

ROUTING

ROUTER BITS



Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



Solid
Surface

ROUTER BITS



- Extra strong, last extra long
- New generation of high wear outstanding carbide
- New superior geometric design
- New advanced automatic grinding technology that improves the carbide's resistance to wear
- Super clean cuts
- 200% longer lifetime even when working with abrasive materials
- Cost effective



STRAIGHT PLUNGE

In choosing a straight bit for any application, always select one with the shortest cutting edges and the shortest overall length that will reach the required cut depth. Excessive length intensifies deflection and vibration, which degrade cut quality and lead to tool breakage.

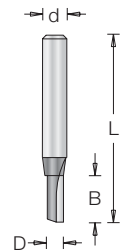
A single-flute bit should be used where cut speed is more important than cut finish. Making one cut per revolution is faster than making two or three. Improved chip clearance is possible with a single flute configuration. The result: fast cuts.

1/4" & 3/8" SHANK • SINGLE FLUTE

ØD	B	Tool No.	Ød	L
1/8	7/16	45100	1/4	2
3/16	7/16	45102	1/4	2
1/4	1/2	45104	1/4	2
1/4	3/4	45106	1/4	2
1/4	1	45108	1/4	2-1/4
1/4	1	*45110	1/4	3-1/4
9/32	3/4	45112	1/4	2-1/4
5/16	1	45114	1/4	2-1/4
1/4	3/4	45303	3/8	2-5/16
3/8	1	45300	3/8	2-1/2
3/8	1-1/4	45301	3/8	2-7/8

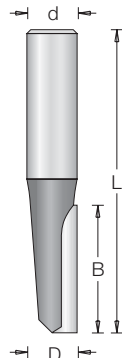


*Specifically designed for air powered routers as used in the boat manufacturing industry.



1/2" SHANK • SINGLE FLUTE

ØD	B	Tool No.	Ød	L
1/4	3/4	45304	1/2	2-1/2
3/8	1	45302	1/2	2-3/4
5/16	3/4	45306	1/2	2-1/2
1/2	3/4	45307	1/2	2-3/8
1/2	1-1/4	45308	1/2	2-7/8
1/2	1-1/2	45310	1/2	2-1/8
1/2	2	45312	1/2	4-1/4
1/2	2-1/2	45313	1/2	4-3/8
9/16	1-1/4	45314	1/2	2-7/8
5/8	1-1/4	45316	1/2	2-7/8



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STRAIGHT PLUNGE

1/4" SHANK • 2 FLUTE

Use a two-flute bit where fine finish is paramount. Two flutes balance the bit, eliminating vibration that degrades the cut finish. Two cuts per revolution yield a smooth surface, but feed rate is slightly reduced.

	ØD	B	Tool No.	Ød	L
New	1.3mm	4.5mm	45260	1/4	1-7/8
	1/16	3/16	~† 45190	1/4	1-5/8
	3/32	1/4	~† 45192	1/4	1-3/4
	1/8	7/16	~† 45200	1/4	2
	5/32	7/16	~ 45201	1/4	2
	3/16	7/16	~ 45202	1/4	2
	3/16	5/8	45239	1/4	2-3/16
New	13/64(5mm)	3/4	45217	1/4	2
	7/32(6mm)	3/4	45206	1/4	2
	15/64	3/4	45203	1/4	2
	1/4	1/2	45204	1/4	2
	1/4	3/4	45208	1/4	2
	1/4	1	45210	1/4	2-1/4
	1/4	1	* 45211	1/4	2-7/8
	9/32	3/4	45241	1/4	2
	9/32	1	45212	1/4	2-1/4
	5/16	3/4	45242	1/4	2
	5/16	1	45214	1/4	2-1/4
	3/8	3/4	45216	1/4	2
New	3/8	1	45218S	1/4	2
	3/8	1	45218	1/4	2-1/4
	3/8	1-1/4	45220	1/4	2-1/2
	7/16	3/4	45243	1/4	2
	7/16	1	45222	1/4	2-1/8
	15/32	3/4	45223	1/4	2
	1/2	3/4	45224	1/4	1-3/4
	1/2	1	45226	1/4	2-1/8
New	1/2	1-3/16	RC-45226	1/4	2-5/8
	1/2	1	45244	1/4	2-13/16
	1/2	1-1/4	45245	1/4	2-1/2
	9/16	3/4	45227	1/4	2-1/8
	9/16	1	45246	1/4	2-1/4
	19/32	3/4	45238	1/4	2
	5/8	3/4	45228	1/4	2
	5/8	1	45247	1/4	2-1/4
	5/8	1-1/4	45249	1/4	2-7/8
	11/16	3/4	45229	1/4	2
	11/16	1	45250	1/4	2-1/4
	23/32	3/4	45231	1/4	2
	3/4	3/4	45230	1/4	2
	3/4	1	45251	1/4	2-1/4
	13/16	3/4	45232	1/4	2
	7/8	3/4	45234	1/4	2
	15/16	3/4	45252	1/4	2
	1	3/4	45236	1/4	2

† Not guaranteed due to extremely small diameter. * Not guaranteed due to extreme length.

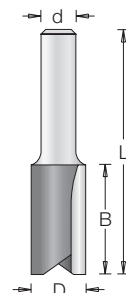
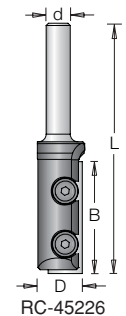
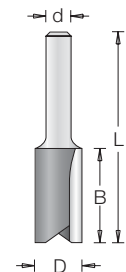
~ With solid carbide cutting edge. RC Replacement Knife #AMA-30 (tool #RC-45226 - single flute).

STRAIGHT PLUNGE

3/8" SHANK • 2 FLUTE

	ØD	B	Tool No.	Ød	L
	3/8	1-1/4	45400	3/8	2-3/4
	3/8	1	45402	3/8	2-1/2
	3/8	1-1/4	45404	3/8	3-3/8
	1/2	1	45406	3/8	2-1/2
	1/2	1-1/4	45407	3/8	2-1/2

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

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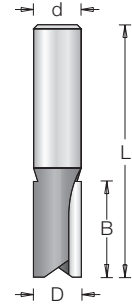
Door
Making



Solid
Surface

STRAIGHT PLUNGE

1/2" SHANK • 2 FLUTE



ROUTER BITS

New

	ØD	B	Tool No.	Ød	L
ew	1/4	3/4	~ 45408	1/2	2-1/2
	1/4	1	45486	1/2	2-3/4
	9/32	3/4	45409	1/2	2-3/4
	5/16	3/4	45410	1/2	2-1/2
	5/16	1	45412	1/2	2-3/4
	3/8	3/4	45413	1/2	2-1/2
	3/8	1	45414	1/2	2-3/4
	3/8	1-1/4	* 45415	1/2	3
	13/32	3/4	45401	1/2	2-1/2
	7/16	1-1/4	45416	1/2	3
	15/32	1-1/4	45425	1/2	2-7/8
	1/2	1	45418	1/2	2-5/8
	1/2	3/4	△ 45419	1/2	2-1/4
	1/2	1-1/4	45420	1/2	2-7/8
	1/2	1-1/2	45422	1/2	3-1/8
	1/2	1-1/2	45424	1/2	4-1/4
	1/2	2	45426	1/2	4-1/4
	1/2	2-1/2	* 45427	1/2	4-1/2
	17/32	1-1/4	45429	1/2	2-7/8
	9/16	1-1/4	45428	1/2	2-7/8
	19/32	1-1/4	45437	1/2	2-7/8
	5/8	1	45430	1/2	2-5/8
	5/8	1-1/4	45432	1/2	2-7/8
	5/8	1-1/2	45434	1/2	3-1/8
	5/8	2	45433	1/2	3-3/4
	21/32	1-1/4	45435	1/2	2-7/8
	11/16	1-1/4	45436	1/2	2-7/8
	23/32	1-1/4	45445	1/2	2-7/8
	3/4	1	45438	1/2	2-5/8
	3/4	1-1/4	45440	1/2	2-7/8
	3/4	1-1/2	45442	1/2	3-1/8
	3/4	2	45441	1/2	3-5/8
	25/32	1-1/4	45443	1/2	2-7/8
	13/16	1-1/4	45444	1/2	2-7/8
	7/8	1-1/4	45446	1/2	2-7/8
	1	1-1/4	45448	1/2	2-7/8
	1	1-1/2	45403	1/2	3-1/8
22	1	2	45447	1/2	3-5/8
22	1-1/16	1-1/4	45459	1/2	2-7/8
22	1-1/8	1-1/4	45449	1/2	2-7/8
22	1-1/8	1-1/2	45411	1/2	3
22	1-1/4	1-1/4	45450	1/2	2-7/8
22	1-1/4	1-1/2	45421	1/2	3
22	1-3/8	1	45451	1/2	2-5/8
18	1-3/8	1-1/4	45423	1/2	2-7/8
18	1-1/2	1-1/4	45452	1/2	2-7/8
16	1-3/4	1-1/4	45453	1/2	2-7/8
12	2	1-1/4	45480	1/2	2-7/8

* Not guaranteed due to extreme length. ~ With solid carbide cutting edge.

