



High Performance Catalogue 2022

Carbide / Diamond Tooling
& Accessories

STATEMENT OF QUALITY



Over 40 years of manufacturing focus with an ongoing commitment to introducing new technology.

Carbitool has a long standing reputation for excellence in the manufacture of carbide tools for the woodworking, cabinetry, joinery, furniture, timber and panel industries. Using the latest CNC (computerised numerical controlled) technology, Carbitool is committed to ongoing product development and quality improvement.

With a comprehensive range of woodworking tools including; Router Bits, Saw Blades, Planer Blades, Drills, Countersinks for timber and a range of engineering products such as, Carbide Endmills and Burs.

Carbitool was founded by Neil Hamilton in Victoria, Australia in 1974. Since then with the demand for high quality tools increasing exponentially, Carbitool expanded and acquired four Melbourne and Sydney manufacturing businesses to meet market expectation.

In 2018, Carbitool became a division of Sutton Tools, an Australian family owned company, manufacturing world class cutting tools for over 100 years, forming part of its global business serving industry, trades, hobbyists and retailers worldwide.

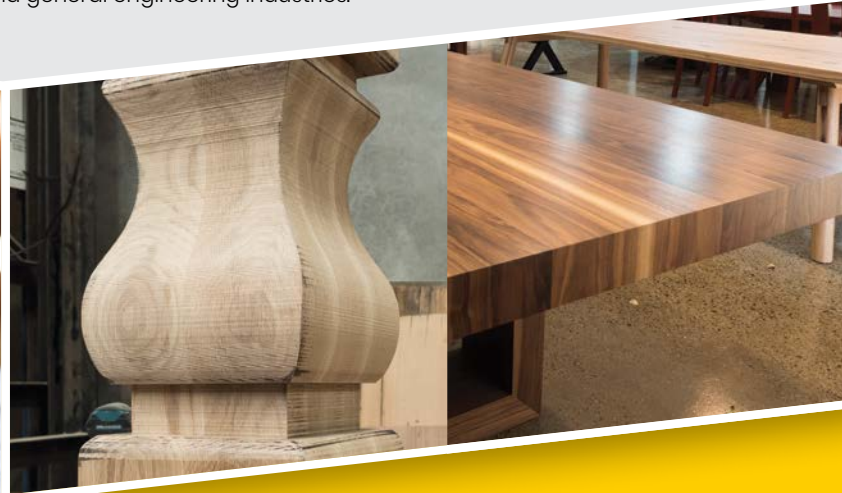


CARBIDE GRINDING

Australian Made ANCA MX7 Linear and MX7 grinding machines with automatic loaders ensure Carbitool router bits are manufactured to exact tolerances with superior cutting edge sharpness.

DIAMOND GRINDING

Diamond grinding machines are used to manufacture PCD and CBN tools that have high cutting edge accuracy, surface finish, as well as accurate repeatability. These high specifications are a requirement for the automotive, aerospace, woodworking and general engineering industries.



1. Always keep collet clean. Replace when worn. 80% of all tool breakage is directly traced to worn "ovalised" collets. Resolve breakage by changing to a new collet.
2. Insert shank a minimum 19mm (3/4") into collet. Holding only the upper edge of the shank by the lower portion of the collet will inevitably lead to Router Bit breakage, spindle nose wear, and collet bell-mouthing.
3. Tighten the collet securely.
4. Store your bits in a plastic pouch. Do not let them lay loose in your tool box.
5. Clean ball bearings with solvent, then submerge them in thin oil lubricant.
6. Have your tools serviced by a professional service shop. A properly sharpened tool is vital to the success, quality and profitability of your operation. Remove the tool for servicing whenever poor job finish or increased feed pressure indicates a dull cutting edge. Also remove the tool for servicing at the slightest sign of a chip or nick in the cutting edge.
7. We recommend the use of 12.7mm (1/2") diameter shanks where possible, for more stability and less chatter.
8. Whenever possible use your Router Table and Fence. Router bits over 1-1/2" diameter should only be used in bench mounted or overhead router machines. This method is recommended for all sizes.
9. The larger the diameter the more passes are needed and slower speeds are recommended. When using bits larger than 2" (50 mm) diameter, care should be taken to ensure that speeds, feed rate and number of passes are appropriate for the diameter of the bits used. Consult the operations manual of your routing machine and/or your routing machine supplier for specific advice. See Router Speed Guide below.
10. Router bits turn clockwise in the free hand position and anticlockwise when inverted in a router table. Always feed your workpiece against the rotation. Work holding jigs should be used in these instances. Failure to do so may harm router bits or cause injury.
11. **WHEN USING A ROUTING MACHINE, PROTECTION AGAINST INJURY SHOULD ALWAYS BE USED.**
 - Ear Muffs, Safety Glasses
 - Dust Mask And/Or Extraction Procedures

ROUTER SPEED GUIDE (RPM)

ROUTER BIT DIAMETER	ROUTER BIT CUTTING LENGTH	WOOD	PLASTICS	ALUMINIUM & NON FERROUS METALS
Up to 26mm	Max 38mm	24,000	18,000	14,000
Up to 26mm	38.1mm +	18,000	14,000	12,000
26.1-50mm	Max 50mm	18,000	14,000	12,000
26.1-50mm	50.1mm +	16,000	12,000	10,000
50.1-63mm	Max 63mm	16,000	12,000	10,000
50.1-63mm	63.1mm +	12,000	10,000	9,000
63.1-77mm	Max 75mm	12,000	10,000	9,000

SPIRAL FLUTE WOOD ROUTERS FEED RATE (m/min) BASED ON 1/2" DIAMETER. TOOL CUTTING 19MM STOCK AT 18,000RPM.

TOOL	HARD WOOD	SOFT WOOD	COMPOSITES (MDF, ETC.)
1 Flute Compression	3-15	3-15	3-12
2 Flute Compression	10-25	10-30	10-15
3 Flute Compression	12-35	12-40	15-30
4 Flute Compression	12-35	12-40	15-40
4 Flute Combined Compression	25-45	25-45	25-50
2 Flute Standard Spiral	5-10	5-11	5-11
3 Flute Standard Spiral	5-12	5-13	5-11
3 Flute Roughing	15-25	15-25	12-25
3 Flute Chipbreaker	12-35	12-40	15-30
4 Flute Rougher/Finisher	20-45	20-45	25-50

Actual feed rates will be subject to the effect of variables such as workpiece and machine rigidity, type of material (hard/soft wood), collet condition, horsepower, top edge wear, etc. Best to start at a moderate feed rate and increase until desired finish is attained.

For smaller diameter tools (-) reduce feed rate.

For larger diameter tools (+) increase feed rate.

