

SECTION Y - TABLE OF CONTENTS

Section Y Contents:

Amana Profiling Bits2
 Amana Invectra™ and Plastic Cutting™ Bits.....3
 Amana Straight Plunge Bits 4-5
 Amana Panel Pilot Bits5
 Amana Spiral Flute Plunge Bits..... 6-7
 Amana Trim Bits.....8-11
 Amana Solid Surface Bits 12-13
 Amana Sink Bits..... 13
 Amana Ball Bearings 14
 Amana Slotting Cutters 15
 Bosch Trim/Plunge Bits..... 16-17
 Bosch Joint Making & Edge Forming Bits ... 18
 Countersinks 18-19
 Drill Bits 20-21
 Vix Bits..... 22
 Boring Bits..... 22-23
 Würth Jig Saw Blades..... 24-25
 Bosch Jig Saw Blades 26-27
 Würth Holesaws & Saw Blades 28
 Amana & A.G.E. Saw Blades 29-32



A
B
C
D
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A AMANA PROFILING BITS

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Chamfer Carbide Tipped, 2 Flute with Ball Bearing Guide



- Chamfer or bevel edges for decorative effect or to form edge miter joints
- Produces crisp, uniform edges at accurate angles to make 4-, 6-, 8-, 12- or 16- sided boxes

Item #	D Cutting Diameter	B Cutting Height	d Shank Diameter	L Overall Length	a° Angle
AN49400	1-1/4"	1/2"	1/4"	2"	45°
AN49402	1-1/4"	1/2"	1/2"	2-3/8"	45°



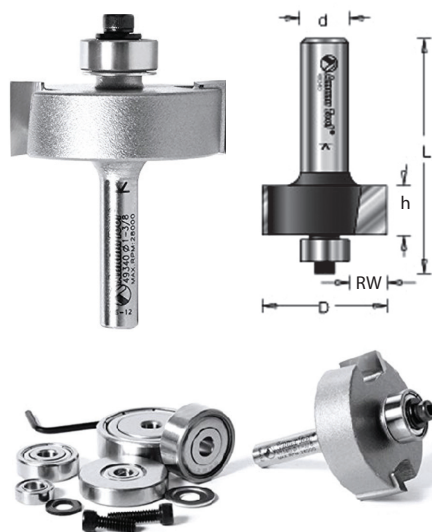
Corner Rounding, Carbide Tipped, 2 Flute with Ball Bearing Guide



- Rounds an edge to a given radius, the tool is shouldered to cut a fillet
- The cut can be used to ease edges, as a simple profile, or as a part of a complex one

Item #	D Cutting Diameter	D1	R Radius	B Cutting Height	Diameter	Overall Length
AN49492	5/8"	1/2"	1/16"	5/16"	1/4"	1-3/4"
AN49496	3/4"	1/2"	1/8"	3/8"	1/4"	2"
AN49504	1"	1/2"	1/4"	1/2"	1/4"	2"
AN49512	1-1/4"	1/2"	3/8"	5/8"	1/4"	2-3/16"
AN49516	1-1/2"	1/2"	1/2"	3/4"	1/4"	2-1/4"
AN49518	1-1/2"	1/2"	1/2"	3/4"	1/2"	2-5/8"
AN49519*	1-3/4"	1/2"	5/8"	7/8"	1/2"	2-3/4"

*Maximum RPM 28,000.



Multi-Rabbet Set Carbide Tipped, 2 Flute with Ball Bearing Guide

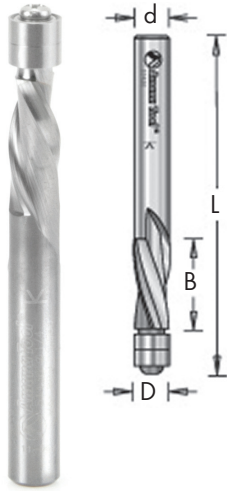


- The Multi-Rabbet bit steps in 1/16" increments from a 1/8" cut width to 1/2", simply by switching ball-bearing guides
- Six different bearings are provided
- Depth of cut capacity of 1/2"
- Use in a handheld or table-mounted router



Item #	D Cutting Diameter	A	B Cutting Height	d Diameter	L Overall Length
AN49340	1-3/8"	1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2"
AN49350	1-3/8"	1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2-3/8"

AMANA INVECTRA & PLASTIC CUTTING BITS

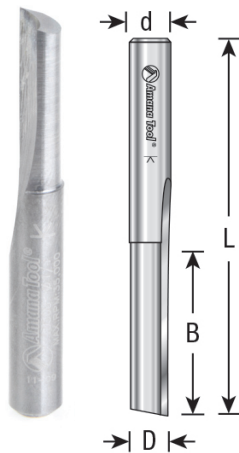


**Invectra™ Aluminum Laminate Trim Bit
Solid Carbide Spiral, 2 Flute with
Ball Bearing Guide**



- Designed for trimming all decorative aluminum laminates manufactured by Formica® (except #2178), Advanced Technology Inc. (ATI™), DecoMetal® and many others
- Each bit is fitted with a steel bearing guide that enables users to trim laminate materials flush
- Not for use on stainless steel

Item #	D Cutting Diameter	B Cutting Height	d Shank	L Overall Length
AN51430	1/4"	5/8"	1/4"	2-3/8"

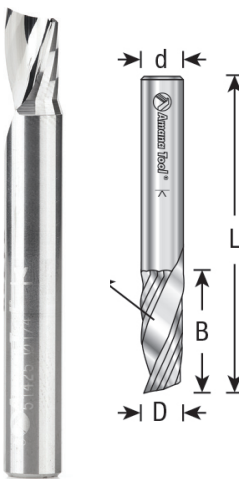


**Solid Carbide Single 'O'
Flute Plastic Cutting**



- Solid carbide 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

Item #	D Cutting Dia.	B Cutting Height	d Shank	(L) Overall Length
AN43508	1/4"	3/4"	1/4"	2"



**Solid Carbide CNC Spiral 'O' Single Flute,
Plastic Cutting, Up-Cut**



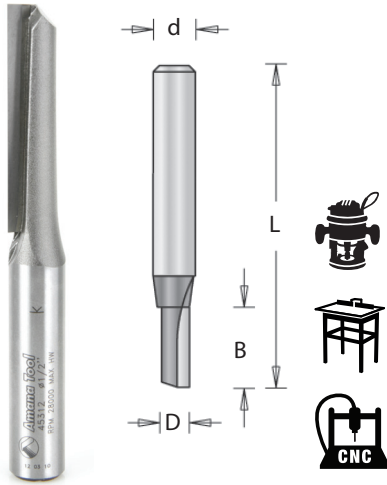
- Produce super clean, smooth cuts especially in acrylic materials (Plexiglas® Lucite®) other plastics and wood
- Bits are made according to strict tolerances from an exclusive carbide grade and polished to a mirror finish using Amana's unique process
- Designed to eject chips up. Ideal for industrial applications and CNC machines
- Right hand helix right hand cut

Item #	D Cutting Dia.	B Cutting Height	d Shank	(L) Overall Length
AN51425	1/4"	3/8"	1/4"	2"

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A AMANA STRAIGHT PLUNGE BITS

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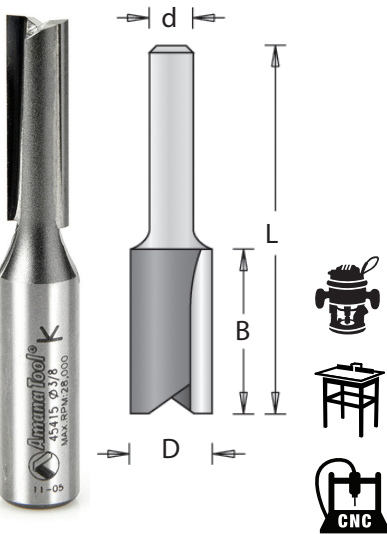


High Production Straight Plunge Carbide Tipped, Single Flute

- Extra strong carbide, last 200% longer
- Superior geometric design provides super clean cuts
- Cost effective



Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
AN45100	1/8"	7/16"	1/4"	2"
AN45108	1/4"	1"	1/4"	2-1/4"
AN45308	1/2"	1-1/4"	1/2"	2-7/8"
AN45312	1/2"	2"	1/2"	4-1/4"



High Production Straight Plunge Carbide Tipped, 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 for a smooth surface; feed rate is slightly reduced
- Extra strong carbide, last 200% longer
- Superior geometric design provides super clean cuts in wood, MDF and plywood
- Cost effective



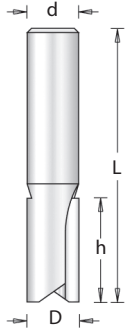
Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
AN45200*	1/8"	7/16"	1/4"	2"
AN45204	1/4"	1/2"	1/4"	2"
AN45208	1/4"	3/4"	1/4"	2
AN45210	1/4"	1"	1/4"	2-1/4"
AN45226	1/2"	1"	1/4"	2-1/8"
AN45230	3/4"	3/4"	1/4"	2"
AN45408	1/4"	3/4"	1/2"	2-1/2"
AN45414	3/8"	1"	1/2"	2-3/4"
AN45415**	3/8"	1-1/4"	1/2"	3"
AN45416	7/16"	1-1/4"	1/2"	3"
AN45418	1/2"	1"	1/2"	2-5/8"
AN45420	1/2"	1-1/4"	1/2"	2-7/8"
AN45422	1/2"	1-1/2"	1/2"	3-1/8"
AN45426	1/2"	2"	1/2"	4-1/4"
AN45427**	1/2"	2-1/2"	1/2"	4-1/2"
AN45438	3/4"	1"	1/2"	2-5/8"
AN45440	3/4"	1-1/4"	1/2"	2-7/8"
AN45448	1"	1-1/4"	1/2"	2-7/8"

NOTE:

*Not guaranteed due to extremely small diameter.