△ For post form countertop machines.

△ **WARNING:** Maximum RPM △ 12 = 12,000; △ 16 = 16,000;
△ 18 = 18,000; △ 22 = 22,000

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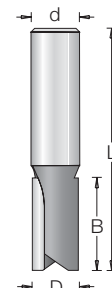


LEFT HAND PLUNGE

1/2" SHANK • 2 FLUTE

This special series of plunging straight bits is for reverse-rotation (counter-clockwise) routers.

ØD	B	Tool No.	Ød	L
5/16	1	45412-LH	1/2	2-3/4
3/8	1	45414-LH	1/2	2-3/4
7/16	1-1/4	45416-LH	1/2	3
1/2	1-1/4	45420-LH	1/2	2-7/8
1/2	1-1/2	45422-LH	1/2	3-1/8
1/2	2	45426-LH	1/2	4-1/4
9/16	1-1/4	45428-LH	1/2	3
5/8	1-1/4	45432-LH	1/2	2-7/8
3/4	1-1/4	45440-LH	1/2	2-7/8
3/4	2	45441-LH	1/2	3-5/8
New 7/8	1-1/4	45446-LH	1/2	2-7/8

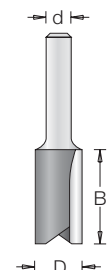
**ROUTER BITS**

STRAIGHT PLUNGE - METRIC PLYWOOD DADO'S

1/4" SHANK • 2 FLUTE • METRIC SIZE

ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
10mm	—	45219	19mm	1/4	2-1/8
10.3mm	—	45221	19mm	1/4	2-1/8
12mm	12mm	45240	3/4	1/4	2
14mm	—	* 45225	19mm	1/4	2-1/8
16mm	16mm	45248	3/4	1/4	2
18mm	18mm	45256	3/4	1/4	2

* 14mm bits for cutting plastic pilaster.



1/2" SHANK • 2 FLUTE • METRIC SIZE

ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
10mm	—	45417	19mm	1/2	2-1/2
12mm	12mm	45488	1-1/4	1/2	2-7/8
14mm	—	* 45431	25mm	1/2	2-5/8
16mm	16mm	45492	1-1/4	1/2	2-7/8
18mm	18mm	45498	1-1/4	1/2	2-7/8

* 14mm bits for cutting plastic pilaster.

NOTE: Many standard metric plunge bits from 3mm through 51mm are available on special order. Please allow 2 to 3 weeks for delivery. See above for metric sized plywood bits.

NOTE: For 6mm board, use #45203 (15/64) shown in fractional section below and on page 3.

UNDERSIZED PLYWOOD DADO

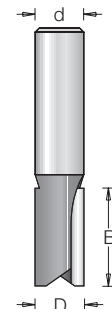
2 FLUTE • STRAIGHT PLUNGE FRACTIONAL SIZES

Cut dado's and grooves dimensioned perfectly for plywood, flakeboard and other sheet materials for which standard size bits are too large.

ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
15/64	1/4 minus 1/64 (6.0mm)	45203	3/4	1/4	2
7/32	1/4 minus 1/32	45206	3/4	1/4	2
15/32	1/2 minus 1/32	45223	3/4	1/4	2
15/32	1/2 minus 1/32	45425	1-1/4	1/2	2-7/8
31/64	1/2 minus 1/64	45235	3/4	1/4	2-1/4
31/64	1/2 minus 1/64	45237	1	1/2	2-5/8
19/32	5/8 minus 1/32	45238	3/4	1/4	2
19/32	5/8 minus 1/32	45437	1-1/4	1/2	2-7/8
23/32	3/4 minus 1/32	45231	3/4	1/4	2
23/32	3/4 minus 1/32	45233	1	1/4	2-1/4
23/32	3/4 minus 1/32	45445	1-1/4	1/2	2-7/8

NOTE: For 6mm board, use #45203 (15/64) shown in fractional section above.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com



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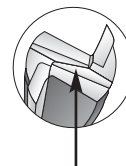
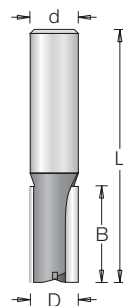
ROUTER BITS

SUPER PLUNGE™ WITH CENTER CARBIDE TIP

1/2" SHANK • 2 FLUTE

This bit's specially designed carbide center tip enhances the speed of plunge cuts. At the same time, it extends the life of the cutting edges by reducing the stress of plunge cuts on their tips. Ideal for mortising and other plunging operations.

ØD	B	Tool No.	Ød	L
5/16	3/4	41410	1/2	2-1/2
3/8	1-1/4	41415	1/2	3
1/2	1	41418	1/2	2-5/8
1/2	1-1/2	41422	1/2	3-1/8
1/2	2	41426	1/2	4-1/4
5/8	1-1/4	41432	1/2	2-7/8
3/4	1	41438	1/2	2-5/8
1	1	41448	1/2	2-5/8

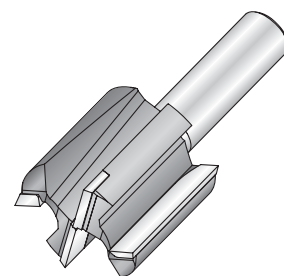


Center Carbide Tip

AGGRESSIVE PLUNGE DESIGN

ØD	B	Tool No.	Ød	L
18	1-1/4	41450	1/2	2-5/8
18	1-1/2	41454	1/2	2-5/8
18	1-1/2	41452	1/2	2-7/8
18	1-5/8	41458	1/2	2-5/8
16	1-3/4	41453	1/2	2-7/8
16	1-7/8	41462	1/2	2-7/8
16	2	41464	1/2	2-5/8
12	2	41480	1/2	2-7/8

WARNING: Maximum RPM Δ_{12} = 12,000; Δ_{16} = 16,000; Δ_{18} = 18,000

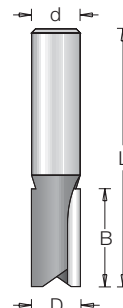


PRODUCTION PLUNGE W/10° HOOK

1/4" AND 1/2" SHANK • 2 FLUTE

These plunge bits are specifically designed for high production operations, where long tool life is the primary concern. The higher hook angle produces a more aggressive cutting action in dense and abrasive materials, including solid wood, MDF, plywood, acrylics (Plexiglas®) and other difficult to machine materials. The result is a faster feed rate without significant compromise of cut quality.

ØD	B	Tool No.	Ød	L
1/8	7/16	43200	1/4	2
1/4	1	43210	1/4	2
5/16	1	43412	1/2	2-3/4
3/8	1	43218	1/4	2-1/4
3/8	1	43414	1/2	2-3/4
1/2	1	43226	1/4	2-1/8
1/2	1	43418	1/2	2-5/8
1/2	1-1/4	43420	1/2	2-7/8
1/2	1-1/2	43422	1/2	3-1/8
1/2	2	43426	1/2	4-1/4
5/8	1-1/4	43432	1/2	2-7/8
3/4	3/4	43230	1/4	2
3/4	1-1/4	43440	1/2	2-7/8



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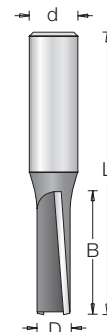


PRODUCTION SHEAR BITS STRAIGHT PLUNGE 3° DOWN-SHEAR

2 FLUTE

Excellent for working composition board and melamine, this bit cuts with a shearing action, slicing very slightly downward to prevent chipping & tearing of the surface veneer or coating. It augers chips away from the router. Designed primarily for production applications where the router is above the work.