RESHARPENING:

Tools can be returned to Carbitool for regrinding service. Contact us at (03) 9555 2966 for more information.



ROUTER BITS

6 STRAIGHT BITS

- 6 2 Flute - Compression Bit
- 6 2 Flute - Compression Bit - For Mortising - Short Up Cut
- 13 2 Flute - Finishing Spiral Bit - Solid Carbide
- 11 2 Flute - For Non Ferrous Metals - Solid Carbide
- 12 3 Flute - Chip Breaker Spiral Bits - Solid Carbide
- 6 3 Flute - Compression Bit
- 7 3 Flute - Compression Bit For Mortising - Short Up Cut
- 14 3 Flute - Finishing Spiral Bit - Solid Carbide
- 11 3 Flute - Roughing Spiral Bit - Solid Carbide
- 8 4 Flute - Combined Rougher/Finisher Compression Bit
- 7 4 Flute - Compression Bit
- 7 4 Flute - Compression Bit For Mortising - Short Up Cut
- 12 4 Flute - Rougher Finisher Bits - Solid Carbide
- 6 Compression Bits
- 10 Single Flute - Edge Round - For Plastic
- 10 Single Flute - For Hard Plastic & Aluminium
- 10 Single Spoon Flute - For Plastic & Aluminium
- 14 Spiral Bit with Ball End
- 9 Spiral Flute - Solid Carbide - For Plastic

15 LAMINATE TRIM BITS & CUTTERS

- 15 Spiral Flute Bit with Bearing - Solid Carbide

16 EDGE AND FACE FORMING BITS

- 16 2 Flute - 60° Vee Groove Bit - Carbide Tipped
- 17 2 Flute - 90° Vee Groove Bit - Carbide Tipped
- 17 2 Flute - 90° Vee Groove Bit - Carbide Tipped
- 17 2 Flute - 120° Vee Groove Bit - Carbide Tipped
- 16 Single Flute - 22.5° Vee Groove Bit - Solid Carbide
- 16 Single Flute - 30° Vee Groove Bit - Solid Carbide
- 16 Single Flute - 45° Vee Groove Bit - Solid Carbide

DIAMOND TIPPED TOOLS (PCD) 18

- 20** Diamond (PCD) Tipped Flush Trimming Bit
- 22** Hinge Boring Drill
- 21** Profile Bit - Rounding Over Bit
- 21** Profile Bit - Vee Groove / Chamfer Bit
- 18** Straight Bit
- 20** Straight Bit - Extreme Performance
- 19** Straight Bit - High Performance
- 19** Straight Flute
- 23** Wood Drills - Through Drill
- 22** Wood Drills - Wood Boring Drill

DRILLING & BORING BITS 24

- 25** Dowel Drill Bit - Carbide Tipped - Left Hand
- 24** Dowel Drill Bit - Carbide Tipped - Right Hand
- 26** Hinge Boring Drill Bit - Carbide Tipped
- 26** Hinge Boring Drill Bit - Carbide Tipped - Right Hand
- 24** Through Boring Drill Bit - Carbide Tipped

COLLETS & TOOL HOLDERS

- 27** Accessories
- 27** ER 32 Collets
- 27** ISO & HSK Chucks

Compression Bits

- Advanced tool geometry to achieve higher feed rates
- Geometry minimises chipping and furring on the top and bottom surfaces
- Ideal for cutting double sided laminates (melamine, vinyl, spray coating, painted boards etc) and natural timbers.
- Compression bits all available with a range of advanced coatings

2 Flute - Compression Bit

Product Group	Discount Group
R821	Z0912

Part No.	A		B		B1		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T2ESRM08	1/4	6.35	7/8	22.2	-	8	2-1/2	63.5	1/4	6.35	9314350017283
T2ESRM8M	-	8	-	25	-	8	-	63	-	8	9314350017306
T2ESRM12 3/8	3/8	9.5	1-1/8	28	-	8	3	76	3/8	9.5	9314350017313
T2ESRM10M	-	10	-	28	-	8	-	75	-	10	9314350017702
T2SRM16 1/2	1/2	12.7	1	25.4	-	10	3	76	1/2	12.7	9314350017337
T2XSRM16 1/2	1/2	12.7	1-3/8	35	-	10	3-5/8	92	1/2	12.7	9314350017351

2 Flute - Compression Bit - For Mortising - Short Up Cut

Product Group	Discount Group
R822	Z0912

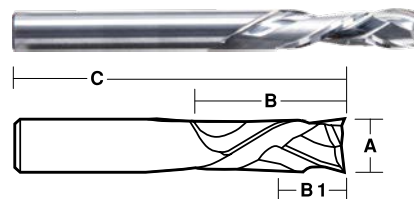
Part No.	A		B		B1		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T2SRM8M (Q)	-	8	-	25	-	5	-	63	-	8	9314350017696
T2SRM12 3/8 (Q)	3/8	9.5	7/8	22.2	-	5	3	76	3/8	9.5	9314350017320
T2SRM10M Q	-	10	-	22.2	-	5	-	75	-	10	9314350017719
T2SRM16 1/2 (Q)	1/2	12.7	1	25.4	-	6.35	3	76	1/2	12.7	9314350017344
T2XSRM16 1/2 (Q)	1/2	12.7	1-5/8	41.3	-	6.35	3-5/8	92	1/2	12.7	9314350017368

3 Flute - Compression Bit

- 3 Flute allows for increased high speed machining with high spindle speeds

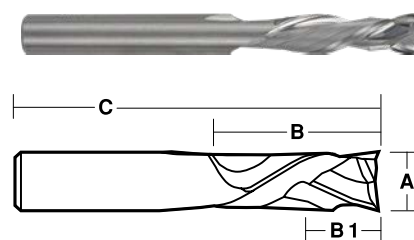
Product Group	Discount Group
R823	Z0912

Part No.	A		B		B1		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T3ESRM12 3/8	3/8	9.5	1-1/8	28.6	-	8	3	76	3/8	9.5	9314350017382
T3ESRM12 12M	3/8	9.5	-	22	-	8	-	80	-	12	9314350046320
T3ESRM10M	-	10	-	28	-	8	-	75	-	10	9314350017726
T3SRM16 1/2	1/2	12.7	1	25.4	-	10	3	76	1/2	12.7	9314350017405
T3XSRM16 1/2	1/2	12.7	1-3/8	35	-	10	3-5/8	92	1/2	12.7	9314350017429



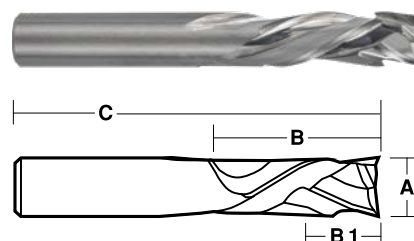
Coated - High Performance

Part No.	Barcode
TT2ESRM08	9314350047143
TT2ESRM8M	9314350047174
TT2ESRM12 3/8	9314350047167
TT2ESRM10M	9314350047150
TT2SRM16 1/2	9314350047211
TT2XSRM16 1/2	9314350047259