**Not guaranteed due to extreme length.

AMANA STRAIGHT PLUNGE & PANEL PILOT BITS

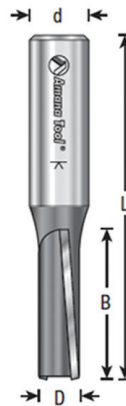


High Production Straight Plunge, Solid Carbide, Single Flute



- For high volume, high speed cutting in dense natural woods and abrasive wood composites
- Solid carbide dissipates heat more uniformly, extending tool life
- Maximum RPM = 28,000

Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
AN43700	1/8"	7/16"	1/4"	2"

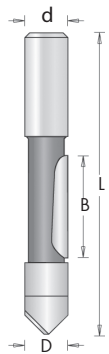


Production Shear Carbide Tipped, 2 Flute, 3° Down-Shear



- Excellent for working composition board and melamine
- These bits cut with a shearing action, slicing very slightly downward to prevent chipping & tearing of the surface veneer or coating
- Bits auger chips away from the router
- Designed primarily for production applications where the router is above the work

Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
AN45420-PS	1/2"	1-1/4"	1/2"	2-7/8"
AN45426-PS	1/2"	2"	1/2"	4-1/4"

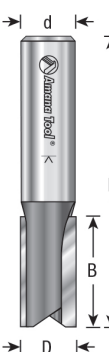


Panel Pilot Carbide Tipped, Single Flute, Heat Treated



- Features a pointed tip for plunge cuts, a special grind for speed and an integral solid pilot
- Designed for fast cut-out work and is used extensively in the mobile/motor home, caravan, star wagon, trailer, coach and RV industries
- This single-flute version cuts fast and produces an excellent finish

Item #	D Cutting Diameter	B Cutting Height	d Shank Diameter	L Overall Length	Flute Grind Type
AN45506	1/4"	3/4"	1/4"	2-1/2"	Concave



Undersized Plywood Dado Plunge, Carbide Tipped, 2 Flute



- Two-flute bit for when 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
- Plywood Thickness 3/4 minus 1/32

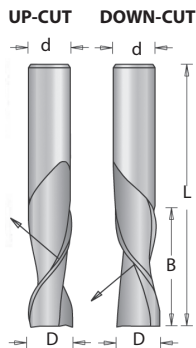


Item #	D Cutting Dia.	B Cutting Height	d Shank	(L) Overall Length
AN45445	23/32"	1-1/4"	1/2"	2-7/8"

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A AMANA SPIRAL FLUTE PLUNGE BITS

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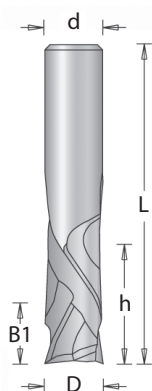


Spiral Flute Plunge
Solid Carbide, 2 Flute, Up-Cut & Down-Cut



- Spiral-flute bits combine a shearing action in cutting with an augering action in chip clearance
- The 'Up-Cut' shears from the bottom up pulling chips from the bottom up thus allowing deeper penetration with less stress on the tool
- Special unique carbide grade increased clearance geometry and razor-sharp cutting edges with polished flutes provide a superior finish and longer tool life especially in abrasive materials
- Great for production settings and excellent for creating grooves and dado cuts in particleboard, plywood and laminate

Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
Up-Cut Bits				
AN46100	1/8"	1/2"	1/4"	2"
AN46102	1/4"	3/4"	1/4"	2-1/2"
Down-Cut Bits				
AN46201	3/16"	3/4"	1/4"	2"
AN46202	1/4"	3/4"	1/4"	2-1/2"
AN46415	1/4"	1"	1/4"	2-1/2"
AN46206	1/2"	1-1/4"	1/2"	3"



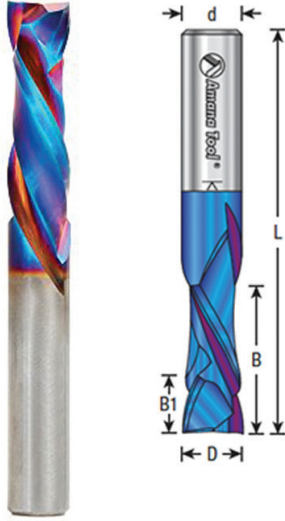
CNC Compression Spiral Flute
Solid Carbide, 2 Flute, for MDF/Laminate



- Special carbide for longer lifetime in abrasive material
- Designed for CNC applications requiring high feed rates and a clean finish
- Particularly suitable for double-sided melamine or laminated material

Item #	D Cutting Diameter	B Cutting Height	B1	d Diameter	L Overall Length
AN46170	1/4"	7/8"	7mm	1/4"	2-1/2"
AN46174	3/8"	1"	9mm	1/2"	3"
AN46188	1/2"	1-1/4"	11mm	1/2"	3"
AN46190	1/2"	1-5/8"	13mm	1/2"	3-1/2"

AMANA SPIRAL FLUTE PLUNGE & TRIM BITS



SPEKTRA
EXTREME TOOL LIFE COATING

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

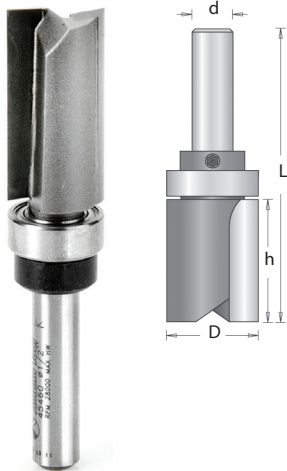


CNC Compression Spiral Flute Solid Carbide, 2 & 3 Flute, For MDF/Laminate



- Designed for CNC applications requiring high feed rates and a clean finish
- Particularly suitable for double-sided melamine or laminated material
- The Spektra™ nACo® nanocomposite coating is a micro thin ceramic coating which enables the tool's cutting edge to retain crucial sharpness and lubricity

Item #	D Cutting Diameter	B Cutting Height	B1	d Diameter	L Overall Length
2 Flute					
AN46170-K	1/4"	7/8"	7mm	1/4"	2-1/2"
AN46171-K	3/8"	7/8"	.200"	3/8"	3"
AN46172-K	3/8"	1-1/4"	9mm	3/8"	3"
AN46188-K	1/2"	1-1/4"	11mm	1/2"	3"
AN46190-K	1/2"	1-5/8"	13mm	1/2"	3-1/2"
3 Flute					
AN46010-K	3/8"	1-1/8"	9mm	3/8"	3"
AN46012-K	1/2"	1-1/4"	9mm	1/2"	3"



Flush Trim Plunge Template Carbide Tipped, 2 Flute with Upper Ball Bearing



- These bits are essentially a plunge-cutting straight with a shank-mounted ball-bearing pilot
- Versatile, useful for template/pattern routing of parts, joints, internal cuts
- Can be used in handheld and table-mounted routers

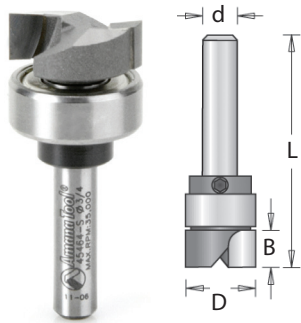


Item #	D Cutting Diameter	B Cutting Height	Diameter	d Overall Length
AN45475*	3/8"	1/2"	1/4"	2"
AN45487	1/2"	1/2"	1/4"	2"
AN45460	1/2"	1"	1/4"	2-1/2"
AN45461	1/2"	1-1/4"	1/4"	2-3/4"
AN45483	5/8"	3/4"	1/4"	2-1/2"
AN45464	3/4"	1"	1/4"	2-1/2"
AN45463	3/4"	1"	1/2"	3"
AN45465	3/4"	1-3/4"	1/2"	3-3/4"
AN45467	1"	1-3/4"	1/2"	3-3/4"
AN45468	1-1/8"	1-1/2"	1/2"	3-1/2"

*Double Bearing.

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AMANA TRIM BITS

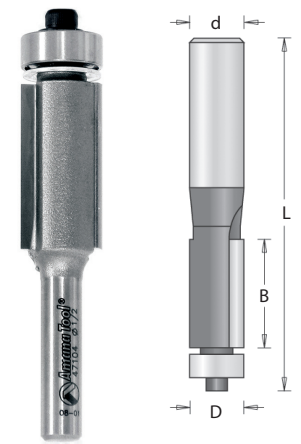


Dado Clean-Out Carbide Tipped, 2 Flute



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

Item #	D Cutting Dia.	B Cutting Height	d Shank Dia.	L Overall Length
AN45460-S	1/2"	1/4"	1/4"	1-5/8"



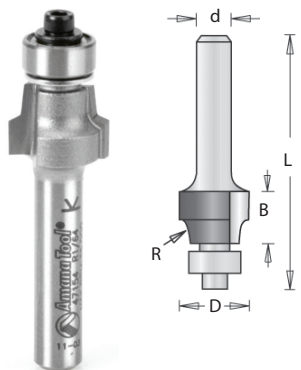
Flush Trim Carbide Tipped with Ball Bearing Guide



- Application: For laminate work or for template and pattern work
- Two flute design provides faster cutting, three flutes yield a superior finish at slower speeds

Item #	D Cutting Diameter	B Cutting Height	d Shank Diameter	L Overall Length
2 Flute				
AN47090*	1/4"	1/2"	1/4"	2-1/4"
AN47092*	1/4"	1"	1/4"	2-1/2"
AN47102	3/8"	1/2"	1/4"	2-1/8"
AN47100	3/8"	1"	1/4"	2-5/8"
AN47106	1/2"	1/2"	1/4"	2-1/4"
AN47104	1/2"	1"	1/4"	2-5/8"
AN47108	1/2"	1"	1/2"	3-1/4"
AN47124	1/2"	1-1/2"	1/2"	3-7/8"
AN47126	1/2"	2"	1/2"	4-1/4"
3 Flute				
AN47114	1/2"	1"	1/4"	2-5/8"
AN47118	1/2"	1"	1/2"	3-1/4"

*1/4" diameter for closer inside corner cutting only; bearings not guaranteed due to size.



