutting diameter bits
12-160	B-14	For 5/8" cutting diameter bits
12-165	B-15	For 3/4" cutting diameter bits



## Glue Well Flush Trim Router Bits

Carbide Tipped with Ball Bearing Guide

Glue Well Patent No. 5,352,072

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	Number of Bearings
14-118	24B2/GW	2	3/8"	1/4"	1/2"	1
14-118A	24BB2/GW	2	3/8"	1/4"	1/2"	2
14-123	24B/GW	2	3/8"	1/4"	1"	1
14-128	27B2/GW	2	1/2"	1/4"	1/2"	1
14-128A	27BB2/GW	2	1/2"	1/4"	1/2"	2
14-133	27B/GW	2	1/2"	1/4"	1"	1
14-143	11B2/GW	2	1/2"	1/2"	1/2"	1
14-143A	11BB2/GW	2	1/2"	1/2"	1/2"	2
14-148	11B/GW	2	1/2"	1/2"	1"	1
14-173	103B2/GW	3	1/2"	1/4"	1/2"	1
14-173A	103BB2/GW	3	1/2"	1/4"	1/2"	2
14-183	113B2/GW	3	1/2"	1/2"	1/2"	1
14-183A	113BB2/GW	3	1/2"	1/2"	1/2"	2
12-145	B-11	Replacement Steel Ball bearing Guide				
12-307	VTA-8-3	Replacement VEL-VET TOUCH Bearing Guide				

## Glue Well V Groove Router Bits

Carbide Tipped with Ball Bearing Guide

Glue Well Patent No. 5,352,072

Comp No.	Stock No.	Flutes	A Cutting Diameter	Shank Diameter	C Cutting Length	Number of Bearings
14-603	V-27B/GW	2	1/2"	1/4"	1"	1
12-145	B-11	Replacement Steel Ball bearing Guide				
12-307	VTA-8-3	Replacement VEL-VET TOUCH™ Bearing Guide				

## Glue Well Bevel Trim Router Bits

Carbide Tipped with Ball Bearing Guide

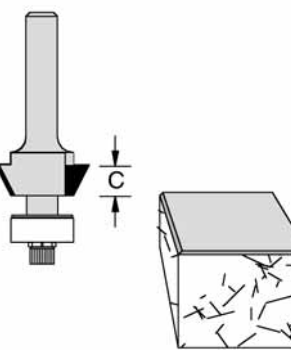
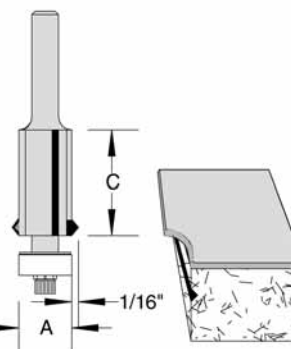
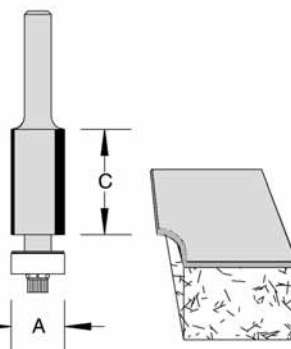
Glue Well Patent No. 5,352,072

Comp No.	Stock No.	Flutes	Bevel	Shank Diameter	C Cutting Length
16-208	BV-1/GW	2	15°	1/4"	1/4"
16-218	BV-3/GW	2	25°	1/4"	1/4"
12-145	B-11	Replacement Ball Bearing Guide			
12-307	VTA-8-3	Replacement VEL-VET TOUCH™ Guide			



Contact cement adhering to the guide bearing is the No. 1 cause of bearing failure on a trim bit. The Glue -Well design solves this problem by helping to keep the bearing free of adhesive.

The specially designed bit allows the glue to collect in the well allowing the bearing to keep turning freely. This saves on bearings and increases productivity.







### Lama Trim Bits™

*Carbide Tipped — 1/4" Shank Diameter,  
2 Flutes with Ball Bearing Guide*

## NEW DESIGN FILING BITS ELIMINATES HAND FILING OF BOTH VERTICAL AND HORIZONTAL LAMINATED MICA

### Vertical Post Form Laminates

*.025\_ - .038\_ THICK MICA (VGP & HGP)*

Comp No.	Stock No.
16-330	LTB-30-4
<i>Replacement Bearing</i>	
12-141	White Bearing

### For Trimming Horizontal Standard Laminates

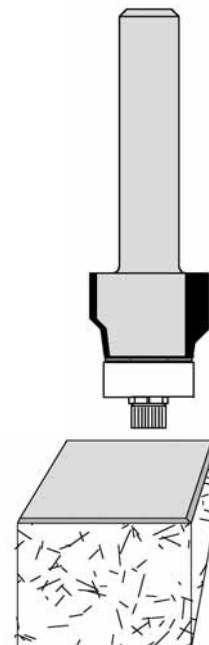
*.040\_ - .052\_ THICK MICA (Color Core & HGS)*

Comp No.	Stock No.
16-355	LTB-55-4
<i>Replacement Bearing</i>	
12-143	Blue Bearing

### Lama Trim Bits™ Kit

*For Fabricators using both Vertical and Horizontal Laminates.  
Kit consists of one Lama Trim Bit with Blue Bearing mounted for Horizontal  
Mica; one White Bearing for Vertical Mica; one Allen wrench and one cap screw.*

Comp No.	Stock No.
16-360	LTB-VH-4



### Bearing Saver Lama Trim Bits™

*Carbide Tipped — 1/4" Shank Diameter,  
2 Flutes with Glue Well and Ball Bearing Guide*

## NEW DESIGN FILING BITS ELIMINATES HAND FILING OF BOTH VERTICAL AND HORIZONTAL LAMINATED MICA

*Glue Well Patent No. 5,352,072*

### Vertical Post Form Laminates

*.025" - .038" THICK MICA (VGP & HGP)*

Comp No.	Stock No.
16-331	LTB-30-4/GW
<i>Replacement Bearing</i>	
12-141	White Bearing

### For Trimming Horizontal Standard Laminates

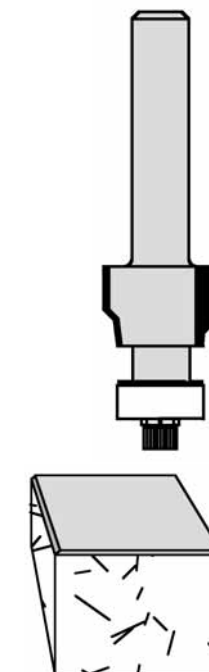
*.040"- .052" THICK MICA (Color Core & HGS)*

Comp No.	Stock No.
16-356	LTB-55-4/GW
<i>Replacement Bearing</i>	
12-143	Blue Bearing

### Bearing Saver Lama Trim Bit™ Kit

*For Fabricators using both Vertical and Horizontal Laminates.  
Kit consists of one Lama Trim Bit with Blue Bearing mounted for  
Horizontal Mica; one White Bearing for Vertical Mica; one Allen wrench  
and one cap screw.*

Comp No.	Stock No.
16-361	LTB-VH-4/GW



**NOTE:** To get maximum results from a Lama Trim Bit it is recommended that you have a good fixed base router so that the bit will be perpendicular to the base at all times, otherwise the cut will be inconsistent as the base changes position with the material being cut. Flush cut the mica overhang with a flush trim bit rather than the Lama Trim Bit. Using the flush trim bit first will guarantee your Lama Trim Bit will cut the maximum linear footage possible. If you wish to eliminate the flush cut operation, make a second pass with the Lama Trim Bit for additional smoothness and accuracy. The procedure for setting up the Lama Trim Bit is to look at both flutes and determine which bevel appears to look closer to the bearing. That is the bevel that you want to set up on. Make sure that you clean the edge before using the Lama Trim Bit. This will eliminate any transfer or contamination from the edge to the laminated top which might lead to a bumpy finish.

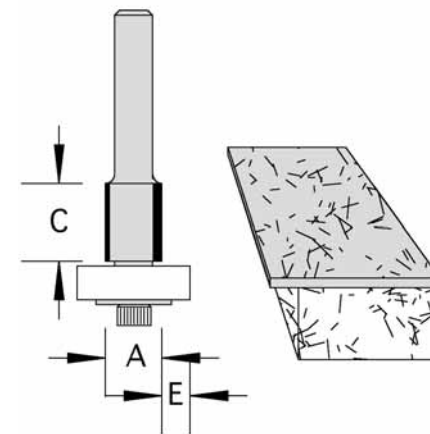
**NOTE:** To get maximum results from a Lama Trim Bit it is recommended that you have a good fixed base router so that the bit will be perpendicular to the base at all times, otherwise the cut will be inconsistent as the base changes position with the material being cut. Flush cut the mica overhang with a flush trim bit rather than the Lama Trim Bit. Using the flush trim bit first will guarantee your Lama Trim Bit will cut the maximum linear footage possible. If you wish to eliminate the flush cut operation, make a second pass with the Lama Trim Bit for additional smoothness and accuracy. The procedure for setting up the Lama Trim Bit is to look at both flutes and determine which bevel appears to look closer to the bearing. That is the bevel that you want to set up on. Make sure that you clean the edge before using the Lama Trim Bit. This will eliminate any transfer of contamination from the edge to the laminated top which might lead to a bumpy finish.

## Overhang Trim Bits

Carbide Tipped - 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	E Overhang
14-500	24B2/B-14	3/8"	1/4"	1/2"	1/8"
14-505	24B2/B-15	3/8"	1/4"	1/2"	3/16"
14-510	24B/B-14	3/8"	1/4"	1"	1/8"
14-515	24B/B-15	3/8"	1/4"	1"	3/16"
<b>Replacement Ball Bearing Guides</b>					
12-160	B-14				For 1/8" Overhang
12-165	B-15				For 3/16" Overhang

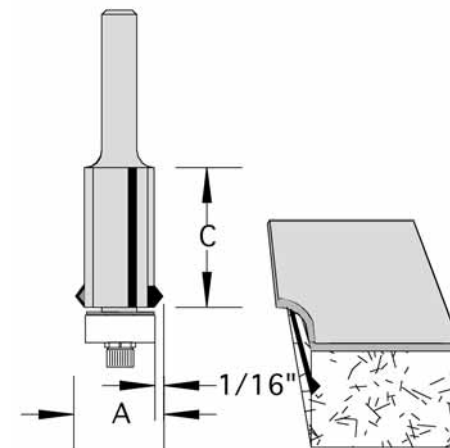
Additional diameter and overhang sizes available upon request



## Flush Trim "V" Groove Bits

Carbide Tipped - 2 Flutes with Ball Bearing Guide

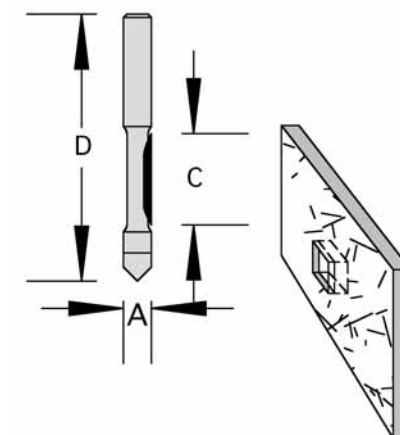
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
14-600	V-27B	5/8"	1/4"	1"
14-605	V-11B	5/8"	1/2"	1"
12-145	B-11			<b>Replacement Ball Bearing Guide</b>
12-307	VTA-8-3			<b>VEL-VET TOUCH™ Bearing Guide</b>



## Panel Pilot Bits

Carbide Tipped - 1 Flute

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
14-700	PP-4-4	1/4"	1/4"	13/16"	2-3/8"
14-705	PP-6-6	3/8"	3/8"	1"	3-1/8"
14-710	PP-8-8	1/2"	1/2"	1-3/16"	3-1/2"

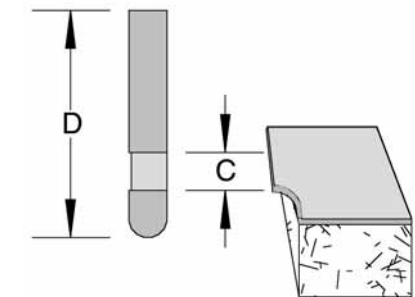


## Solid Carbide Flush Panel Pilot Bit

1 Flute

Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
14-800	SU-408	1/4"	1/4"	1-1/2"
14-802	SU-407	1/4"	1/4"	1-7/16"
14-803	SU-375	1/4"	3/8"	1-1/2"

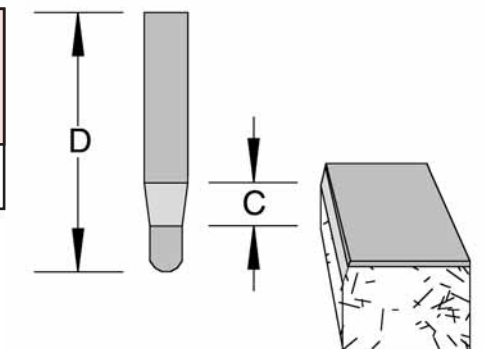
**NOTE:** COMP NO. 14-802 SAME AS 14-800  
EXCEPT WITH SHORTER PILOT FOR DADO TRIMMING.



## Solid Carbide Bevel Panel Pilot Bit

7° Angle - 1 Flute

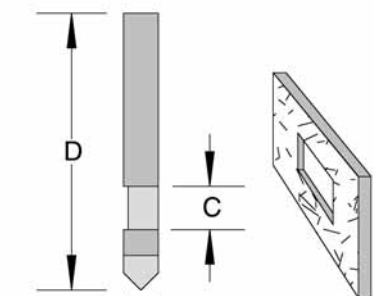
Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
14-805	SUB-408	1/4"	1/4"	1-1/2"



## Solid Carbide Plunge Cut & Flush Trim Bit

1 Flute

Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
14-810	SUP-408	1/4"	5/16"	2"

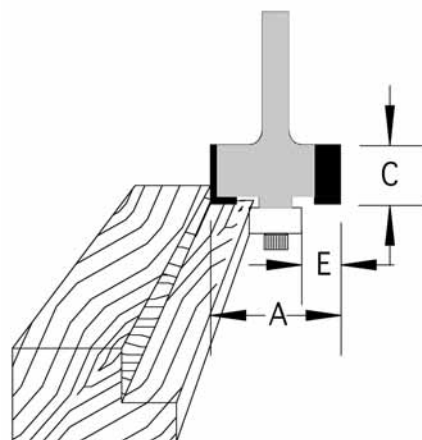




## Rabbeting Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	E Depth of Rabbet
15-100	RT-4-4	1"	1/4"	1/2"	1/4"
15-105	RT-4-8	1"	1/2"	1/2"	1/4"
15-110	RT-6-4	1-1/4"	1/4"	1/2"	3/8"
15-115	RT-6-8	1-1/4"	1/2"	1/2"	3/8"
15-120	RT-8-4	1-3/8"	1/4"	1/2"	1/2"
15-125	RT-8-8	1-1/2"	1/2"	3/4"	1/2"
15-135	RT-10-8	1-3/4"	1/2"	7/8"	5/8"
15-140	RT-12-8	2"	1/2"	1"	3/4"
15-145	RT-16-8	2-1/2"	1/2"	1"	1-1/16"
12-145	B-11	Replacement Ball Bearing Guide			
12-135	B-9	Replacement Bearing for 15-120 (RT-8-4)			

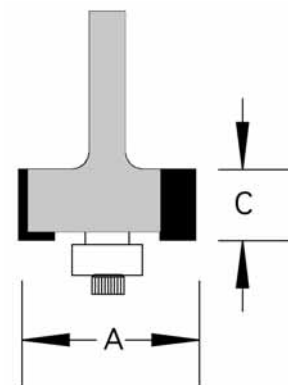


## Multi - Depth Rabbeting Bit

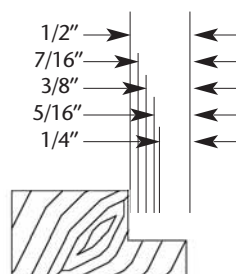
Carbide Tipped – 2 Flutes with Ball Bearing Guide

Five Different Depths of Rabbet  
1/4" 5/16" 3/8" 7/16" 1/2"

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
15-150	MDRT-48-4	1-1/4"	1/4"	1/2"
15-155	MDRT-48-8	1-1/4"	1/2"	1/2"
12-125	B-7	For 1/2" Depth of Rabbet		
12-135	B-9	For 7/16" Depth of Rabbet		
12-145	B-11	For 3/8" Depth of Rabbet		
12-160	B-14	For 5/16" Depth of Rabbet		
12-165	B-15	For 1/4" Depth of Rabbet		



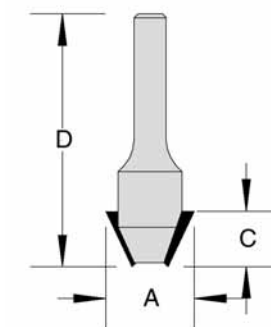
Included: 5 bearings, "T" bushings  
Hex Wrench, and Screws



## Bevel Trim Bits

Carbide Tipped – 2 Flutes

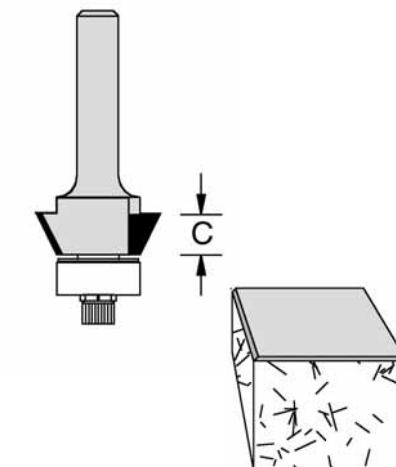
Comp No.	Stock No.	Bevel	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
16-100	V-1	15°	17/32"	1/4"	1/2"	2"
16-105	V-2	15°	17/32"	1/2"	1/2"	2"
16-110	V-3	25°	21/32"	1/4"	1/2"	2"
16-115	V-4	25°	21/32"	1/2"	1/2"	2"
16-120	V-5	45°	3/4"	1/4"	5/16"	1-7/8"
16-125	V-6	45°	3/4"	1/2"	5/16"	1-7/8"



## Bevel Trim Bits

Carbide Tipped — 2 Flutes with Ball Bearing Guide

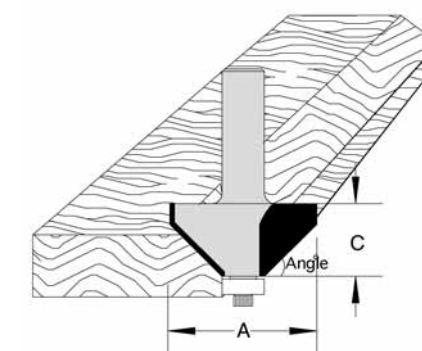
Comp No.	Stock No.	Flutes	Bevel	Shank Diameter	C Cutting Length
16-200	BV-7	3	7°	1/4"	3/8"
16-205	BV-1	2	15°	1/4"	1/4"
16-210	BV-6	3	23°	1/4"	3/8"
16-215	BV-3	2	25°	1/4"	1/4"
16-220	BV-5	2	45°	1/4"	1/4"
12-145	B-11	Replacement Bearing for 2 Flute Bits			
12-160	B-14	Replacement Bearing for 3 Flute Bits			



## Chamfer Bits 30° and 45° Angle

Carbide Tipped – 2 Flutes with Ball Bearing Guide

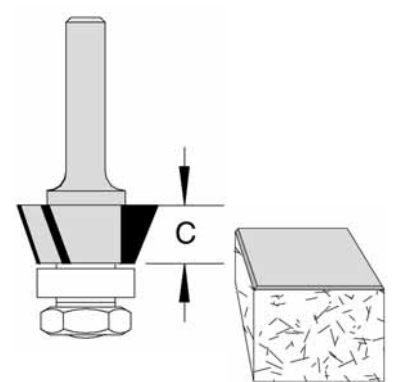
Comp No.	Stock No.	A Cutting Diameter	Angle Of Cut	Shank Diameter	C Cutting Length
16-300	CF-45-4	1-1/4"	45°	1/4"	7/16"
16-305	CF-45-8	1-1/4"	45°	1/2"	7/16"
16-310	CF-45-12-8	2	45°	1/2"	13/16"
16-315	CF-45-16-8	2-1/2"	45°	1/2"	1-1/16"
16-320	CF-45-20-8	3"	45°	1/2"	1-1/4"
16-325	CF-30-8	1-3/4"	30°	1/2"	1-1/16"
12-145	B-11	Replacement Ball Bearing Guide			



### Bevel Trim Cutter Assembly

3 Wing – 1/4" Hole

Comp No.	Stock No.	Bevel	Shank Diameter	C Cutting Length	Repl. Arbor
16-400	3V1B	9°	1/4"	3/8"	A-9
16-405	3V2B	9°	1/2"	3/8"	A-10
16-410	3V3B	22°	1/4"	3/8"	A-9
16-415	3V4B	22°	1/2"	3/8"	A-10
12-160	B-14	Replacement Ball Bearing Guide			

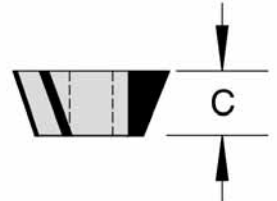


Included: Solid Carbide Cutter, Arbor and Ball Bearing Guide

### Solid Carbide Bevel Trim Cutters

for 3 Wing Assembly

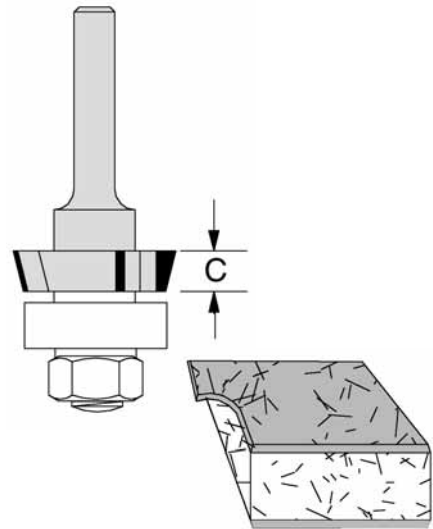
Comp No.	Stock No.	Bevel	Harbor Hole	C Cutting Length
16-420	3BCO-9	9°	1/4"	3/8"
16-425	3BCO-22	22°	1/4"	3/8"



### Bevel Trim Cutter Assembly

4 Wing – 5/16" Hole

Comp No.	Stock No.	Bevel	Shank Diameter	C Cutting Length	Repl. Arbor
16-500	V1B	15°	1/4"	1/4"	A-1
16-505	V2B	15°	1/2"	1/4"	A-3
16-510	V3B	25°	1/4"	1/4"	A-1
16-515	V4B	25°	1/2"	1/4"	A-3
12-150	B-12	Replacement Ball Bearing Guide			



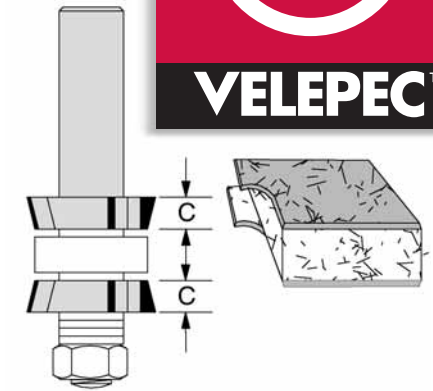
Included: Solid Carbide Cutter, Arbor and Ball Bearing Guide

### Double Bevel Trim Cutter Assembly

4 Wing – 5/16" Hole

Comp No.	Stock No.	Bevel	Shank Diameter	C Cutting Length	Repl. Arbor
16-600	D-V2B	15°	1/2"	1/4"	A-13
16-605	D-V4B	25°	1/2"	1/4"	A-13
16-610	D-V6B	45°	1/2"	1/4"	A-13
12-150	B-12	Replacement Ball Bearing Guide			