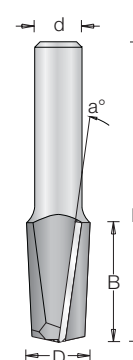
ØD	B	Tool No.	Ød	L
3/8	1	45414-PS	1/2	2-3/4
1/2	1-1/4	45420-PS	1/2	2-7/8
1/2	1-1/2	45422-PS	1/2	3-1/8
1/2	2	45426-PS	1/2	4-1/4

**ROUTER BITS**

PRODUCTION SHEAR 2 FLUTE STRAIGHT PLUNGE UP-SHEAR DESIGN

Application: Same as down-shear listed above, but with up-shear design to pull chips away from the cut. Can be used inverted as in a router table. Straight ground (not radial ground) for highest quality cut and fastest feed rate.

a°	ØD	B	Tool No.	Ød	L
4°	3/8	1	42440	1/2	2-3/4
7°	1/2	1	42444	1/2	2-3/4
6°	1/2	1-1/4	42448	1/2	2-7/8
5°	1/2	1-1/2	42452	1/2	3-1/8
4°	1/2	2	42456	1/2	4-1/4
8°	3/4	1-1/4	42460	1/2	2-7/8
8°	3/4	1-1/4	42472	3/4	3-1/4
5°	3/4	2	42476	3/4	4
10°	1	1-1/4	42464	1/2	2-7/8

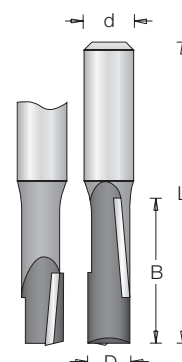
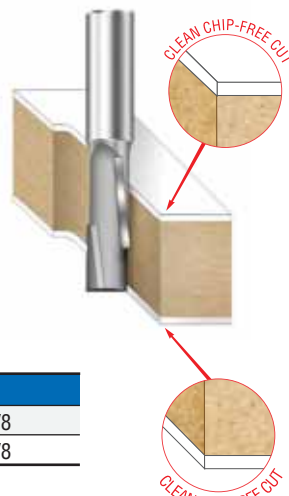


OPPOSITE-SHEAR STAGGERED TOOTH

2 FLUTE

A stagger-tooth bit has two cutting edges, each only half the flute length, located 180° apart, one high, one low. The result is a tool that combines the speed and chip clearance of a one-flute bit with the strength and balance of a two-flute bit. This "opposite-shear" configuration features a down-shear edge and an up-shear edge. On a through-cut, it shears down on both surfaces at the same time. It is excellent for working double-sided melamine, plywood, laminates, and veneers, as well as solid-surface materials.

ØD	B	Tool No.	Ød	L
1/2	1-1/2	51320	1/2	3-1/8
1/2	2	51324	1/2	4-1/8

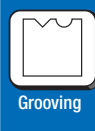




STRAIGHT
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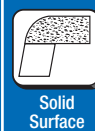
Rabbeting



Jointing



Door
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Solid
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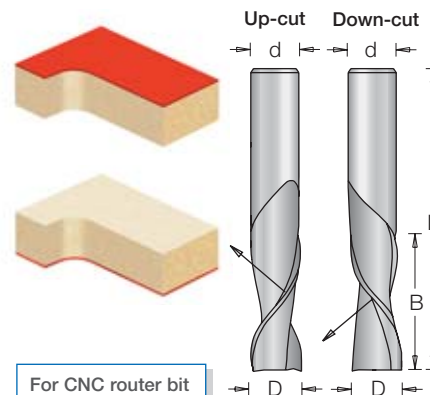
SPIRAL FLUTE PLUNGE SOLID CARBIDE 2 FLUTE

**New
IMPROVED**

Spiral-flute bits combine a shearing action in cutting with an augering action in chip clearance. The shearing action yields an especially clean, accurate cut, while the augering action clears chips from the cut. The “up-cut” shears from the bottom up, pulling chips from the bottom up, thus allowing deeper penetration with less stress on the tool. An excellent choice for mortising.

The “down-cut” cuts from the surface down, leaving a smooth edge at the surface. Special unique carbide grade, increased clearance geometry and razor-sharp cutting edges with polished flutes provides a superior finish and longer tool life. Special unique carbide grade for longer lifetime in abrasive materials. These bits are great for production settings and excellent for creating grooves and dado cuts in softwood, hardwoods, plywood and composite materials. Primarily used on CNC machines and other automatic routers. Also can be used with hand-held and table-mounted portable routers.

ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	1/2	46100	46200	1/4	2
5/32	5/8	46310	46410	1/4	2-1/2
3/16	3/4	46101	46201	1/4	2
7/32	1	46314	46414	1/4	2-1/2
1/4	3/4	46102	46202	1/4	2-1/2
New 1/4	1	46315	46415	1/4	2-1/2
1/4	1-1/8	46316	46416	1/4	3
5/16	1	46115	46215	5/16	2-1/2
5/16	1	46119	46219	1/2	3
9/32	1	46317	46417	5/16	2-1/2
9/32	1	46117	46217	1/2	3
5/16	1-1/8	46318	46418	1/2	3
5/16	1-1/8	46319	46419	5/16	3
3/8	1	46103	46203	3/8	2-1/2
3/8	1-1/4	46320	46420	3/8	3
3/8	1-1/4	46104	46204	1/2	3
7/16	1-1/4	46105	46205	1/2	3
1/2	1-1/4	46106	46206	1/2	3
1/2	1-5/8	46107	46207	1/2	3-1/2
5/8	1-5/8	46108	46208	5/8	3-1/2
5/8	2	46121	46221	5/8	4
3/4	1-5/8	46109	46209	3/4	4



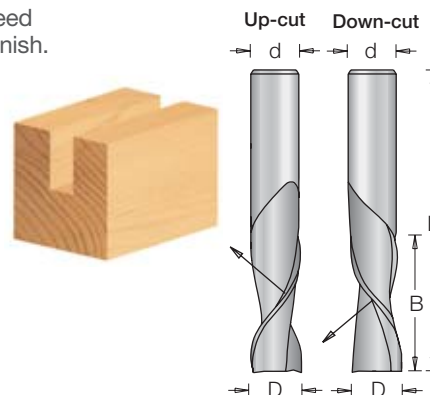
For CNC router bit
feed rate info refer
to pages 150-151

SPIRAL FLUTE PLUNGE SOLID CARBIDE FOR SOLID WOOD

2 FLUTE

Specially designed for speed and finish when working with solid hard woods. The combination of acute spiral flute shear angles with face ground helix yield high feed rates, fast plunge action, quick direction changes, deep penetration and mirror finish.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/8	1/2	46241	46341	1/4	2
5/32	5/8	46243	46343	1/4	2-1/2
3/16	5/8	46245	46345	1/4	2
7/32	1	46247	46347	1/4	2-1/2
1/4	3/4	46249	46349	1/4	2-1/2
New 1/4	1	46248	46348	1/4	2-1/2
1/4	1-1/8	46250	46365	1/4	3
9/32	1	46251	46351	5/16	2-1/2
5/16	1-1/8	46253	46353	1/2	3
3/8	1	46255	46355	3/8	2-1/2
3/8	1-1/4	46257	46357	1/2	3
3/8	1-1/4	46259	46359	3/8	3
1/2	1-1/4	46261	46361	1/2	3
1/2	1-5/8	46263	46363	1/2	3-1/2



WARNING: Recommended RPM 20,000-21,000

**STRAIGHT
PLUNGE****Trimming
& Beveling****Grooving****Profiling****Rabbeting****Jointing****Door
Making****Solid
Surface**

Router Bits



COMPRESSION SPIRAL SOLID CARBIDE FOR MDF/LAMINATE

2 FLUTE

Solid carbide compression spiral bits are designed for CNC applications requiring high feed rates and a clean finish. Particularly suitable for double-sided melamine or laminated material. Choose either single flute for the highest possible feed rate or double flute for the best finish. Special unique carbide for longer lifetime in abrasive material.