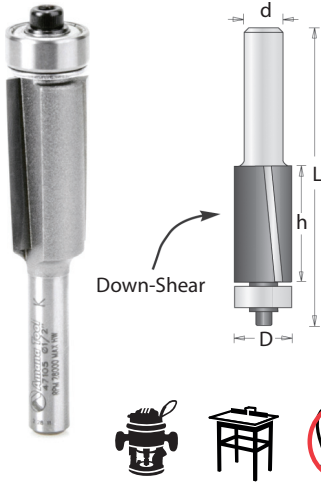
No File™ Flush Trim, Carbide Tipped, 2 Flute with Ball Bearing Guide



- Patented No-File™ bit breaks the sharp edge as it trims the laminate flush
- Eliminate the time consuming hand-filing that normally follows each trimming cut on a laminate job

Item #	D Cutting Diameter	B Cutting Height	d Shank Diameter	L Overall Length	R Radius
AN47150	1/2"	3/8"	1/4"	1-7/8"	.059
AN47154	1/2"	3/8"	1/4"	1-7/8"	.015

AMANA TRIM BITS



Dynabit™ Laminate Trim, Carbide Tipped, 2 Flute with Ball Bearing Guide



- The Dynabit™ line features a modest down-shear for an excellent finish
- The helix bits have a spiral-like twist to the cutting edges, making them especially good on difficult materials such as melamine

Item #	D Cutting Diameter	B Cutting Height	d Diameter	L Overall Length
AN47105	1/2"	1"	1/4"	2-5/8"
AN47182	3/4"	5/8"	1/4"	2-1/4"

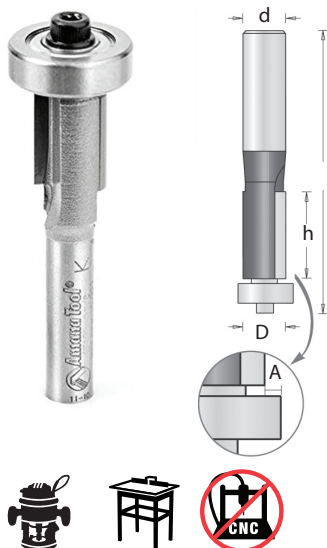


Laminate Trimmer with Euro™ Square Bearing Carbide Tipped, 2 Flute



- Bits feature a slight taper allowing for adjustment up/down on the edge to finish off the edge with a smooth, burr free cut
- The square bearing is manufactured with a non-stick Teflon® which won't mark your edge so it can be wiped clean easily
- Will not scratch high matte or gloss laminates

Item #	D Cutting Diameter	B Cutting Height	d Shank Size	L Overall Length
AN47147	1/2"	19/64"	1/4"	1-3/4"
AN47148	3/4"	5/8"	1/4"	2-3/8"
AN47149	3/4"	5/8"	1/2"	2-5/8"



"Overhang" Trim Carbide Tipped, 2 Flute with Ball Bearing Guide



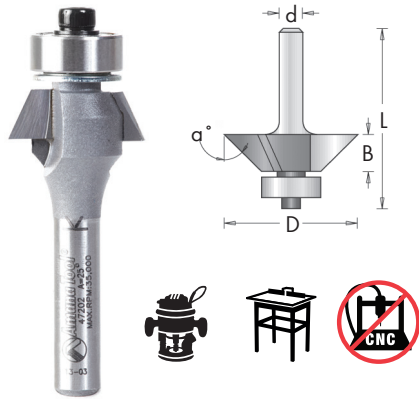
- Stage flush trimming cuts, whether in laminate work or template work, with this bit
- Trimming the material in two passes reduces chipping in laminates and tearout in solid wood
- A preliminary cut with the overhang bit leaves a small overhang in laminate or template work, leaves an edge slightly protruding the template
- Complete the operation with a final pass using a standard trim bit

Item #	D Cutting Diameter	B Cutting Height	A Overhang	d Dia.	L Overall Length	Replace Bearing
AN47190	3/8"	1/2"	1/8"	1/4"	2"	AN47718

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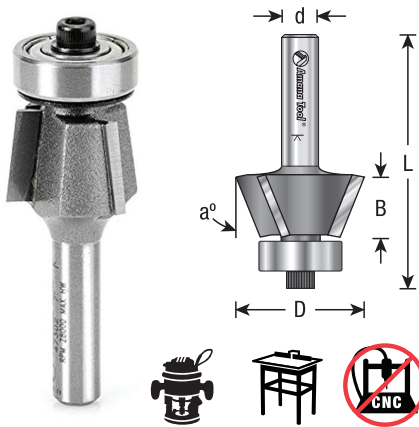


Bevel Trim Carbide Tipped, 2 Flute with Ball Bearing Guide



- Steel-bodied, carbide tip bit for bevel trimming laminate with a standard hand held router
- The solid construction reduces vibration for the smoothest cut possible with a two-flute bit

Item #	D Cutting Diameter	B Cutting Height	d Shank Diameter	L Overall Length	α° Angle
AN47200	5/8"	1/4"	1/4"	2-3/32"	15°
AN47202	3/4"	1/4"	1/4"	2-3/32"	25°

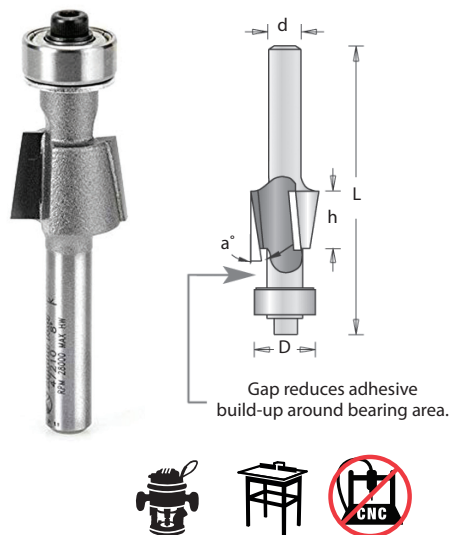


Bevel Trim Carbide Tipped, 3 Flute with Ball Bearing Guide



- The solid construction of this carbide-tipped bit reduces vibration
- The three-flute configuration produces a very smooth cut

Item #	D Cutting Diameter	α°	B Cutting Height	d Diameter	L Overall Length
AN47302	3/4"	7°	7/16"	1/4"	2"



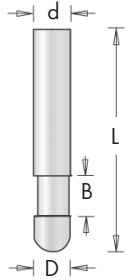
Special Bevel Trim, Carbide Tipped, 2 Flute with Ball Bearing Guide



- A very shallow bevel angle and the gap between the cutting edges and the ball-bearing pilot are the key features of this carbide-tipped bit
- The gap collects adhesive residue that usually fouls the pilot and thus degrades the cut

Item #	D Cutting Diameter	α°	B Cutting Height	d Diameter	L Overall Length
AN47210	5/8"	8°	15/32"	1/4"	2-1/4"

AMANA TRIM BITS

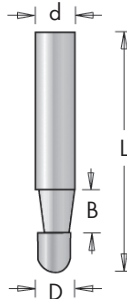


Flush Trim Panel Pilot Solid Carbide, Single Flute



- Laminate trimming router bit for high volume production
- Solid carbide and integral pilot (no bearing to maintain) extend life of router bit, slim configuration reduces vibration

Item #	D Cutting Diameter	B Cutting Height	d Shank Size	L Overall Length
AN51200	1/4"	1/4"	1/4"	1-1/2"

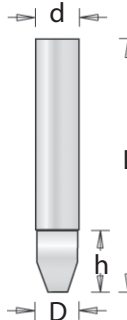


Bevel Trim Panel Pilot, Solid Carbide Single Flute



- Laminate trimming router bit for high volume production
- Solid carbide and integral pilot (no bearing to maintain) extend life of router bit, slim configuration reduces vibration

Item #	D Cutting Diameter	B Cutting Height	d Shank Size	L Overall Length	Type of Cut
AN51202	1/4"	1/4"	1/4"	1-1/2"	7° Bevel

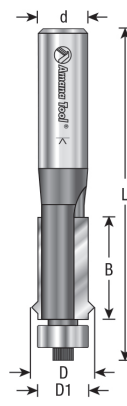


Combination Flush and 7° Bevel Trimmer Solid Carbide, Single Flute



- Designed specifically for use in a laminate trimmer - will both flush and bevel trim
- A change in cut depth is all it takes to switch from one to the other
- Must be used with a separate ball-bearing or edge guide

Item #	D Cutting Diameter	α°	B Cutting Height	d Diameter	L Overall Length
AN51706	1/4"	7°	3/8"	1/4"	1-1/2"



Carbide Tipped Flush Trim V-Groove



- Trim the edges of face frames flush with cabinet sides with this bit
- At the same time, cut a decorative V-groove to conceal the seam between the frame and the case

Item #	D Cutting Dia.	D1	B Cutting Height	d Shank	(L) Overall Length
AN47160	5/8"	1/2"	1"	1/4"	2-5/8"
AN47162	5/8"	1/2"	1"	1/2"	3-1/4"

A AMANA SOLID SURFACE BITS

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Carbide Tipped Dovetail 14 Degree, 2 Flute



- The 14° dovetail bit is used with common half-blind dovetail jigs, as well as with Omniijig®, Incra® and Leigh® jigs

Item #	D Cutting Dia.	α° Angle	B Cutting Height	d Shank	(L) Overall Length
AN45804	1/2"	14°	1/2"	1/4"	1-3/4"



Carbide Tipped 2-Piece Architectural Stile and Rail Set



- Carbide Tipped
- 2 Flute with Ball Bearing

Item #	D Cutting Dia.	R Radius	B Cutting Height	d Shank	(L) Overall Length	B1	T	R1	L1	C
AN55428	1-15/32"	1/4"	1"	1/2"	2-13/16"	55/64"	7/32"	5/64"	2-15/16"	1/2"



Undermount Bowl, Carbide Tipped, 2 Flute with Ultra Glide™ Ball Bearing Guide

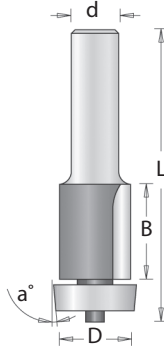


- These bits prepare and/or finish countertop edges in conjunction with undermount bowl installations
- The Roundover trims and profiles the countertop edges after the bowl is mounted
- The bevel bit trims the sink cut-out flush with an installed undermount bowl; it can also be used with template to prepare a sink cut-out for a bevel mount bowl
- Note: Both of these tools can be used for undermount applications of Corian® sink and bowl #'s 802S, 804S, 805S, 8029S, and 871S.
- The bevel tool can be used in bevel mount applications of Corian® sink and bowl #'s 804A, 805A, 830A, 825LA, 825RA, and 854RA
- Carbide Tipped
- 2 Flute with Ball Bearing



Item #	Material Thickness	D Cutting Diameter	B Cutting Height	α° Angle	R Radius	B1	d Shank Dia.	L Overall Length	Application
AN57122	1/2" & 3/4"	1-1/4"	15/16"	11.5°	-	-	1/2"	3"	Bevel
AN57128	1/2"	2-1/8"	1"	18°	1/2"	3/4"	1/2"	3"	Roundover

AMANA SOLID SURFACE & SINK BITS



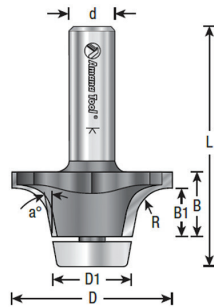
Bowl & Sink Trim Carbide Tipped, 2 Flute with Ultra Glide™ Ball Bearing Guide



- Trim a sink cut-out flush with the bowl in stages using these “over-hang” and flush trim bits in tandem
- The overhang bits are equipped with non-marring Ultra-Glide™ bearings that are tapered to match the slope of the bowl’s side
- A first pass with the appropriate overhang bit cleans the cut-out edge, leaving a very slight overhang at the underside of the counter
- A pass with the flush-trim bit completes the operation