Included: 2 Cutters, Arbor and Ball Bearing Guide



### Bevel Trim Cutters

for 4 Wing Assembly

Comp No.	Stock No.	Rotation	Bevel	Arbor Hole	C Cutting Length
16-520	BCO-15	Right Hand	15°	5/16"	1/4"
16-620	BCO-15-LH	Left Hand	15°	5/16"	1/4"
16-525	BCO-25	Right Hand	25°	5/16"	1/4"
16-625	BCO-25-LH	Left Hand	25°	5/16"	1/4"
16-630	BCO-45	Right Hand	45°	5/16"	1/4"
16-635	BCO-45-LH	Left Hand	45°	5/16"	1/4"

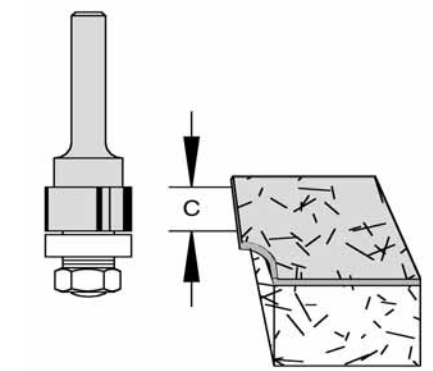


### Flush Trim Cutters Assembly

3 Wing – 1/4" Hole

Comp No.	Stock No.	Shank Diameter	C Cutting Length	Repl. Arbor
17-100	3F1B	1/4"	3/8"	A-9
17-105	3F2B	1/2"	3/8"	A-10
12-160	B-14	Replacement Ball Bearing Guide		

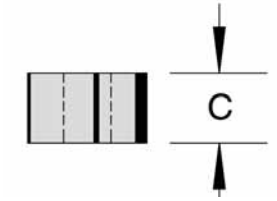
Included: Solid Carbide Cutter, Arbor and Ball Bearing Guide



### Solid Carbide Flush Trim Cutter

for 3 Wing Assembly

Comp No.	Stock No.	Arbor Hole	C Cutting Length
17-110	3FTO	1/4"	3/8"





## Flush Trim Cutter Assembly

4 Wing – 5/16" Hole

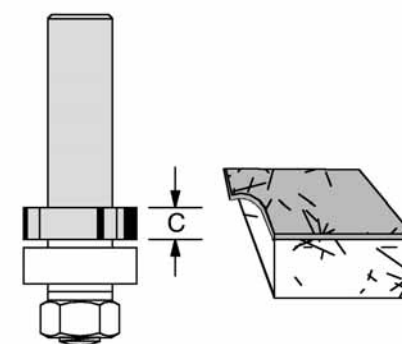
Comp No.	Stock No.	Shank Diameter	C Cutting Length	Repl. Arbor
17-200	F1B	1/4"	1/4"	A1
17-205	F2B	1/2"	1/4"	A3
12-150	B-12	Replacement Ball Bearing Guide		
13-100	A-1	13-110	A-3	

### ARBORS FOR ABOVE

13-100 A-1 1/4" diameter shank

13-110 A-3 1/2" diameter shank

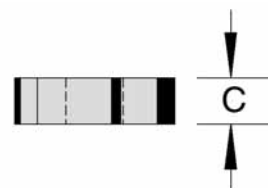
Included: Cutter, Arbor and Ball Bearing Guide



## Flush Trim Cutter

for 4 Wing Assembly

Comp No.	Stock No.	Arbor Hole	C Cutting Length
17-210	FTO	5/16"	1/4"

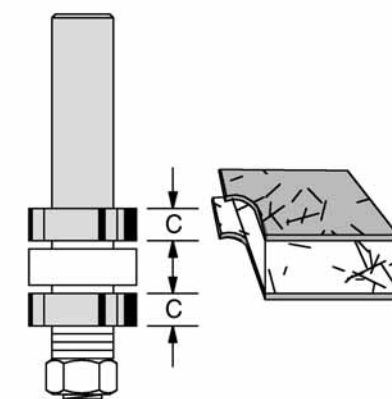


## Double Flush Trim Cutter Assembly

4 Wing – 5/16" Hole

Comp No.	Stock No.	Shank Diameter	C Cutting Length	Repl. Arbor
17-215	D-F2B	1/2"	1/4"	A-13
12-150	B-12	Replacement Ball Bearing Guide		
13-160	A-13	1/2" Arbor		

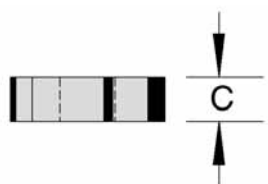
Included: : 2 Cutters, Arbor and Ball Bearing Guide



## Flush Trim Cutter

for 4 Wing Assembly

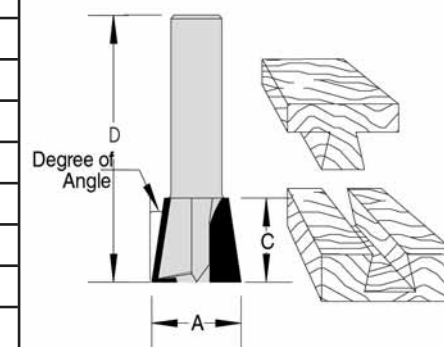
Comp No.	Stock No.	Arbor Hole	C Cutting Length
17-210	FTO	5/16"	1/4"



## Dove Tail Bits

Carbide Tipped – 2 Flutes

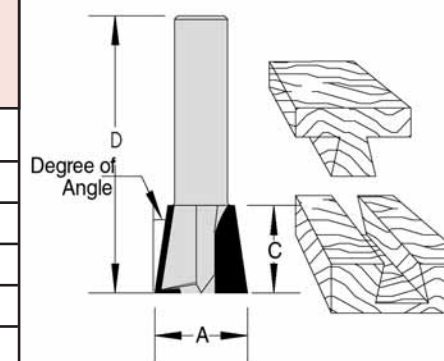
Comp No.	Stock No.	Rotation	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
18-100	D-1	9°	3/8"	1/4"	3/8"	1-3/4"
18-102	D-1/LH	9°	3/8"	1/4"	3/8"	1-3/4"
18-105	D-2	9°	3/8"	1/2"	3/8"	2"
18-107	D-2/LH	9°	3/8"	1/2"	3/8"	2"
18-110	D-3	14°	1/2"	1/4"	1/2"	1-3/4"
18-112	D-3/LH	14°	1/2"	1/4"	1/2"	1-3/4"
18-115	D-4	14°	1/2"	1/2"	1/2"	2-1/8"
18-117	D-4/LH	14°	1/2"	1/2"	1/2"	2-1/8"
18-120	D-5	7°	5/8"	1/2"	7/8"	2-3/4"
18-122	D-5/LH	7°	5/8"	1/2"	7/8"	2-3/4"
18-125	D-6	7°	3/4"	1/2"	7/8"	2-1/2"
18-127	D-6/LH	7°	3/4"	1/2"	7/8"	2-1/2"
18-130	D-7	7°	7/8"	1/2"	7/8"	2-1/2"
18-132	D-7/LH	7°	7/8"	1/2"	7/8"	2-1/2"
18-135	D-8	14°	1"	1/2"	1"	2-1/2"
18-137	D-8/LH	14°	1"	1/2"	1"	2-1/2"



## Stair Routing Bits

Carbide Tipped – 2 Flutes, 7° Angle

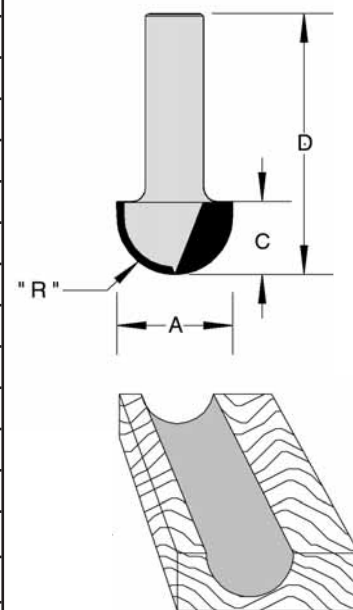
Comp No.	Stock No.	Rotation	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
18-200	SD-6	Right Hand	3/4"	1/2"	7/8"	2-1/2"
18-205	SD-6/LH	Left Hand	3/4"	1/2"	7/8"	2-1/2"
18-210	SD-7	Right Hand	7/8"	1/2"	7/8"	2-1/2"
18-215	SD-7/LH	Left Hand	7/8"	1/2"	7/8"	2-1/2"
18-220	SD-9	Right Hand	1"	1/2"	7/8"	2-1/2"
18-225	SD-9/LH	Left Hand	1"	1/2"	7/8"	2-1/2"



## Core Box Bits

Carbide Tipped – 2 Flutes

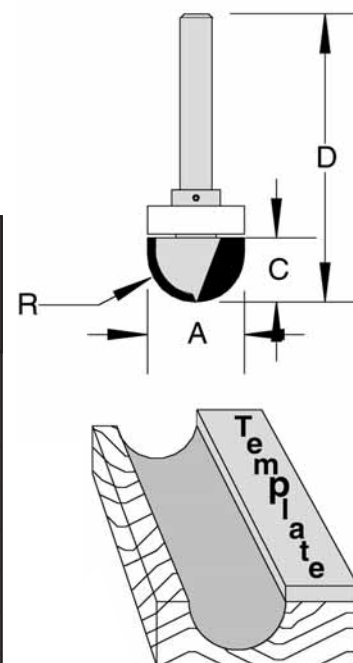
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	R Radius
19-100	COR-1-4	1/8"	1/4"	3/16"	1-3/4"	1/16"
19-105	COR-1-1/2-4	3/16"	1/4"	3/16"	1-3/4"	3/32"
19-110	COR-2-4	1/4"	1/4"	3/16"	1-3/4"	1/8"
19-115	COR-3-4	3/8"	1/4"	3/8"	1-3/4"	3/16"
19-120	COR-3-8	3/8"	1/2"	3/8"	2"	3/16"
19-125	COR-4-4	1/2"	1/4"	1/2"	1-3/4"	1/4"
19-130	COR-4-8	1/2"	1/2"	1/2"	2"	1/4"
19-135	COR-5-4	5/8"	1/4"	1/2"	1-3/4"	5/16"
19-140	COR-5-8	5/8"	1/2"	1/2"	2"	5/16"
19-145	COR-6-4	3/4"	1/4"	5/8"	2"	3/8"
19-150	COR-6-8	3/4"	1/2"	5/8"	2-1/4"	3/8"
19-155	COR-7-4	7/8"	1/4"	5/8"	2"	7/16"
19-160	COR-7-8	7/8"	1/2"	5/8"	2-1/4"	7/16"
19-165	COR-8-4	1"	1/4"	5/8"	2"	1/2"
19-170	COR-8-8	1"	1/2"	5/8"	2-1/4"	1/2"
19-175	COR-10-8	1-1/4"	1/2"	3/4"	2-3/4"	5/8"
19-180	COR-12-8	1-1/2"	1/2"	7/8"	2-7/8"	3/4"
19-185	COR-14-8	1-3/4"	1/2"	1"	3"	7/8"
19-190	COR-16-8	2"	1/2"	1-1/8"	3"	1"



## Core Box Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

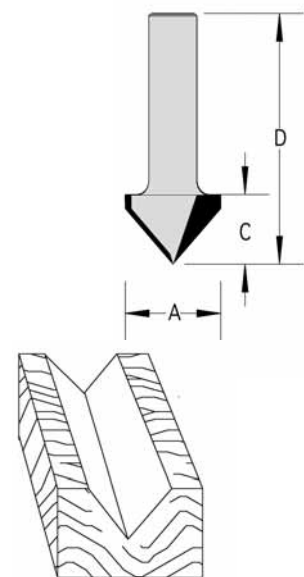
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	R Radius
19-117	COR-3-4B	3/8"	1/4"	3/8"	2-1/8"	3/16"
19-127	COR-4-4B	1/2"	1/4"	1/2"	2-1/8"	1/4"
19-137	COR-5-4B	5/8"	1/4"	1/2"	2-1/8"	5/16"
19-147	COR-6-4B	3/4"	1/4"	5/8"	2-1/4"	3/8"
12-115	B-5	Replacement Ball Bearing for 3/8" diameter bit				
12-120	B-6	Replacement Ball Bearing for 1/2" diameter bit				
12-160	B-14	Replacement Ball Bearing for 5/8" diameter bit				
12-165	B-15	Replacement Ball Bearing for 3/4" diameter bit				



## "V" Grooving Bits

Carbide Tipped – 2 Flutes 90° Included Angle

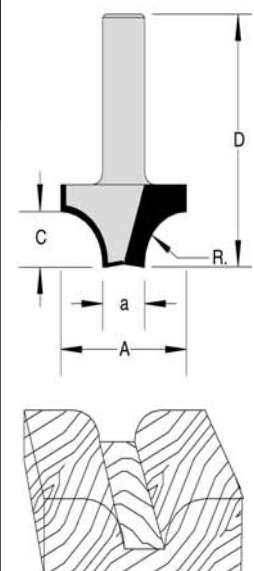
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
20-100	G1-4	3/8"	1/4"	1/2"	1-3/4"
20-105	G2-8	3/8"	1/2"	1/2"	2"
20-110	G4-4	1/2"	1/4"	1/2"	1-3/4"
20-115	G4-8	1/2"	1/2"	1/2"	2"
20-120	G5-4	5/8"	1/4"	1/2"	1-7/8"
20-125	G5-8	5/8"	1/2"	1/2"	2-1/2"
20-130	G6-4	3/4"	1/4"	5/8"	2"
20-135	G6-8	3/4"	1/2"	5/8"	2-1/4"
20-140	G7-4	7/8"	1/4"	5/8"	2"
20-145	G7-8	7/8"	1/2"	5/8"	2-1/4"
20-150	G8-4	1"	1/4"	5/8"	2-1/4"
20-155	G8-8	1"	1/2"	5/8"	2-1/2"
20-160	G10-8	1-1/4"	1/2"	3/4"	2-3/4"
20-165	G12-8	1-1/2"	1/2"	1"	3"
20-170	G14-8	1-3/4"	1/2"	1-3/16"	3-1/4"
20-175	G16-8	2"	1/2"	1-1/4"	3"



## Plunge Cutting Rounding Over Bits

Carbide Tipped – 2 Flutes

Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	a Small Diameter
22-100	PRO-2-4	1/8"	3/8"	1/4"	1/8"	1-7/8"	1/8"
22-105	PRO-2-8	1/8"	3/8"	1/2"	1/8"	2"	1/8"
22-110	PRO-3-4	3/16"	1/2"	1/4"	1/4"	1-7/8"	1/8"
22-115	PRO-3-8	3/16"	1/2"	1/2"	1/4"	2"	1/8"
22-120	PRO-4-4	1/4"	3/4"	1/4"	3/8"	1-7/8"	1/4"
22-125	PRO-4-8	1/4"	3/4"	1/2"	3/8"	2"	1/4"
22-130	PRO-5-8	5/16"	7/8"	1/2"	7/16"	2-1/8"	1/4"
22-135	PRO-6-8	3/8"	1"	1/2"	1/2"	2-1/8"	1/4"
22-140	PRO-8-8	1/2"	1-3/8"	1/2"	3/4"	2-3/8"	3/8"
22-145	PRO-10-8	5/8"	1-3/4"	1/2"	1"	2-5/8"	1/2"
22-150	PRO-12-8	3/4"	2"	1/2"	1-1/8"	2-7/8"	1/2"

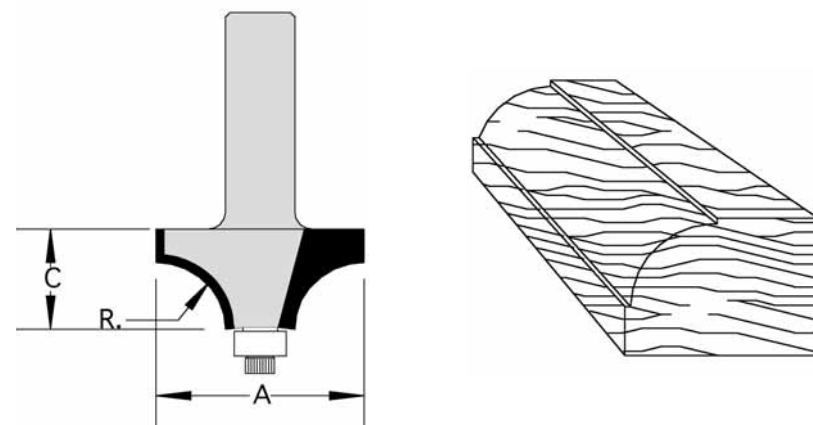




# Beading Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

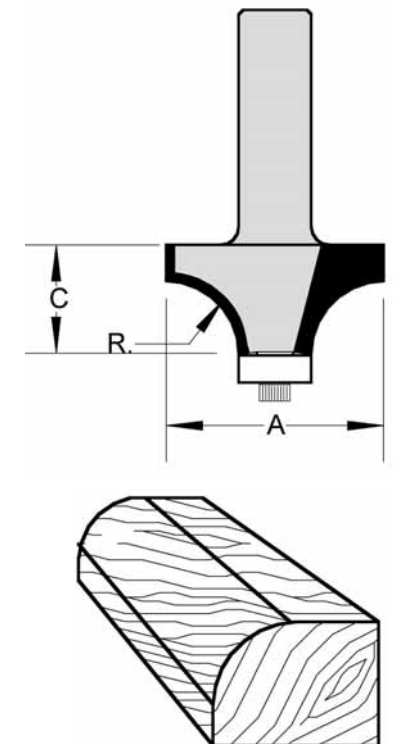
Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
22-200	BRO-1-4	1/16"	5/8"	1/4"	5/16"
22-205	BRO-1-8	1/16"	5/8"	1/2"	5/16"
22-416	BRO-1-1/2-4	3/32"	11/16"	1/4"	11/32"
22-210	BRO-2-4	1/8"	3/4"	1/4"	3/8"
22-215	BRO-2-8	1/8"	3/4"	1/2"	3/8"
22-220	BRO-2-1/2-4	5/32"	13/16"	1/4"	3/8"
22-225	BRO-3-4	3/16"	7/8"	1/4"	3/8"
22-230	BRO-3-8	3/16"	7/8"	1/2"	3/8"
22-235	BRO-4-4	1/4"	1"	1/4"	7/16"
22-240	BRO-4-8	1/4"	1"	1/2"	7/16"
22-245	BRO-5-4	5/16"	1-1/8"	1/4"	1/2"
22-250	BRO-5-8	5/16"	1-1/8"	1/2"	1/2"
22-255	BRO-6-4	3/8"	1-1/4"	1/4"	5/8"
22-260	BRO-6-8	3/8"	1-1/4"	1/2"	5/8"
22-431	BRO-7-4	7/16"	1-3/8"	1/4"	5/8"
22-436	BRO-7-8	7/16"	1-3/8"	1/2"	5/8"
22-265	BRO-8-4	1/2"	1-1/2"	1/4"	3/4"
22-270	BRO-8-8	1/2"	1-1/2"	1/2"	3/4"
22-441	BRO-9-8	9/16"	1-5/8"	1/2"	13/16"
22-275	BRO-10-8	5/8"	1-3/4"	1/2"	7/8"
22-446	BRO-11-8	11/16"	1-7/8"	1/2"	15/16"
22-280	BRO-12-8	3/4"	2"	1/2"	1"
22-451	BRO-13-8	13/16"	2-1/8"	1/2"	1-1/16"
22-285	BRO-14-8	7/8"	2-1/4"	1/2"	1-1/8"
22-290	BRO-16-8	1"	2-1/2"	1/2"	1-1/4"
12-135	B-9	Replacement Ball Bearing Guide			



# Rounding Over Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
22-300	RO-1-4	1/16"	5/8"	1/4"	5/16"
22-305	RO-1-8	1/16"	5/8"	1/2"	5/16"
22-415	RO-1-1/2-4	3/32"	11/16"	1/4"	11/32"
22-310	RO-2-4	1/8"	3/4"	1/4"	3/8"
22-315	RO-2-8	1/8"	3/4"	1/2"	3/8"
22-320	RO-2-1/2-4	5/32"	13/16"	1/4"	3/8"
22-325	RO-3-4	3/16"	7/8"	1/4"	3/8"
22-330	RO-3-8	3/16"	7/8"	1/2"	3/8"
22-335	RO-4-4	1/4"	1"	1/4"	7/16"
22-340	RO-4-8	1/4"	1"	1/2"	7/16"
22-345	RO-5-4	5/16"	1-1/8"	1/4"	1/2"
22-350	RO-5-8	5/16"	1-1/8"	1/2"	1/2"
22-355	RO-6-4	3/8"	1-1/4"	1/4"	5/8"
22-360	RO-6-8	3/8"	1-1/4"	1/2"	5/8"
22-430	RO-7-4	7/16"	1-3/8"	1/4"	5/8"
22-435	RO-7-8	7/16"	1-3/8"	1/2"	5/8"
22-365	RO-8-4	1/2"	1-1/2"	1/4"	3/4"
22-370	RO-8-8	1/2"	1-1/2"	1/2"	3/4"
22-440	RO-9-8	9/16"	1-5/8"	1/2"	13/16"
22-375	RO-10-8	5/8"	1-3/4"	1/2"	7/8"
22-445	RO-11-8	11/16"	1-7/8"	1/2"	15/16"
22-380	RO-12-8	3/4"	2"	1/2"	1"
22-450	RO-13-8	13/16"	2-1/8"	1/2"	1-1/16"
22-385	RO-14-8	7/8"	2-1/4"	1/2"	1-1/8"
22-390	RO-16-8	1"	2-1/2"	1/2"	1-1/4"
22-395	RO-18-8	1-1/8"	2-3/4"	1/2"	1-3/8"
22-400	RO-20-8	1-1/4"	3"	1/2"	1-1/2"
22-405	RO-22-8	1-3/8"	3-1/4"	1/2"	1-5/8"
22-410	RO-24-8	1-1/2"	3-1/2"	1/2"	1-3/4"
12-145	B-11	Replacement Ball Bearing Guide			
12-307	VTA-8-3	Replacement Vel-Vet Touch™ Bearing Guide			

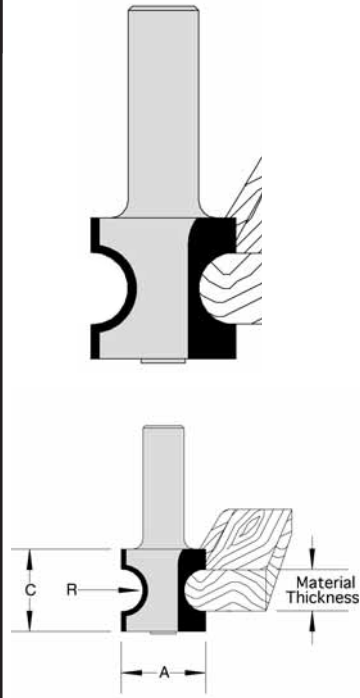


**Please Note:** When ordering the above Roundover Bits with VEL-VET TOUCH™ bearing guides, add VT to the stock no. and go up two comp numbers. Example: 22-382 RO-12-8VT



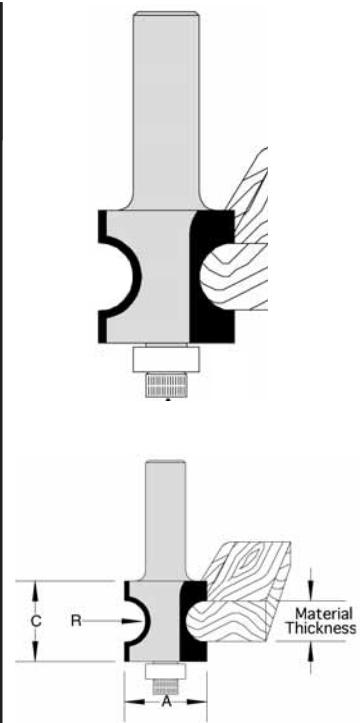
# Bull Nose Radius Bits *Carbide Tipped - 2 Flutes*