	ØD	B	B1 mm	Tool No.	Ød	L
	1/4	7/8	7	46170	1/4	2-1/2
New	1/4	7/8	7	* 46170-LH	1/4	2-1/2
	3/8	1-1/4	9	46172	3/8	3
	3/8	1	9	46174	1/2	3
	3/8	1-1/8	9	46178	1/2	3
	1/2	1	9	46182	1/2	3
	1/2	1-1/8	10	46186	1/2	3
	1/2	1-1/4	9	46188	1/2	3
New	1/2	1-1/4	9	* 46188-LH	1/2	3
	1/2	1-1/2	12	46189	1/2	3-1/2
	1/2	1-5/8	11	46190	1/2	3-1/2
New	1/2	1-5/8	11	* 46190-LH	1/2	3-1/2
New	1/2	1-1/2	7/16"	46191	1/2	4-1/16
	5/8	2	17	46194	5/8	4
	3/4	2	17	46198	3/4	4

* Indicates LEFT HAND ROTATION

COMPRESSION SOLID CARBIDE FOR MORTISING WORK

2 FLUTE

These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortising, grooving and dado.

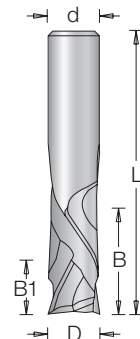
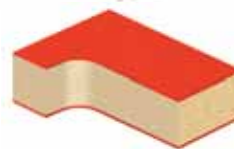
	ØD	B	B1	Tool No.	Ød	L
	1/4	1	1/8	46350	1/4	2-1/2
	3/8	1-1/4	3/16	46352	1/2	3
New	3/8	7/8	1/8	46367	3/8	3
	1/2	1-1/4	1/4	46354	1/2	3
	1/2	1-5/8	1/4	46356	1/2	3-1/2
	1/2	1-5/8	1/4	46358	1/2	4
	1/2	2-1/8	1/4	46360	1/2	4
	5/8	1-5/8	5/16	46362	5/8	4
	5/8	2-1/8	5/16	46364	5/8	4
	3/4	1-5/8	3/8	46366	3/4	4
	3/4	2-1/8	3/8	46368	3/4	4

COMPRESSION SPIRAL SOLID CARBIDE FOR MDF

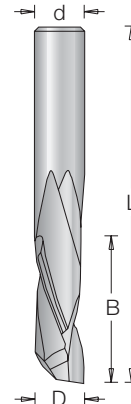
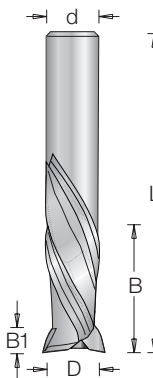
SINGLE FLUTE

Solid carbide compression spiral bits are designed for CNC applications requiring high feed rates & a clean finish. Particularly suitable for double-sided melamine or laminated material. Special unique carbide for longer lifetime in abrasive material.

	ØD	B	Tool No.	Ød	L
	1/4	7/8	46140	1/4	2-1/2
	3/8	7/8	46142	3/8	3
	3/8	1	46144	1/2	3
	3/8	1-1/8	46148	1/2	3
	1/2	7/8	46150	1/2	3
	1/2	1	46152	1/2	3
	1/2	1-1/8	46156	1/2	3
	1/2	1-1/4	46159	1/2	3
	1/2	1-5/8	46160	1/2	3-1/2
	5/8	2	46164	5/8	4
	3/4	2	46168	3/4	4

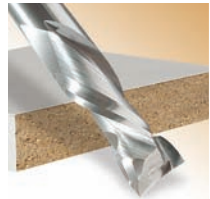


For CNC router bit
feed rate info refer
to pages 150-151



WARNING: Recommended RPM 20,000-21,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com



Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



Solid
Surface

ROUTER BITS

COMPRESSION SOLID CARBIDE SPIRAL FOR SOLID WOOD

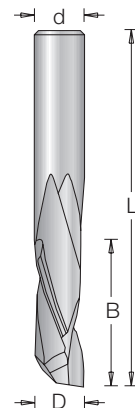
SINGLE FLUTE

Specially designed for working in hard solid wood. Slow helic, special grinding angle, improved body shape in order to support the high feed rate, quick direction changes and deep penetration.

ØD	B	Tool No.	Ød	L
1/4	7/8	46390	1/4	2-1/2
3/8	1-1/8	46392	1/2	3
1/2	1	46394	1/2	3
1/2	1-1/8	46396	1/2	3
1/2	1-5/8	46398	1/2	3-1/2



For CNC router bit
feed rate info refer
to pages 150-151

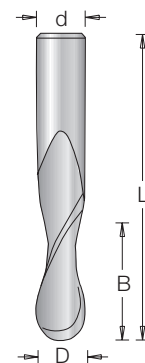


BALL NOSE SOLID CARBIDE UP-CUT SPIRALS

2 FLUTE

Used for carving, decorative doors and sign manufacturing. It leaves an excellent finish and expels chips quickly.

ØD	B	Tool No.	Ød	L
1/4	1	46376	1/4	2-1/2
3/8	1-1/4	46378	3/8	3
1/2	1-1/4	46380	1/2	3
1/2	1-1/2	46382	1/2	3-1/2
1/2	2-1/8	46384	1/2	4
5/8	2-1/8	46386	5/8	4
3/4	2	46388	3/4	4



SPIRAL FLUTE PLUNGE SOLID CARBIDE

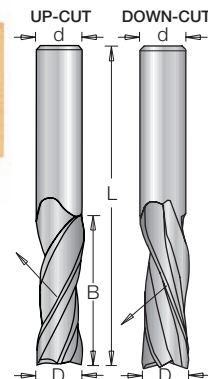
3 FLUTE

New 3 flute design for very high quality finish. Up-cut or down-cut spiral.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
3/8	1-1/4	46114	46214	1/2	3
1/2	1-1/2	46116	46216	1/2	3-1/2
1/2	2	46118	46218	1/2	4
5/8	2	46120	46220	5/8	4
3/4	2-1/8	46122	46222	3/4	4-1/2



For CNC router bit
feed rate info refer
to pages 150-151



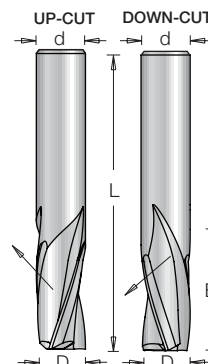
SOLID CARBIDE SLOW SPIRAL

New

3 FLUTE

Specially designed to provide an excellent finish in hardwoods, solid surface and hard plastics. Choose up-cut if an excellent finish on the bottom of surface is required, or down-cut for an excellent finish on the top of surface.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
3/8	1	46330	46430	3/8	2-1/2
1/2	1	46332	46432	1/2	3
1/2	1-1/2	46334	46434	1/2	3-1/2



⚠ **WARNING:** Recommended RPM 20,000-21,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com

**STRAIGHT
PLUNGE****Trimming
& Beveling****Grooving****Profiling****Rabbeting****Jointing****Door
Making****Solid
Surface**

Router Bits



SPIRAL ROUGHING SOLID CARBIDE W/CHIPBREAKER

3 FLUTE

This series has a small chipbreaker therefore the quality of cut will improve. It will leave smaller striated finish than the following series for massive wood.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/2	1-1/8	46132	46232	1/2	3
1/2	1-5/8	46134	46234	1/2	3-1/2
5/8	2-1/8	46136	46236	5/8	4
3/4	2-1/4	46138	46238	3/4	4

SOLID CARBIDE SPIRAL ROUGHING W/CHIPBREAKER

3 FLUTE

Specially designed for high RPM/feed rate CNC routers. Unique chipbreaker design is available with up-cut or down-cut. Will leave a wavy, striated finish.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/2	1-5/8	46124	46224	1/2	3-1/2
1/2	2	46126	46226	1/2	4
5/8	2-1/8	46128	46228	5/8	4
3/4	2-1/4	46130	46230	3/4	4

WARNING: Recommended RPM 20,000-21,000

SOLID CARBIDE STRAIGHT PLUNGE

SINGLE FLUTE & 2 FLUTE

For high volume, high speed cutting in dense natural woods and abrasive wood composites, use solid carbide bits. Solid carbide dissipates heat more uniformly, extending tool life. Single flute bits cut faster, with better chip clearance. Two-flute bits cut more slowly, but leave a smooth finish.