Item #	D Cutting Diameter	B Cutting Height	α°	d Shank Dia.	L Overall Length	Description
AN57153	3/4"	1"	10°	1/2"	3-1/4"	1/16" Overhang
AN57155	49/64"	1-1/2"	5°	1/2"	3-1/2"	1/8" Overhang
AN57154	3/4"	1"	0°	1/2"	3-1/2"	Flush Trim



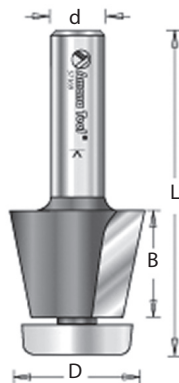
Undermount Bowl, Carbide Tipped, 2 Flute with Ultra Glide™ Ball Bearing Guide



- Trim and profile the counter-top edges after the bowl is mounted
- Bit has a cutting draft with a bearing that matches, enabling the cutter to do more work so you have to do less
- Use with Wilsonart® Vanity #'s BV1514, BV1812, BV1313, BV1711; Wilsonart® Kitchen Sink #'s BK2015, BK1515, BD1630, BD3016, BK2716US; Formica Vanity #L080; Formica Kitchen Sink #'s K080A, K250A and more



Item #	D	D1	α°	R	B	B1	d	L
AN57267	2-9/64"	13/16"	10°	33/64"	63/64"	25/32"	1/2"	2-25/32"



Karran® Stainless Steel Sink Edge, Carbide Tipped, 2 Flute with Ultra Glide™ Ball Bearing Guide



- Designed specifically for use with Lanser™ stainless steel Edge Sinks™
- For laminate and 1/2" solid surface materials
- Use to trim the counter-top edge after the bowl is mounted



Item #	D Cutting Diameter	Angle	B Cutting Height	d Shank Diameter	L Overall Length
AN57169	1-3/16"	11.5°	1"	1/2"	3-1/8"
AN49409	7/8"	15°	7/8"	1/4"	2-1/4"

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A ROUTER BIT REPLACEMENT PARTS

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Steel Ball Bearing Guides



- Repairing and altering the profile of router bits
- Stocked in Amana but will fit most brands

Item #	Width	Inside Diameter	Outside Diameter
AN47723	7/64"	1/8"	1/4"
AN47704	5/32"	1/8"	3/8"
AN47702	1/8"	3/16"	3/8"
AN47706	3/16"	3/16"	1/2"
AN47718	3/16"	3/16"	5/8"
AN47701	3/16"	1/4"	1/2"
AN47712	3/16"	1/4"	5/8"
AN47714	9/32"	1/4"	3/4"
AN47708	9/32"	5/16"	7/8"
AN47721	5/32"	1/2"	3/4"
AN47738	5/16"	1/2"	1-1/8"



**Ultra-Glide™ Ball Bearing, Replacement Glides
Hi-Performance**



- Ultra-Glide™ bearings feature satin-smooth Delrin® sleeves
- Delrin® is an industrial synthetic plastic material similar to nylon, and will leave no marks on the material being cut
- Applications include solid surface materials, clear acrylics, and plastic laminates
- Not recommended for regular wood applications due to a higher wear factor

*NOTE: Amana 57156-57168 Bowl Bits Only.
† Includes Teflon® dust shield.

Item #	Inside Diameter	Outside Diameter	Angle
AN47707	3/16"	1/2"	-
AN47709†	1/4"	3/4"	-
AN47727	5/16"	1-3/8"	-
AN47731*†	1/4"	7/8"	10



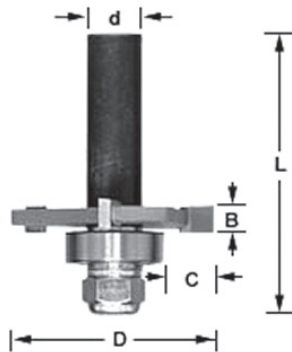
Euro™ Square Bearing



- Will not scratch or mark laminates with matt or high gloss finish
- Can be mounted to any 1/2" diameter Amana Tool® flush trimmer
- Manufactured with non-stick Teflon

Item #	I.D. x O.D.	Bearing Thickness
ANSQB100	3/16" x 1/2"	.223
ANSQB102	3/16" x 3/4"	.273

AMANA SLOTING CUTTERS

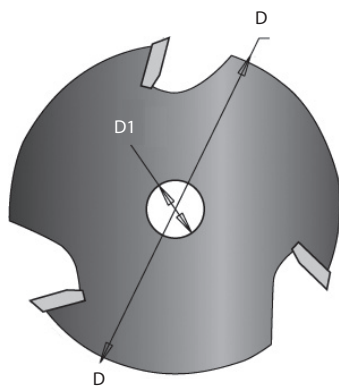


Slotting Cutter Assemblies Carbide Tipped, 1/4" Shank



- Groove edges for T-moldings, splines or biscuits, routing tongue and groove joinery, and other purposes
- Each assembly includes a cutter, bearing for a 1/2" deep cut and 1/4" shank arbor
- Use in a handheld or table-mounted router

Item #	D	B	C	d	L
AN53400	1-7/8"	1/16"	1/2"	1/4"	2-3/8"
AN53404	1-7/8"	3/32"	1/2"	1/4"	2-3/8"
AN53406	1-7/8"	1/8"	1/2"	1/4"	2-3/8"
AN53410	1-7/8"	1/4"	1/2"	1/4"	2-3/8"



Slotting Cutters, 3 Wing Carbide Tipped



- Cutter only, Arbor sold separately
- AN53207 also used for "biscuit-joint" cutting

Item #	D	B	d
AN53200	1-7/8"	1/16"	5/16"
AN53202	1-7/8"	5/64"	5/16"
AN53204	1-7/8"	3/32"	5/16"
AN53206	1-7/8"	1/8"	5/16"
AN53207	1-7/8"	5/32"	5/16"
AN53210	1-7/8"	1/4"	5/16"



Slotting Cutter Arbors

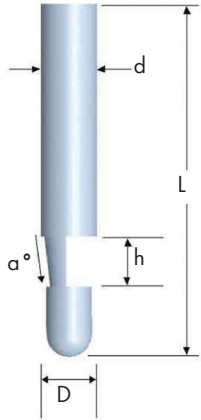


- Arbors for use with 2-wing and 3-wing slotting cutters
- All include hex nuts and washers necessary for securing cutters

NOTE: These are arbors only, cutters sold separately.

Item #	Use With	Shank Diameter	Overall Length
AN47600	2 & 3-Wing Cutters	1/4"	2-3/8"

A BOSCH TRIM / CUTOUT BITS

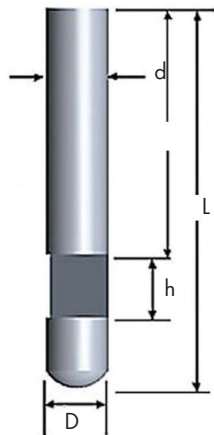


**Bevel Trim,
Solid Carbide, Single Flute**



- Provides 7-1/2deg bevel on the edge of laminate surface when trimming
- Solid pilot wipes clean - no ball bearing seizure from adhesives
- Classic design for high production countertop and fixture production
- Solid carbide for long life in production applications

Item #	D Cutting Diameter	h Cutting Height	d Shank Diameter	L Overall Length	α° Angle
BO85286	1/4"	1/4"	1/4"	1-1/2"	7-1/2°



**Flush Trim,
Solid Carbide, Single Flute**



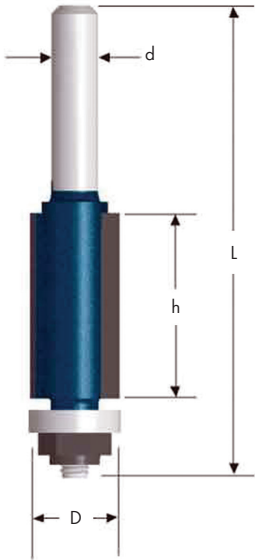
- For trimming high-pressure laminates flush to a substrate
- Solid pilot wipes clean - no ball bearing seizure from adhesives
- Classic design for high production countertop and fixture production
- Solid carbide for long life in production applications

Item #	D Cutting Diameter	h Cutting Height	d Shank Diameter	L Overall Length
BO85285	1/4"	1/4"	1/4"	1-1/2"

**FOR
ROUTERS,**
See Section V



BOSCH TRIM AND PLUNGE BITS

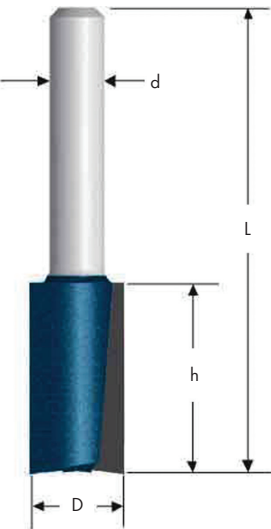


Flush Trim, Carbide Tipped, 2 and 3 Flute, With Ball Bearing Guide



- Ideal for fast, smooth, flush trim cuts
- Control cut design helps minimize kickback
- For trimming laminates, veneers, and similar materials
- Micrograin carbide tips provide superior wear resistance and long life
- Shielded, compact ball-bearing pilot guides bit along edge of material

Item #	D Cutting Dia.	h Cutting Height	d Shank Dia.	L Overall Length
2 Flute				
BO84501M	1/4"	1"	1/4"	2-9/16"
BO85269M	3/8"	1/2"	1/4"	2-1/8"
BO85268M	3/8"	1"	1/4"	2-5/8"
BO85267M	1/2"	5/8"	1/4"	2-1/4"
BO85266M	1/2"	1"	1/4"	2-1/2"
3 Flute				
BO85216M	1/2"	1"	1/4"	2-1/2"



Straight Plunge Carbide Tipped or Solid Carbide, 2 Flute



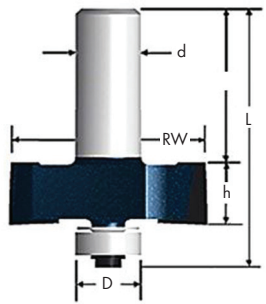
- 2 flute design provides a smooth finish and good feed rates
- Micrograin carbide tips give excellent smoothness of cut and long life
- Balanced cutting with minimal vibration
- Specially designed tips provide fast plunge cutting
- Strong webbing and heavy cutter backing extend bit life

Item #	D Cutting Diameter	h Cutting Height	d Shank Diameter	L Overall Length
Carbide Tipped				
BO85221M	1/4"	5/8"	1/4"	2"
BO85250M	1/4"	7/8"	1/4"	2-1/8"
BO85427M	1/2"	1"	1/2"	2-5/8"
BO85242M	1/2"	1-1/2"	1/2"	3-1/8"
Solid Carbide				
BO85213M	1/8"	1/2"	1/4"	2"