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius	Material Thickness
22-500	BN-2-4	21/32"	1/4"	1/2"	5/64"	1/8"
22-505	BN-2-8	21/32"	1/2"	1/2"	5/64"	1/8"
22-510	BN-3-4	23/32"	1/4"	1/2"	7/64"	3/16"
22-515	BN-3-8	23/32"	1/2"	1/2"	7/64"	3/16"
22-520	BN-4-4	25/32"	1/4"	3/4"	9/64"	1/4"
22-525	BN-4-8	25/32"	1/2"	3/4"	9/64"	1/4"
22-527	BN-5-4	27/32"	1/4"	3/4"	11/64"	5/16"
22-529	BN-5-8	27/32"	1/2"	3/4"	11/64"	5/16"
22-530	BN-6-4	29/32"	1/4"	3/4"	13/64"	3/8"
22-535	BN-6-8	29/32"	1/2"	3/4"	13/64"	3/8"
22-537	BN-8-4	1-1/32"	1/4"	1"	17/64"	1/2"
22-540	BN-8-8	1-1/32"	1/2"	1"	17/64"	1/2"
22-545	BN-10-8	1-3/16"	1/2"	1-1/8"	11/32"	5/8"
22-550	BN-12-8	1-5/16"	1/2"	1-1/4"	13/32"	3/4"
22-552	BN-14-8	1-7/16"	1/2"	1-3/8"	15/32"	7/8"
22-555	BN-16-8	1-9/16"	1/2"	1-1/2"	17/32"	1"
22-560	BN-20-8	1-13/16"	1/2"	1-3/4"	21/32"	1-1/4"



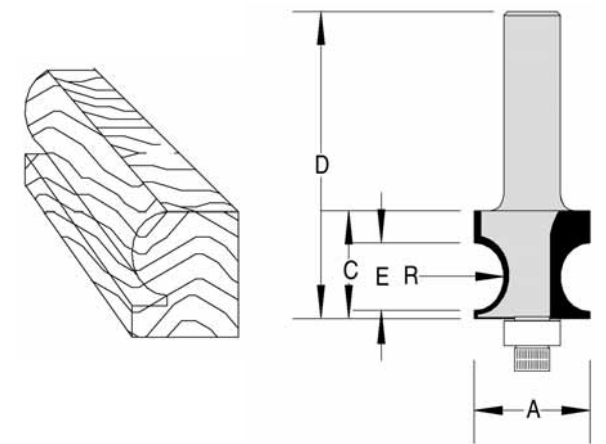
# Bull Nose Radius Bits *Carbide Tipped - 2 Flutes with Ball Bearing Guide*

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius	Material Thickness
22-600	BNB-2-4	21/32"	1/4"	1/2"	5/64"	1/8"
22-605	BNB-2-8	21/32"	1/2"	1/2"	5/64"	1/8"
22-610	BNB-3-4	23/32"	1/4"	1/2"	7/64"	3/16"
22-615	BNB-3-8	23/32"	1/2"	1/2"	7/64"	3/16"
22-620	BNB-4-4	25/32"	1/4"	3/4"	9/64"	1/4"
22-625	BNB-4-8	25/32"	1/2"	3/4"	9/64"	1/4"
22-627	BNB-5-4	27/32"	1/4"	3/4"	11/64"	5/16"
22-629	BNB-5-8	27/32"	1/2"	3/4"	11/64"	5/16"
22-630	BNB-6-4	29/32"	1/4"	3/4"	13/64"	3/8"
22-635	BNB-6-8	29/32"	1/2"	3/4"	13/64"	3/8"
22-637	BNB-8-4	1-1/32"	1/4"	1"	17/64"	1/2"
22-640	BNB-8-8	1-1/32"	1/2"	1"	17/64"	1/2"
22-645	BNB-10-8	1-3/16"	1/2"	1-1/8"	11/32"	5/8"
22-650	BNB-12-8	1-5/16"	1/2"	1-1/4"	13/32"	3/4"
22-652	BNB-14-8	1-7/16"	1/2"	1-3/8"	15/32"	7/8"
22-655	BNB-16-8	1-9/16"	1/2"	1-1/2"	17/32"	1"
22-660	BNB-20-8	1-13/16"	1/2"	1-3/4"	21/32"	1-1/4"
12-145	B-11	Replacement Ball Bearing Guide				



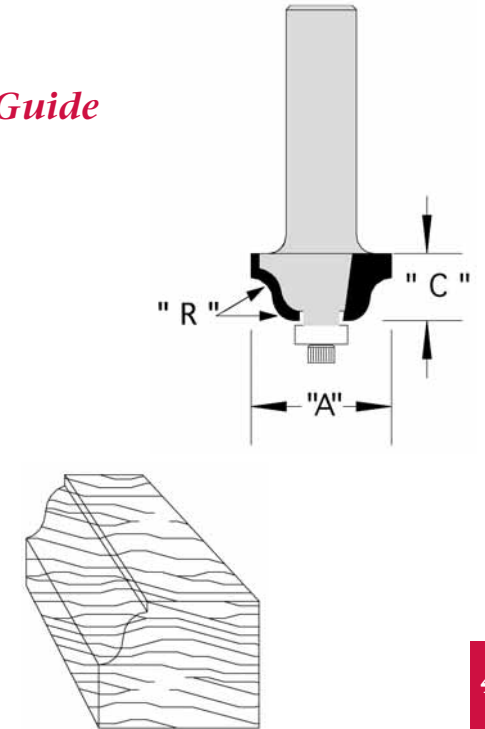
# Traditional Edge Beading Bits *Carbide Tipped – 2 Flutes with Ball Bearing Guide*

Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Diameter	E Width of Bead
22-700	TBB-2-4	1/8"	25/32"	1/4"	1/2"	1-1/2"	1/4"
22-705	TBB-2-8	1/8"	25/32"	1/2"	1/2"	2"	1/4"
22-710	TBB-3-4	3/16"	29/32"	1/4"	5/8"	1-5/8"	3/8"
22-715	TBB-3-8	3/16"	29/32"	1/2"	5/8"	2-1/8"	3/8"
22-720	TBB-4-4	1/4"	1-1/32"	1/4"	3/4"	1-3/4"	1/2"
22-725	TBB-4-8	1/4"	1-1/32"	1/2"	3/4"	2-1/4"	1/2"
22-730	TBB-6-8	3/8"	1-9/32"	1/2"	1"	2-5/8"	3/4"
12-145	B-11	Replacement Ball Bearing Guide					



# Roman Ogee Bits *Carbide Tipped – 2 Flutes with Ball Bearing Guide*

Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
23-100	OG-5/32-4	5/32"	1"	1/4"	15/32"
23-105	OG-5/32-8	5/32"	1"	1/2"	15/32"
23-110	OG-1/4-4	1/4"	1-3/8"	1/4"	21/32"
23-115	OG-1/4-8	1/4"	1-3/8"	1/2"	21/32"
12-140	B-10	Replacement Ball Bearing Guide			
23-160	OG-3/8-8-6	3/8"	2"	1/2"	5/8"
23-165	OG-3/8-8-8	3/8"	2"	1/2"	3/4"
12-145	B-11	Replacement Ball Bearing Guide			

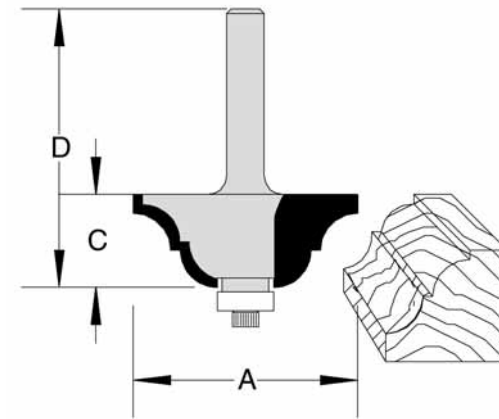




## Double Roman Ogee Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

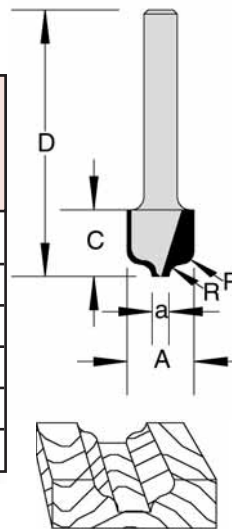
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
23-200	DOG-5/32-4	1"	1/4"	5/8"	1-3/4"
23-205	DOG-5/32-8	1"	1/2"	5/8"	2"
23-210	DOG-1/4-4	1-3/8"	1/4"	3/4"	1-7/8"
23-215	DOG-1/4-8	1-3/8"	1/2"	3/4"	2-1/4"
12-140	B-10	Replacement Ball Bearing Guide			



## Ogee Bits

Carbide Tipped – 2 Flutes

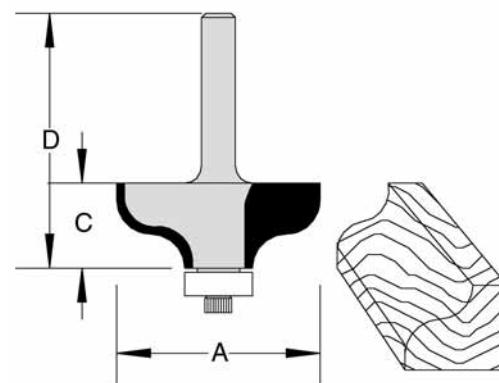
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	a Small Diameter	R Radius
23-300	OG-61-4	3/8"	1/4"	5/16"	1-7/8"	1/8"	1/16"
23-305	OG-61-8	3/8"	1/2"	5/16"	2-3/4"	1/8"	1/16"
23-310	OG-62-4	1/2"	1/4"	3/8"	2"	1/8"	3/32"
23-315	OG-62-8	1/2"	1/2"	3/8"	2-3/4"	1/8"	3/32"
23-320	OG-63-4	3/4"	1/4"	1/2"	2"	3/16"	9/64"
23-325	OG-64-8	3/4"	1/2"	1/2"	2-3/4"	3/16"	9/64"



## Ogee Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

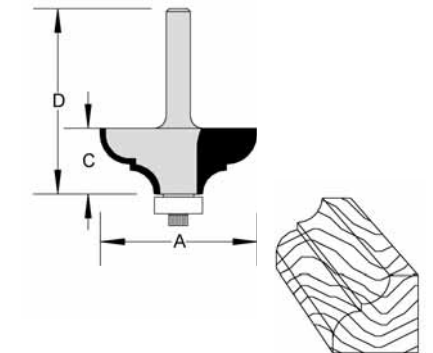
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
23-400	OGB-20-4	1-1/8"	1/4"	1/2"	1-5/8"
23-405	OGB-24-8	1-1/8"	1/2"	1/2"	2"
23-410	OGB-22-4	1-3/8"	1/4"	11/16"	1-3/4"
23-415	OGB-26-8	1-3/8"	1/2"	11/16"	2-1/8"
12-145	B-11	Replacement Ball Bearing Guide			



## Rounding Over Cove Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

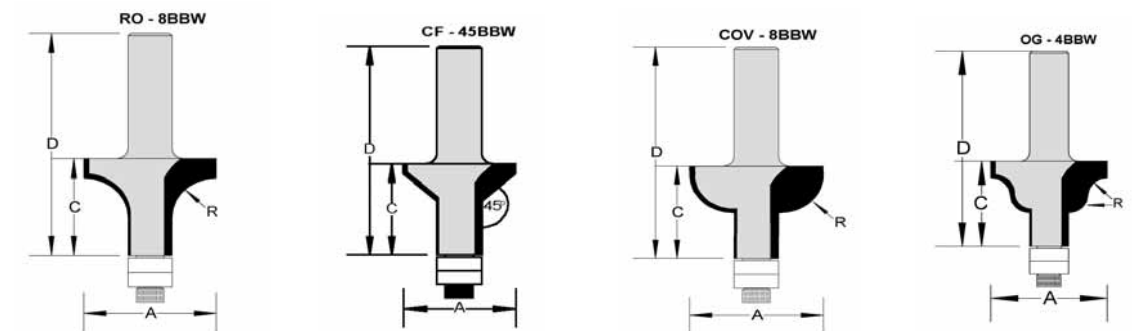
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
23-500	ROCB-28-4	1-1/8"	1/4"	1/2"	1-5/8"
23-505	ROCB-32-8	1-1/8"	1/2"	1/2"	2"
23-510	ROCB-30-4	1-3/8"	1/4"	11/16"	1-3/4"
23-515	ROCB-34-8	1-3/8"	1/2"	11/16"	2-1/8"
12-145	B-11	Replacement Ball Bearing Guide			



## Wesflex Style Bits

Carbide Tipped – 2 Flutes with Double Ball Bearing Guide

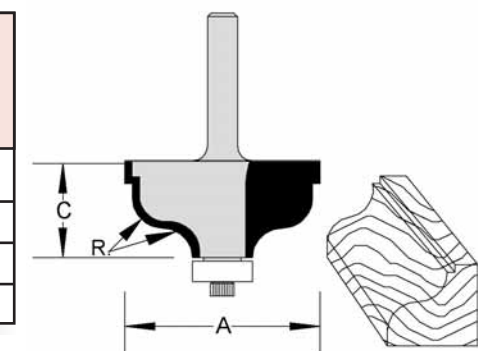
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	R Radius
23-520	RO-8BBW	1-1/2"	1/2"	1-1/4"	2-5/8"	1/2"
23-525	CF-45BBW	1-1/4"	1/2"	1-1/4"	2-5/8"	-----
23-530	COV-8BBW	1-1/2"	1/2"	1-1/8"	2-5/8"	1/2"
23-535	OG-4BBW	1-1/2"	1/2"	1-1/4"	2-5/8"	1/4"
12-145	B-11	Replacement Ball Bearing Guide				



## Ogee Fillet Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

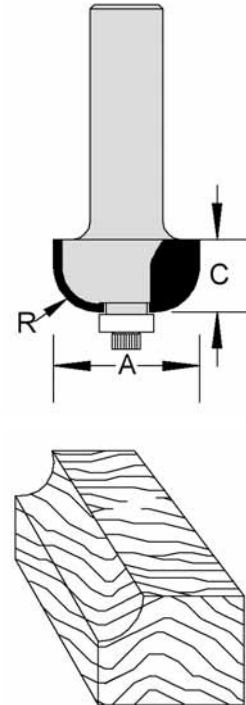
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius
23-600	OGB-84-4	1-3/8"	1/4"	9/16"	3/16"
23-605	OGB-85-8	1-3/8"	1/2"	9/16"	3/16"
23-610	OGB-86-8	1-5/8"	1/2"	13/16"	1/4"
12-145	B-11	Replacement Ball Bearing Guide			



## Cove Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

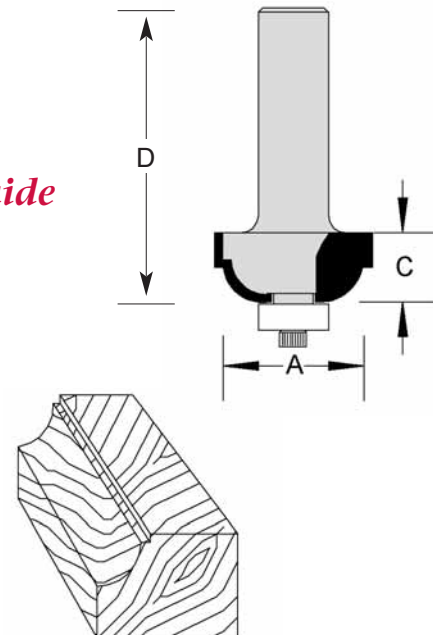
Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
24-100	COV-1-4	1/16"	1/2"	1/4"	1/2"
24-105	COV-1-8	1/16"	1/2"	1/2"	1/2"
24-110	COV-2-4	1/8"	5/8"	1/4"	1/2"
24-115	COV-2-8	1/8"	5/8"	1/2"	1/2"
24-120	COV-3-4	3/16"	3/4"	1/4"	1/2"
24-125	COV-3-8	3/16"	3/4"	1/2"	1/2"
24-130	COV-4-4	1/4"	7/8"	1/4"	1/2"
24-135	COV-4-8	1/4"	7/8"	1/2"	1/2"
24-140	COV-5-4	5/16"	1"	1/4"	1/2"
24-145	COV-5-8	5/16"	1"	1/2"	1/2"
24-150	COV-6-4	3/8"	1-1/8"	1/4"	1/2"
24-155	COV-6-8	3/8"	1-1/8"	1/2"	1/2"
24-160	COV-8-4	1/2"	1-3/8"	1/4"	5/8"
24-165	COV-8-8	1/2"	1-3/8"	1/2"	5/8"
12-135	B-9	Replacement Ball Bearing Guide			
24-170	COV-10-8	5/8"	1-3/4"	1/2"	3/4"
24-175	COV-12-8	3/4"	2"	1/2"	7/8"
12-145	B-11	Replacement Ball Bearing Guide			



## Cove Fillet Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

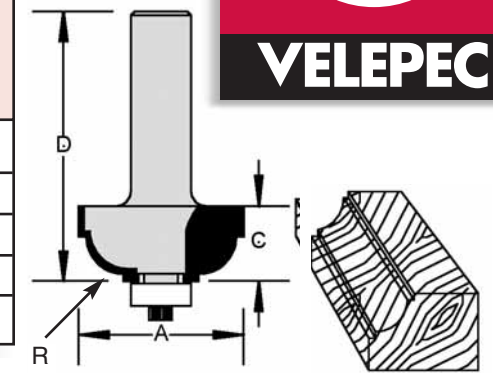
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
24-200	CFB-52-4	1-1/8"	1/4"	1/2"	1-5/8"
24-205	CFB-56-8	1-1/8"	1/2"	1/2"	2"
24-210	CFB-54-4	1-3/8"	1/4"	5/8"	1-3/4"
24-215	CFB-58-8	1-3/8"	1/2"	5/8"	2-1/8"
12-145	B-11	Replacement Ball Bearing Guide			



## Double Fillet Cove Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

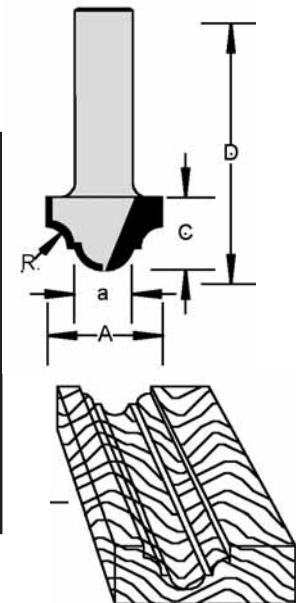
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	R Radius
24-300	DFCB-44-4	1-1/8"	1/4"	1/2"	1-5/8"	3/16"
24-305	DFCB-48-8	1-1/8"	1/2"	1/2"	2"	3/16"
24-310	DFCB-46-4	1-3/8"	1/4"	5/8"	1-3/4"	5/16"
24-315	DFCB-50-8	1-3/8"	1/2"	5/8"	2-1/8"	5/16"
12-145	B-11	Replacement Ball Bearing Guide				



## Classical Bits

Carbide Tipped – 2 Flutes

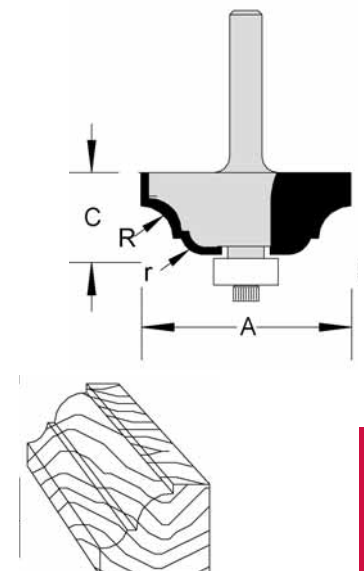
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	a Small Diameter	R Radius
25-100	CL-67-4	1/2"	1/4"	1/2"	2"	3/16"	3/32"
25-105	CL-67-8	1/2"	1/2"	1/2"	2-3/4"	3/16"	3/32"
25-110	CL-68-4	3/4"	1/4"	5/8"	2-1/8"	5/16"	5/32"
25-115	CL-69-8	3/4"	1/2"	5/8"	2-3/4"	5/16"	5/32"
25-120	CL-70-8	1"	1/2"	5/8"	2-3/4"	15/32"	3/16"
25-125	CL-72-8	1-1/2"	1/2"	3/4"	3"	3/4"	1/4"



## Classical Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius	r Radius
25-200	CLB-79-4	1-1/4"	1/4"	1/2"	3/16"	3/16"
25-205	CLB-80-8	1-1/4"	1/2"	1/2"	3/16"	3/16"
25-210	CLB-81-4	1-1/2"	1/4"	5/8"	1/4"	3/16"
25-215	CLB-82-8	1-1/2"	1/2"	5/8"	1/4"	3/16"
12-145	B-11	Replacement Ball Bearing Guide				

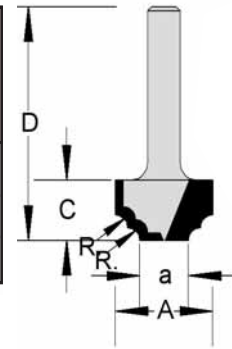




## Traditional Bits

Carbide Tipped – 2 Flutes

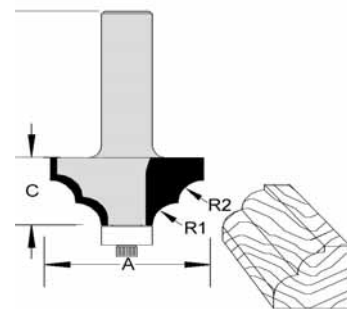
Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length	a Small Diameter
26-100	TP-74-4	1/16"	1/2"	1/4"	3/8"	2"	1/4"
26-105	TP-75-4	3/32"	3/4"	1/4"	7/16"	2-1/16"	3/8"
26-110	TP-76-8	3/32"	3/4"	1/2"	7/16"	2-5/8"	3/8"



## Traditional Fillet Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

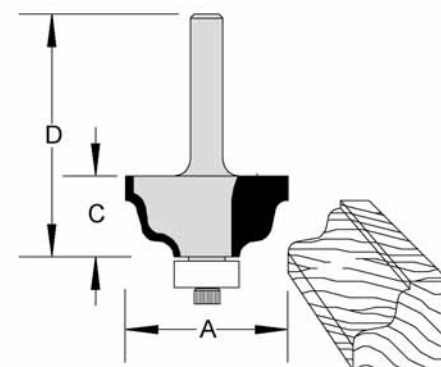
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R1 Radius	R2 Radius
26-200	TPB-90-4	1-1/8"	1/4"	9/16"	5/32"	5/32"
26-205	TPB-90-8	1-1/8"	1/2"	9/16"	5/32"	5/32"
26-210	TPB-93-4	1-3/8"	1/4"	11/16"	7/32"	7/32"
26-215	TPB-93-8	1-3/8"	1/2"	11/16"	7/32"	7/32"
26-220	TPB-91-4	1-1/2"	1/4"	3/4"	1/4"	1/4"
26-225	TPB-91-8	1-1/2"	1/2"	3/4"	1/4"	1/4"
26-230	TPB-92-8	1-3/4"	1/2"	7/8"	1/4"	3/8"
26-235	TPB-94-8	1-3/4"	1/2"	7/8"	3/8"	1/4"
12-145	B-11	Replacement Ball Bearing Guide				