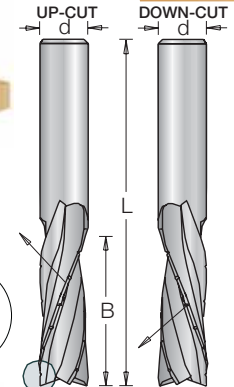
ØD	B	Flutes	Tool No.	Ød	L
1/8	7/16	1	43700	1/4	2
5/32	7/16	1	43704	1/4	2
3/16	7/16	1	43708	1/4	2
7/32	3/8	1	43712	1/4	2
1/4	3/4	1	43716	1/4	2
1/4	1	1	43720	1/4	2
1/4	1	1	43724	1/4	3
5/16	1-1/8	1	43728	5/16	3
3/8	1-1/8	1	43732	3/8	3
1/2	1-1/8	1	43736	1/2	3
5/32	7/16	2	43800	1/4	2
3/16	7/16	2	43804	1/4	2
3/16	1/2	2	43808	1/4	2
1/4	1/2	2	43812	1/4	2
7/32	3/4	2	43816	1/4	2
1/4	3/4	2	43820	1/4	2-1/2
1/4	1	2	43824	1/4	2-1/2
1/4	1	2	43828	1/4	2-7/8
9/32	1	2	43832	5/16	2-1/2
5/16	1-1/8	2	43836	5/16	3
3/8	1-1/8	2	43840	5/16	3
7/16	1-1/8	2	43844	1/2	3
1/2	1-1/8	2	43848	1/2	3
1/2	1-5/8	2	43850	1/2	3-1/2

WARNING: Maximum RPM 28,000

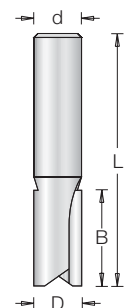
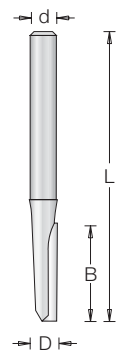
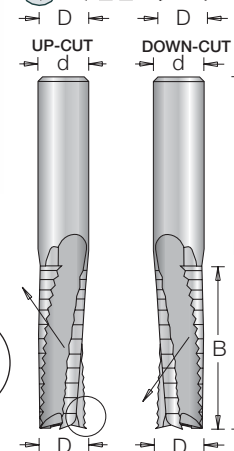
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com



For CNC router bit
feed rate info refer
to pages 150-151



For CNC router bit
feed rate info refer
to pages 150-151

**ROUTER BITS**

Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



Solid
Surface

New

SOLID CARBIDE SPIRAL PLASTIC 'O' FLUTE

UP-CUT & DOWN-CUT

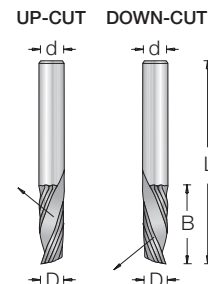
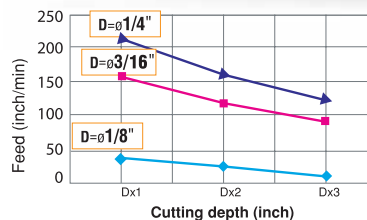
This bit is designed to produce super clean, smooth cuts, especially in acrylic materials (Plexiglas®, Lucite®), other plastics and wood. It includes a special carbide grade, very high tolerance grinding and a unique carbide polishing process.

For SUPER CLEAN CUTS IN:

- Plastic ■ Solid surface materials
- Wood ■ Foam board

The most popular design.
Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut



SINGLE FLUTE

ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	1/2	51410	51510	1/8	2
3/16	5/8	51412	51512	3/16	2
1/4	3/4	51404	51504	1/4	2



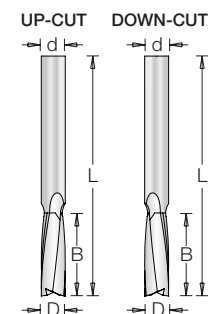
SOLID CARBIDE ACRYLIC 'O' FLUTE SLOW SPIRAL

New

UP-CUT & DOWN-CUT • 2 FLUTE

Provides smooth finish in acrylic materials, and both soft and hard plastics.

ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/4	3/4	46313	46413	1/4	2-1/2
1/4	1	46311	46411	1/4	2-1/2

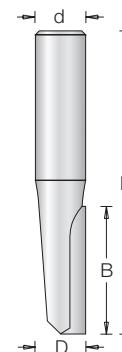


PLASTIC CUTTING SOLID CARBIDE 'O' FLUTE

SINGLE 'O' FLUTE & DOUBLE FLUTE

New solid carbide tools with unique circular 'O' flute design to eject chips more easily. Single flute for fast cutting in soft plastics such as pvc, styrene, ABS, etc.

ØD	B	Tool No.	Flutes	Ød	L
1/8	1/2	43500	1	1/4	2
3/16	5/8	43504	1	1/4	2
1/4	3/4	43508	1	1/4	2-1/2
1/4	1	43512	1	1/4	2-1/2
1/4	1	43514	1	1/4	3-1/4
3/8	1	43516	1	3/8	2-1/2
1/2	1	43520	1	1/2	3
1/8	1/2	43600	2	1/4	2
3/16	5/8	43604	2	1/4	2
1/4	1	43608	2	1/4	2-1/2
3/8	1	43612	2	3/8	2-1/2
1/2	1	43616	2	1/2	3



**STRAIGHT
PLUNGE****Trimming
& Beveling****Grooving****Profiling****Rabbeting****Jointing****Door
Making****Solid
Surface**

Router Bits

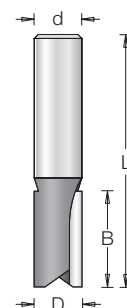


PLASTIC CUTTING CARBIDE TIPPED

SINGLE 'O' FLUTE & DOUBLE FLUTE

For fast cutting in harder more abrasive plastics such as phenolic resin, acrylic, etc.

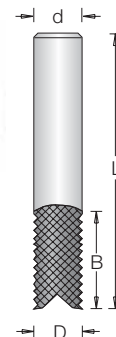
ØD	B	Tool No.	Flutes	Ød	L
3/16	1/2	43100	1	1/4	2
1/4	1	43104	1	1/4	2-1/4
3/8	1	43108	1	3/8	2-1/2
1/2	1-1/4	43112	1	1/2	3
3/16	1/2	43300	2	1/4	2
1/4	1	43304	2	1/4	2-1/4
1/2	1-1/4	43312	2	1/2	3

**ROUTER BITS**

ABRASIVE TYPE PLUNGE DIAMOND PATTERN SOLID CARBIDE

This bit is designed especially for cutting fiberglass, tile and other highly abrasive materials. Works well on epoxies made with carbon, glass and composite materials. Its diamond-pattern cutting edges have up-cut and down-cut angles to grind through the work. Cuts evenly in all directions.

ØD	B	Tool No.	Ød	L	Type of Cut
1/4	3/4	46110	1/4	2	Fine
3/8	7/8	46111	3/8	2-1/2	Coarse
1/4	3/4	46112	1/4	2	Coarse
1/2	1	46113	1/2	3	Coarse



WARNING: Maximum RPM Δ = 28,000 (Applies to the above table)

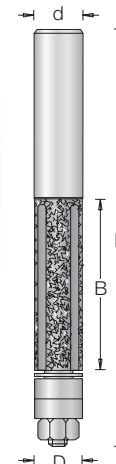
FIBERGLASS & CARBONFIBER MATERIAL FLUSH TRIM SOLID CARBIDE

Used in the boat and RV industry to trim laminated fiberglass boards. Cuts fast and clean.