Coated - High Performance

Part No.	Barcode
TT2SRM08 Q	9314350047181
TT2SRM8M Q	9314350047235
TT2SRM12 3/8 Q	9314350047204
TT2SRM10M Q	9314350047198
TT2SRM16 1/2 Q	9314350047228
TT2XSRM16 1/2 Q	9314350047242



Coated - High Performance

Part No.	Barcode
TT3ESRM12 3/8	9314350047280
TT3ESRM12 12M	9314350047273
TT3ESRM10M	9314350047266
TT3SRM16 1/2	9314350047334
TT3XSRM16 1/2	9314350047365

3 Flute – Compression Bit For Mortising – Short Up Cut

- 3 Flute allows for increased high speed machining with high spindle speeds

Product Group		Discount Group											
R824		Z0912											
Part No.	A		B		B1		C		Shank		Barcode		
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			
T3SRM12 3/8 (Q)	3/8	9.5	7/8	22.2	-	5	3	76	3/8	9.5	9314350017399		
T3SRM10M Q	-	10	-	22.2	-	5	-	75	-	10	9314350017733		
T3SRM16 1/2 (Q)	1/2	12.7	1	25.4	-	6.35	3	76	1/2	12.7	9314350017412		
T3XESRM16 1/2 Q	1/2	12.7	1-5/8	41	-	6.35	3-5/8	92	1/2	12.7	9314350017436		

4 Flute – Compression Bit

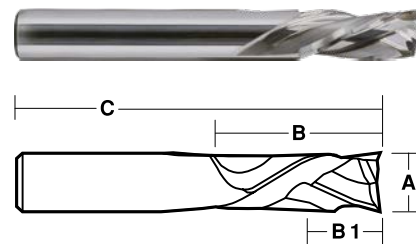
- 4 Flute allows for increased high speed machining with high spindle speeds

Product Group		Discount Group											
R825		Z0912											
Part No.	A		B		B1		C		Shank		Barcode		
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			
T4SRM16 1/2	1/2	12.7	1	25.4	-	10	3	76	1/2	12.7	9314350017443		
T4XSRM16 1/2	1/2	12.7	1-3/8	35	-	10	3-5/8	92	1/2	12.7	9314350017467		

4 Flute – Compression Bit For Mortising – Short Up Cut

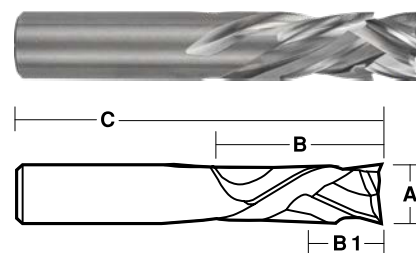
- 4 Flute allows for increased high speed machining with high spindle speeds

Product Group		Discount Group											
R826		Z0912											
Part No.	A		B		B1		C		Shank		Barcode		
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			
T4SRM16 1/2 Q	1/2	12.7	1	25.4	-	6.35	3	76	1/2	12.7	9314350017450		
T4XESRM16 1/2 Q	1/2	12.7	1-5/8	41	-	6.35	3-5/8	92	1/2	12.7	9314350017276		



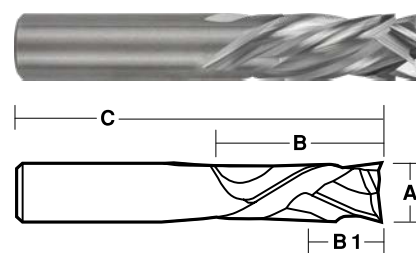
Coated – High Performance

Part No.	Barcode
TT3SRM12 3/8 Q	9314350047327
TT3SRM10M Q	9314350047310
TT3SRM16 1/2 Q	9314350047341
TT3XESRM16 1/2 Q	9314350047358



Coated – High Performance

Part No.	Barcode
TT4SRM16 1/2	9314350047396
TT4XSRM16 1/2	9314350047488



Coated – High Performance

Part No.	Barcode
TT4SRM16 1/2 Q	9314350047402
TT4XESRM16 1/2 Q	9314350047457

4 Flute – Combined Rougher/Finisher Compression Bit

- Geometry minimises chipping and furring on the top and bottom surfaces
- Chip breaker flute breaks swarf into smaller particles
- Achieves high feed rates

Product Group	Discount Group
R827	Z0912

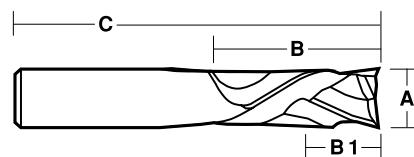
Part No.	A		B		B1		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T4SRMRF16 1/2	1/2	12.7	1	25.4	-	10	3	76	1/2	12.7	9314350017528
T4XSRMRF16 1/2	1/2	12.7	1-3/8	35	-	10	3-5/8	92	1/2	12.7	9314350017535
T4XESRMRF16 1/2	1/2	12.7	1-3/4	44.4	-	10	3-5/8	92	1/2	12.7	9314350017542

4 Flute – Combined Rougher/Finisher Compression Bit – Short Up Cut

- Chip breaker flute to break swarf into smaller particles for easy ejection
- Achieves high feed rates

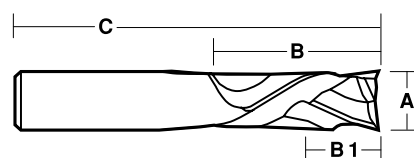
Product Group	Discount Group
R828	Z0912

Part No.	A		B		B1		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T4SRMRF10M Q	-	10	-	22.5	-	5	-	75	-	10	9314350019621



Coated – High Performance

Part No.	Barcode
TT4SRMRF16 1/2	9314350047426
TT4XSRMRF16 1/2	9314350047495
TT4XESRMRF16 1/2	9314350047464

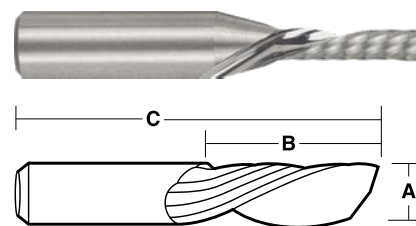


Coated – High Performance

Part No.	Barcode
TT4SRMRF10M Q	9314350047419

Spiral Flute – Solid Carbide – For Plastic

- Single flute
- For plastics including Bakelite, Acetate, Plexi, PVC, Nylon etc
- Highly polished finish