## Wavy Edge Form Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

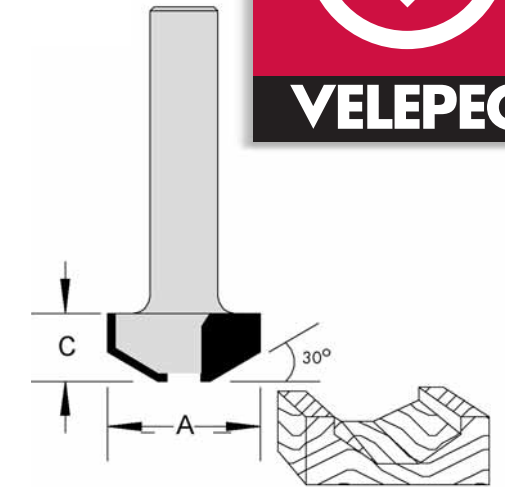
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
26-300	WAVY-06-4	1-1/4"	1/4"	5/8"	1-3/4"
26-305	WAVY-07-8	1-1/4"	1/2"	5/8"	2-1/4"
12-145	B-11	Replacement Ball Bearing Guide			



## Raised Panel Bit

Carbide Tipped – 2 Flutes

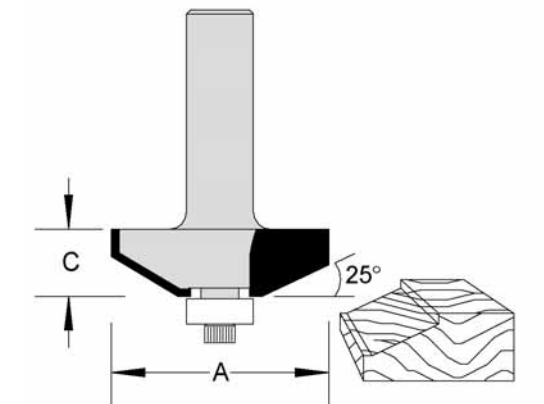
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
27-100	RP-80-8	1-1/8"	1/2"	1/2"



## Raised Panel Bit

Carbide Tipped – 2 Flutes with Ball Bearing Guide

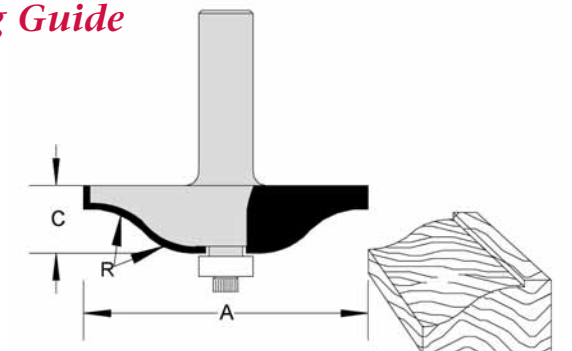
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length
27-200	RPB-83-8	1-5/8"	1/2"	1/2"
12-145	B-11	Replacement Ball Bearing Guide		



## Ogee Fillet Raised Panel Bit

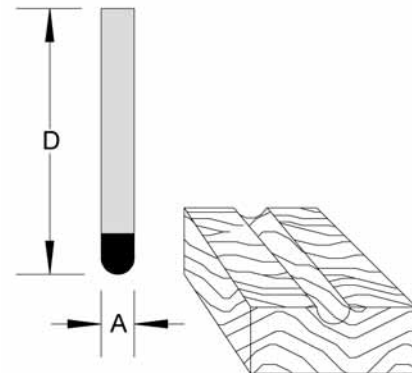
Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R radius
27-300	OGB-42-8	2-5/8"	1/2"	5/8"	5/8"
12-145	B-11	Replacement Ball Bearing Guide			



## Solid Carbide Round Bottom Veining Bits

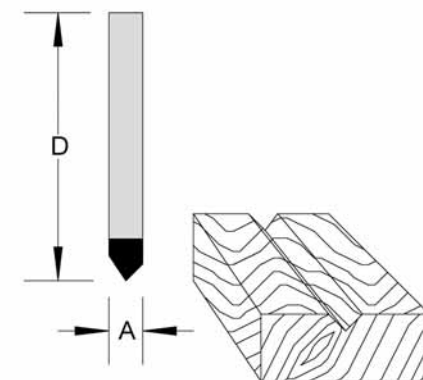
Comp No.	Stock No.	Radius	A Cutting Diameter	Shank Diameter	D Overall Length
28-100	SCV-1	1/16"	1/8"	1/4"	2"
28-105	SCV-2	3/32"	3/16"	1/4"	2"
28-110	SCV-3	1/8"	1/4"	1/4"	2"



## Solid Carbide "V" Grooving Veining Bit

90° Included Angle

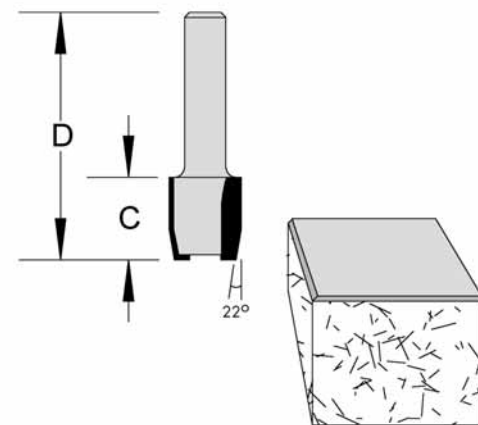
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	D Overall Length
28-200	SCV-4	1/4"	1/4"	2"



## Combination Bevel & Flush Trim Bit

Carbide Tipped, 22° Angle - 2 Flutes

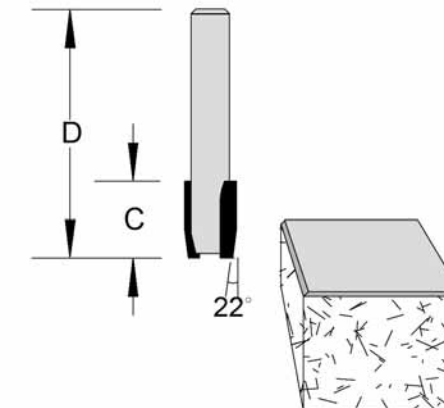
Comp No.	Stock No.	C Cutting Length	Shank Diameter	D Overall Length
28-300	CB-1	1/4"	1/4"	1-1/2"



## Combination Bevel & Flush Trim Bit

22° Angle - 2 Flutes

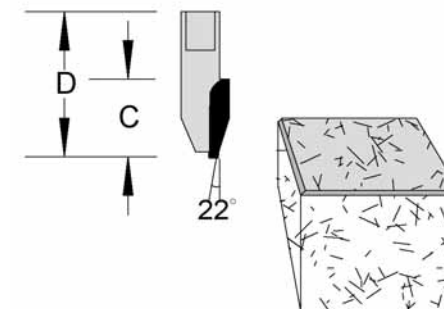
Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
28-400	PC-1	1/4"	1/2"	1-5/8"



## Combination Bevel & Flush Trim Bit

22° Angle - 1 Flute

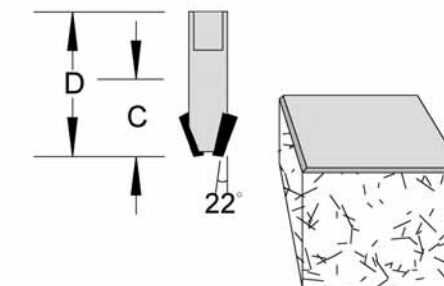
Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
28-500	BD-1	1/4"	1/2"	15/16"



## Combination Bevel & Flush Trim Bit

22° Angle - 2 Flutes

Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
28-505	BD-2	1/4"	9/32"	15/16"

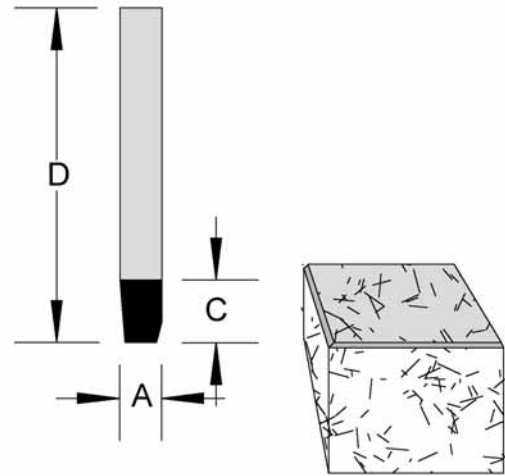




## Solid Carbide Combination Flush & Bevel Trim Bit

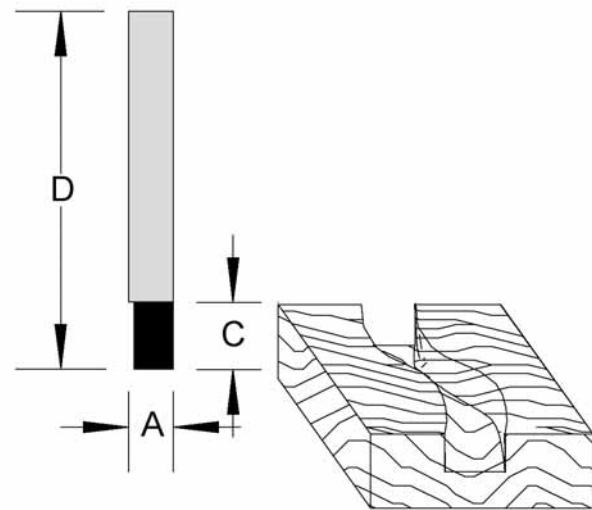
7° Angle

Comp No.	Stock No.	Shank Diameter	C Cutting Length	D Overall Length
28-600	SFB-4	1/4"	3/8"	2"



## Solid Carbide Rip & Slotting Bit

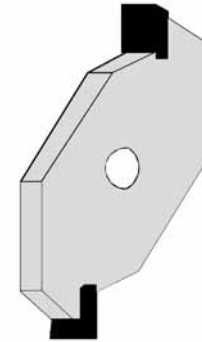
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	D Overall Length
28-700	SRS-4	1/4"	1/4"	3/8"	2"



## 2 Wing Slotting Cutters

1-7/8" Diameter – 5/16" Hole • Cutters Only

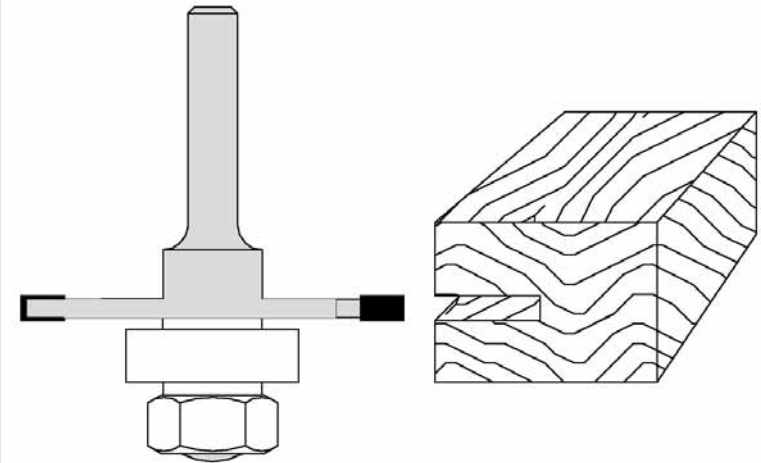
Comp No.	Stock No.	Kerf
29-100	S-1062	1/16"
29-105	S-1	.075"
29-110	S-2	.080"
29-115	S-3	3/32"
29-120	S-4	1/8"
29-125	S-5	3/16"
29-130	S-6	1/4"



## 2 Wing Slotting Cutter Assembly

1-7/8" Diameter – 5/16" Hole

Comp No.	Stock No.	Kerf	Shank Diameter	Arbor
29-200	SJ-1062-4	1/16"	1/4"	A-4
29-205	SJ-1062-8	1/16"	1/2"	A-5
29-210	SJ-1-4	.075"	1/4"	A-4
29-215	SJ-1-8	.075"	1/2"	A-5
29-220	SJ-2-4	.080"	1/4"	A-4
29-225	SJ-2-8	.080"	1/2"	A-5
29-230	SJ-3-4	3/32"	1/4"	A-4
29-235	SJ-3-8	3/32"	1/2"	A-5
29-240	SJ-4-4	1/8"	1/4"	A-1
29-245	SJ-4-8	1/8"	1/2"	A-3
29-250	SJ-5-4	3/16"	1/4"	A-1
29-255	SJ-5-8	3/16"	1/2"	A-3
29-260	SJ-6-4	1/4"	1/4"	A-1
29-265	SJ-6-8	1/4"	1/2"	A-3
12-150	B-12	Replacement Ball Bearing Guide		



Included: Cutter, Arbor and Ball Bearing Guide

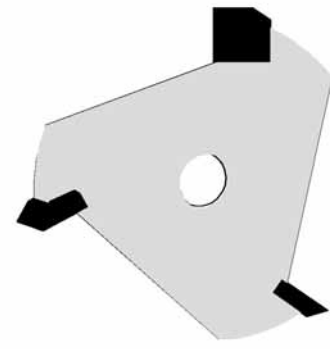




### 3 Wing Slotting Cutters

1-7/8" Diameter – 5/16" Hole • Cutters Only

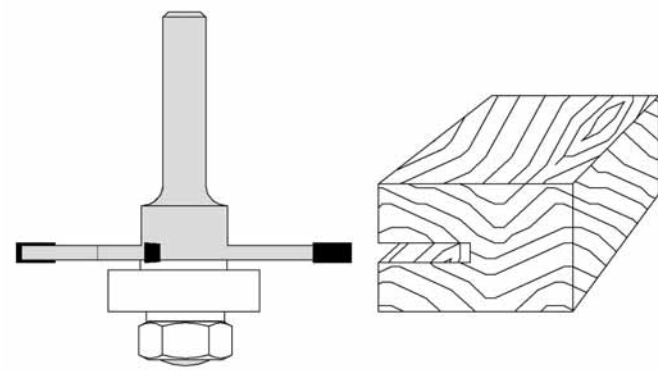
Comp No.	Stock No.	Kerf
29-300	CC-1/16-3	1/16"
29-305	CC-5/64-3	5/64"
29-310	CC-3/32-3	3/32"
29-315	CC-1/8-3	1/8"
29-320	CC-5/32-3	5/32"
29-325	CC-3/16-3	3/16"
29-330	CC-1/4-3	1/4"



### 3 Wing Slotting Cutter Assembly

1-7/8" Diameter – 5/16" Hole

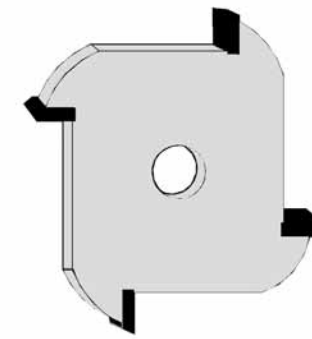
Comp No.	Stock No.	Kerf	Shank Diameter	Arbor
29-400	CCA-1/6-3-4	1/16"	1/4"	A-4
29-405	CCA-1/6-3-8	1/16"	1/2"	A-5
29-410	CCA-5/64-3-4	5/64"	1/4"	A-4
29-415	CCA-5/64-3-8	5/64"	1/2"	A-5
29-420	CCA-3/32-3-4	3/32"	1/4"	A-4
29-425	CCA-3/32-3-8	3/32"	1/2"	A-5
29-430	CCA-1/8-3-4	1/8"	1/4"	A-1
29-435	CCA-1/8-3-8	1/8"	1/2"	A-3
29-440	CCA-5/32-3-4	5/32"	1/4"	A-1
29-445	CCA-5/32-3-8	5/32"	1/2"	A-3
29-450	CCA-3/16-3-4	3/16"	1/4"	A-1
29-455	CCA-3/16-3-8	3/16"	1/2"	A-3
29-460	CCA-1/4-3-4	1/4"	1/4"	A-1
29-465	CCA-1/4-3-8	1/4"	1/2"	A-3
12-150	B-12	Replacement Ball Bearing Guide		



### 4 Wing Slotting Cutters

1-7/8" Diameter – 5/16" Hole • Cutters Only

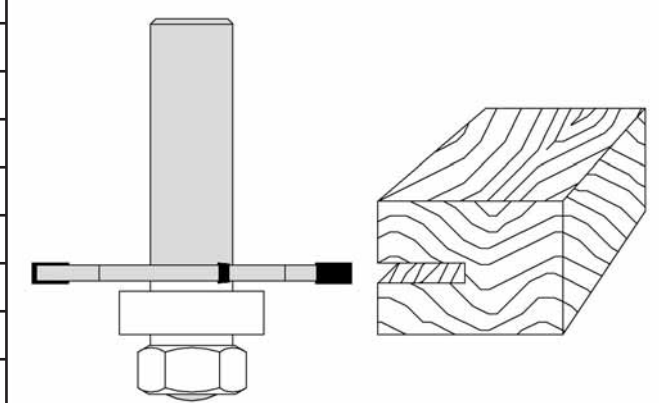
Comp No.	Stock No.	Kerf
29-500	S-7062	1/16"
29-505	S-7	.075"
29-510	S-8	.080"
29-515	S-9	3/32"
29-520	S-10	1/8"
29-525	S-11	3/16"
29-530	S-12	1/4"



### 4 Wing Slotting Cutter Assembly

1-7/8" Diameter – 5/16" Hole

Comp No.	Stock No.	Kerf	Shank Diameter	Arbor
29-600	SJ-7062-4	1/16"	1/4"	A-4
29-605	SJ-7062-8	1/16"	1/2"	A-5
29-610	SJ-7-4	.075"	1/4"	A-4
29-615	SJ-7-8	.075"	1/2"	A-5
29-620	SJ-8-4	.080"	1/4"	A-4
29-625	SJ-8-8	.080"	1/2"	A-5
29-630	SJ-9-4	3/32"	1/4"	A-4
29-635	SJ-9-8	3/32"	1/2"	A-5
29-640	SJ-10-4	1/8"	1/4"	A-1
29-645	SJ-10-8	1/8"	1/2"	A-3
29-650	SJ-11-4	3/16"	1/4"	A-1
29-655	SJ-11-8	3/16"	1/2"	A-3
29-660	SJ-12-4	1/4"	1/4"	A-1
29-665	SJ-12-8	1/4"	1/2"	A-3
12-150	B-12	Replacement Ball Bearing Guide		



Included: Cutter, Arbor and Ball Bearing Guide

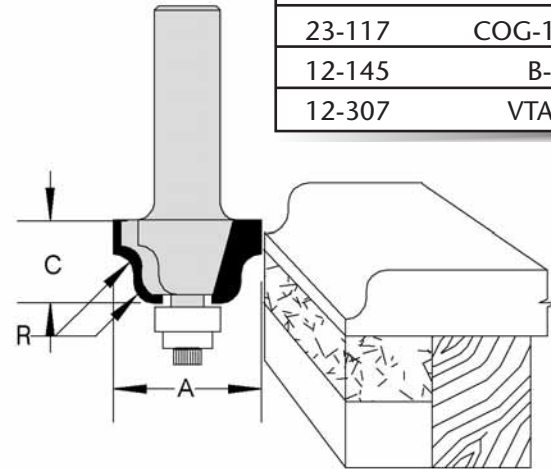
Included: Cutter, Arbor and Ball Bearing Guide



## Roman Ogee Bits for Basic Edges on Solid Surface

Carbide Tipped – 2 Flutes with Ball Bearing Guide

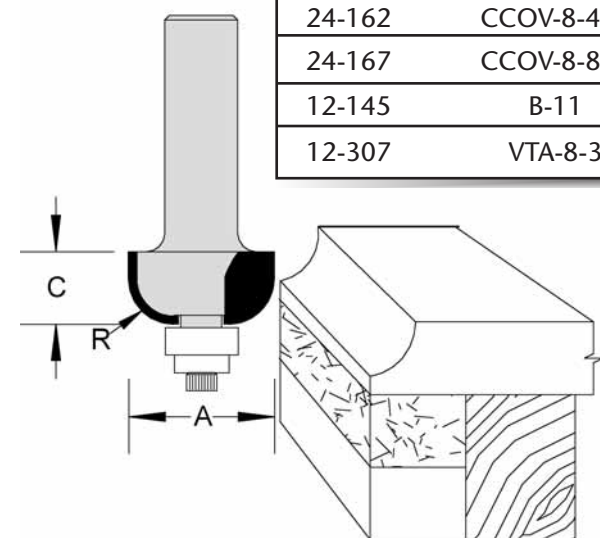
Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
23-102	COG-5/32-4VT	5/32"	1-1/8"	1/4"	15/32"
23-107	COG-5/32-8VT	5/32"	1-1/8"	1/2"	15/32"
23-112	COG-1/4-4VT	1/4"	1-1/2"	1/4"	21/32"
23-117	COG-1/4-8VT	1/4"	1-1/2"	1/2"	21/32"
12-145	B-11	Replacement Ball Bearing Guide			
12-307	VTA-8-3	Replacement VEL-VET TOUCH Bearing Guide			



## Cove Bits for Basic Edges on Solid Surface

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	R Radius	A Cutting Diameter	Shank Diameter	C Cutting Length
24-132	CCOV-4-4VT	1/4"	1"	1/4"	1/2"
24-137	CCOV-4-8VT	1/4"	1"	1/2"	1/2"
24-152	CCOV-6-4VT	3/8"	1-1/4"	1/4"	1/2"
24-157	CCOV-6-8VT	3/8"	1-1/4"	1/2"	1/2"
24-162	CCOV-8-4VT	1/2"	1-1/2"	1/4"	5/8"
24-167	CCOV-8-8VT	1/2"	1-1/2"	1/2"	5/8"
12-145	B-11	Replacement Ball Bearing Guide			
12-307	VTA-8-3	Replacement VEL-VET TOUCH Bearing Guide			

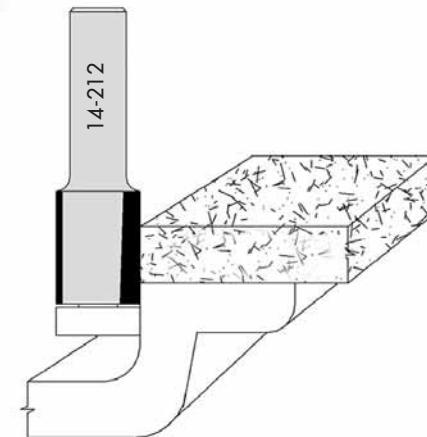


## Flush Trim Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
14-212	19BVT	For 1/2" or 3/4" thick top
14-217	20BVT	For 1" thick top
14-222	21BVT	For 1 1/4" thick top
14-227	22BVT	For 1 1/2" thick top
12-340	VT-12-4	Replacement VEL-VET TOUCH™ Bearing Guide
12-165	B-15	Replacement Steel Bearing

**NOTE:** WHEN ORDERING WITH STEEL BEARING, DROP THE VT FROM THE STOCK NO. AND GO DOWN TWO COMP. NOS. EXAMPLE: 19B (14-210)

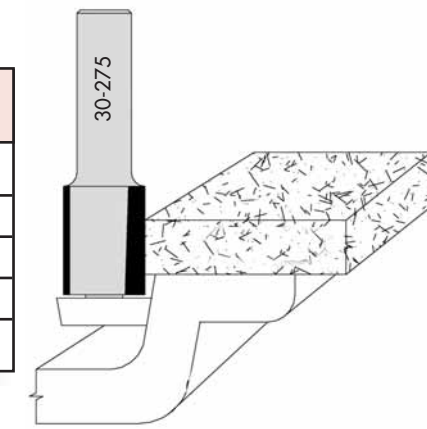


## Overhang Trim Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped — 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-275	CO19BVT	For 1/2" or 3/4" thick top
30-285	CO20BVT	For 1" thick top
30-295	CO21BVT	For 1 1/4" thick top
30-297	CO22BVT	For 1 1/2" thick top
12-510	VT-14-10°	Replacement VEL-VET TOUCH™ Bearing Guide