ØD	B	Tool No.	Ød	L
1/2	1-3/4	44100	1/2	4-1/4

Replacement Bearing #47706 (2)

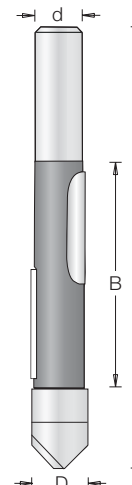
Replacement Nut #67086



STAGGER TOOTH PANEL PILOT WITH PLUNGE POINT

Stagger Tooth version of our standard 2 flute Panel Pilot which gives greater speed and stock removal than our single flute with the strength of a 2 flute bit.

ØD	B	Tool No.	Ød	L
5/8	2-1/4	45520	1/2	4-3/4



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com

Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



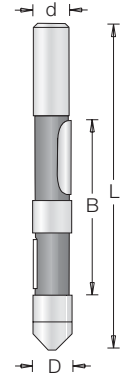
Solid
Surface

ROUTER BITS

PANEL PILOT PLUNGE WITH TWO PILOTS AND HARDENED BORING POINT

Carbide tipped with 2 pilots and plunge hardened boring point for thicker material, fast cutting. This enables the cutter to be guided by jigs or the inner frame from the top, middle or bottom of the cutter. A very useful cutter for motor body building, caravans and boat building.

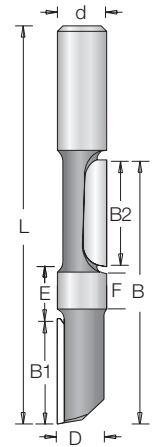
ØD	B	Tool No.	Ød	L
3/8	1-25/32	45524	3/8	3-5/8



STAGGER TOOTH PLUNGE PANEL WITH CENTER PILOT

This version of the panel pilot bit has a stagger-tooth configuration for fast, clean cuts, coupled with a solid pilot between the cutting edges. Designed specifically for the RV-manufacturing industry to cut openings in ceilings and sidewalls, it can be used in any setup that has a template between the materials to be cut.

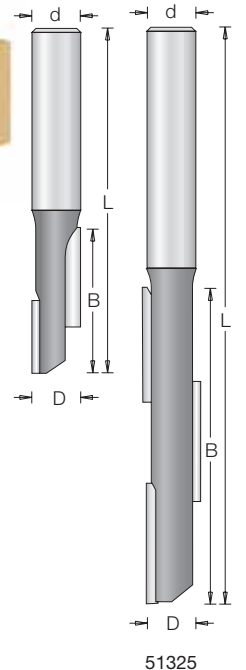
ØD	B	E	F	Tool No.	B1	B2	Ød	L
1/2	2-13/16	3/8	1/2	51317	1-1/8	1-3/16	1/2	4
1/2	2-13/16	3/8	1/2	51314	1-1/8	1-3/16	1/2	4-1/4
1/2	2-13/16	3/8	1/2	51319	1-1/8	1-3/16	1/2	5
1/2	2-1/2	9/32	3/8	51321	1-1/8	1	1/2	4



STAGGER TOOTH PLUNGE CUTTING 2 BLADE STAGGER

Two cutting edges spaced 180 degrees apart, each half the length of its flute. One extends from the tip to the middle of the flute, the other from the middle to end. The configuration combines the cutting speed and chip clearance of a single-flute bit with the finish of a double-flute bit. Excellent bit for cutting dense or abrasive man-made materials and panel goods.

ØD	B	Tool No.	Ød	L
1/4	1	51300	1/4	2-1/4
3/8	1-3/8	51302	3/8	3
3/8	1-1/2	51304	1/2	3-1/8
1/2	1-1/2	51306	1/2	3-1/8
1/2	1-3/4	51307	1/2	3-1/4
1/2	2	51308	1/2	4-1/4
1/2	2-1/8	51309	1/2	4-1/4
1/2	2-1/4	51310	1/2	4-1/2
1/2	2-1/2	51311	1/2	4-1/2
1/2	2-5/8	51313	1/2	4-3/4
New New 1/2	2-5/8	51327	1/2	5
1/2	2-5/8	51323	1/2	5-1/2
5/8	2	51315	1/2	4



51325

EXTRA LONG 3 BLADE STAGGER

ØD	B	Tool No.	Ød	L
1/2	3-1/2	51325	1/2	6-1/4

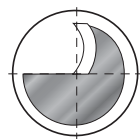
**STRAIGHT
PLUNGE****Trimming
& Beveling****Grooving****Profiling****Rabbeting****Jointing****Door
Making****Solid
Surface**

Router Bits

**ROUTER BITS**

PANEL PILOT

These panel pilot bits have a pointed tip for plunge cuts, a concave grind for speed and an integral solid pilot. It is designed for fast cut-out work and is used extensively in the **mobile home & RV industries**. The single-flute version cuts fast and produces an excellent finish.

**CONCAVE FLUTED**

CONCAVE GRIND SINGLE FLUTE

ØD	B	Tool No.	Ød	L
1/4	3/4	45506	1/4	2-1/2
3/8	1	45507	1/4	2-7/8
3/8	1	45508	3/8	3
1/2	1-3/16	45510	1/2	3-5/8
1/2	2	45511	1/2	4-3/4

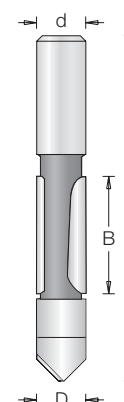
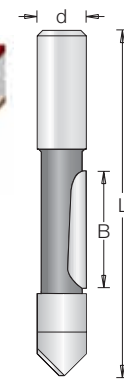


PANEL PILOT

2 FLUTE

Two-flute version of the above bit cuts at a reduced rate, but produces a cleaner cut.

ØD	B	Tool No.	Ød	L
1/4	3/4	45514	1/4	2-1/2
3/8	1	45516	3/8	3
1/2	1-3/16	45518	1/2	3-1/2
1/2	2	45519	1/2	4-3/4



HIGH SPEED STEEL PANEL PILOT (HSS) New

SINGLE FLUTE

The ultimate boring/pilot bit! These HSS panel pilot bits are long lasting and perfect for mobile homes, modular homes and the RV industries. Perfect for: Wood panels, Vinyl coated panels, Wood panels and Aluminum layered material.



STRAIGHT

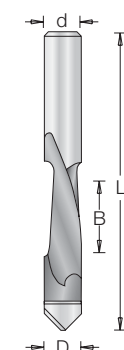
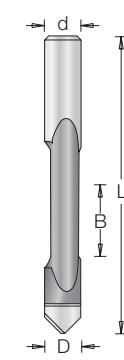
ØD	B	Tool No.	Ød	L
1/4	5/8	HSS11004	1/4	2-3/4
3/8	3/4	HSS11002	3/8	3-1/8
1/2	1	HSS11006	1/2	3-1/2

Perfect for mobile homes and RV industries, the down-cut design ejects the chips away from the operator. Perfect for: Drywall, Wallboard, Vinyl coated panels, Aluminum and Plywood sandwich panels.



SPIRAL

ØD	B	Tool No.	Ød	L
1/4	5/8	HSS11003	1/4	2-3/4
3/8	3/4	HSS11001	3/8	3-1/8
1/2	1	HSS11005	1/2	3-1/2



Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



Solid
Surface

ROUTER BITS

ALUMINUM SPIRAL SOLID CARBIDE

New

SINGLE 'O' FLUTE UPCUT/DOWNCUT

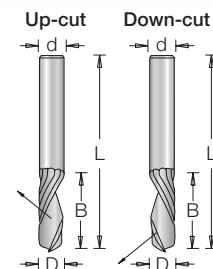
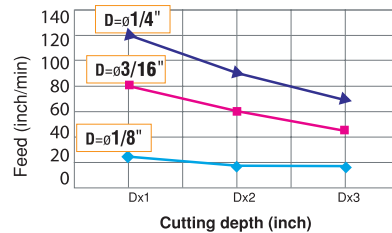
This bit is specifically designed for cutting aluminum, brass, copper and other non-ferrous metals. It is strongly recommended that a lubricant or coolant be used which will prolong the life of the tool and to reduce tool breakage.