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A BOSCH JOINTMAKING / EDGE FORMING BITS AND COUNTERSINKS

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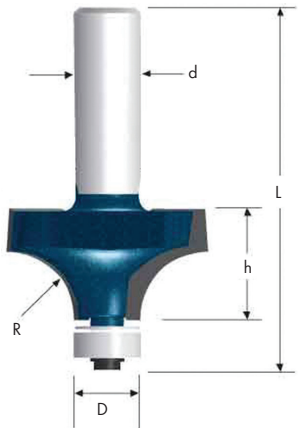


Rabbeting, Carbide Tipped, Single Flute with Ball Bearing Guide



- Cuts rabbeted edges for joints, drawer fronts, and other applications
- Control cut design helps minimize kickback
- For making rabbeting cuts without the use of a router guide
- Micrograin carbide tips provide superior wear resistance and long life
- Compact ball-bearing pilot guides bit along edge of material

Item #	RW Rabbet Width	D Cutting Diameter	h Cutting Height	d Shank Diameter	L Overall Length
BO85615M	1/2"	1-3/8"	1/2"	1/2"	2-3/8"

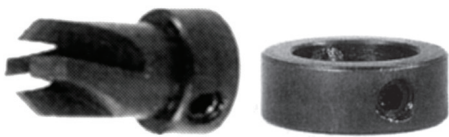


Roundover, Carbide Tipped, 2 Flute with Ball Bearing Guide



- Creates smoothly radiused edges on boards and panels
- Smoothly radiused edge requires little or no sanding before applying finish
- Micrograin carbide tips provide superior wear resistance and long life
- Control cut design helps minimize kickback
- Compact ball-bearing pilot guides bit along edge of material

Item #	D Cutting Diameter	h Cutting Height	R Radius	d Shank Diameter	L Overall Length
BO85290M	3/4"	3/8"	1/8"	1/4"	2"
BO85294M	1"	1/2"	1/4"	1/4"	2"
BO85296M	1-1/4"	5/8"	3/8"	1/4"	2-3/16"



Countersinks

Stop Collars

Countersinks/Stop Collars



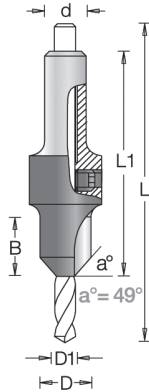
- Countersinks and counterbores flat head screw heads in woods, plastics and non-ferrous materials
- Stop collars are used to control depth of countersink

Countersinks			
Item #	Drill Dia.	Screw Size	Counter Bore Hole Size
FIC5	1/8"	#5	3/8"
FIC6	9/64"	#6	3/8"
FIC7	5/32"	#7	3/8"
FIC8	11/64"	#8	3/8"
FIC9	3/16"	#9	3/8"
FIC10	13/64"	#10	7/16"
FIC913	13/64"	#10	3/8"

Stop Collars		
Item #	Inside Diameter	Width
FISC1/4	1/4"	1/4"
FISC3/8	3/8"	1/4"
FISC1/2	1/2"	1/4"

Sets	
Item #	Description
FIC	Set of 7 Countersinks includes: C5 - C10, C12 Plus 3/32" Key
FISC	Set of 7 Stop Collars includes: (5) 3/8" I.D.; (1) 7/16" I.D.; (1) 1/2" I.D.

COUNTERSINKS



**82° Countersinks Carbide Tipped,
For Wood Screws**

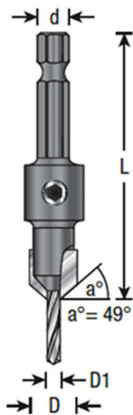


- 2-Wing with slow spiral, HSS M2 DIN 338 fully ground drill
- Used to countersink holes for the heads of screws
- The 2-flute integral design ensures uniform and concentric results each and every time
- Carbide tips provide chip-free hole edges and lasts much longer than steel countersinks
- 49° Angle

Item #	Screw Size	D	D1	B	d	L1	L
AN55202	#6	3/8"	1/8"	1/2"	5/16"	1-5/8"	2-9/16"
AN55204	#6	25/64"	9/64"	1/2"	5/16"	1-5/8"	2-3/4"
AN55206	#8	25/64"	5/32"	1/2"	5/16"	1-5/8"	2-7/8"
AN55208	#8	7/16"	11/64"	1/2"	5/16"	1-5/8"	3"
AN55210	#10	7/16"	3/16"	1/2"	3/8"	1-3/4"	3"

Replacement Bits

Item #	Use With	Item #	Use With
AN630102	AN55202	AN630302	AN55206, AN55208
AN630802	AN55204	AN630402	AN55210

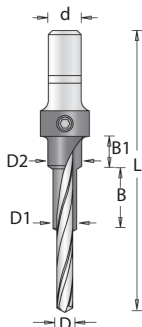


**82° Countersinks, Quick Release
Carbide Tipped, For Wood Screws**



- 2-Wing with slow spiral, HSS M2 DIN 338 fully ground drill
- Used to countersink holes for the heads of screws
- The 2-flute integral design ensures uniform and concentric results each and every time
- Carbide tips provide chip-free hole edges and lasts much longer than steel countersinks

Item #	Wood Screw Size	D	D1	a°	d	L1
AN55260	#4	3/8"	5/64"	49°	1/4"	2-1/8"
AN55262	#6	3/8"	3/32"	49°	1/4"	2-1/8"
AN55264	#8	3/8"	7/64"	49°	1/4"	2-1/8"
AN55266	#10	3/8"	1/8"	49°	1/4"	2-1/8"



**3-Step RTA Furniture Drill/ Countersink
With HSS Slow Spiral Drill**



- Commonly used for RTA (ready-to-assemble) furniture fittings
- High speed steel countersink with polished slow spiral drill bit
- Will perform 3 tasks in one: pilot hole, clearance hole and countersink

Item #	D	D1	D2	B	B1	d	L
AN55102	3.5mm	5.0mm	7.0mm	15.0mm	5.0mm	10mm	52mm

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A DRILL BITS



29 Piece
Drill Bit Set

**High Speed Steel Drill Bits - Jobber Length
High Performance - 3 Sided Flat Shank,
Fractional Sizes**



- Wider web than standard bits allows excellent heat dissipation and less bit breakage
- Constructed of M-7 Industrial speed steel withstands high temperatures, maintains sharpness
- Can be used with either wood or steel
- 135° split point for fast penetration and accurate starting without center punch
- 3-flat shank design (on 3/16" and larger bits) eliminates slippage and provides a positive grip
- WR1627013 includes common sizes from 1/16" through 1/4"
- WR16271100 includes sizes from 1/16" through 3/8", in 1/64" increments
- WR1627029 includes common sizes from 1/16" through 1/2"

Packing: 1/16" - 9/32" are 12 per box; 19/64" and up are 6 per box.

All sold by the each.

Item #	Size	Flute Length	Overall Length	Item#	Size	Flute Length	Overall Length
WR16270116	1/16"	7/8"	1-7/8"	WR162701964	19/64"	2-3/8"	3-7/8"
WR16270564	5/64"	1"	2"	WR16270516	5/16"	2-1/2"	4"
WR16270332	3/32"	1-1/4"	2-1/4"	WR162702164	21/64"	2-9/16"	4-1/16"
WR16270764	7/64"	1-5/16"	2-3/8"	WR162701132	11/32"	2-5/8"	4-1/8"
WR1627018	1/8"	1-7/16"	2-1/2"	WR162702364	23/64"	2-11/16"	4-3/16"
WR16270964	9/64"	1-9/16"	2-5/8"	WR1627038	3/8"	2-11/16"	4-1/4"
WR16270532	5/32"	1-11/16"	2-3/4"	WR162702564	25/64"	2-3/4"	4-5/16"
WR162701164	11/64"	1-13/16"	2-7/8"	WR162701332	13/32"	2-13/16"	4-3/8"
WR16270316	3/16"	1-1/2"	3"	WR162702764*	27/64"	2-7/8"	4-7/16"
WR162701364	13/64"	1-5/8"	3-1/8"	WR16270716*	7/16"	2-15/16"	4-1/2"
WR16270732	7/32"	1-3/4"	3-1/4"	WR162701532*	15/32"	3-1/8"	4-3/4"
WR162701564	15/64"	1-7/8"	3-3/8"	WR162703164*	31/64"	3-1/4"	4-7/8"
WR1627014	1/4"	2"	3-1/2"	WR1627012*	1/2"	3-3/8"	5"
WR162701764	17/64"	2-1/8"	3-5/8"	WR1627013	13 Piece Drill Bit Set		
WR16270932	9/32"	2-1/4"	3-3/4"	WR16271100	21 Piece Drill Bit Set		
				WR1627029	29 Piece Drill Bit Set		

*3-Flat Shank

DRILL BITS



- High speed steel
- Cylindrical shank, right hand cut
- For use in CNC machines, upright drills and battery operated drills

Packing: As shown on right.

All sold by the each.