Product Group **Discount Group**
R800 Z0912

Up Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSPL 02 MS	-	2	-	8	-	38.1	-	2	9314350014145
TSPL 03 MS	-	3	-	10	-	38.1	-	3	9314350014152
TSPL 04 S	1/8	3.18	1/2	12.7	1-1/2	38.1	1/4	6.35	9314350014176
TSPL 04 MS	-	4	-	12	-	50.8	-	4	9314350014169
TSPL 06 S	3/16	4.75	5/8	16	2	50.8	1/4	6.35	9314350014183
TSPL 08 S	1/4	6.35	3/4	19	2	50.8	1/4	6.35	9314350014190
TXSPL 08 S	1/4	6.35	1-1/2	38.1	3-5/32	80	1/4	6.35	9314350016880

Product Group **Discount Group**
R801 Z0912

Down Cut

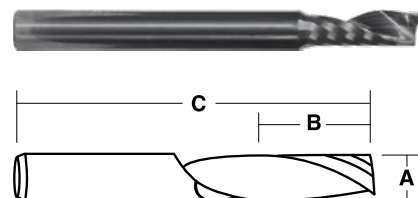
Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSPL 02 MS	-	2	-	8	-	38.1	-	2	9314350014084
TSPL 03 MS	-	3	-	10	-	38.1	-	3	9314350014091
TSPL 04 S	1/8	3.18	1/2	12.7	1-1/2	38.1	1/4	6.35	9314350014114
TSPL 04 MS	-	4	-	12	-	50.8	-	4	9314350014107
TSPL 06 S	3/16	4.75	5/8	16	2	50.8	1/4	6.35	9314350014121
TSPL 08 S	1/4	6.35	3/4	19	2	50.8	1/4	6.35	9314350014138
TXSPL 08 S	1/4	6.35	1-1/2	38.1	3-5/32	80	1/4	6.35	9314350024267

Single Flute – For Hard Plastic & Aluminium

- Solid Carbide
- For hard plastics and aluminium

Product Group	Discount Group
R802	Z0912

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSP08 SH	1/4	6.35	3/4	19	2-1/2	63.5	1/4	-	9314350017573

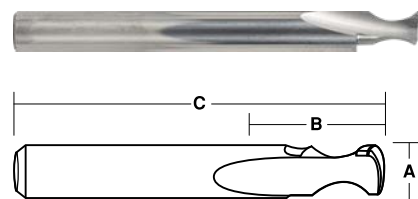


Single Flute – Edge Round – For Plastic

- Solid Carbide
- For rounding the edge on plastic sheets or parts

Product Group	Discount Group
R803	Z0912

Part No.	A		B		C		R Radius		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
TSPER08 S	1/4	6.35	3/8	9.5	2-1/2	63.5	1/4	6.35	1/4	-	9314350017580

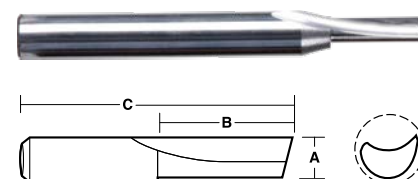


Single Spoon Flute – For Plastic & Aluminium

- Solid Carbide
- For aluminium and some soft plastics
- Cost effective solution for obtaining excellent finish in most plastics

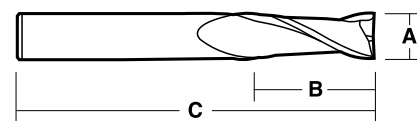
Product Group	Discount Group
R806	Z0912

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSP 04 S	1/8	3.18	5/16	7.94	2-1/4	57.15	1/4	-	9314350016804
TSP 04 MS	-	4	-	12.7	-	57.15	-	6.35	9314350024335
TSP 06 S	3/16	4.75	1/2	12.7	2-1/4	57.15	1/4	-	9314350017597
TSP 06 MS	-	6	-	16	-	57.15	-	6.35	9314350025059
TSP 08 S	1/4	6.35	5/8	16	2-1/4	57.15	1/4	-	9314350017603



2 Flute – For Non Ferrous Metals – Solid Carbide

- For non ferrous metals eg Aluminium and Laminates etc
- Down cut are ideal for trimming laminates and through cutting
- Down cut pushes chips below the workpiece.
- Up cut are ideal for groove slotting and routing



Product Group		Discount Group									Up Cut	
R807		Z0912										
Part No.	A		B		C		Shank		Barcode			
	inch	mm	inch	mm	inch	mm	inch	mm				
TSR 8	1/4	6.35	3/4	19	2-1/2	63.5	1/4	-	9314350000612			
TXSR 8	1/4	6.35	1	25.4	2-1/2	63.5	1/4	-	9314350016781			
TSR 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350000629			
TSR 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350000636			

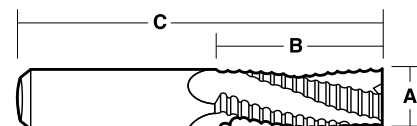
Product Group		Discount Group									Down Cut	
R808		Z0912										
Part No.	A		B		C		Shank		Barcode			
	inch	mm	inch	mm	inch	mm	inch	mm				
TSL 8	1/4	6.35	3/4	19	2-1/2	63.5	1/4	-	9314350000582			
TXSL 8	1/4	6.35	1	25.4	2-1/2	63.5	1/4	-	9314350016798			
TSL 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350000599			
TSL 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350000605			

STRAIGHT BITS

WOOD

3 Flute – Roughing Spiral Bit – Solid Carbide

- For increased feed rates to give fast routing of hard materials
- Chip breaker to break swarf into smaller particles for easier ejection



Product Group		Discount Group									Up Cut	
R809		Z0912										
Part No.	A		B		C		Shank		Barcode			
	inch	mm	inch	mm	inch	mm	inch	mm				
TSRR 8	1/4	6.35	3/4	19.05	2-1/2	63.5	1/4	-	9314350016637			
TSRR 8 M	-	8	-	25	-	63	-	6.35	9314350016644			
TSRR 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350016651			
TSRR 10 M	-	10	-	25	-	75	-	10	9314350016675			
TSRR 12 M	-	12	-	32	-	75	-	12	9314350016682			
TSRR 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350016699			
TSRR 16 M	-	16	-	35	-	92	-	16	9314350016705			
TSRR 20 M	-	20	-	40	-	104	-	20	9314350016712			

Product Group		Discount Group									Down Cut	
R810		Z0912										
Part No.	A		B		C		Shank		Barcode			
	inch	mm	inch	mm	inch	mm	inch	mm				
TSLR 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350018471			
TSLR 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350018488			
TSLR 16 M	-	16	-	35	-	92	-	16	9314350018495			

3 Flute – Chip Breaker Spiral Bits – Solid Carbide

- Staggered chip breaker grind on each flute to produce small chips
- Obtains a clean cut at high feed rates
- Minimises vibration
- For hardwoods and dense materials