**NOTE:** WHEN FABRICATING A FOUNTAINHEAD® BOWL OR SINK, USE REPLACEMENT VEL-VET TOUCH™ COMP. NO. 12-485, STOCK NO. VT-14-5°

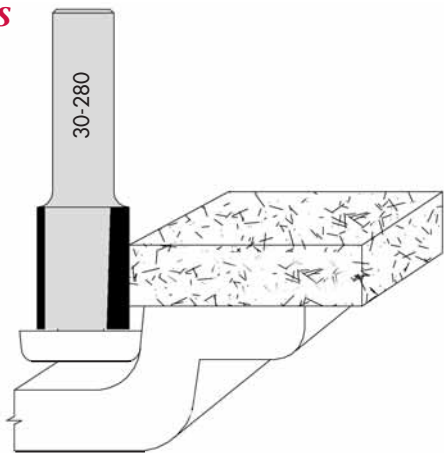




Overhang Trim Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-280	CO19BVTR	For 1/2" or 3/4" thick top
30-290	CO20BVTR	For 1" thick top
30-296	CO21BVTR	For 1 1/4" thick top
30-298	CO22BVTR	For 1 1/2" thick top
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

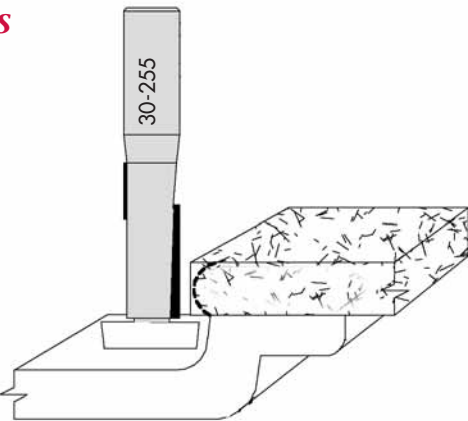
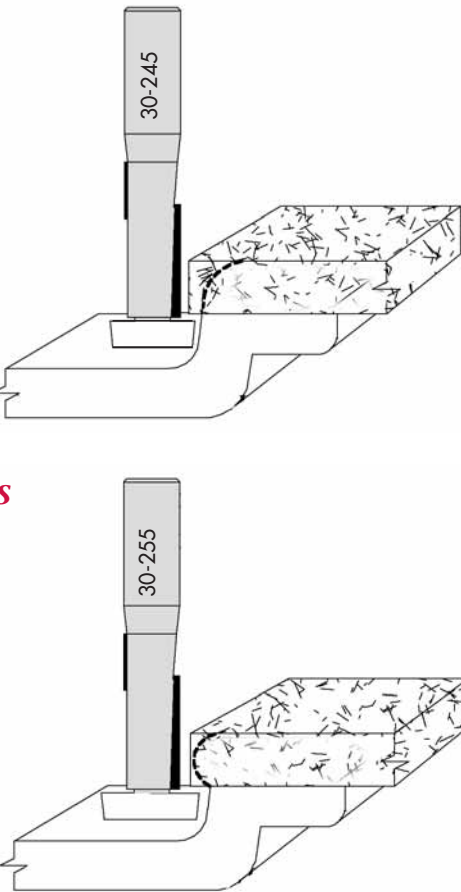


**NOTE:** TOOLS SUPPLIED WITH RADIUS BEARING AND RECESSED SCREW FOR LIMITED CLEARANCE APPLICATIONS SUCH AS FAUCET DECKS AND SHALLOW BOWL DIVIDES ON DOUBLE BOWL SINKS

Overhang Cut-Out Trim Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-245	SURB-8-12-5°	For 1/8" Overhang
12-395	VT-12-5°	Replacement VEL-VET TOUCH™ Bearing Guide
30-255	SURB-8-15-5°	For 7/32" Overhang
12-425	VT-15-5°	Replacement VEL-VET TOUCH™ Bearing Guide



Bevel Undermount Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

10° BEVEL BITS

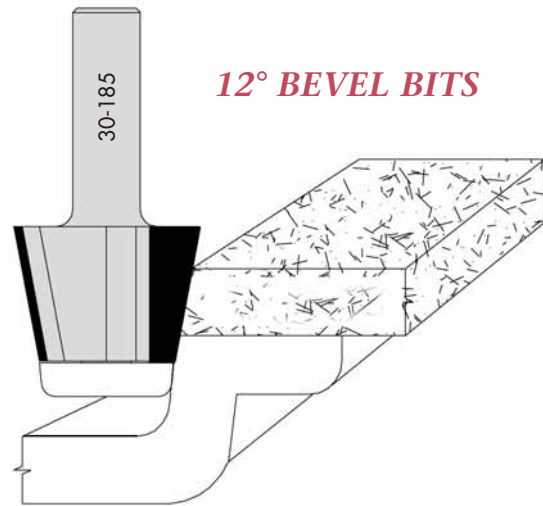
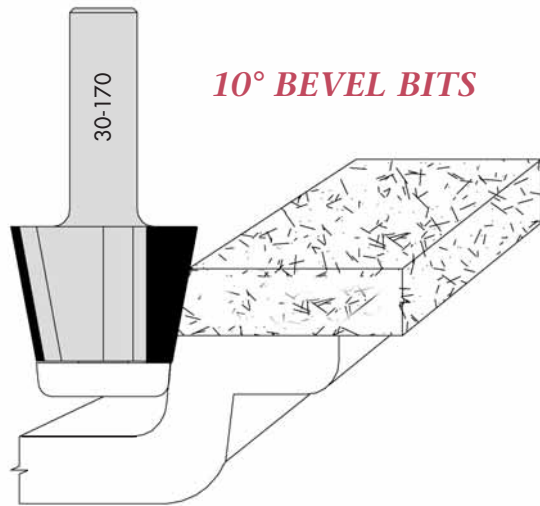
Comp No.	Stock No.	Used on Avonite®, Cerata®, Corian®, Sinks and Bowls
30-170	CBST10-CVTR	For 1/2" or 3/4" thick top
30-171	CBST10-DVTR	For 1" thick top
30-172	CBST10-EEVTR	For 1 1/2" thick top
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

**NOTE:** TOOLS SUPPLIED WITH RADIUS BEARING AND RECESSED SCREW FOR LIMITED CLEARANCE APPLICATIONS SUCH AS FAUCET DECKS AND SHALLOW BOWL DIVIDES ON DOUBLE BOWL SINKS

12° BEVEL BITS

Comp No.	Stock No.	Used on Royal Stone® Bowls, Gruber®, and Staron® Sinks and Bowls
30-185	CBST12-CVTR	For 1/2" or 3/4" thick top
30-186	CBST12-DVTR	For 1" thick top
30-187	CBST12-EEVTR	For 1 1/2" thick top
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

**NOTE:** TOOLS SUPPLIED WITH RADIUS BEARING AND RECESSED SCREW FOR LIMITED CLEARANCE APPLICATIONS SUCH AS FAUCET DECKS AND SHALLOW BOWL DIVIDES ON DOUBLE BOWL SINKS





Bevel Undermount Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

8° BEVEL BITS

Comp No.	Stock No.	Used on Cerata®, Surell® Bowls and Sinks
30-685	SUBE-8-CVT	For 1/2" or 3/4" thick top
12-485	VT14-5°	Replacement VEL-VET TOUCH™ Bearing Guide
30-690	SUBE-8-EEVT	For 1" to 1-1/2" thick top
12-520	VT-16-5°	Replacement VEL-VET TOUCH™ Bearing Guide

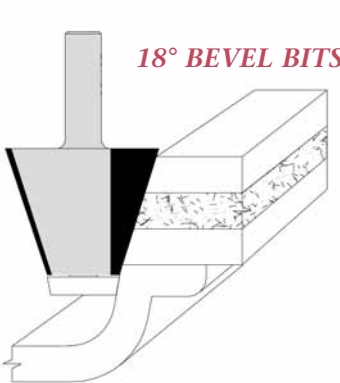
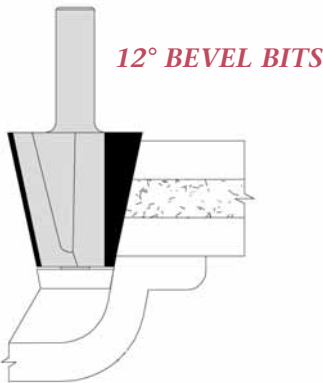
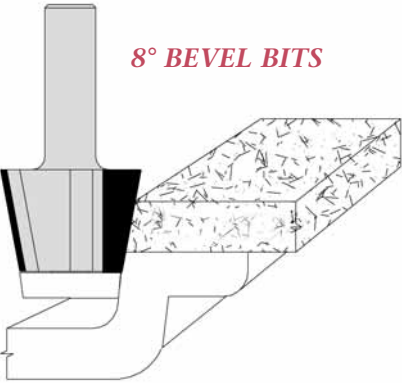
12° BEVEL BITS

Comp No.	Stock No.	Used on Corian® Bowls #802, #809, #871
30-180	CBST12-CVT	For 1/2" or 3/4" thick top
30-181	CBST12-DVT	For 1" thick top
30-182	CBST12-EEVT	For 1 1/2" thick top
12-510	VT-14-10°	Replacement VEL-VET TOUCH™ Bearing Guide
30-183	CBST12-FVT	For 2" thick top
12-525	VT-16-10°	Replacement VEL-VET TOUCH™ Bearing Guide

NOTE: 30-180 IS ALSO USED WITH SWANSTONE®

18° BEVEL BITS

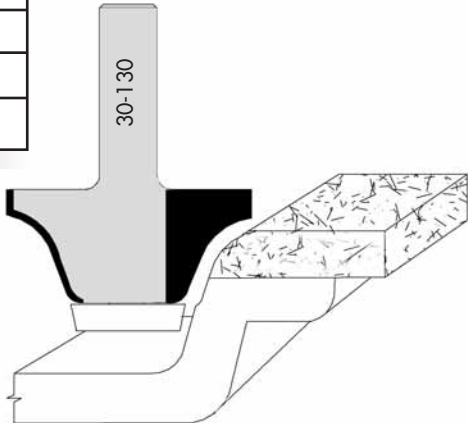
Comp No.	Stock No.	Used on Gibraltar® Sinks and Bowls and Corian® Bowl #810
30-190	CBST18-CVT	For 1/2" or 3/4" thick top
30-191	CBST18-DVT	For 1" thick top
30-192	CBST18-EEVT	For 1 1/2" thick top
12-525	VT-16-10°	Replacement VEL-VET TOUCH™ Bearing Guide



Roman Ogee Undermount Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT DUPONT CORIAN®  
Carbide Tipped - 1/2" Shank Diameter - 2 Flutes

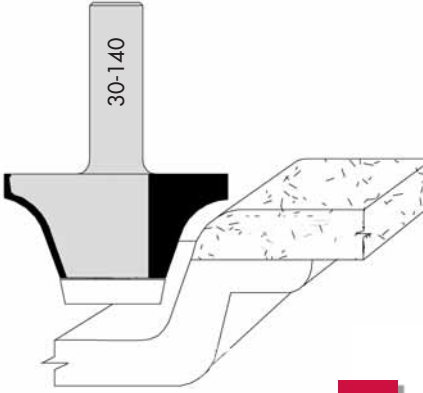
Comp No.	Stock No.	For Bowls No. 802, 809, 810, 871
30-129	COST20-8-6VT	3/8" Radius for 1/2" thick top
30-130	COST20-8-8VT	1/2" Radius for 1/2" thick top
30-131	COST20-12-12VT	3/4" Radius for 3/4" thick top
30-135	COST20-12-8VT	1/2" Radius for 3/4" thick top
30-136	COST20-16-8VT	1/2" Radius for 1" thick top
12-510	VT-14-10°	Replacement VEL-VET TOUCH™ Bearing Guide
30-132	COST20-20-8VT	1/2" Radius for 1 1/4" thick top
30-137	COST20-24-8VT	1/2" Radius for 1 1/2" thick top
12-405	VT-12-10°	Replacement VEL-VET TOUCH™ Bearing Guide



Rounding Over Undermount Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT DUPONT CORIAN®  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	For Bowls No. 802, 809, 810, 871
30-134	CRST20-8-6VT	3/8" Radius for 1/2" thick top
30-140	CRST20-8-8VT	1/2" Radius for 1/2" thick top
30-141	CRST20-12-12VT	3/4" Radius for 3/4" thick top
30-145	CRST20-12-8VT	1/2" Radius for 3/4" thick top
30-146	CRST20-16-8VT	1/2" Radius for 1" thick top
12-510	VT-14-10°	Replacement VEL-VET TOUCH™ Bearing Guide
30-142	CRST20-20-8VT	1/2" Radius for 1 1/4" thick top
30-147	CRST20-24-8VT	1/2" Radius for 1 1/2" thick top
12-405	VT-12-10°	Replacement VEL-VET TOUCH™ Bearing Guide



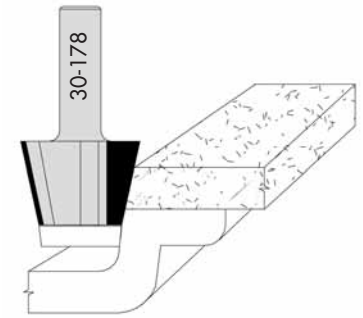
TFI® Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

Savannah Bowl Bit

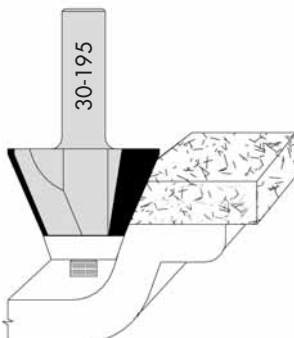
Comp No.	Stock No.	
30-178	FHST-12-CVT	
12-520	VT-16-5°	Replacement VEL-VET TOUCH™ Bearing Guide

NOTE: 30-178 can also be used on Fountainhead® Bowls and Sinks



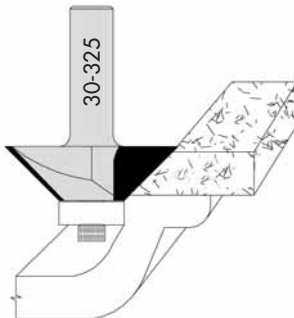
Manhattan Bowl Bit

Comp No.	Stock No.	
30-195	CBST-24-CVT	
12-195	VT-195	Replacement VEL-VET TOUCH™ Bearing Guide



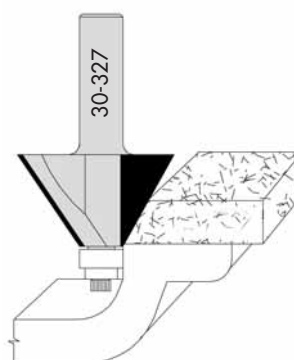
Lavanto Bowl Bit

Comp No.	Stock No.	
30-325	CF-45-10-8VT	
12-340	VT-12-4	Replacement VEL-VET TOUCH™ Bearing Guide



Nantucket Bowl Bit

Comp No.	Stock No.	
30-327	CF-30-8VT	
12-307	VTA-8-3	Replacement VEL-VET TOUCH™ Bearing Guide



Rounding Over Undermount Bowl Bits

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

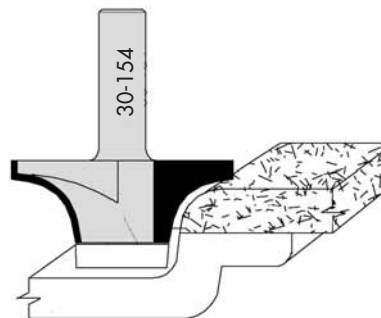
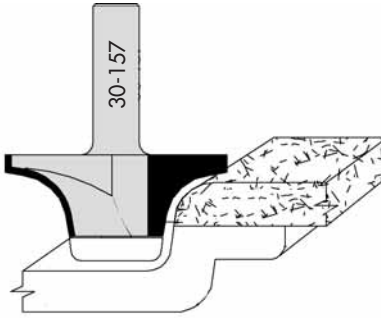
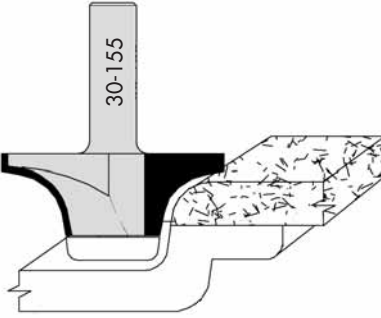
Comp No.	Stock No.	Used on Avonite®, Corian®, Fountainhead® and Formica® Bowls, Transolid® and Hi-Macs® Sinks
30-150	CRST10-8-6VTR	3/8" Radius for 1/2" thick top
30-155	CRST10-8-8VTR	1/2" Radius for 1/2" thick top
30-160	CRST10-12-8VTR	1/2" Radius for 3/4" thick top
30-165	CRST10-12-12VTR	3/4" Radius for 3/4" thick top
30-166	CRST10-16-8VTR	1/2" Radius for 1" thick top
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

NOTE: TOOLS SUPPLIED WITH RADIUS BEARING AND RECESSED SCREW FOR LIMITED CLEARANCE APPLICATIONS SUCH AS FAUCET DECKS AND SHALLOW BOWL DIVIDES ON DOUBLE BOWL SINKS

Comp No.	Stock No.	Used on Gruber® Bowls and Sinks, Royal Stone®, Transolid® and Hi-Macs® Bowls
30-152	CRST13-8-6VTR	3/8" Radius for 1/2" thick top
30-157	CRST13-8-8VTR	1/2" Radius for 1/2" thick top
30-161	CRST13-12-8VTR	1/2" Radius for 3/4" thick top
30-164	CRST13-12-12VTR	3/4" Radius for 3/4" thick top
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

NOTE: TOOLS SUPPLIED WITH RADIUS BEARING AND RECESSED SCREW FOR LIMITED CLEARANCE APPLICATIONS SUCH AS FAUCET DECKS AND SHALLOW BOWL DIVIDES ON DOUBLE BOWL SINKS

Comp No.	Stock No.	Used on Cerata® Bowls and Corian® Bowl #810
30-151	CRST10-8-6VT	3/8" Radius for 1/2" thick top
30-154	CRST10-8-8VT	1/2" Radius for 1/2" thick top
30-159	CRST10-12-8VT	1/2" Radius for 3/4" thick top
30-167	CRST10-12-12VT	3/4" Radius for 3/4" thick top
12-520	VT-16-5°	Replacement VEL-VET TOUCH™ Bearing Guide

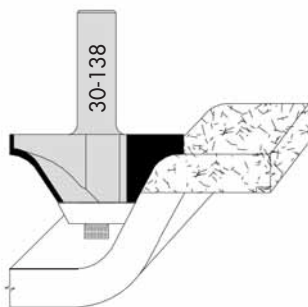




## Rounding Over Undermount Bowl Bit

with VEL-VET TOUCH™ Bearing Guide  
for AVONITE® SALERNO BOWL  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

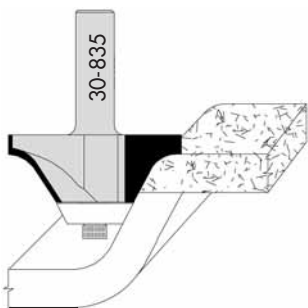
Comp No.	Stock No.	
30-138	ARST-33-12-8VT	To Cut 1/2" thick Top
12-540	VT-16-30°	Replacement VEL-VET TOUCH™ Bearing Guide



## Rounding Over Undermount Bowl Bit

with VEL-VET TOUCH™ Bearing Guide  
for 835 & 836 CORIAN® BOWLS  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

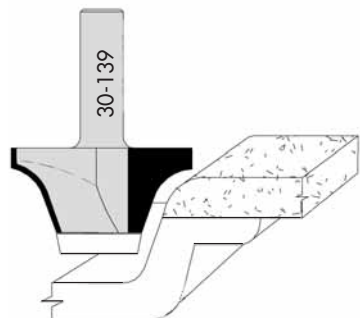
Comp No.	Stock No.	
30-835	CRST-835	For Bowl # 835
12-535	VT-835	VEL-VET TOUCH™ Bearing Guide
30-836	CRST-836	For Bowl #836
12-536	VT-836	VEL-VET TOUCH™ Bearing Guide



## Rounding Over Bit

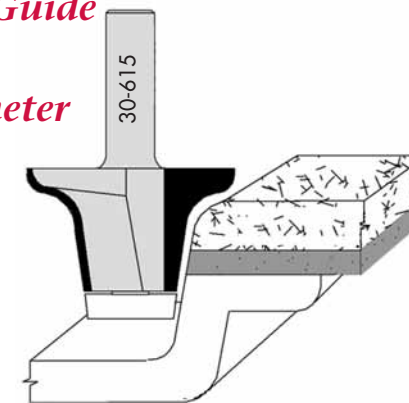
with VEL-VET TOUCH™ Bearing Guide  
for FOUNTAINHEAD® Lavatory Bowls & Kitchen Sinks  
Carbide Tipped - 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-139	FHST-5-8-12VT	To Cut 1/2" thick top
30-144	FHST-5-12-12VT	To Cut 3/4" thick top
30-148	FHST-5-16-12VT	To Cut 1" thick top
12-485	VT-14-5°	Replacement VEL-VET TOUCH™ Bearing Guide



## Rounding Over Undermount Bowl Bit

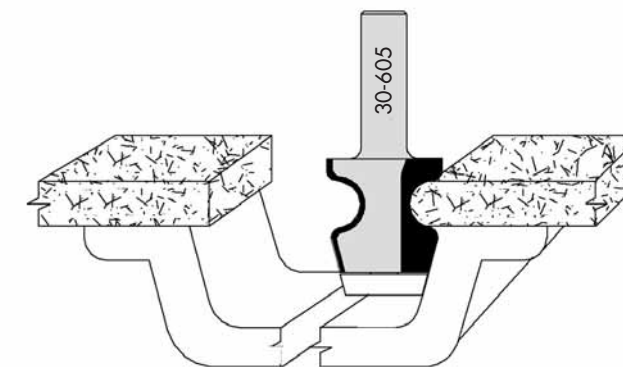
with VEL-VET TOUCH™ Bearing Guide  
for SURELL® Bowls and Sinks  
Carbide Tipped - 1/2" Shank Diameter



Comp No.	Stock No.	
30-615	SURO 8-12-6VT	For 1/2" and 3/4" thick top
30-622	SURO 8-12-12VT	For 3/4" thick top
30-626	SURO 8-16-12VT	For 1" thick top
12-425	VT-15-5°	Replacement VEL-VET TOUCH™ Bearing Guide

## Bull Nose Bit

with VEL-VET TOUCH™ Bearing Guide  
TO CUT SOLID SURFACE  
Carbide Tipped - 1/2" Shank Diameter



Comp No.	Stock No.	
30-604	SUBN-8-8-3VT	To cut Avonite®, Surell® Lavatory Bowls & Sinks
30-605	SUBN-8-12-4VT	To cut Avonite®, Cerata®, Surell® Lavatory Bowls & Sinks
12-425	VT-15-5°	Replacement VEL-VET TOUCH™ Bearing Guide
30-606	COBN-10-8-4VT	To cut Corian® Undermount Bowls & Sinks
12-606	VT-606	Replacement VEL-VET TOUCH™ Bearing Guide
30-607	GOBN-15-8-4VT	To cut Wilsonart® Vanity Sinks
12-607	VT-607	Replacement VEL-VET TOUCH™ Bearing Guide



### Rounding Over Undermount Lavatory Bowl Bit

with VEL-VET TOUCH™ Bearing Guide for GIBALTAR®  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-133	GRST-20-8-8VT	For 1/2" thick top
12-495	VT-14-15°	Replacement VEL-VET TOUCH™ Bearing Guide