PERFECT FOR:

- Aluminum
- Brass
- Copper
- Non-ferrous Metals

The aluminum cutting spiral router bit was designed to eject chips UP or DOWN. The most popular design. Fits most CNC machines.



ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	5/16	51406	51506	1/8	1-1/2
3/16	1/2	51408	51508	1/4	2
1/4	5/8	51402	51502	1/4	2



Please note: For aluminum cutting please lubricate.
The recommended feed rate for Aluminum is 3 M/min or 120 inch/min at 18,000 RPM.

3° PATTERNMAKERS

2 FLUTE

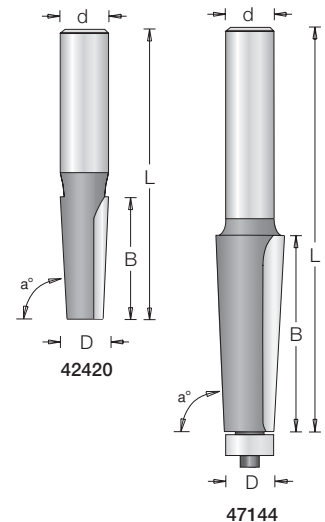
This slightly tapered bit is specifically designed for wood patternmaking, especially wood vacuum-forming molds where draft (3° taper) is required for releasing the styrene or other plastic from the mold. It can be used to bevel the leading edge on a door.



Vacuum-forming mold (wooden)

ØD	a°	B	Tool No.	Ød	L
1/2	3°	1-1/4	42420	1/2	3-1/8
1/2	3°	2-1/8	47144	1/2	4-5/8

Replacement bearing #47706 for tool #47144



**STRAIGHT
PLUNGE****Trimming
& Beveling****Grooving****Profiling****Rabbeting****Jointing****Door
Making****Solid
Surface**

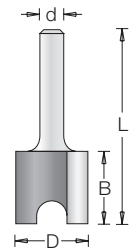
Router Bits

**ROUTER BITS**

MORTISING

2 FLUTE

For cutting shallow mortises for hinges and locksets, use this bit. Its cutting geometry is calculated to produce an exceptionally clean cut with crisp edges.



NOTE

A proper mortising bit, as shown, should have a large gullet between the two flutes, as indicated with an arrow. This allows greater chip clearance and removal.

ØD	B	Tool No.	Ød	L
1/2	3/4	45500	1/4	2
5/8	3/4	45502	1/4	2
3/4	3/4	45504	1/4	2
1	3/4	45501	1/4	2
1-1/4	3/4	45505	1/2	2-1/8
1-1/4	1-1/4	45503	1/2	2-7/8

MORTISING CUTTERS

2 FLUTE • SCREW TYPE CUTTERS ONLY (1/4" - 28 & 5/16" - 24 THREAD)

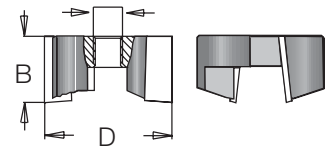
Designed for use in standard lock mortising tools, this cutter can also be used in a standard router if mounted on a separate arbor.

ØD	Tool No.	B	Thread
3/4	55250	1/2	1/4" - 28
7/8	55252	1/2	1/4" - 28
1	55254	1/2	1/4" - 28
1-1/8	55256	9/16	1/4" - 28
1-1/4	55257	9/16	1/4" - 28
1-1/4	55258	5/8	1/4" - 28
1-1/4	* 55255	5/8	5/16" - 24

New

Arbors: 1/4" shank use #47611, 1/2" shank use #47614.

*Arbor 1/4" shank use #47616.



Fits Porter-Cable & other standard model mortising jigs. Also used in door machines.

THREADED ARBOR FOR MORTISING CUTTERS

ØD	Ød	A	B	L	Tool No.	Application
1/4-28NF	1/4	1-7/16	1/4	1-13/16	* 47611	Screw Type mortising bits 55250 through 55258.
5/16-24NF	1/4	1-7/16	1/4	1-13/16	* 47616	Screw Type mortising 55255
1/4-28NF	1/2	1-1/2	1/4	1-1/2	* 47614	Screw Type mortising bits 55250 through 55258.

*Due to application, these arbors are not furnished with hex nut or washers.

UP-SHEAR BIT SLOT MORTISER

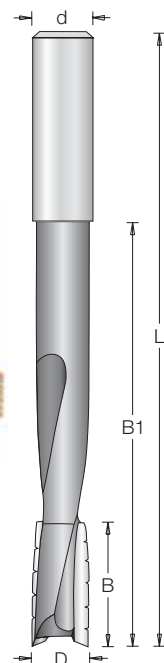
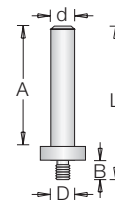
2 FLUTE

These bits are designed to do deep slot and holes for tenon, especially in doors, chairs, tables etc. Special carbide with a 1" long up-shear and chipbreaker for fast cuts and chip clearance. For use in lock mortising machines and door machines.

**Cut Deep Mortises**

ØD	B	B1	Tool No.	Ød	L
1/2	1	2-3/4	▲ 45540	1/2	6
5/8	1	4-3/4	▲ 45542	1/2	6-5/8
3/4	1	4-3/4	▲ 45544	1/2	6-5/8

▲WARNING: DO NOT USE THESE BITS ON A DRILL PRESS MACHINE UNDER ANY CIRCUMSTANCES!



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com

Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



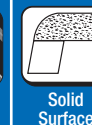
Rabbeting



Jointing



Door
Making



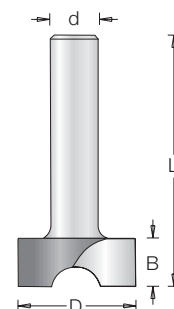
Solid
Surface

MORTISING

DOWN-SHEAR DESIGN • 2 FLUTE

Intended for hinge mortising, this bit is an excellent choice for cutting laps and tenons as well. The sides and bottom of the cut are exceptionally smooth. The down-shear design reduces chipping along the top edge of the cut, especially in laminates, veneered plywood and MDF. The large gullet between the cutting edges provides excellent chip clearance.

ØD	B	Tool No.	Ød	L
1/2	5/16	45570	1/4	1-7/16
1/2	3/4	45572	1/4	2-3/8
5/8	3/4	45574	1/4	2-3/8
3/4	3/4	45576	1/2	2-1/4
1-1/4	15/64	45578	1/2	1-3/4
1-1/4	1/2	45580	1/2	2

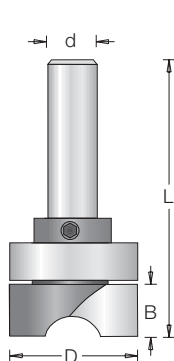
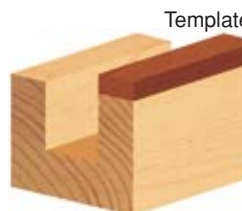


MORTISING WITH UPPER BALL BEARING

DOWN-SHEAR DESIGN • 2 FLUTE

Shank-mounted ball-bearing for template and pattern work.

ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
1/2	3/4	1/4	45582	2-3/8	47701	47724
5/8	3/4	1/4	45584	2-3/8	47712	47724
3/4	3/4	1/4	45586	2-7/16	47714	47724
1-1/4	15/64	1/2	45588	2-11/32	47756	47740
1-1/4	1/2	1/2	45590	2-5/8	47756	47740

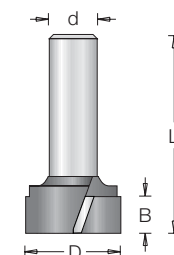


MORTISING BIT FOR BOTTOM CLEANING

UP-SHEAR DESIGN • 2 FLUTE

This bit is intended for broad, very shallow cuts, where an exceptional finish is desired. Use it to clean up previously cut dados and grooves, or for surfacing cuts. The up-shear configuration improves chip removal, while the cutting-edge orientation produces a smooth surface.