Product Group	Discount Group
R811	Z0912

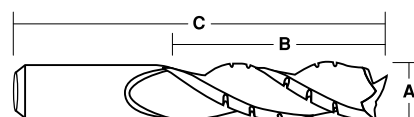
Up Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSRCB 12 3/8	3/8	9.5	1-1/4	31.8	3	76.2	3/8	-	9314350017788
TXSRCB 16 1/2	1/2	12.7	1-3/4	44.4	3-5/8	92	1/2	-	9314350017566
TSRCB 16 M	-	16	-	41	-	92	-	16	9314350017795

Product Group	Discount Group
R812	Z0912

Down Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSLCB 12 3/8	3/8	9.5	1-1/4	31.8	3	76.2	3/8	-	9314350017801
TXSLCB 16 1/2	1/2	12.7	1-3/4	44.4	3-5/8	92	1/2	-	9314350017818
TSLCB 16 M	-	16	-	41	-	92	-	16	9314350017825



Coated – High Performance

Part No.	Barcode
TTSRCB 12 3/8	9314350047556
TTXSRCB 16 1/2	9314350047549
TTSRCB 16 M	9314350047563

Coated – High Performance

Part No.	Barcode
TTSLCB 12 3/8	9314350047518
TTXSLCB 16 1/2	9314350047532
TTSLCB 16 M	9314350047525

4 Flute – Rougher Finisher Bits – Solid Carbide

- Staggered chip breaker grind on alternate flutes produces small chips
- Obtains a clean cut at high feed rates
- Minimises vibration

Product Group	Discount Group
R813	Z0912

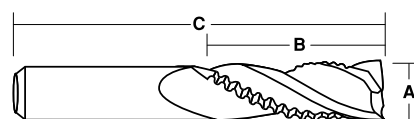
Up Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T4SRRF12 3/8	3/8	9.5	1-1/4	31.75	3	76.2	3/8	-	9314350018396
T4SRRF 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350047754
T4XSRRF 16 1/2	1/2	12.7	1-1/2	38	3-5/8	92	1/2	-	9314350018426

Product Group	Discount Group
R814	Z0912

Down Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T4SLRF12 3/8	3/8	9.5	1-1/4	31.75	3	76.2	3/8	-	9314350018402
T4SLRF 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350018419
T4XSLRF 16 1/2	1/2	12.7	1-1/2	38	3-5/8	92	1/2	-	9314350047761



Coated – High Performance

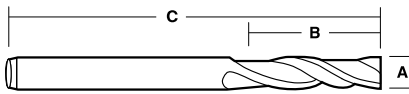
Part No.	Barcode
TT4SRRF12 3/8	9314350047440
TT4SRRF 16 1/2	9314350047433
TT4XSRRF 16 1/2	9314350047501

Coated – High Performance

Part No.	Barcode
TT4SLRF12 3/8	9314350047389
TT4SLRF 16 1/2	9314350047372
TT4XSLRF 16 1/2	9314350047471

2 Flute – Finishing Spiral Bit – Solid Carbide

- For superior edge finish on hardwoods, softwoods, laminates, composites etc
- Up cut brings the swarf up and out of the cut
- Down cut drives the swarf down and out of the cut



Product Group Discount Group
R815 Z0912

Up Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSRW 4	1/8	3.18	1/2	12.7	2-1/4	57.15	1/4	-	9314350010567
TSRW 5	5/32	3.96	5/8	16	2-1/4	57.15	1/4	-	9314350015456
TSRW 6	3/16	4.75	3/4	19	2-1/4	57.15	1/4	-	9314350015463
TSSRW 8	1/4	6.35	5/8	16	2	50.8	1/4	-	9314350047778
TSRW 8	1/4	6.35	3/4	19	2-1/2	63.5	1/4	-	9314350008571
TXSRW 8	1/4	6.35	1	25.4	2-1/2	63.5	1/4	-	9314350015487
TSRW 10 5/16	5/16	7.94	1	25.4	2-1/2	63.5	5/16	-	9314350010550
TSRW 10 1/2	5/16	7.94	1	25.4	3	76.2	1/2	-	9314350010543
TSRW 8 M	-	8	-	25	-	63	-	8	9314350015470
TSRW 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350008588
TSRW 12 1/2	3/8	9.53	1	25.4	3	76.2	1/2	-	9314350012301
TSRW 10 M	-	10	-	25	-	75	-	10	9314350015395
TSRW 12 M	-	12	-	32	-	75	-	12	9314350015401
TSRW 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350008595
TXSRW 16 1/2	1/2	12.7	1-1/2	38.1	4	101.6	1/2	-	9314350015425
TXXSRW 16 1/2	1/2	12.7	2	50.8	4	101.6	1/2	-	9314350015432
TSRW 16 M	-	16	-	35	-	92	-	16	9314350015418
TSRW 20 M	-	20	-	40	-	104	-	20	9314350015449

Product Group Discount Group
R816 Z0912

Down Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TSLW 4	1/8	3.18	1/2	12.7	2-1/4	57.15	1/4	-	9314350015333
TSLW 5	5/32	3.96	5/8	16	2-1/4	57.15	1/4	-	9314350015340
TSLW 6	3/16	4.75	3/4	19	2-1/4	57.15	1/4	-	9314350015357
TSLW 8	1/4	6.35	3/4	19	2-1/2	63.5	1/4	-	9314350015364
TXSLW 8	1/4	6.35	1	25.4	2-1/2	63.5	1/4	-	9314350015388
TSLW 10 5/16	5/16	7.94	1	25.4	2-1/2	63.5	5/16	-	9314350015227
TSLW 10 1/2	5/16	7.94	1	25.4	3	76.2	1/2	-	9314350015234
TSLW 8 M	-	8	-	25	-	63	-	8	9314350015371
TSLW 12 3/8	3/8	9.53	1	25.4	2-1/2	63.5	3/8	-	9314350015258
TSLW 12 1/2	3/8	9.53	1	25.4	3	76.2	1/2	-	9314350015265
TSLW 10 M	-	10	-	25	-	75	-	10	9314350015241
TSLW 12 M	-	12	-	32	-	75	-	12	9314350015272
TSLW 16 1/2	1/2	12.7	1-1/4	31.75	3	76.2	1/2	-	9314350015289
TXSLW 16 1/2	1/2	12.7	1-1/2	38.1	4	101.6	1/2	-	9314350015302
TXXSLW 16 1/2	1/2	12.7	2	50.8	4	101.6	1/2	-	9314350015319
TSLW 16 M	-	16	-	35	-	92	-	16	9314350015296
TSLW 20 M	-	20	-	40	-	104	-	20	9314350015326