### Rounding Over Undermount Bowl Bit

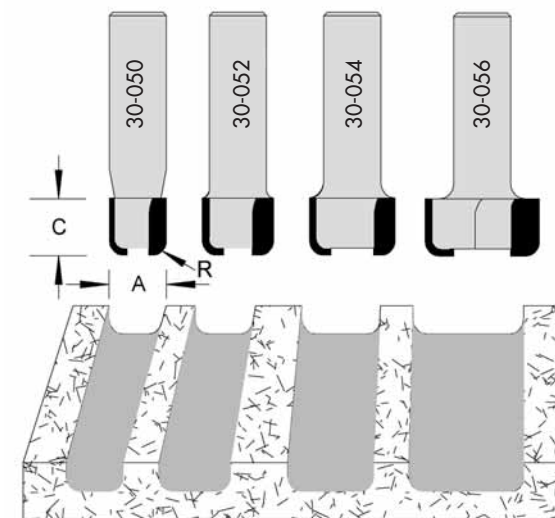
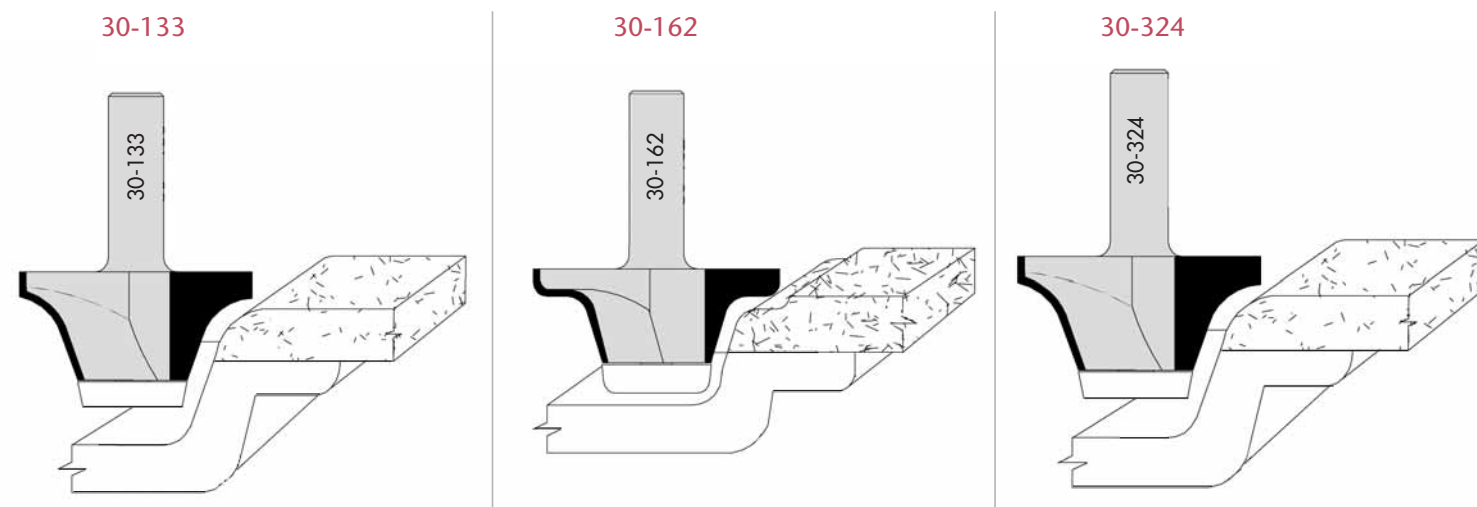
with VEL-VET TOUCH™ Bearing Guide for WILSONART® SSV  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-162	CRST-13-8-3VTR	
12-515	VT-16-5°R	Replacement VEL-VET TOUCH™ Bearing Guide

### Rounding Over Undermount Lavatory Bowl Bit

with VEL-VET TOUCH™ Bearing Guide for WILSONART® Kitchen Sinks  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-324	WGST-20-8-8VT	For BD 324 Kitchen Sinks, BV-125 Lavatory Bowls
12-324	VT-324	Replacement VEL-VET TOUCH™ Bearing Guide



### Drainboard Bits

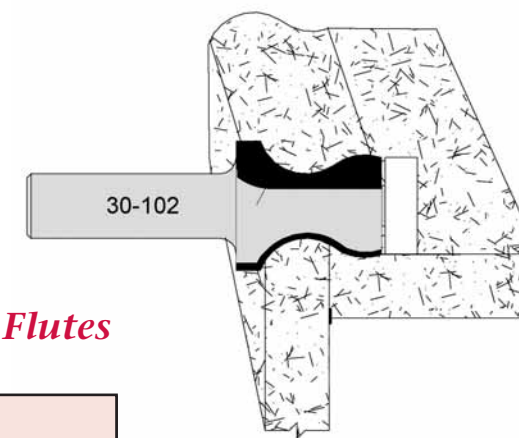
for Routing Drainboard Countertops  
Carbide Tipped – 1/2" Shank Diameter - 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius
30-050	DB-8-8-2R	1/2"	1/2"	1/2"	1/8"
30-052	DB-10-8-2R	5/8"	1/2"	1/2"	1/8"
30-054	DB-12-8-2R	3/4"	1/2"	1/2"	1/8"
30-056	DB-16-8-2R	1"	1/2"	1/2"	1/8"

### Counter Top Bits

NO DRIP DESIGN  
Carbide Tipped – 1/2" Shank Diameter - 2 Flutes

Comp No.	Stock No.	
30-100	CND-8-8	w/Steel Bearing Guide
30-102	CND-8-8VT	w/VEL-VET TOUCH™ Bearing Guide
30-105	CND-16-8	w/Steel Bearing Guide
30-107	CND-16-8VT	w/VEL-VET TOUCH™ Bearing Guide
12-165	B-15	Replacement Steel Bearing Guide
12-340	VT-12-4	Replacement VEL-VET TOUCH™ Bearing Guide

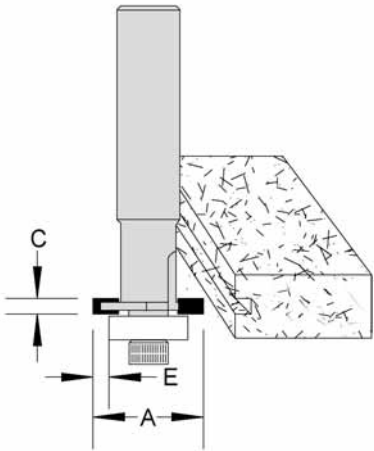




Face Inlay Bits

with Steel Ball Bearing Guide  
Carbide Tipped – 1/2" Shank Diameter - 2 Flutes

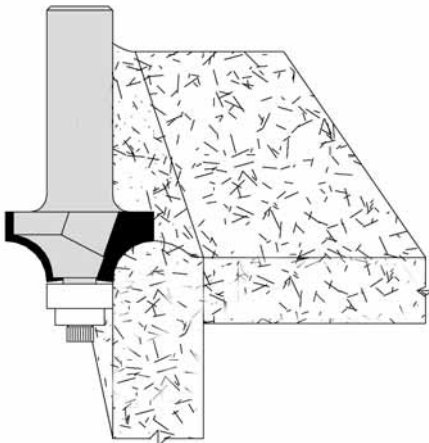
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Kerf	E Inlay Depth
30-201	CGT-2-8-1	7/8"	1/2"	1/8"	1/16"
30-202	CGT-2-8-2	7/8"	1/2"	1/8"	1/8"
30-203	CGT-2-8-3	7/8"	1/2"	1/8"	3/16"
30-211	CGT-4-8-1	7/8"	1/2"	1/4"	1/16"
30-212	CGT-4-8-2	7/8"	1/2"	1/4"	1/8"
30-213	CGT-4-8-3	7/8"	1/2"	1/4"	3/16"
30-221	CGT-6-8-1	7/8"	1/2"	3/8"	1/16"
30-222	CGT-6-8-2	7/8"	1/2"	3/8"	1/8"
30-223	CGT-6-8-3	7/8"	1/2"	3/8"	3/16"
30-231	CGT-8-8-1	7/8"	1/2"	1/2"	1/16"
30-232	CGT-8-8-2	7/8"	1/2"	1/2"	1/8"
30-233	CGT-8-8-3	7/8"	1/2"	1/2"	3/16"
30-241	CGT-8.02-8-1	7/8"	1/2"	.520"	1/16"
30-242	CGT-8.02-8-2	7/8"	1/2"	.520"	1/8"
30-243	CGT-8.02-8-3	7/8"	1/2"	.520"	3/16"
30-251	CGT-12-8-1	7/8"	1/2"	3/4"	1/16"
30-252	CGT-12-8-2	7/8"	1/2"	3/4"	1/8"
30-253	CGT-12-8-3	7/8"	1/2"	3/4"	3/16"
12-165	B-15	For 1/16" Inlay Depth			
12-160	B-14	For 1/8" Inlay Depth			
12-120	B-6	For 3/16" Inlay Depth			



Rounding Over Bits

with VEL-VET TOUCH™ Bearing Guide Assembly  
Carbide Tipped – 1/2" Shank Diameter - 2 Flutes  
used in combination with above  
30-110 CNDL-12-4, 30-115 CNDL-12-8

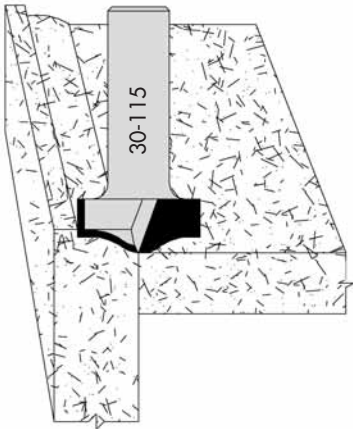
Comp No.	Stock No.	
30-345	CRO-5-4	1/4" Shank x 5/16" Radius
30-350	CRO-5-8	1/2" Shank x 5/16" Radius
12-145	B-11	Replacement Steel Bearing
30-347	CRO-5-4VT	1/4" Shank x 5/16" Radius
30-352	CRO-5-8VT	1/2" Shank x 5/16" Radius
12-307	VTA-8-3	Replacement VEL- VET TOUCH™ Bearing Guide



"L" Shape Counter Top Bits

NO DRIP DESIGN TO CUT SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter - 2 Flutes

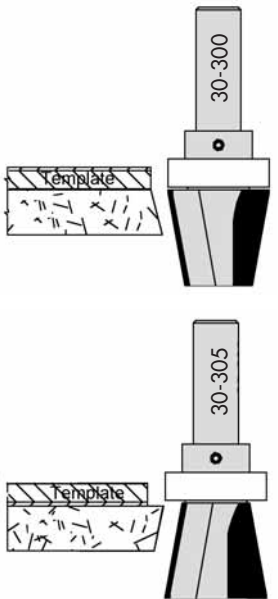
Comp No.	Stock No.	Shank Diameter
30-110	CNDL-12-4	1/4"
30-115	CNDL-12-8	1/2"



Solid Surface Repair Set

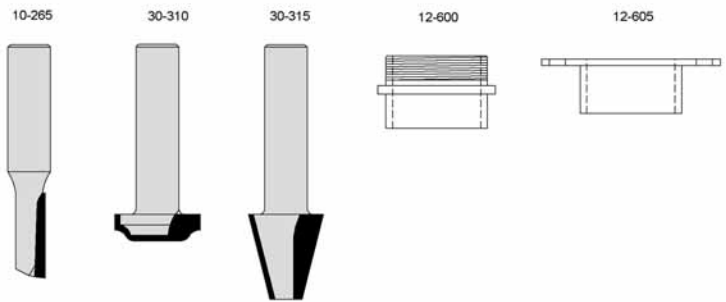
TO CUT SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

Comp No.	Stock No.	
30-300	TMB-1	Bevel Cut
30-305	TMD-2	Dovetail Cut
12-170	B-18	Replacement Steel Bearing Guide



Euro-Topmount Router Bit Set

TO CUT SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes



Comp No.	Stock No.	
10-265	6-8-C1	Plunge Cutting, 3/8" Diameter, 1 Flute
30-310	TMOG-24	Ogee Form Bit, 2 Flutes
30-315	TM-15	Bevel bit, 2 Flutes
12-600	TMPC-1	Porter Cable 30mm Router Guide
12-605	TMBO-1	Bosch 30mm Router Guide



VELEPEC™

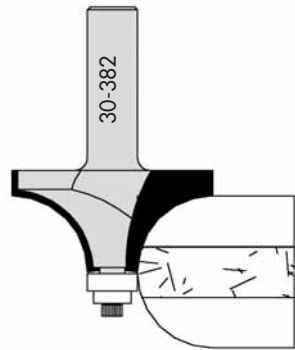
## Bull Nose Router Bit Set

TO CUT SOLID SURFACE COUNTER TOP  
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes

### Rounding Over Bit with VEL-VET TOUCH™ Bearing Guide Assembly

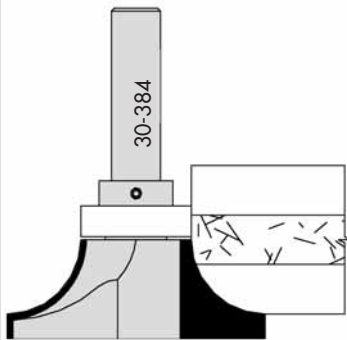
Comp No.	Stock No.	
30-332	CRO-2-8VT	1/8" Radius for 1/4" thick top
30-342	CRO-4-8VT	1/4" Radius for 1/2" thick top
30-362	CRO-6-8VT	3/8" Radius for 3/4" thick top
30-372	CRO-8-8VT	1/2" Radius for 1" thick top
30-377	CRO-10-8VT	5/8" Radius for 1 1/4" thick top
30-382	CRO-12-8VT	3/4" Radius for 1 1/2" thick top
30-383	CRO-13-8VT	13/16" Radius for 1 5/8" thick top
12-307	VTA8-3	Replacement VEL-VET TOUCH™ Bearing Guide Assembly
12-145	B-11	Replacement Steel Bearing Guide

**NOTE:** WHEN ORDERING WITH STEEL BEARING, DROP THE VT FROM THE STOCK NO. AND GO DOWN TWO NUMBERS. EXAMPLE: CRO-12-8 (30-380).



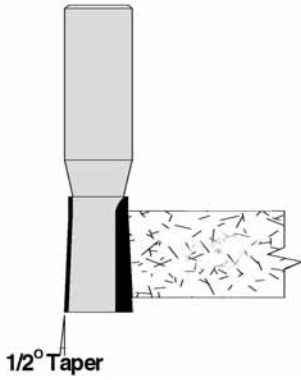
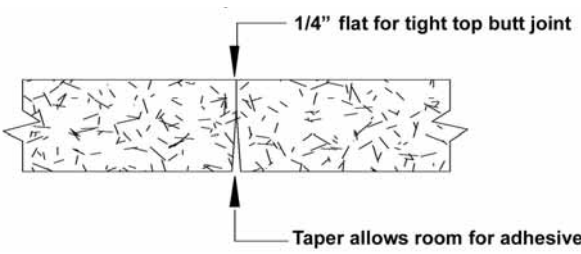
### Under Rounding Over Bit with Steel Bearing

Comp No.	Stock No.	
30-343	CURO-2-8	1/8" Radius for 1/4" thick top
30-344	CURO-4-8	1/4" Radius for 1/2" thick top
30-364	CURO-6-8	3/8" Radius for 3/4" thick top
30-374	CURO-8-8	1/2" Radius for 1" thick top
30-379	CURO-10-8	5/8" Radius for 1 1/4" thick top
30-384	CURO-12-8	3/4" Radius for 1 1/2" thick top
30-385	CURO-13-8	13/16" Radius for 1 5/8" thick top
12-170	B-18	Replacement Steel Bearing Guide



## Solid Surface Seaming Bit

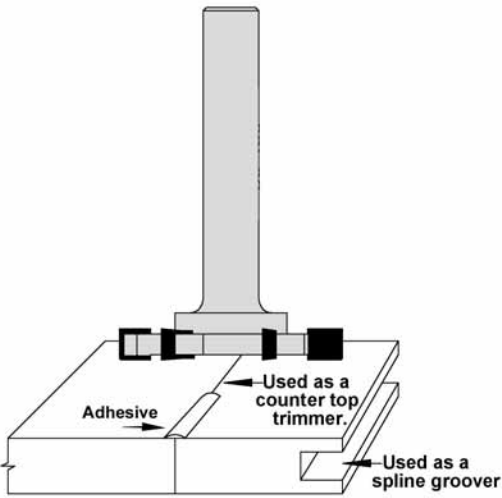
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes



Comp No.	Stock No.	Cutting Length
30-400	COS-11	1"
30-405	COS-12	1-1/4"
30-410	COS-13	1-1/2"
30-415	COS-15	2"

## Counter Top Trimmer and Grooving Router Bit

FOR SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter – 6 Wing



The 30-450 can be used for two separate operations. First when used in a router mounted on "skis" it can trim the excess adhesive squeezed out on a solid surface counter top. This tool can also be used as a spline groover, for routing a 1/4" wide slot.

Comp No.	Stock No.	
30-450	CNT-6-8L	6 Wing Trimmer, 1/2" Shank Diameter

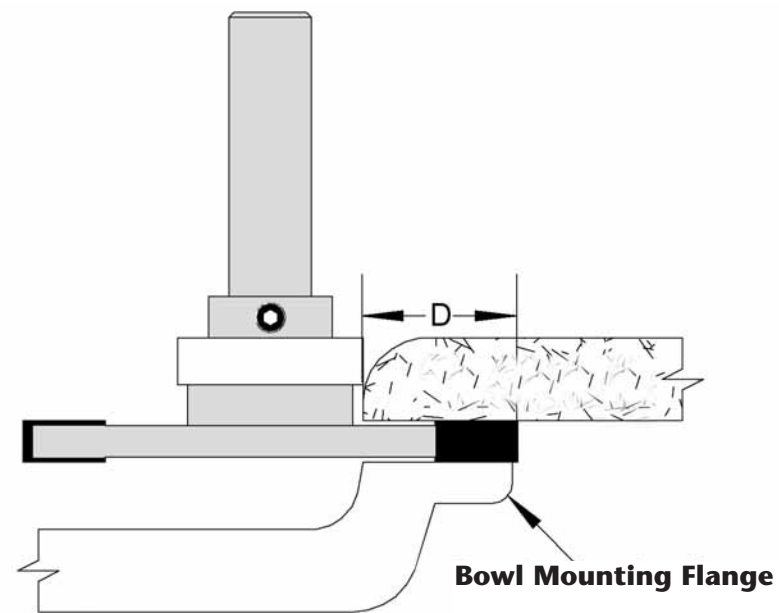




## 4 Wing Bowl Removal Bits

Carbide Tipped – 1/2" Shank Diameter

These tools are used to remove a damaged solid surface bowl from the countertop.

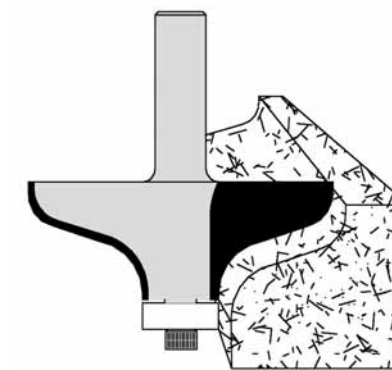


Comp No.	Stock No.	Description	D
30-465	CPC-250-8	For all Bowls except Corian®	1-1/16"
12-550	VT-30/B-18	Replacement VEL-VET TOUCH™ Bearing Guide	
30-466	CPC-250-8/B-18	Steel Bearing for increased depth of cut	1-1/4"
12-170	B- 18	Replacement Steel Bearing Guide	
30-470	CPC-187-8	For Corian® Bowls only	15/16"
12-170	B-18	Replacement Steel Bearing Guide	

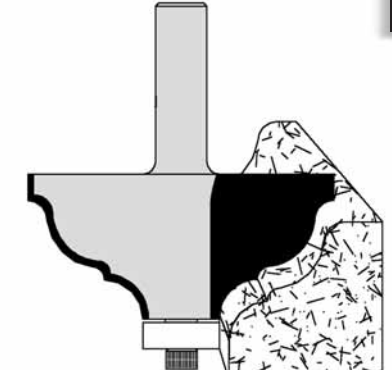
NOTE: MAXIMUM RECOMMENDED ROUTER-OPERATING SPEED NOT TO EXCEED 12,000 RPM.