Metric Drill Bits, Straight Shank, RH Cut



Item #	Size	Flute Length	Overall Length	Box Qty
WR062550	5mm	52mm	86mm	10
WR062570	7mm	75mm	109mm	10
WR062580	8mm	75mm	117mm	10
WR0625100	10mm	87mm	133mm	5



- Made from high speed regular cut steel
- Cuts wood, plastics and metals

Metric Drill Bits, Straight Shank, RH Cut



Size	Flute Length	Overall Length	118° Point Item #	Brad Point Item #
2.5mm	1-3/16"	2-1/4"	-	FI2.5MMBP
5mm	2-1/16"	3-3/8"	FIDB5MM	FI5MMBP
6mm	2-1/16"	3-3/8"	FIDB6MM	FI6MMBP
8mm	2-15/16"	4-19/32"	FIDB8MM	FI8MMBP
10mm	3-7/16"	5-1/4"	FIDB10MM	-



Straight Shank



Hex Shank

- Made from high speed steel
- Maximum RPM: 2500

Taper Point Drill Bits, Straight & Hex Shank



Drill Size	Straight Shank		Hex Shank	
	Item #	OA Length	Item #	OA Length
1/8"	FIDB1/8	2-3/4"	FIDBH1/8	3-1/2"
9/64"	FIDB9/64	2-7/8"	FIDBH9/64	3-5/8"
5/32"	FIDB5/32	3-1/8"	FIDBH5/32	3-7/8"
11/64"	FIDB11/64	3-1/4"	FIDBH11/64	4"
3/16"	FIDB3/16	3-1/2"	FIDBH3/16	4-1/4"
13/64"	FIDB13/64	3-5/8"	FIDBH13/64	4-3/8"



- High speed steel drill bits with 1/4" hex shank drill adapter
- For use with any quick-change chuck, cordless and standard drills and screw guns

Drill Adapters With Taper Point Drills 1/4" Hex Shank, Quick Change Adapter



Item #	Drill Bit Size	Diameter	Overall Length
Drill Adapters With Taper Point Drill Bits			
AN608266	3.2mm	1/8"	3-3/8"
AN608268	3.6mm	9/64"	3-7/16"
Replacement Drill Bits			
AN630266	3.2mm	1/8"	3-3/8"
AN630268	3.6mm	9/64"	3-7/16"



- Designed to drill smooth, clean cuts in wood
- Tip that provides easy positioning and accurate starts
- Extra-wide flutes yield fast chip removal
- Designed for both portable drills and drill presses

Brad Point Drill Bit, RH Cut



Item #	Size	Flute Length	Overall Length
BOB14602	3/16"	2-5/16"	3-1/2"
BOB14603	1/4"	2-1/4"	3-5/16"
BOB14605	3/8"	3-1/4"	5-3/16"

A VIX BITS/DRILL STOPS AND BORING BITS

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**Self-Centering Drill Bit Guides
1/4" Hex Shank**



- Create accurate screw holes when installing new hinges to a door
- Spring-loaded end for locating hinge screw holes, includes HSS twist drill bit
- Bright plated finish

Item #	Screw #	Drill Size	Replacement Bit
AN608520	6	5/64"	AN630520
AN608522	8	7/64"	AN630522
AN608524	10	9/64"	AN630524



Self-Centering Vix Bits High Speed Steel Drill Bit

- Self centering design ensures the hole will be drilled absolutely in the center
- Hex shank bit is spring loaded with a retracting conical shaped guide
- Adjustable drill depth
- Guide body is made of nickel plated steel
- Drill bit is made of high speed steel that will stay sharper ten times longer than high carbon steel bits

Item #	Bit Size	Fits Screw Sizes
Self-Centering Vix Bits, 1/4" Round Shank		
SVB3	5/64"	#2 & #3
SVB5	7/64"	#5 & #6
SVB9	9/64"	#8, #9 & #10
SVB12	11/64"	#12
SVB13	5mm	-
Self-Centering Vix Bits, 1/4" Hex Shank		
SVB3HEX	5/64"	#2 & #3
SVB7/64	7/64"	#5 & #6
SVB9H	9/64"	#8, #9 & #10

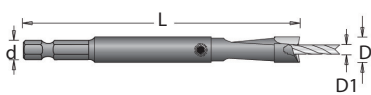
Item #	Replacement For
Replacement Bits	
SVRB3	For VB3 - 5/64"
SVRB5	For VB5, 5H - 7/64"
SVRB9	For VB9, 9H - 9/64"
SVRB12	For VB12 - 11/64"
SVRB13	For VB13



Counterbores, Carbide Tipped



- Features include precision ground carbide-tipped counterbore for splinter-free cutting, non-slip surface treatment for positive clamping, wide web design
- Fits Evans, Ritter, Unique, Marcon, Norfield® and Castle® Face Frame Machines



Item #	Type	Description	D	D1	d	L
AN424000	1	Counterbore/drill for face frame machines	3/8"	.136	3/8"	4"
AN424004	-	#29 replacement HSS fish tail drill	-	.136	-	2-7/8"



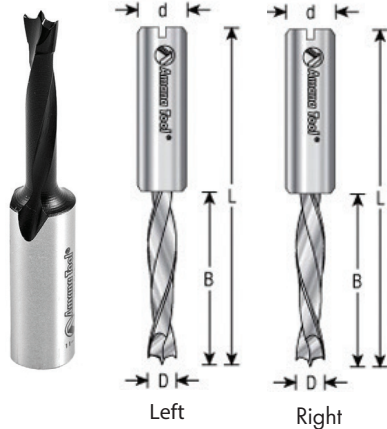
CTB00438

Pocket Hole Machinery Bits



Item #	Description	Materials
CTB00964	9/64" Drill Bit Brad And Spur Point, 1/4" Shank	Ideal for hard woods including the more dense species
CTB00316	3/16" Drill Bit Split Point, 1/4" Shank	Best for soft woods or materials such as melamine
CTB00764	7/64" Drill Bit Split Point, 1/4" Shank	Works on all types of materials
CTB00338	3/8" Solid Carbide 3-Flute Router Bit	Exceptional in routing all materials
CTB00438	3/8" Cobalt Steel 4-Flute Roughing Router Bit	Works well routing most solid woods. For dense hardwoods such as hickory, use Solid Carbide CTB00338

BORING BITS

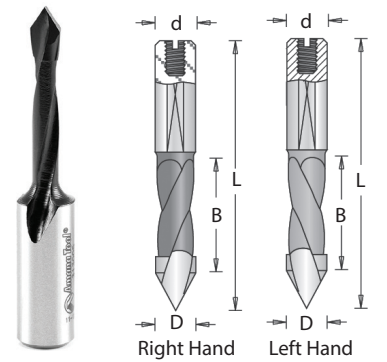


Brad Point Boring, Carbide Tipped



- Do not use with portable drills or routers
- Coated with non-stick coating for longer tool life

Right Rotation Item #	Left Rotation Item #	D	B	d	L
57mm Long, 10mm x 27mm Shank					
AN201005	AN301005	5mm	27mm	10mm	57mm
AN201008	AN301008	8mm	27mm	10mm	57mm
AN201010	AN301010	10mm	27mm	10mm	57mm
AN201015	AN301015	15mm	27mm	10mm	57mm
AN201007	AN301007	1/4"	27mm	10mm	57mm
70mm Long, 10mm x 35mm Shank					
AN204005	AN304005	5mm	40mm	10mm	70mm
AN204008	AN304008	8mm	40mm	10mm	70mm

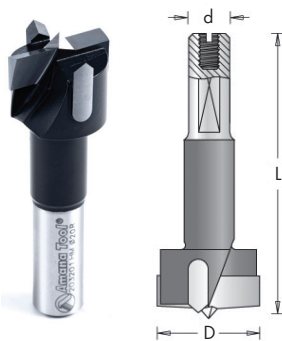


Through-Hole "V" Point Boring



- Do not use in portable drills or routers

Right Rotation Item #	Left Rotation Item #	D	B	d	L
57mm long, 10mm x 27mm Shank					
AN313005	AN413005	5mm	35mm	10mm	57mm
AN313008	AN413008	8mm	35mm	10mm	70mm
70mm long, 10mm x 35mm Shank					
AN314005	AN414005	5mm	47mm	10mm	70mm



Hinge Boring



- For use with boring machines and drill presses only
 - 2 wings with spur
- NOTE: AN203431 designed for high RPM (23,000) on plunge routers, CNC routers, machining centers and point-to-point machines.

Item #	Rotation	D	d	L
AN203201	Right	20mm	10mm	57mm
AN203261	Right	26mm	10mm	57mm
AN203351	Right	35mm	10mm	57mm
AN203401	Right	40mm	10mm	57mm
AN203431	Right	35mm	1/2"	60mm



**3 Piece Brad Point and Hinge Boring Bit Set
Carbide Tipped, 57mm Long x 10mm Shank**

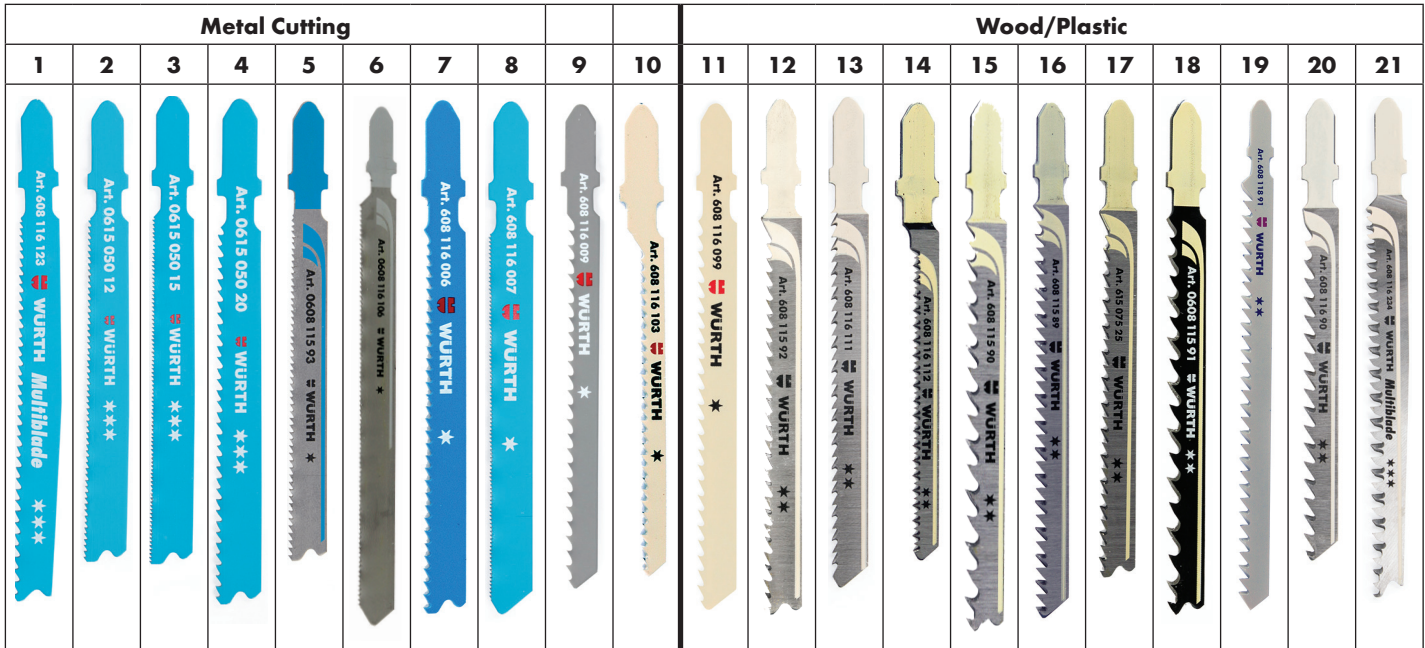


- Complete hinge installation set for boring machines.
- Contains (2) AN301008 Brad Point Boring Bits (8mm LH) and (1) AN203351 Hinge Boring Bit (35mm RH)
- Not to be used in portable drills or handheld routers