TiN Coated – Up Cut

Part No.	Barcode
TTSRW 4	9314350010598
TTSRW 5	9314350015760
TTSRW 6	9314350015777
TTSSRW 8	9314350025042
TTSRW 8	9314350008601
TTXSRW 8	9314350015791
TTSRW 10 5/16	9314350010581
TTSRW 10 1/2	9314350010574
TTSRW 8 M	9314350015784
TTSRW 12 3/8	9314350008618
TTSRW 12 1/2	9314350012295
TTSRW 10 M	9314350015708
TTSRW 12 M	9314350015715
TTSRW 16 1/2	9314350008625
TTXSRW 16 1/2	9314350015739
TTXSRW 16 1/2	9314350015746
TTSRW 16 M	9314350015722
TTSRW 20 M	9314350015753

TiN Coated – Down Cut

Part No.	Barcode
TTSLW 4	9314350015647
TTSLW 5	9314350015654
TTSLW 6	9314350015661
TTSLW 8	9314350015678
TTXSLW 8	9314350015692
TTSLW 10 5/16	9314350015531
TTSLW 10 1/2	9314350015548
TTSLW 8 M	9314350015685
TTSLW 12 3/8	9314350015562
TTSLW 12 1/2	9314350015579
TTSLW 10 M	9314350015555
TTSLW 12 M	9314350015586
TTSLW 16 1/2	9314350015593
TTXSLW 16 1/2	9314350015616
TXXSLW 16 1/2	9314350015623
TTSLW 16 M	9314350015609
TTSLW 20 M	9314350015630

3 Flute – Finishing Spiral Bit – Solid Carbide

- Produces extremely smooth finishes
- Use for natural timber and composites

Product Group	Discount Group
R817	Z0912

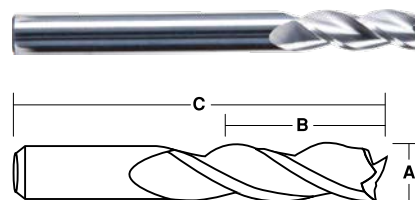
Up Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T3SRW8	1/4	6.35	3/4	19	2-1/2	63	1/4	6.35	9314350017474
T3SRW12 3/8	3/8	9.5	1-1/4	31.75	3	76	3/8	9.5	9314350017481
T3SRW16 1/2	1/2	12.7	1-1/4	31.75	3	76	1/2	12.7	9314350017498

Product Group	Discount Group
R818	Z0912

Down Cut

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T3SLW8	1/4	6.35	3/4	19	2-1/2	63	1/4	6.35	9314350017740
T3SLW12 3/8	3/8	9.5	1-1/4	31.75	3	76	3/8	9.5	9314350017757
T3SLW16 1/2	1/2	12.7	1-1/4	31.75	3	76	1/2	12.7	9314350017764



Coated – High Performance

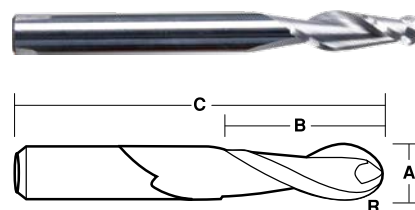
Part No.	Barcode
TT3SLW8	9314350047570
TT3SLW12 3/8	9314350047297
TT3SLW16 1/2	9314350047303

Spiral Bit with Ball End

- Solid Carbide
- Used for round bottom work where extra depth and a superior finish is required

Product Group	Discount Group
R819	Z0912

Part No.	A		B		C		R Radius		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
TSRWB 8	1/4	6.35	3/4	19	2-1/2	63.5	1/8	3.2	1/4	6.35	9314350020023
TSRWB12 3/8	3/8	9.5	1	25.4	3	76.2	3/16	4.8	3/8	9.5	9314350020030
TSRWB16 1/2	1/2	12.7	1-1/4	31.8	3	76.2	1/4	6.35	1/2	12.7	9314350017504



Spiral Flute Bit with Bearing – Solid Carbide

- Ideal for template work where a superior finish is required
- Up Cut spiral provides an upward shear angle
- Can be used for an inverted workpiece when template is bottom mounted
- Excellent for use on different timbers, laminates, and some composites etc
- Helps to minimise chipping, splintering and furry edge finish
- Recommended for guitar timbers and box making timbers

Product Group R542
Discount Group Z0912

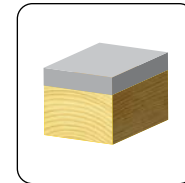
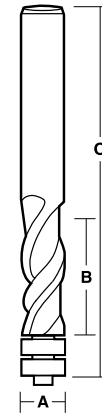
Up Cut

Part No.	A		B		C		Bearing No.	Shank		Barcode
	inch	mm	inch	mm	inch	mm		inch	mm	
TSRW 12 BB 3/8	3/8	9.5	1	25.4	3	76.2	TB9	3/8	9.53	9314350020047
TSRW 16 BB 1/2	1/2	12.7	1	25.4	3-5/8	92.1	TB11	1/2	12.7	9314350020054
TXSRW 16 BB 1/2	1/2	12.7	1-1/2	38.1	4	101.6	TB11	1/2	12.7	9314350020061
TXXSRW 16 BB 1/2	1/2	12.7	2	50.8	4-1/2	114.3	TB11	1/2	12.7	9314350020078

Product Group R940
Discount Group Z0912

Down Cut

Part No.	A		B		C		Bearing No.	Shank		Barcode
	inch	mm	inch	mm	inch	mm		inch	mm	
TSLW 12 BB 3/8	3/8	9.5	1	25.4	3	76.2	TB9	3/8	9.53	9314350020085
TSLW 16 BB 1/2	1/2	12.7	1	25.4	3-5/8	92.1	TB11	1/2	12.7	9314350020092
TXSLW 16 BB 1/2	1/2	12.7	1-1/2	38.1	4	101.6	TB11	1/2	12.7	9314350020108



Single Flute – 22.5° Vee Groove Bit – Solid Carbide

- 22.5° included angle
- Suitable for engraving, grooving and edge forming
- 11.25° from vertical

Product Group	Discount Group
R573	Z0912

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TV 2208	1/4	6.4	37/64	14.7	2-1/4	57.2	1/4	-	9314350015821
TV 2216 1/2	1/2	12.7	1-13/64	30.6	3	76.2	1/2	-	9314350015838

Single Flute – 30° Vee Groove Bit – Solid Carbide

- 30° included angle
- Suitable for engraving, grooving and edge forming
- 15° from vertical

Product Group	Discount Group
R574	Z0912

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TV 3008	1/4	6.4	-	10.9	2-1/4	57.2	1/4	-	9314350015845
TV 3016 1/2	1/2	12.7	-	22.8	3	76.2	1/2	-	9314350015852