## Edge Profile Bits

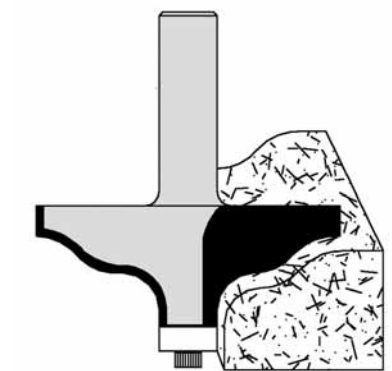
FOR SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter  
– 2 Flutes with Ball Bearing Guide



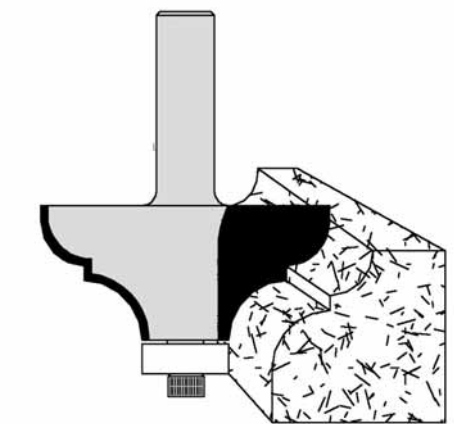
**MERRICK 60-101**  
3" CUTTING DIAMETER,  
1-1/8" CUTTING LENGTH



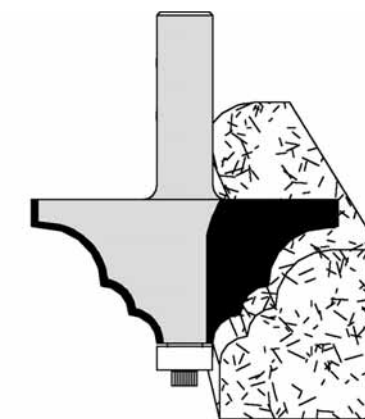
**BAYSIDE 60-104**  
3" CUTTING DIAMETER,  
1-3/8" CUTTING LENGTH



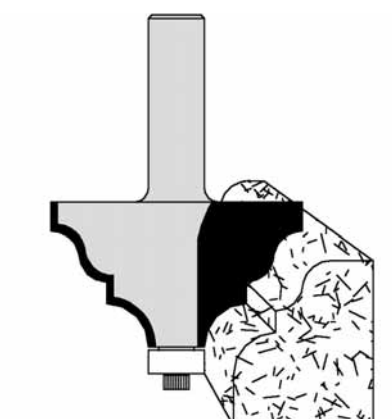
**BALDWIN 60-102**  
2-5/8" CUTTING DIAMETER,  
1" CUTTING LENGTH



**MONTAUK 60-105**  
2-1/2" CUTTING DIAMETER,  
1-1/8" CUTTING LENGTH



**HILLSIDE 60-103**  
2-3/4" CUTTING DIAMETER,  
1-1/4" CUTTING LENGTH

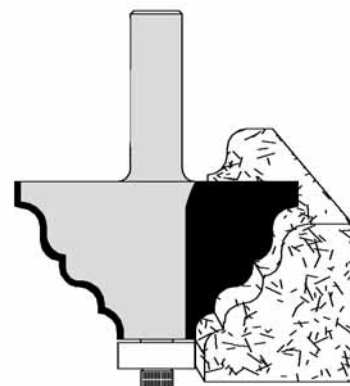


**BELMONT 60-106**  
2-1/4" CUTTING DIAMETER,  
1-1/4" CUTTING LENGTH

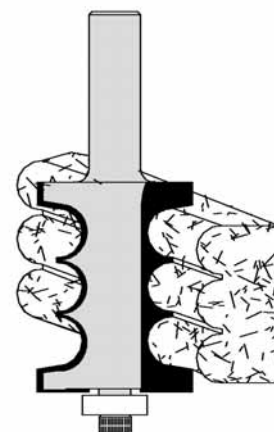


## Edge Profile Bits

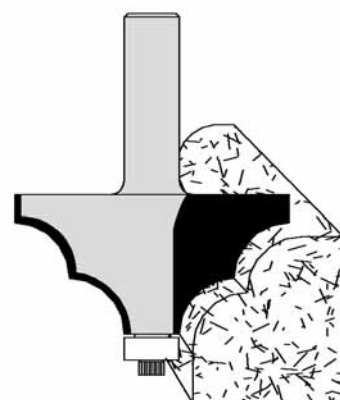
FOR SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter  
– 2 Flutes with Ball Bearing Guide



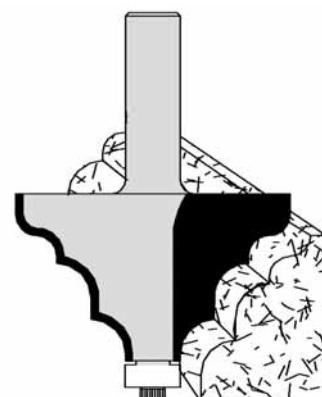
**BARKER 60-107**  
2-3/4" CUTTING DIAMETER,  
1-1/2" CUTTING LENGTH



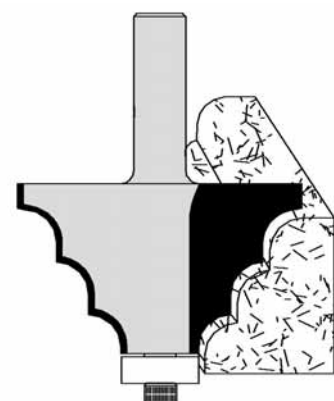
**OLYMPIA 60-110**  
1-1/2" CUTTING DIAMETER,  
2" CUTTING LENGTH



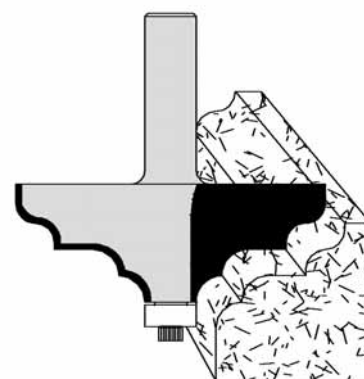
**HAMPTON 60-108**  
2-1/2" CUTTING DIAMETER,  
1-1/4" CUTTING LENGTH



**HUNTER 60-111**  
2-1/2" CUTTING DIAMETER,  
1-1/2" CUTTING LENGTH



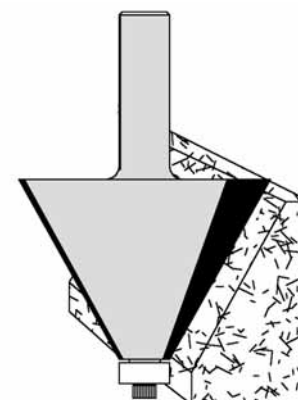
**HILLCREST 60-109**  
2-3/4" CUTTING DIAMETER,  
1-5/8" CUTTING LENGTH



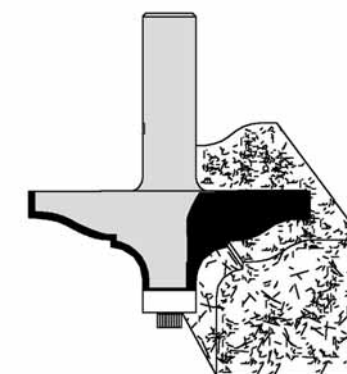
**HUDSON 60-112**  
3" CUTTING DIAMETER,  
1-1/8" CUTTING LENGTH

## Edge Profile Bits

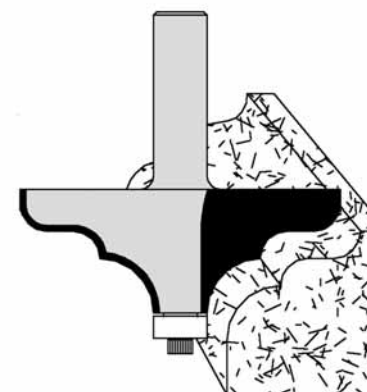
FOR SOLID SURFACE  
Carbide Tipped – 1/2" Shank Diameter  
– 2 Flutes with Ball Bearing Guide



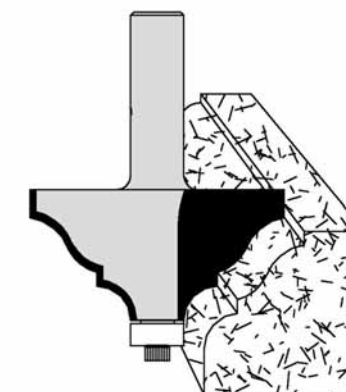
**CLIFTON 60-113**  
2-1/2" CUTTING DIAMETER,  
1-3/4" CUTTING LENGTH



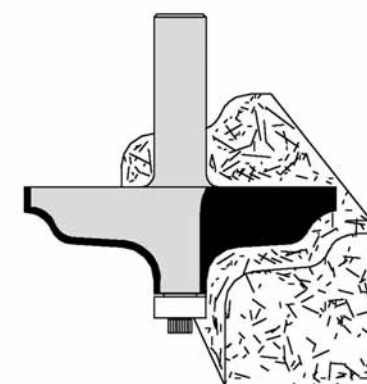
**BAXTER 60-116**  
2-1/2" CUTTING DIAMETER,  
7/8" CUTTING LENGTH



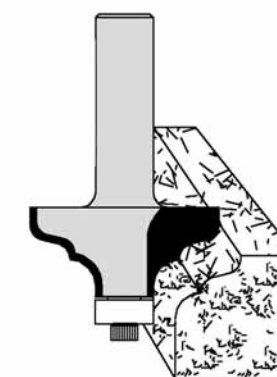
**HAMILTON 60-114**  
3" CUTTING DIAMETER,  
1-1/8" CUTTING LENGTH



**BUTLER 60-117**  
2-3/8" CUTTING DIAMETER,  
1-3/16" CUTTING LENGTH



**HANOVER 60-115**  
3-1/8" CUTTING DIAMETER,  
1" CUTTING LENGTH



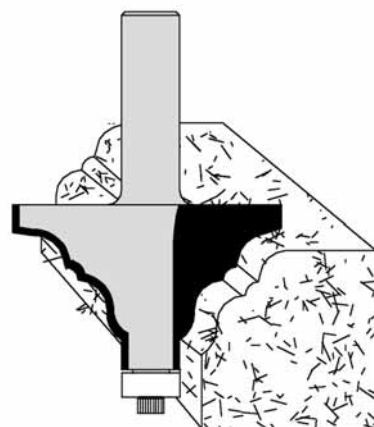
**HAMLET 60-118**  
1-11/16" CUTTING DIAMETER,  
3/4" CUTTING LENGTH



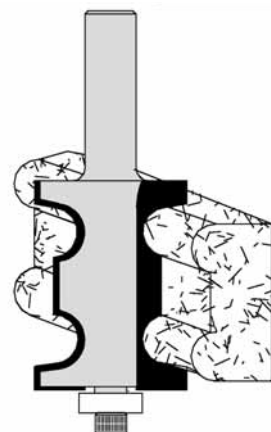


## Edge Profile Bits

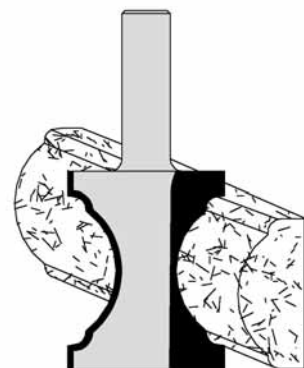
**FOR SOLID SURFACE**  
 Carbide Tipped – 1/2" Shank Diameter  
 – 2 Flutes with Ball Bearing Guide



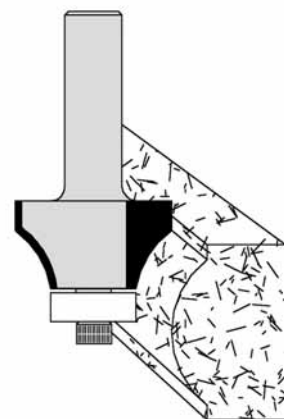
**BRADLEY 60-119**  
 2-1/4" CUTTING DIAMETER,  
 1-3/8" CUTTING LENGTH



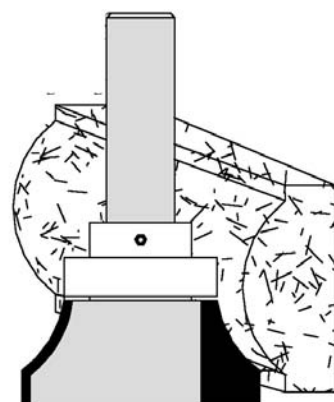
**OAKDALE 60-120**  
 1-1/2" CUTTING DIAMETER,  
 2" CUTTING LENGTH



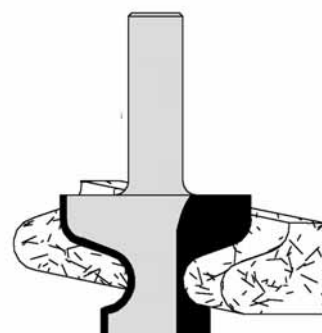
**ONTARIO 60-121**  
 1-5/8" CUTTING DIAMETER,  
 2" CUTTING LENGTH



**N. OCEAN 60-122**  
 1-3/8" CUTTING DIAMETER,  
 3/4" CUTTING LENGTH



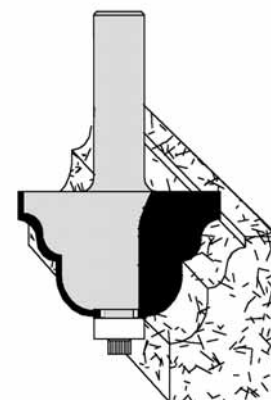
**S. OCEAN 60-123**  
 1-3/4" CUTTING DIAMETER,  
 3/4" CUTTING LENGTH



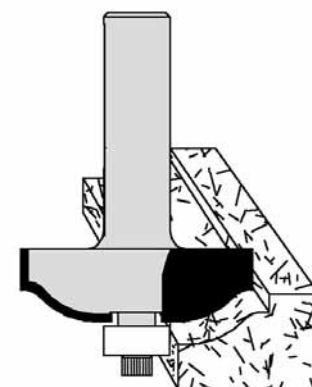
**WALTON 60-124**  
 1-3/4" CUTTING DIAMETER,  
 1-1/4" CUTTING LENGTH

## Edge Profile Bits

**FOR SOLID SURFACE**  
 Carbide Tipped – 1/2" Shank Diameter  
 – 2 Flutes with Ball Bearing Guide



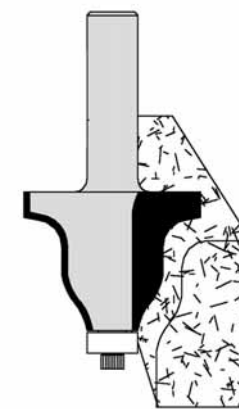
**BENTLY 60-125**  
 2" CUTTING DIAMETER,  
 1-1/8" CUTTING LENGTH



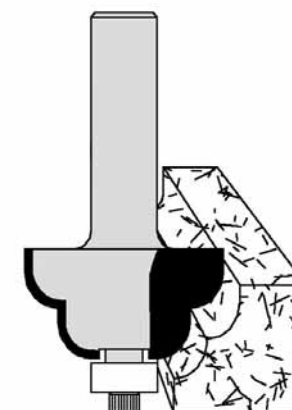
**HAMBURG 60-126**  
 1-3/4" CUTTING DIAMETER,  
 1/2" CUTTING LENGTH



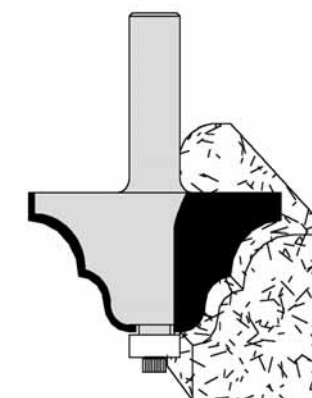
**MANOR 60-127**  
 2-1/8" CUTTING DIAMETER,  
 1" CUTTING LENGTH



**BEVERLY 60-128**  
 1-3/4" CUTTING DIAMETER,  
 1-1/4" CUTTING LENGTH



**BOSWELL 60-129**  
 1-1/2" CUTTING DIAMETER,  
 3/4" CUTTING LENGTH

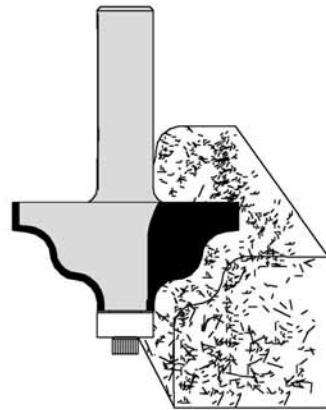


**BANGOR 60-130**  
 2-1/2" CUTTING DIAMETER,  
 1-1/4" CUTTING LENGTH

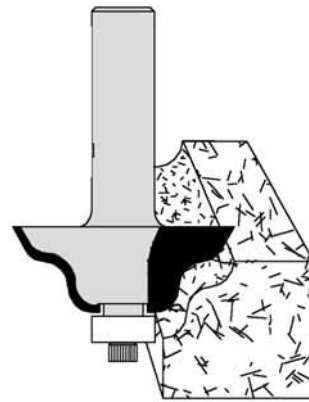


## Edge Profile Bits

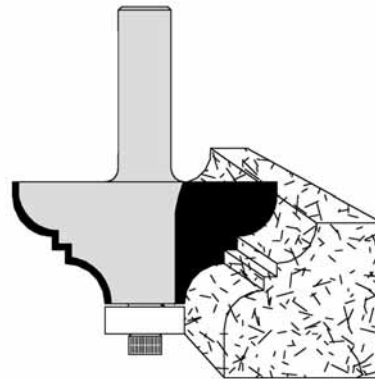
**FOR SOLID SURFACE**  
Carbide Tipped – 1/2" Shank Diameter  
– 2 Flutes with Ball Bearing Guide



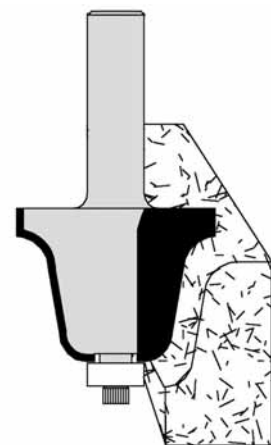
**BROOKS 60-131**  
2" CUTTING DIAMETER,  
7/8" CUTTING LENGTH



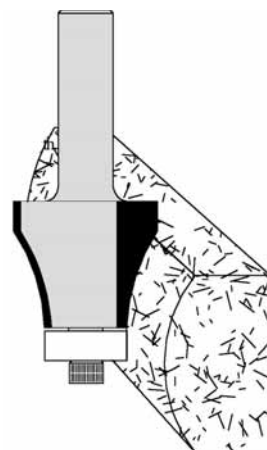
**SPANISH 60-134**  
1-3/4" CUTTING DIAMETER,  
5/8" CUTTING LENGTH



**MONARCH 60-132**  
2-1/2" CUTTING DIAMETER,  
1-1/8" CUTTING LENGTH



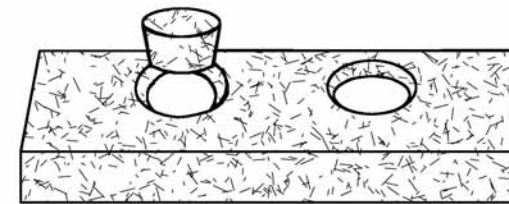
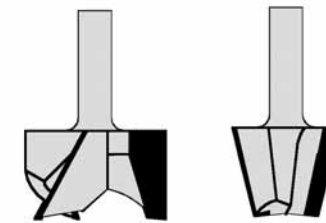
**HIALEAH 60-133**  
1-3/4" CUTTING DIAMETER,  
1-1/4" CUTTING LENGTH



**GLENDALE 60-135**  
1-5/16" CUTTING DIAMETER,  
1-1/16" CUTTING LENGTH

## Plug Cutter Repair Set

Carbide Tipped – 1/2" Shank Diameter



Comp. No. 60-175 • Stock No. PCS-175

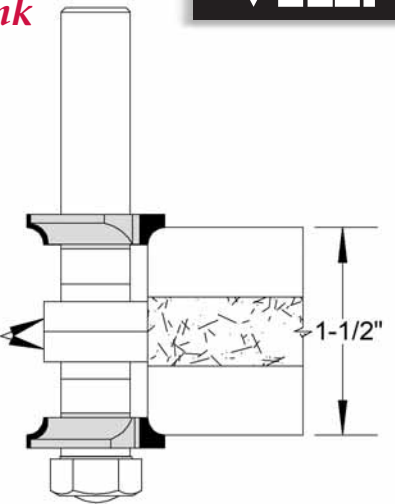
This is a must have set for doing repairs in Solid Surface. The bevel bit cuts a tapered hole in the surface to be repaired, for example a deep gouge in the countertop, or a faucet hole that has been drilled in the wrong location. The 3 flute plug cutter cuts the corresponding tapered plug, that when finished will give virtually undetectable repair. Effective for repairs up to 1-3/4" in diameter.

## Corner Round Cooktop Bit Assembly

Carbide Tipped  
– 1/2" Shank Diameter

Comp. No. 60-300

B - 4 Guide Bearings



This tool is designed to round over both the top and bottom of an opening in the counter top in just one pass, such as a faucet hole or a cooktop cut-out. Supplied with spacers that enable the tool to be used on 1/2", 3/4", 1", 1-1/4" and 1-1/2" thick material.

## Tongue & Groove Set

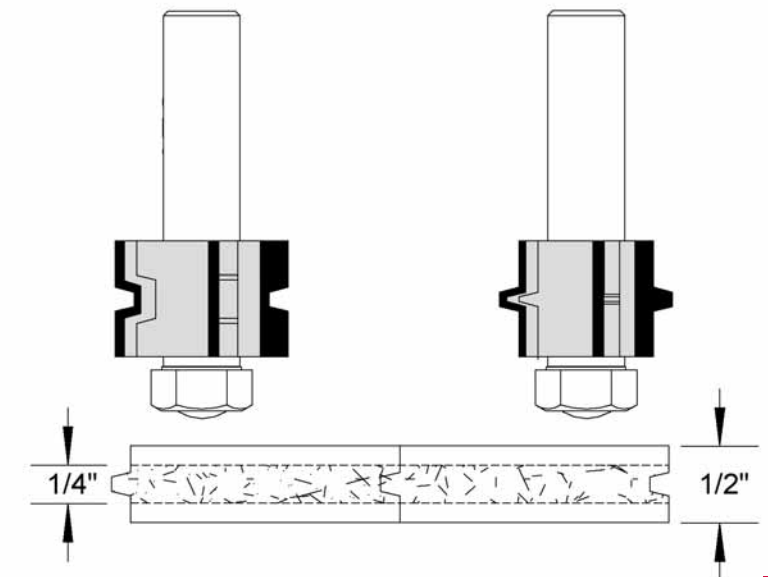
**FOR SEAMING SOLID SURFACE MATERIAL**  
Carbide Tipped – 1/2" Shank Diameter

Tongue & Groove set for joining 1/4" or 1/2" thick Solid Surface Material.

Comp. No. 60-250

- 4 Flutes for a VEL-VET smooth cut
- Increased surface area for adhesive
- Strong water tight joint
- Easy set-up

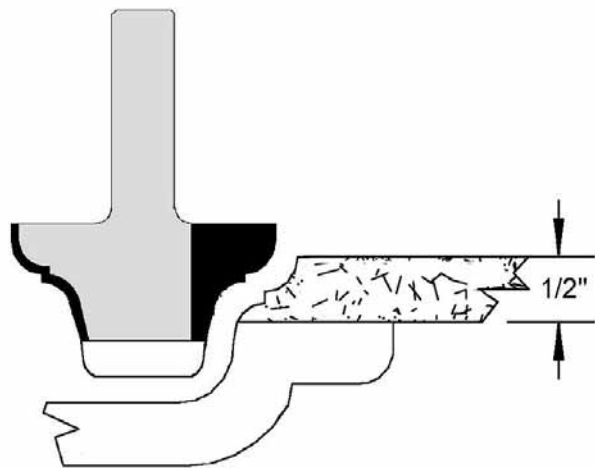
**NOTE:** TO OBTAIN OPTIMUM RESULTS, WE RECOMMEND THESE TOOLS TO BE USED IN A ROUTER TABLE OR CNC ROUTER



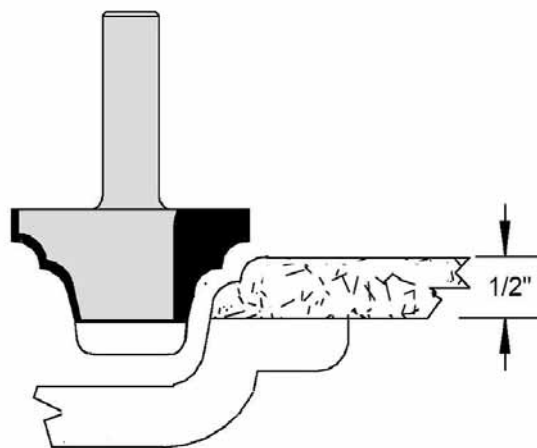


Solid Surface Sink & Bowl Profile Bits

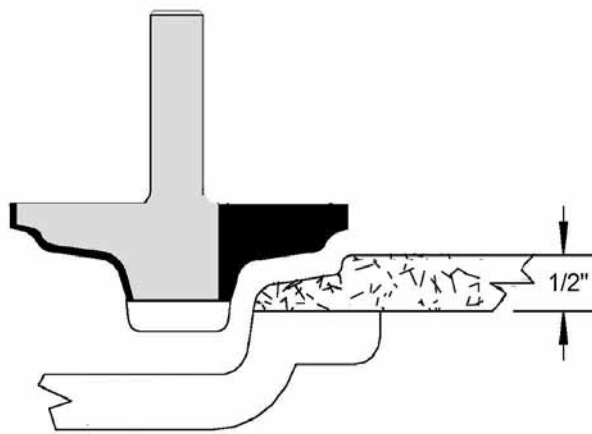
Carbide Tipped – 1/2" Shank Diameter – 2 Flutes



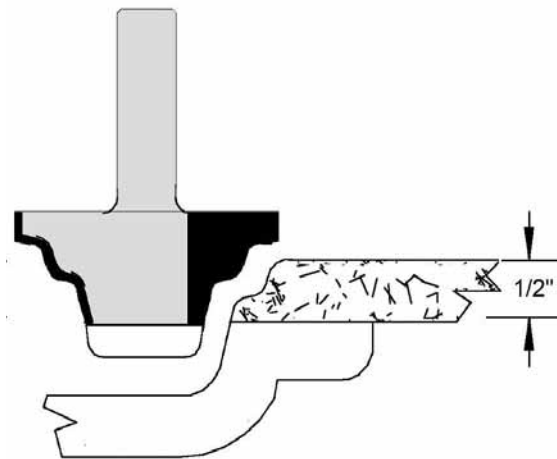
MONTAUK BOWL BIT  
61-105



HAMPTON BOWL BIT  
61-108



HANOVER BOWL BIT  
61-115



BROOKS BOWL BIT  
61-131

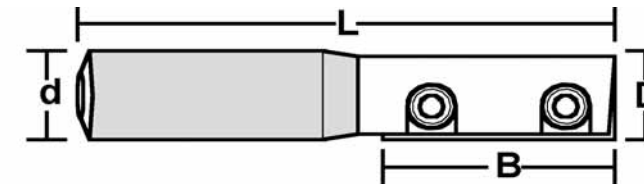
These new bowl fabrication router bits offer an unique alternative to the usual roundover design on the countertop. The tools were designed to be used on 1/2" thick material and will work on both kitchen sink and lavatory bowls. Use the bowl bit with the corresponding Velepec edge profile bit for an intergrated design or use a different edge profile tool to create a custom look.