Item #
ANHBM102

A JIG SAW BLADES

B Würth Jig Saw Blades



Item #	Pk. Qty.	Overall Length	Teeth per In.	Type of Blade	Material Thickness	
High Speed Steel (HSS) Metal Cutting Blades						
1	WR0608116123	5	4"	20	High Performance - Cuts Sheet Metal, Stainless Steel, Nonferrous Metal, Plastics, And Fiberglass - For Fast Cuts And Long Life In Thick/Thin Metal Pipes & Metal Profiles - T-Shank	Sheet Metal 5/64"-3/8", Stainless Steel 1/16" - 1/8", Nonferrous Metal 5/64" -3/4", Plastics 1/16" - 1-1/4", Fiberglass 3/64" - 3/4"
2	WR061505012	5	3"	24	Bi-Metal, Break Resistant And Durable - Cuts Thin Metals (Ferrous & Non-ferrous) - For Straight Cuts, Long Life - T-Shank	1/16" - 1/8"
3	WR061505015	5	3"	18	Bi-Metal, Break Resistant And Durable - Cuts Med.-Thin Metals (Ferrous & Non-Ferrous) - For Straight Cuts, Long Life - T-Shank	5/64" - 7/32"
4	WR061505020	5	3-5/8"	14	Bi-Metal, Break Resistant And Durable - Longer Blade For Cutting Medium-Thin Metals (Ferrous & Non-ferrous) - For Straight Cuts, Long Life - T-Shank	1/8" - 1/4"
5	WR060811593	5	3-5/8"	17-24	Economical - Cuts thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank	1/16" - 1/8"
6	WR0608116106	5	5-1/4"	24	Economical - Longer blade for cutting thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank	1/16" - 1/8"
7	WR0608116006	5	3"	11-24	Economical - Cuts medium-thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank	1/8" - 1/4"
8	WR0608116007	5	3-5/8"	36	Economical - Cuts sheet and thin metals (Ferrous and Non-ferrous) - For straight-line and fast cuts - T-Shank	Sheet metal 17-26 gauge; very thin metals 1/64"-3/64"
9	WR0608116009	5	4"	8	Offers clean, fast cuts in aluminum, plastics, and fiberglass. Extra-hard HSS teeth and body for straight cuts and long life - T-Shank	Aluminum 3/16" - 5/8", fiberglass 3/16" - 3/4", plastic 3/16" - 1-1/4"

JIG SAW BLADES

Würth Jig Saw Blades



Item #	Pk. Qty.	Overall Length	Teeth per In.	Type of Blade	Material Thickness
High Carbon Steel (HCS) Wood/Plastics Cutting Blades					
10	5	3"	12	Economical - Cuts soft wood, chipboard, particleboard, plywood, fiberboard - Designed for fast, coarse curved cuts, ideal for jig saws without orbital action - T-Shank	5/64" - 1/2"
11	5	3"	8	Economical - Cuts soft wood, chipboard, particleboard, plywood, fiberboard - Designed for fast coarse cuts, ideal for jig saws without orbital action - T-Shank	7/32" - 2-3/8"
12	5	4"	10	Fine Clean Cuts - Cuts hard/soft woods, plastics, plywood, laminated particleboard - Designed for straight fine cuts and plunge cuts - T-Shank	3/16" - 1-1/4"
	100				
13	5	4"	10	Fine Clean Cuts - Cuts hard/soft woods, plywood, laminated particleboard & plastics - Designed for straight fine, down cuts - T-Shank	3/16" - 1-1/4"
14	5	3"	20	Fine Clean Cuts - Cuts hard/soft wood, laminated particleboard, plywood, plastics - Designed for curved cutting, splinter free cuts on both sides of work piece - T-Shank	5/64" - 3/4"
15	5	4"	6	Fine Clean Cuts - Cuts hard/soft woods, plywood, laminated particleboard & plastics - Designed for straight clean cuts and plunge cuts - T-Shank	1/4" - 2-3/8"
	25				
16	5	4-5/8"	8	Fine Clean Cuts - Cuts hard/soft wood, plywood, laminated particleboard & plastics - For medium-fine cuts - T-Shank	Hard/Soft Wood, Plywood 3/16" - 1-1/4", Plastics 3/16" - 1-1/4"
17	5	4"	10	Bi-Metal, Fine Clean Cuts - Cuts hard/soft wood, plastics, plywood, laminated particleboard - Designed for straight fine cuts, long life - T-Shank	3/16"- 1-1/4"
18	5	4"	6	Fast Cuts - Cuts soft/hard wood, chipboard, particleboard, plywood, fiberboard - Designed for fast, straight, & plunge cuts - T-Shank	1/4" - 2-3/8"
	25				
19	5	6"	6	Fast Cuts - Cuts soft/hard wood, chipboard, particleboard, plywood, fiberboard - For very fast, straight cuts - T-Shank	1/4" - 4"
20	5	4"	6	Precise Cuts, Parallel Cuts - Cuts hard/soft woods, plywood, laminated particleboard & plastics - For angled cuts and parallel cuts - T-Shank	1/4" - 2-3/8"
21	5	4-1/2"	8-1/2	High Performance - Cuts hard/soft wood, particleboard & plywood - For fast, clean, splinter free cuts in thick/thin material - T-Shank	

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JIG SAW BLADES

Bosch Jig Saw Blades



Metal Cutting				Wood/Plastic								Bi-Metal
1	2	3	4	5	6	7	8	9	10	11	12	13

Item #	Pack Qty	Overall Length	Teeth per In.	Type of Blade	Material Thickness
High Speed Steel (HSS) Metal Cutting Blades					
1	BOT118AF	5	3-5/8"	17-24	Bi-Metal, Break Resistant & Durable - Cuts thin metals (Ferrous & Non-ferrous) - For straight cuts, long life - T-Shank Up to 16 gauge Thin Metals 1/16" - 1/8"
2	BOT118A BOT118A100	5 100	3-5/8"	17-24	Economical - Cuts thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank Thin Metals 1/16" - 1/8"
3	BOT118B	5	3-5/8"	11-14	Economical - Cuts medium-thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank Medium - Thin Metals 1/8" - 1/4"
4	BOT318A	5	5-1/4"	24	Economical - Longer blade for cutting thin metals (Ferrous & Non-Ferrous) - For straight cuts - T-Shank Thin Metals 1/16" - 1/8"
High Speed Steel (HCS) Wood/Plastics Cutting Blades					
5	BOT119BO	5	3-1/4"	12	Economical- Cuts Soft Wood, Chipboard, Particleboard, Plywood, Fiberboard - Designed For Fast, Coarse Curved Cuts, Ideal For Jig Saws w/out Orbital Action - T-Shank Soft Wood, OSB, Plywood 5/64" - 1/4"
6	BOT101B BOT101B100	5 100	4"	10	Fine Clean Cuts - Cuts Hard/Soft Woods, Plastics, Plywood, Laminated Particleboard - For Straight Fine Cuts And Plunge Cuts - T-Shank 3/16" - 1-1/4"

JIG SAW BLADES

Bosch Jig Saw Blades



Item #	Pack Qty	Overall Length	Teeth/ In.	Type of Blade	Material Thickness	
High Carbon Steel (HCS) Wood/Plastics Cutting Blades						
7	BOT101BR	5	4"	10	Fine Clean Cuts - Cuts Laminated Particleboard, Chipboard, Plywood, Hard/Soft Wood & Plastics - For Straight, Fine Down Cuts, Splinter Free Cuts - T-Shank	3/16" - 1-1/4"
	BOT101BR100	100				
8	BOT101D	5	4"	5-6	Fine Clean Cuts - Cuts Hard/Soft Woods, Plywood, Laminated Particleboard & Plastics - For Straight Clean Cuts & Plunge Cuts - T-Shank	1/4" - 2-3/8"
	BOT101D100	100				
9	BOT144D-100	100	4"	5-6	Fast Cuts - Cuts Soft/Hard Wood, Chipboard, Particleboard, Plywood, Fiberboard - For Fast, Straight Cuts And Plunge Cuts - T-Shank	1/4" - 2-3/8"
10	BOT101DP	5	4"	6	Precise Cuts, Parallel Cuts - Cuts Hard/Soft Woods, Plywood, Laminated Particleboard & Plastics - For Angled Cuts And Parallel Cuts - T-Shank	1/4" - 2-3/8"
11	BOT234X	5	4-1/2"	8-12	High Performance - Cuts Hard/Soft Wood, Particleboard & Plywood - For Fast, Clean, Splinter Free Cuts In Thick Or Thin Material - T-Shank	
Bi-Metal Construction Blades						
12	BOT345XF	5	5-1/4"	5-10	High Performance - All purpose for fast clean cuts through wood with nails and other sandwich materials - T-Shank	Wood w/Nails, Ply 3/16" - 3-5/8" Metal 3/16" - 3/8" Nonferrous Metal, Alum. 5/64" - 1-1/4"
13	BOT101AOF	5	3-1/4"	20	Produce clean cuts in laminate flooring - T-Shank	-

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A WÜRTH HOLESAWS & SAW BLADES



Bi-Metal Hole Saw, Premium Grade



- Bi-metal construction allows a fast and clean cut
- Suitable for materials including: wood, steel, plastic, aluminum, copper, and bronze
- Depth of Cut: 1-1/4" (32mm)

Note: Mandrel, ejector spring, and extension are sold separately.