Single Flute – 45° Vee Groove Bit – Solid Carbide

- 45° included angle
- Suitable for engraving, grooving and edge forming
- 22.5° from vertical

Product Group	Discount Group
R575	Z0912

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TV 4508	1/4	6.35	-	7	2-1/4	57.15	1/4	-	9314350025547
TV 4516 1/2	1/2	12.7	37/64	14.7	3	76.2	1/2	-	9314350047747

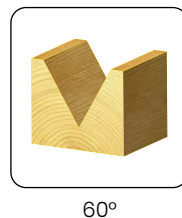
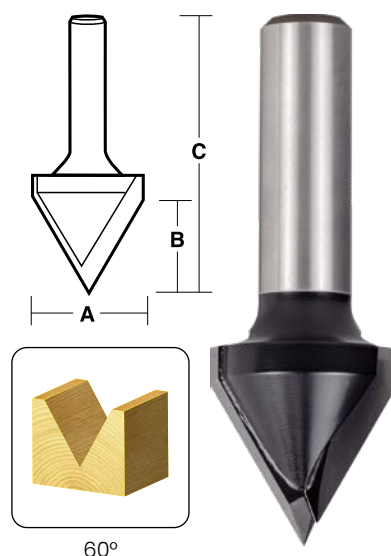
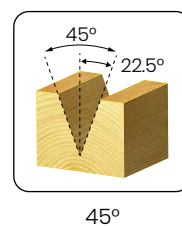
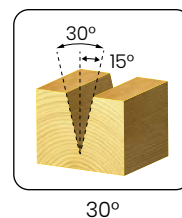
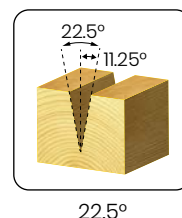
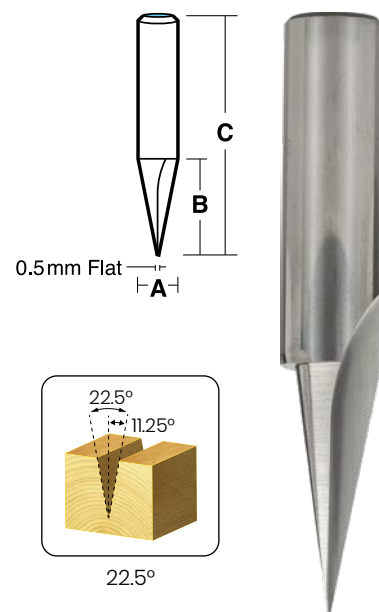
2 Flute – 60° Vee Groove Bit – Carbide Tipped

- 60° included angle
- This bit is specifically designed for sign and lettering work

Product Group	Discount Group
R576	Z0904

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T 6128	1	25.4	-	22.4	2-1/4	57.1	1/4	-	9314350004412
T 6128 1/2	1	25.4	-	22.4	2-3/4	70	1/2	-	9314350004429

Note: These bits are not guaranteed against tip breakage due to thin section of carbide at the point.

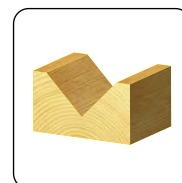
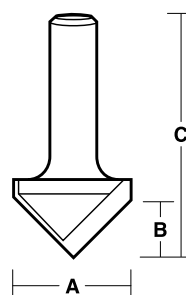


2 Flute - 90° Vee Groove Bit - Carbide Tipped

- 90° included angle
- A versatile bit for decorative vee grooves and chamfering
- Used for sign and lettering work
- Machines mitre joints for box fabrication

Product Group	Discount Group
R578	Z0904

Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
T 112	45/64	18	0.365	9.2	1-3/4	44.4	1/4	-	9314350004368
T 128	1-15/64	31.3	5/8	15.9	2	50.8	1/4	-	9314350004375
T 128 1/2	1-15/64	31.3	5/8	15.9	2-1/2	63.5	1/2	-	9314350004382
T 1230 1/2	1-9/16	39.7	25/32	20	3-3/8	86	1/2	-	9314350004399
T 1236 1/2	1-49/64	45	-	22.5	3-13/64	81.5	1/2	-	9314350025806
T 1240 1/2	2	50.8	1	25.4	3	76	1/2	-	9314350004405

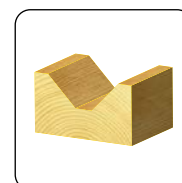
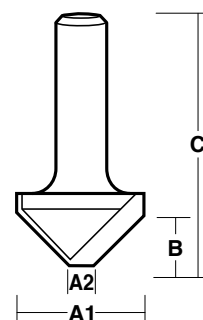


2 Flute - 90° Vee Groove Bit - Carbide Tipped

- 90° included angle
- For routing aluminium composite materials to be bent to 90°
- Routes ACP in hand held or CNC routers

Product Group	Discount Group
R579	Z0904

Part No.	A		A1		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	
T 112 W/F	-	18	-	3	-	7.5	-	45	1/4	-	9314350025301
T 128 W/F	-	31.3	-	3	-	14.7	-	52	1/4	-	9314350023772
T 128 1/2 W/F	-	31.3	-	3	-	14.7	-	64	1/2	-	9314350025141

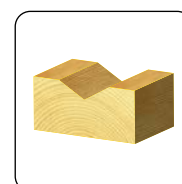
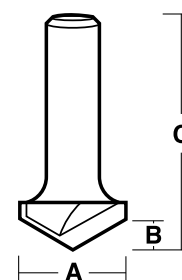


2 Flute - 120° Vee Groove Bit - Carbide Tipped

- 120° included angle

Product Group	Discount Group
R580	Z0904

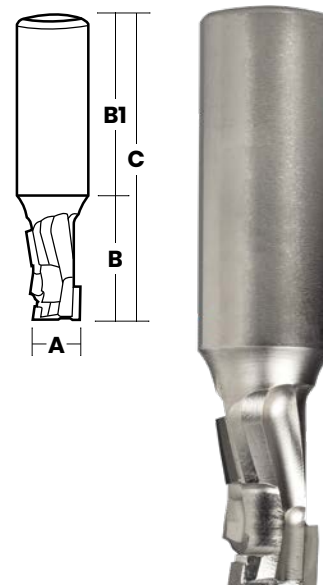
Part No.	A		B		C		Shank		Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	
TV 1232	1	25.4	-	7.5	1-45/64	43.3	1/4	-	9314350015807
TV 1232 1/2	1	25.4	-	7.5	2-13/64	55.9	1/2	-	9314350015814
TV 1264 1/2	2	50.8	-	14.7	2-29/32	73.8	1/2	-	9314350015920



Straight Bit

- For routing panels of raw and coated hardboard, MDF and multi-layer panels
- Polished diamond
- Shear angle tips
- Open flutes provide for faster and easier chip clearance