Solid Surface Replaceable Insert Tooling

Straight Bit End Cutting Single Flute

Part No.	Comp No.	D	B	L	d	Insert No.
SF12730 1/2	10-283 IN	12.7	30	75	12.7	30-0915E
		1/2"	1-3/16"	2-61/64"	1/2"	
SF1650 1/2	44-020 IN	16	50	97	12.7	50-1217E
		5/8"	1-31/32"	3-13/16"	1/2"	

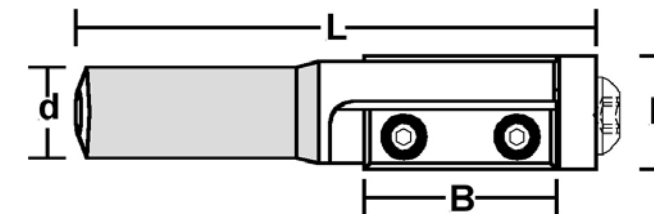
TOOL BODY SUPPLIED WITH END CUTTING INSERTS, SCREWS AND TORX KEY.



Flush Trim Bit Two Flutes

Part No.	Comp No.	D	B	L	d	Insert No.
FT1940B 1/2	30-295 IN	19	40	93	12.7	40-1215E
		3/4"	1-9/16"	3-21/32"	1/2"	

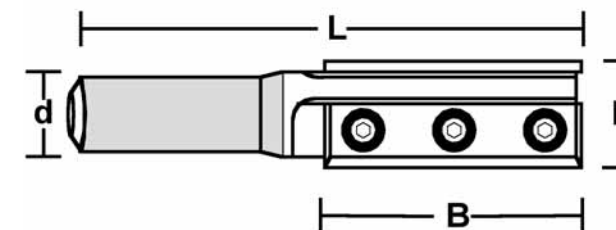
TOOL BODY SUPPLIED WITH END CUTTING INSERTS,SCREWS,TORX KEY AND VEL-VET TOUCH BALL BEARING GUIDE. REPLACEMENT BEARING VT12-4 OR B-15 (STEEL)



Straight Bit End Cutting Two Flutes

Part No.	Comp No.	D	B	L	d	Insert No.
R1850 1/2	44-123 IN	18	50	94	12.7	50-1217E
		45/64	1-31/32"	3-49/64"	1/2"	

TOOL BODY SUPPLIED WITH END CUTTING INSERTS, SCREWS AND TORX KEY.

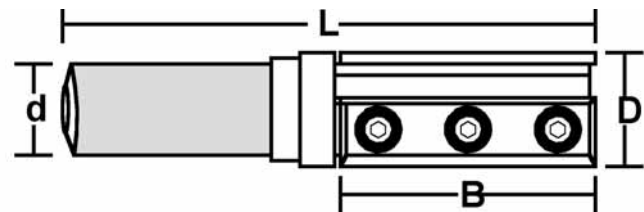


# Solid Surface Replaceable Insert Tooling

## Template Flush Trim Two Flutes

Part No.	Comp No.	D	B	L	d	Insert No.
TB 1940 1/2	14-436 IN	19	40	84	12.7	40-1215E
		3/4"	1-9/16"	3-5/16"	1/2"	
TB 1950 1/2	14-437 IN	19	50	105	12.7	50-1217E
		3/4"	1-31/32"	4-9/64	1/2"	
TB 2450 1/2	14-426 IN	24	50	98	12.7	50-1217E
		15/16"	1-31/32"	3-7/8"	1/2"	

TOOL BODY SUPPLIED WITH END CUTTING INSERTS, SCREWS AND TORX KEY AND BALL BEARING GUIDE WITH RETAINER. REPLACEMENT BEARING B-24.



## Standard Inserts

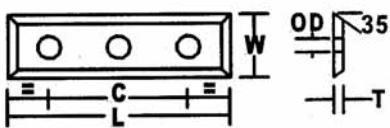
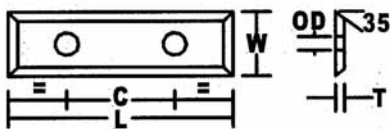
Part No.	Insert No.	L	W	T	OD	C
30-09-1.5E	30-0915E	30	9	1.5	4.0	14 2 HOLE
40-12-1.5E	40-1215E	40	12	1.5	4.0	26 2 HOLE
50-12-1.7E	50-1217E	50	12	1.7	4.0	37 3 HOLE

CARBIDE GRADE H3M – HM GRADE WITH FINE GRAIN SIZE AND EXCELLENT CUTTING EDGE QUALITY WITH VERY GOOD ABRASION RESISTANCE. INSERTS ARE SUPPLIED IN QUANTITIES OF 10 PIECES AND PACKAGED IN A PROTECTIVE PLASTIC BOX.

Replaceable Insert Router Bits

Replaceable Carbide Inserts

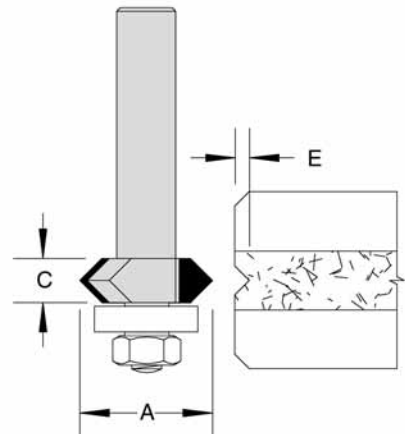
Part No.	Comp No.	Part No.	Comp No.
SF 12730 1/2	10-283IN	30-9-1.5E	30-0915E
SF 1650 1/2	44-020IN	50-12-1.7E	50-1217E
FT 1940 1/2	30-295IN	40-12-1.5E	40-1215E
R 1850 1/2	44-123IN	50-12-1.7E	50-1217E
TB 1940 1/2	14-436IN	40-12-1.5E	40-1215E
TB 1950 1/2	14-437IN	50-12-1.7E	50-1217E
TB 2450 1/2	14-426IN	50-12-1.7E	50-1217E
Replacement Bearings		Hardware	
B-15	12-165	T-15 TORX KEY	12-889
B-21	12-173	MT 3.5 TOR SCREW	12-843
B-24	12-174	MT 4 TORX SCREW	12-844
VT-12-4	12-340		



## Edge Face “V” Groove Bit

with VEL-VET TOUCH™ Bearing Guide  
To Cut Solid Surface  
Carbide Tipped - 90° Included Angle – 2 Flutes

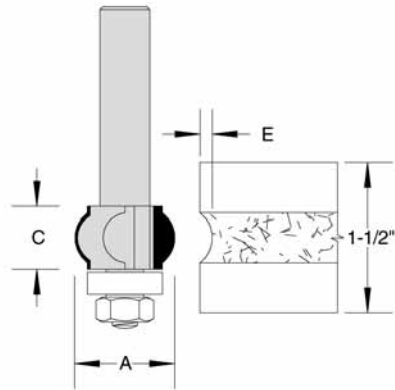
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	E Depth of V Groove
20-212	EFVG-2-8VT	1-1/8"	1/2"	3/8"	1/8"
12-365	VT-14-4	Replacement VEL-VET TOUCH™ Bearing Guide			



## Edge Face Cove Bit

with VEL-VET TOUCH™ Bearing Guide  
To Cut Solid Surface  
Carbide Tipped – 2 Flutes

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	E Depth of Cove
22-802	EFCB-5-8VT	1"	1/2"	5/8"	1/8"
12-340	VT-12-4	Replacement VEL-VET TOUCH™ Bearing Guide			

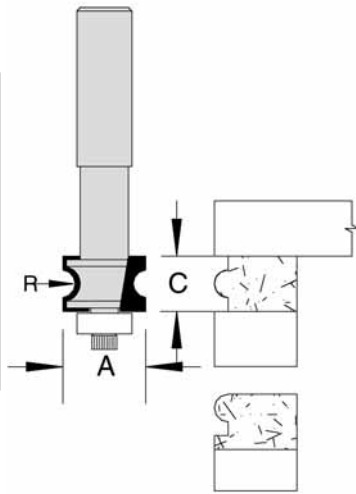




### Edge Bull Nose Bit

Carbide Tipped – 2 Flutes with Ball Bearing Guide

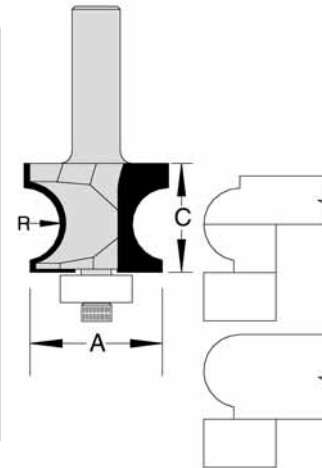
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius
22-685	EBNB-2-8	3/4"	1/2"	1/2"	1/8"
12-145	B-11	Replacement Steel Ball Bearing Guide			
12-307	VTA-8-3	Replacement VEL-VET TOUCH Bearing Guide			



### Edge Beading Bits

Carbide Tipped – 2 Flutes with Ball Bearing Guide

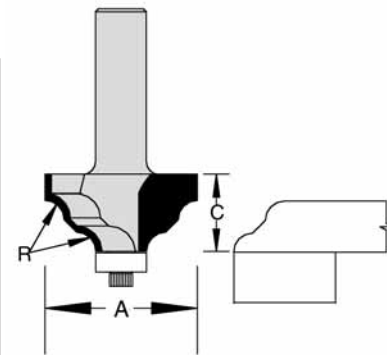
Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius
22-750	EBB-3-8	1-1/8"	1/2"	3/4"	3/16"
22-760	EBB-4-8	1-1/4"	1/2"	7/8"	1/4"
22-770	EBB-6-8	1-1/2"	1/2"	1-1/8"	3/8"
12-165	B-15	Replacement Steel Ball Bearing Guide			
12-340	VT-12-4	Replacement VEL-VET TOUCH Bearing Guide			



### Traditional Edge Moulding Bit

Carbide Tipped – 2 Flutes with Ball Bearing Guide

Comp No.	Stock No.	A Cutting Diameter	Shank Diameter	C Cutting Length	R Radius
26-270	EMB-3-8	1-1/2"	1/2"	3/4"	3/16"
12-145	B-11	Replacement Steel Ball Bearing Guide			
12-307	VTA-8-3	Replacement VEL-VET TOUCH Bearing Guide			

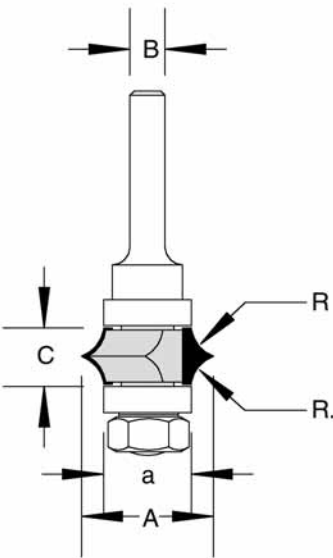


### Reeding Bit Assembly

Carbide Tipped – 2 Flutes with 2 Ball Bearing Guides  
Includes: Cutter and Arbor

Comp No.	Stock No.	A Cutting Diameter	B Shank Diameter	C Cutting Length	a Bearing Guide	R Radius
16-700	REED-4-4	15/16"	1/4"	7/16"	5/8"	1/4"
16-705	REED-4-8	15/16"	1/2"	7/16"	5/8"	1/4"
16-710	REED-5-4	1-1/8"	1/4"	9/16"	5/8"	5/16"
16-715	REED-5-8	1-1/8"	1/2"	9/16"	5/8"	5/16"
16-720	REED-6-4	1-1/4"	1/4"	11/16"	5/8"	3/8"
16-725	REED-6-8	1-1/4"	1/2"	11/16"	5/8"	3/8"
12-160	B-14	Replacement Steel Ball Bearing Guide				

NOTE: CUTTERS CAN BE PURCHASED SEPARATELY

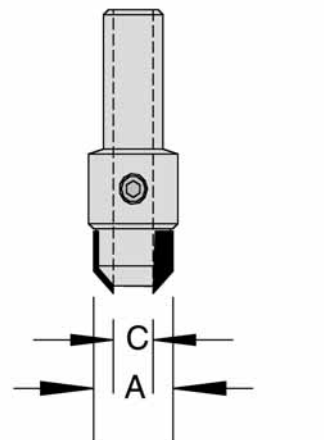


### Counter Sink Bits

Carbide Tipped – 2 Flutes 3/8" Maximum Depth of Cut  
10 MM Shank Diameter

Comp No.	Stock No.	A Countersink Diameter	C Drill Diameter	Wood Screw Size
48-005	AC-1	5/16"	3/32"	#2
48-010	AC-2	3/8"	1/8"	#4
48-015	AC-3	3/8"	9/64"	#6
48-020	AC-4	13/32"	5/32"	#8
48-025	AC-5	13/32"	11/64"	#8-#9
48-030	AC-6	13/32"	3/16"	#10
48-035	AC-7	7/16"	7/32"	#12
48-040	AC-8	1/2"	15/64"	#14
48-045	AC-9	1/2"	1/4"	#14-#16

NOTE: DRILLS NOT SUPPLIED



### Fiberglass Flush Trim Bit

POLYCRYSTALLINE DIAMOND COATED  
with 2 Ball Bearing guides

Comp No.	Stock No.	Cutting Diameter	Shank Diameter
50-100	FGD8-8-EE	1/2"	1/2"

ESPECIALLY DESIGNED FOR USE ON FIBERGLASS. THIS TOOL USED EXTENSIVELY IN RV, MOTORHOME AND BOAT BUILDING INDUSTRIES.

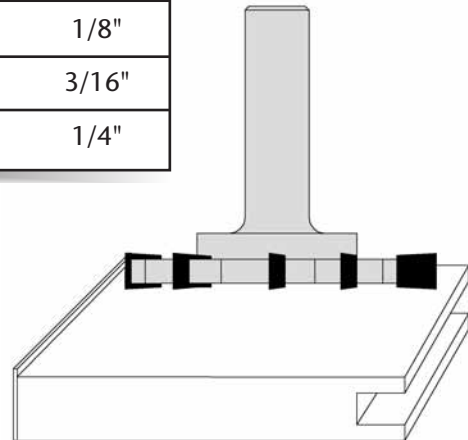


### Spline Cutters

Carbide Tipped

Comp No.	Stock No.	Cutting Diameter	Shank Diameter	No. of Wings	Kerf
50-093	N4-4.093	2"	1/4"	4	3/32"
50-125	N4-4.125	2"	1/4"	4	1/8"
50-250	N4-4.250	2"	1/4"	4	1/4"
51-250	N4-8.250	2"	1/2"	4	1/4"
52-250	N6-4.250	2"	1/4"	6	1/4"
53-125	N10-8.125	2-1/2"	1/2"	10	1/8"
53-187	N10-8.187	2-1/2"	1/2"	10	3/16"
53-250	N10-8.250	2-1/2"	1/2"	10	1/4"

The N - 10 series of spline groovers are for routing slots in a wide variety of materials. 10 wings ensures an exceptionally smooth cut.

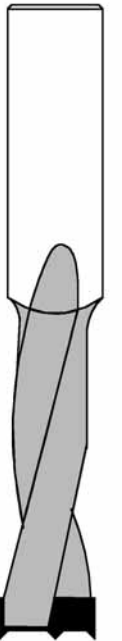


### Metric Boring Bits

Carbide Tipped – 10MM Shank Diameter Brad Point

Comp No.	Stock No.	Cutting Diameter	Overall Length	Rotation
57-051R	203051R	5MM	57MM	Clockwise
57-051L	203051L	5MM	57MM	Counter Clockwise
57-061R	203061R	6MM	57MM	Clockwise
57-061L	203061L	6MM	57MM	Counter Clockwise
57-081R	203081R	8MM	57MM	Clockwise
57-081L	203081L	8MM	57MM	Counter Clockwise
57-351R	203351R	35MM	57MM	Clockwise
57-401R	203401R	40MM	57MM	Counter Clockwise

NOTE: OTHER SIZES AVAILABLE

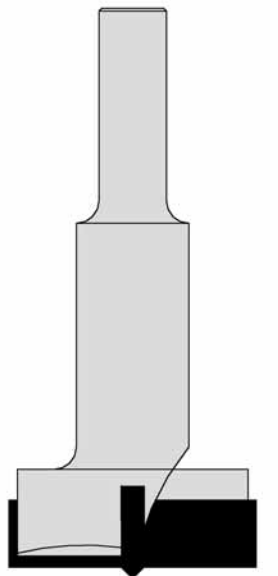


### Metric Boring Bits

Carbide Tipped – 3/8" Shank Diameter Brad Point

Comp No.	Stock No.	Cutting Diameter	Overall Length	Rotation
57-250R	203250R	25MM	81MM	Clockwise
57-260R	203260R	26MM	81MM	Clockwise
57-300R	203300R	30MM	81MM	Clockwise
57-350R	203350R	35MM	81MM	Clockwise
57-380R	203380R	38MM	81MM	Clockwise

NOTE: OTHER SIZES AVAILABLE



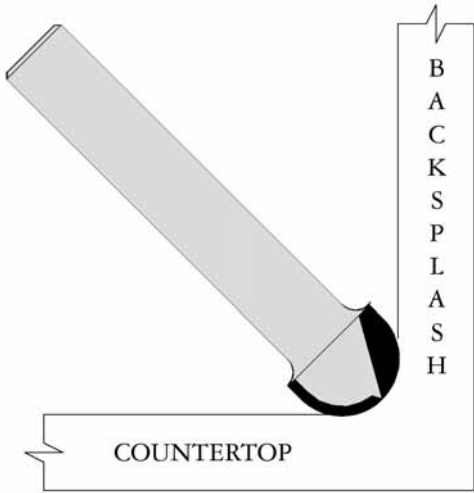


### Cove Backsplash Bits

Carbide Tipped – 1/2" Shank Diameter

These tools have extended length shanks, and are designed for use in a coving router to fabricate a coved backsplash in solid surface materials.

Comp No.	Stock No.	Radius	Cutting Diameter	Cutting Length	Overall Length
19-210	COR-4-8L	1/4"	1/2"	3/8"	3"
19-220	COR-6-8L	3/8"	3/4"	1/2"	3-1/4"
19-230	COR-8-8L	1/2"	1"	5/8"	3-1/4"

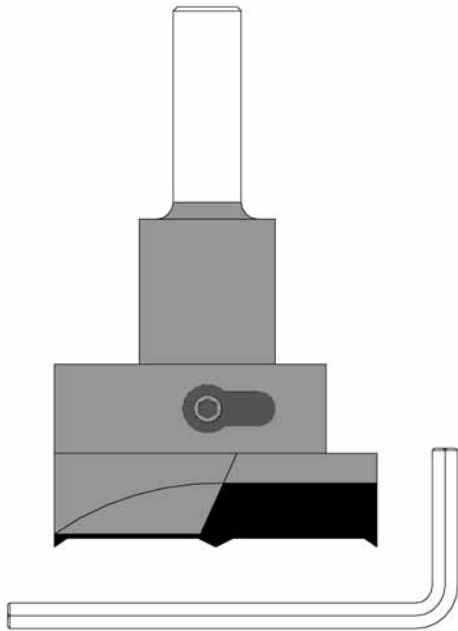


### Adjustable Boring Bits

Carbide Tipped

Comp No.	Stock No.	Boring Diameter	Shank
57-060	403060	30MM-60MM	10MM
57-080	406080	60MM-80MM	1/2"

Supplied with Allen Wrench for adjustment

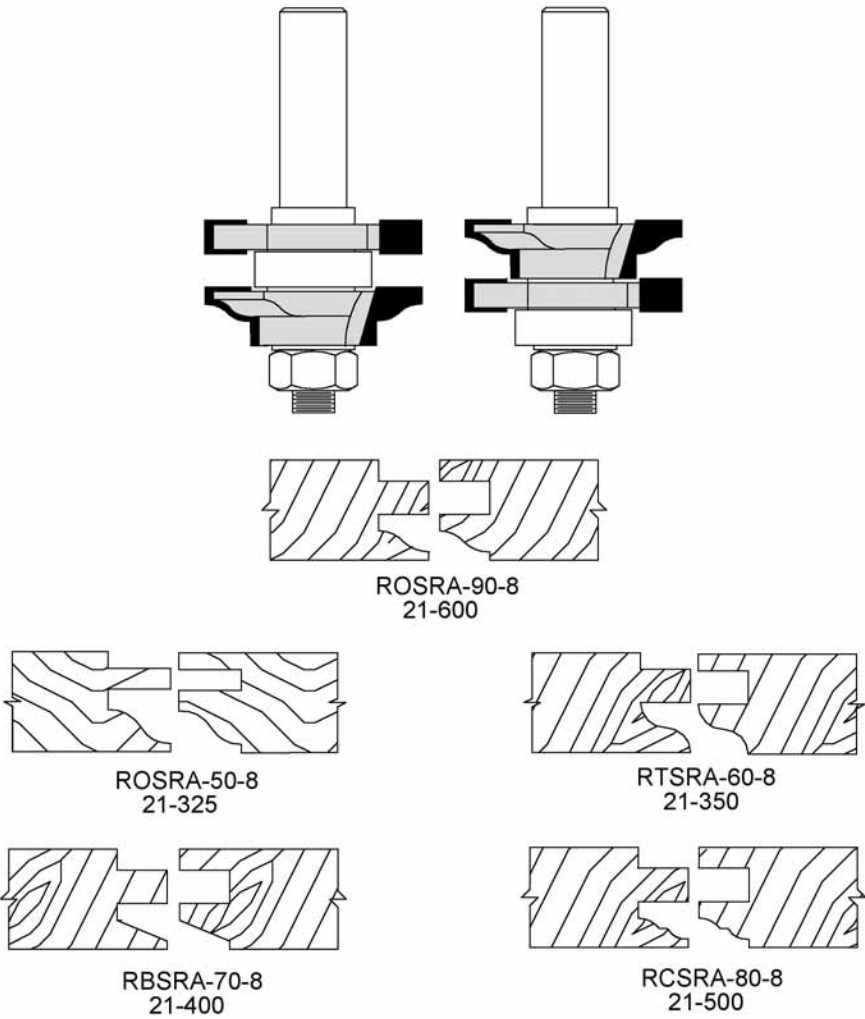


### Reversible Stile & Rail Assembly

Carbide Tipped – 2 Flutes for 3/4" Thick Material

Comp No.	Stock No.	Cutting Diameter	Shank Diameter	
21-325	ROSRA-50-8	1-7/8"	1/2"	OGEE CUT
21-350	RTSRA-60-8	1-3/4"	1/2"	OGEE CUT
21-400	RBSRA-70-8	1-3/4"	1/2"	BEVEL CUT
21-500	RCSRA-80-8	1-3/4"	1/2"	CLASSICAL CUT
21-600	ROSRA-90-8	1-3/4"	1/2"	OGEE CUT
12-150	B-12	Replacement Steel Ball Bearing Guide		
13-160	A-13	Replacement Arbor		

INCLUDED: 2 CUTTERS, ARBOR AND BALL BEARING GUIDE





## Notes