ØD	B	Tool No.	Ød	L
3/4	7/16	45560	1/4	2-1/4
3/4	7/16	45562	1/2	2-1/2
1	7/16	45564	1/2	2-1/2
1-1/2	5/8	45566	1/2	2-3/4

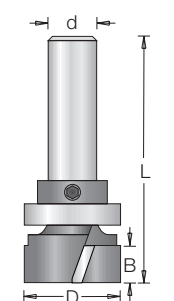
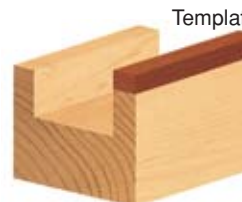


MORTISING BIT FOR BOTTOM CLEANING WITH UPPER BALL BEARING

UP-SHEAR DESIGN • 2 FLUTE

Shank-mounted ball-bearing for pattern and template routing.

ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
3/4	7/16	1/4	45561	2-1/4	47714	47724
3/4	7/16	1/2	45563	2-1/2	47721	47740
1	7/16	1/2	45565	2-1/2	47754	47740
1-1/2	5/8	1/2	45567	2-3/4	47758	47740





**STRAIGHT
PLUNGE**



**Trimming
& Beveling**



Grooving



Profiling



Rabbeting



Jointing



**Door
Making**



**Solid
Surface**

Router Bits



FLUSH TRIM PLUNGE TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

This bit is essentially a plunge-cutting straight with a shank-mounted ball-bearing pilot. It is a versatile bit, useful for template/pattern routing of parts, joints, and internal cuts, and can be used in handheld and table-mounted routers. The template is attached to the workpiece, and the pilot bearing rides along its edge as the cutting edges rout the workpiece, forming an exact duplicate of the template. With a handheld router, the pattern is on top of the work; with a table-mounted router, the pattern is underneath the work.

1/4" SHANK

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
New	3/8	1/2	1/4	† 45475	2	47751(2)	47724
	1/2	3/8	1/4	* 45481	2-1/4	47701	47724
New	1/2	1/2	1/4	45487	2-1/2	47701	47724
New	1/2	3/4	1/4	45491	2-1/4	47701	47724
	1/2	1	1/4	45460	2-1/2	47701	47724
	1/2	1-1/4	1/4	45461	2-3/4	47701	47724
	5/8	1	1/4	45462	2-3/4	47712	47724
	5/8	1/2	1/4	45482	2-1/4	47712	47724
	5/8	3/4	1/4	45483	2-1/2	47712	47724
	3/4	3/4	1/4	45485	2-3/8	47714	47724
	3/4	1	1/4	45464	2-1/2	47714	47724

*For use on hardwood & flooring medallions. † Double Bearing.
See pages 20 & 86 for additional flooring bits.

3/8" SHANK

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
New	7/8	1	3/8	45499	2-5/8	47741	47730
	1	1	3/8	45466	2-7/8	47722	47730

1/2" SHANK

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
	3/4	1	1/2	45463	3	47721	47739
	* 3/4	1-1/4	1/2	45360	3-1/4	47721	47739
	* 3/4	1-1/2	1/2	45362	3-1/2	47721	47739
	3/4	1-3/4	1/2	45465	3-3/4	47721	47739
	* 3/4	2	1/2	45364	4	47721	47739
20!	1	1-3/4	1/2	45467	3-3/4	47754	47739
New	1-1/8	1	1/2	45550	3	47738	47740
20!	1-1/8	1-1/2	1/2	45468	3-1/2	47738	47740
New	1-1/8	2	1/2	45551	4	47738	47740

* **Down-Shear Angle** - The shear angle cuts faster, cleaner and lasts longer than straight angle because of the chip removal speed. We recommend using shear angle in most instances especially where large diameters are used.

⚠ **WARNING:** Maximum RPM 20 = 20,000

FLUSH TRIM PLUNGE TEMPLATE WITH OVERSIZED UPPER BALL BEARING

2 FLUTE

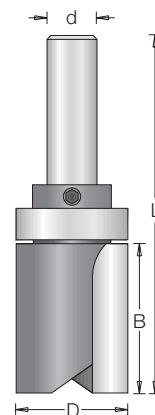
For template use with specified jigs.

ØD	B	Ød	L	A	Tool No.	Repl. Bearing	Jigs
5/16	3/4	1/4	2-3/4	3/32	45495	47701	Porter Cable Morten™, Morten & Tenon, Omnijig®
1/2	1/4	1/4	1-7/8	1/8	45496	47714	Hinge-Mate™ II Template
9/16	3/4	1/4	2-1/4	1/32	45497	47712	Keller Box Joint

Replacement collar #47724.

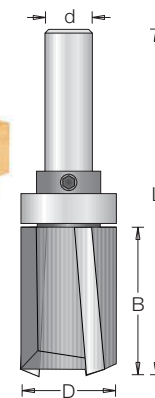
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

Template



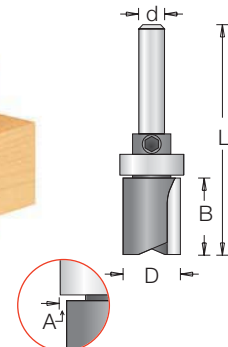
ROUTER BITS

Template



*Down-Shear Angle
45360, 45362 & 45364

Template



Router Bits



STRAIGHT
PLUNGE



Trimming
& Beveling



Grooving



Profiling



Rabbeting



Jointing



Door
Making



Solid
Surface

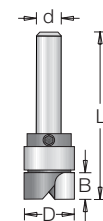
DADO CLEAN-OUT

2 FLUTE • 1/4" SHANK

Bits designed with a 1/4" cutting edge for **dado clean-out**. Also used in hardwood and flooring medallions.

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
New	3/8	1/4	1/4	†45475-S	1-3/4	47751(2)	47724
New	1/2	1/8	1/4	45489-S	1-3/4	47701	47724
	1/2	1/4	1/4	45460-S	1-5/8	47701	47724
	5/8	1/4	1/4	45462-S	1-3/4	47712	47724
	3/4	1/4	1/4	45464-S	1-3/4	47714	47724

† Double Bearing



45460-S
1/4" Cutting Length
dado clean-out

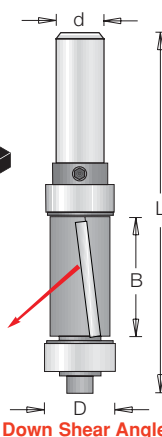
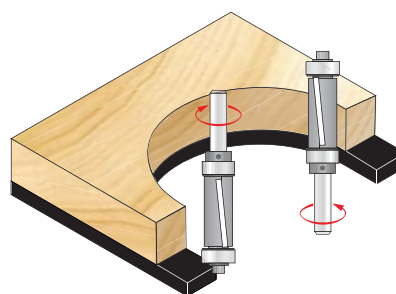
DOWN-SHEAR MULTI TRIMMER

New

This adaptable double bearing guided cutter has down-shear design, which ensures a clean cut even in difficult materials. The two bearing design allows the cutter to be used with the template mounted on either side of the work and, consequently, it is possible to cut from either direction using only one template and without moving the template to the other side of the work piece.

This is especially useful when cutting curves which run both with and against the grain.

	ØD	B	Ød	Tool No.	L	Replacement Bearing Upper	Lower
	1/2	5/8	1/4	47094	2-3/32	47701	47706
	3/4	1-1/4	1/2	47096	3-3/4	47721	47714
	3/4	2	1/2	47097	4-5/16	47721	47714



Down Shear Angle

INSERT CARBIDE FLUSH TRIM TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

Insert carbide is the economical way to go. Each knife has two edges; saves down time. We have three different grades of carbide for various applications, such as: hard/softwood, MDF, solid surface, chip board and plywood.

	ØD	B	Ød	Tool No.	L	Replacement Knives
New	3/4	20mm	1/2	RC-1228	3-1/4	RCK-222
	3/4	30mm	1/2	RC-1230	3-1/4	RCK-30
	3/4	50mm	1/2	*RC-2400	4-3/4	RCK-151

*This tool is meant for difficult work. The knives are held with 3 screws.

Replacement bearing #47721

Replacement collar #47739

Replacement knife screws #67115

Different size overhangs can be achieved by replacing bearing #47721 with the following bearings:

Bearing No.	'A'
47745	1/8
47747	1/4

Above bearings must be purchased separately.