Individual Hole Saws					
Item #	Cutting Dia.	Item #	Cutting Dia.	Item #	Cutting Dia.
WR63214	14mm (9/16")	WR63244	44mm (1-3/4")	WR63279	79mm (3-1/8")
WR63216	16mm (5/8")	WR63248	48mm (1-7/8")	WR63283	83mm (3-1/4")
WR63219	19mm (3/4")	WR63251	51mm (2")	WR63286	86mm (3-3/8")
WR63221	21mm (13/16")	WR63252	52mm (2-1/16")	WR63289	89mm (3-1/2")
WR63222	22mm (7/8")	WR63254	54mm (2-1/8")	WR63295	95mm (3-3/4")
WR63224	24mm (15/16")	WR63257	57mm (2-1/4")	WR632108	108mm (4-1/4")
WR63225	25mm (1")	WR63260	60mm (2-3/8")	WR632114	114mm (4-1/2")
WR63229	29mm (1-1/8")	WR63264	64mm (2-1/2")	WR632121	121mm (4-3/4")
WR63232	32mm (1-1/4")	WR63267	67mm (2-5/8")	WR632140	140mm (5-1/2")
WR63235	35mm (1-3/8")	WR63270	70mm (2-3/4")		
WR63238	38mm (1-1/2")	WR63273	73mm (2-7/8")		
WR63241	41mm (1-5/8")	WR63276	76mm (3")		

Replacement Bits	
WR632014	Repl. Bit for WR63202 Mandrel
WR6320141	Repl. Bit for WR63204 Mandrel
Accessories	
WR63207	Ejector spring for holesaws
WR63202	Mandrel: Built-in locking mechanism for extra torque strength
WR63204	Mandrel: Screw in arbor

Hole Saw Kit	
WR5964063291	Kit includes: 3/4", 7/8", 1", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-5/8", 3" and Mandrel



Double Faced Melamine & Plastic ATB



- For fine cuts in laminated board on both sides with melamine
- Table saws without scoring unit, vertical panel sizing saws, (Striebig, Holz-Her, etc.), radial arm saws, for cutting/grooving of soft and hard woods, with or against the grain
- Extra hard sub-micrograin carbide tips for long edge life

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Bore
WR0611625480	10"	80	35° ATB	-5°	5/8"



**Ripping & Cross-Cut
4 ATB & 1 Flat**



- For cutting/grooving of soft and hard woods with or against the grain

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Bore
WR0611625450	10"	50	4 ATB, 1 Flat	15°	5/8"



Triple Chip/Flat



- For cutting plastic laminated particle boards, HPL particle boards, Plastic laminated MDF boards

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Bore
WR0611625460	10"	60	TC/Flat	10°	5/8"
WR0611625481	10"	80	TC/Flat	10°	5/8"

AMANA SAW BLADES



Prestige™ 18° Hook Alternate Top Bevel (ATB) Grind



- Prestige™ is rated excellent for ripping solid wood, crosscutting solid wood, ripping plywood and crosscutting plywood
- The precision ground D-10 carbide teeth are individually computer-verified for minimal runout
- Features a massive tool-steel plate (.102" thick) with expansion slots and copper plugs that practically eliminate vibration.
- The 40 teeth are ground with a steep 20° bevel angle, alternating left/right, for crisp, clean cuts both across grain and with the grain
- The 18° hook angle yields an effortless feed
- This general purpose blade cuts smoother and stays sharper longer than other similar blades

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Expansion Slots	Copper Plugs	Bore
ANPR1040	10"	40	ATB	18°	.134"	.102"	Yes	Yes	5/8"



Glue Line Ripping 22° Hook, Triple Chip (TC) Grind



- Rip then glue up - with this blade, there's no need for sanding or jointing after the cut
- The precision triple-chip grind and extra-high hook angle allow aggressive feed rates, yet produces an extra-smooth cut finish
- The thick plate minimizes vibration
- Use on table saws, sliding table saw, single and gang-rip operations

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Expansion Slots	Copper Plugs	Bore
AN610301	10"	30	TCG	22°	.145"	.095"	Yes	Yes	5/8"



Euro Rip with Cooling Slots



- Designed for ripping hardwood and softwood, this exceptional blade cuts fast and smooth
- The flat-top grind and the high positive hook angle reduce feed effort
- The anti-kickback limits the thickness of chip; taken to offer a safer cut
- Cooling slots in the body prevent excessive heat build-up
- Carbide tipped

Item #	D Cutting Dia.	# of Teeth	Hook Grind	Kerf Angle	Plate Width	Thickness	Cooling Expansion Slots	Cooper Plugs	Bore
ANRB1020	10"	20	FT	20°	.126"	.087"	Yes	Yes	5/8"

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AMANA SAW BLADES



Combination Ripping & Crosscut, 15° Hook, Combo Grind 4 ATB & 1 Raker



- Where one blade must do almost everything, ripping and crosscutting hard wood and soft wood, cutting plywood, this blade is a good choice
- It is in the traditional combination-blade configuration, with a flat-top tooth and 4 alternate top bevel teeth in groupings of five
- The large gullets at the raker tooth allow deep cuts with improved chip ejection

Item #	Outside Dia.	# of Teeth	Grind	Kerf Width	Plate Thickness	Hook Angle	Cooling Exp.Slots	Copper Plugs	Bore
AN610504	10"	50	4 ATB, 1 Raker	.135"	.095"	15°	No	No	5/8"
AN612604	12"	60	4 ATB, 1 Raker	.150"	.110"	15°	No	No	1"



Cut-Off & Cross-Cut, 10° Hook, Alternate Top Bevel (ATB) Grind



- Combination of 10 degree hook and the alternate top bevel tooth grind provide good-quality cuts and a long cutting life
- Suitable for hard woods, soft woods, plywood and chipboard
- Good choice for heavy production in any cabinet-making shop

Item #	Outside Diameter	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Exp. Slots	Copper Plugs	Bore
AN610600	10"	60	ATB	10°	.126"	.087"	Yes	Yes	5/8"
AN612600	12"	60	ATB	10°	.126"	.087"	Yes	Yes	1"
AN612720	12"	72	ATB	10°	.126"	.087"	Yes	Yes	1"



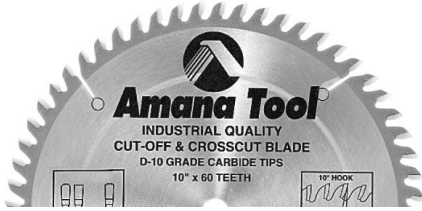
Fine Cut-off & Cross-Cut, 10° Hook, Triple Chip (TC) Grind



- Veneer and laminate design
- Ideal for cutting materials with fragile surface layers, like veneers and laminates
- High tooth counts yield smooth finishes and the 10 degree hook angle provides effortless feeding
- The triple-chip tooth opens a narrow kerf, and the raker widens it

Item #	Outside Dia.	# of Teeth	Grind	Kerf Width	Plate Thickness	Hook Angle	Cooling Exp. Slots	Copper Plugs	Bore
AN610801	10"	80	TCG	.126"	.087"	10°	Yes	Yes	5/8"

AMANA SAW BLADES



General Purpose Cut-Off 10° Hook, Triple Chip (TC) Grind



- Engineered to provide general trim and crosscut of single or double sided plastic laminated materials
- Blade leaves a smooth clean chip free finish on the top and bottom edges
- Blade features a high tooth count, the triple-chip grind and a 10° hook angle for a successful compromise between feed effort and cut finish

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Exp. Slots	Copper Plugs	Bore
AN610601	10"	60	TCG	10°	.126"	.087"	Yes	Yes	5/8"
AN612721	12"	72	TCG	10°	.126"	.087"	Yes	Yes	1"



Trim 10° Hook, Alternate Top Bevel (ATB) Grind



- Suitable for use on table saws, sliding table saws, radial arms, and miter saws of all types
- Leaves a super-smooth finish when cutting hard or softwood
- Especially suited to trimming and sizing veneers and laminates in single sheets or in stacks
- The alternate top grind and high tooth counts produce excellent, chip-free cuts
- The 10° hook angle provides effortless feeding

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Expansion Slots	Copper Plugs	Bore
AN610800	10"	80	ATB	10°	.126"	.087"	Yes	Yes	5/8"
AN612960	12"	96	ATB	10°	.126"	.087"	Yes	Yes	1"



Double-Face Melamine & Laminate 6° Negative Hook, 25° High ATB Grind



- Designed to cut melamine without chipping on the top or bottom edges.
- Special "high alternate triple bevel" grind (with 25 degree bevels) slices cleanly through fragile surface coatings like melamine and laminate.
- Heavy-duty plate for added stability and extremely smooth cuts - easily resharpened.

Item #	Outside Dia.	# of Teeth	Grind	Kerf Width	Plate Thickness	Hook Angle	Cooling Exp. Slots	Copper Plugs	Bore
ANMB86400	8"	64	H-ATB	.110"	.087"	25°	Yes	Yes	5/8"
ANMB10800	10"	80	H-ATB	.126"	.102"	25°	Yes	Yes	5/8"
ANMB12960	12"	96	H-ATB	.126"	.102"	25°	Yes	Yes	1"

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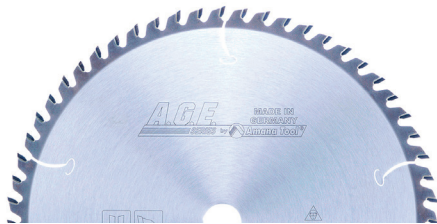


**Solid Surface
0° Hook, Modified Triple Chip (MTC) Grind**



- Designed to cut solid surface materials
- Triple chip grind is configured to leave a swirl-free cut in solid surface materials
- Thick, stable plate reduces vibration that degrades the cut and shortens tool life
- Zero degree hook angle virtually eliminates self-feeding when it is used with a radial arm saw
- -30 blades feature pin-hole configuration of 2/7/42, 2/9/46 and 2/10/60

Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Exp. Slots	Copper Plugs	Bore
AN610721	10"	72	MTC	0°	.126"	.095"	Yes	Yes	5/8"
AN610721-30	10"	72	MTC	0°	.126"	.095"	Yes	Yes	30mm
AN612841	12"	84	MTC	0°	.126"	.095"	Yes	Yes	1"
AN612841-30	12"	84	MTC	0°	.126"	.095"	Yes	Yes	30mm



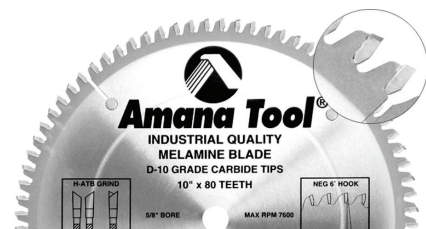
Cut-Off & Cross-Cut



- For hardwood, softwood, plywood and chipboard
- For heavy production
- Use on table and sliding table saws



Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Exp. Slots	Copper Plugs	Bore
ANMD10-600	10"	60	ATB	12°	.126"	.087"	No	No	5/8"
ANMD10-800	10"	80	ATB	10°	.126"	.087"	No	No	5/8"
ANMD12-600	12"	60	ATB	12°	.126"	.087"	No	No	1"
ANMD12-800	12"	80	ATB	10°	.135"	.098"	No	No	1"



**Double Sided Melamine & Laminate
10" & 12" Carbide Tipped Circular Blade**



- Cuts melamine chip-free on both sides
- Increased thickness of plate for added stability, & special high-ATB grind for extremely smooth cuts



Item #	Outside Dia.	# of Teeth	Grind	Hook Angle	Kerf Width	Plate Thickness	Cooling Exp. Slots	Copper Plugs	Bore
ANMD10-803	10"	80	H-ATB	-5°	.126"	.087"	No	No	5/8"
ANMD12-963	12"	96	H-ATB	-5°	.126"	.100"	No	No	1"