Product Group		Discount Group						Right Hand
P001		Z0914						
Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode	
DIATR 10M 12	10	25	40	75	3+1	12	9314350018693	
DIATR 12M 12	12	25	40	75	3+1	12	9314350018709	
DIATR XE 12M 12	12	35	40	85	4+1	12	9314350020436	
DIATR 12M 25	12	25	55	75	3+1	25	9314350020443	
DIATR 14M 16	14	25	50	85	3+1	16	9314350020450	
DIATR 16M 16	16	25	50	85	3+1	16	9314350020467	
DIATR XE 16M 16	16	35	50	95	4+1	16	9314350020474	
DIATR XXE 16M 16	16	43	50	103	5+1	16	9314350020481	
DIATR 16M 20	16	25	50	85	3+1	20	9314350018716	
DIATR XE 16M 20	16	35	50	95	4+1	20	9314350020498	
DIATR XXE 16M 20	16	43	50	103	5+1	20	9314350020504	
DIATR 18M 16	18	25	50	85	3+1	16	9314350020511	
DIATR XE 18M 16	18	35	50	96	4+1	16	9314350020528	
DIATR 18M 20	18	25	50	85	3+1	20	9314350018723	
DIATR XE 18M 20	18	35	50	96	4+1	20	9314350018839	
DIATR XXE 18M 20	18	43	50	103	5+1	20	9314350020535	
DIATR 18M 25	18	25	55	90	3+1	25	9314350020542	
DIATR XE 18M 25	18	35	55	100	4+1	25	9314350020559	
DIATR XXE 18M 25	18	43	55	108	5+1	25	9314350020566	
DIATR 20M 20	20	25	50	85	3+1	20	9314350018730	
DIATR XE 20M 20	20	35	50	95	4+1	20	9314350020573	
DIATR XXE 20M 20	20	43	50	103	5+1	20	9314350023765	
DIATR XXXE 20M 20	20	52	50	112	6+1	20	9314350020597	
DIATR 20M 25	20	25	55	90	3+1	25	9314350020603	
DIATR XE 20M 25	20	35	55	100	4+1	25	9314350020610	
DIATR XXE 20M 25	20	43	55	108	5+1	25	9314350020627	
DIATR XXXE 20M 25	20	52	55	117	6+1	25	9314350020634	



Product Group	Discount Group							Left Hand
P002	Z0914							
Part No.	A	B	BI	C	Z	Shank	Barcode	
	mm	mm	mm	mm		mm		
DIATL 10M 12	10	25	40	75	3+1	12	9314350020641	
DIATL 12M 12	12	25	40	75	3+1	12	9314350020658	
DIATL XE 12M 12	12	35	40	85	4+1	12	9314350020665	
DIATL 12M 25	12	25	55	75	3+1	25	9314350020672	
DIATL 14M 16	14	25	50	85	3+1	16	9314350020689	
DIATL 16M 16	16	25	50	85	3+1	16	9314350020696	
DIATL XE 16M 16	16	35	50	95	4+1	16	9314350020702	
DIATL XXE 16M 16	16	43	50	103	5+1	16	9314350020719	
DIATL 16M 20	16	25	50	85	3+1	20	9314350020726	
DIATL XE 16M 20	16	35	50	95	4+1	20	9314350020733	
DIATL XXE 16M 20	16	43	50	103	5+1	20	9314350020740	
DIATL 18M 16	18	25	50	85	3+1	16	9314350020757	
DIATL XE 18M 16	18	35	50	96	4+1	16	9314350020764	
DIATL 18M 20	18	25	50	85	3+1	20	9314350020771	
DIATL XE 18M 20	18	35	50	96	4+1	20	9314350020788	
DIATL XXE 18M 20	18	43	50	103	5+1	20	9314350020795	
DIATL 18M 25	18	25	55	90	3+1	25	9314350020801	
DIATL XE 18M 25	18	35	55	100	4+1	25	9314350020818	
DIATL XXE 18M 25	18	43	55	108	5+1	25	9314350020825	
DIATL 20M 20	20	25	50	85	3+1	20	9314350020832	
DIATL XE 20M 20	20	35	50	95	4+1	20	9314350020849	
DIATL XXE 20M 20	20	43	50	103	5+1	20	9314350047723	
DIATL XXXE 20M 20	20	52	50	112	6+1	20	9314350020863	
DIATL 20M 25	20	25	55	90	3+1	25	9314350020870	
DIATL XE 20M 25	20	35	55	100	4+1	25	9314350020887	
DIATL XXE 20M 25	20	43	55	108	5+1	25	9314350020894	
DIATL XXXE 20M 25	20	52	55	117	6+1	25	9314350020900	

z = number of cutting edges
Prices exclude GST.

Straight Flute

- Ideal for CNC routing and contouring MDF, HDF, Plywood, sandwich panels (with or without veneer, paper or plastic coating)
- Full carbide bodies up to 12mm diameter

Product Group **Discount Group**
P003 Z0914

Right Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATR S 6M 12	6	12	40	70	1	12	9314350020917
DIATR S 8M 12	8	12	40	70	2	12	9314350020924
DIATR S 10M 12	10	12	40	70	2	12	9314350020931
DIATR SX 10M 12	10	22	40	70	2	12	9314350026315
DIATR S 12M 12	12	25	40	70	2	12	9314350020955
DIATR S 16M 16	16	25	50	85	2	16	9314350020962
DIATR SXE 16M 16	16	35	50	95	2	16	9314350020979

Product Group **Discount Group**
P004 Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATL S 6M 12	6	12	40	70	1	12	9314350020986
DIATL S 8M 12	8	12	40	70	2	12	9314350020993
DIATL S 10M 12	10	12	40	70	2	12	9314350021006
DIATL SX 10M 12	10	22	40	70	2	12	9314350046795
DIATL S 12M 12	12	25	40	70	2	12	9314350021020
DIATL S 16M 16	16	25	50	85	2	16	9314350021037
DIATL SXE 16M 16	16	35	50	95	2	16	9314350021044



DIAMOND

Straight Bit – High Performance

- High performance tools for routing panels of raw and coated board, MDF, and multi-layer panels
- Shear angle tips allow for increased feeds and low noise
- Polished diamond provides excellent finish
- Open flutes provide faster and easier chip clearance

Product Group **Discount Group**
P005 Z0914

Right Hand

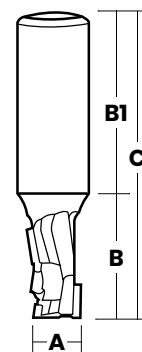
Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATR HP 18M 20	18	28	50	85	6+1	20	9314350021051
DIATR XEHP 18M 20	18	35	50	95	7+1	20	9314350021068
DIATR HP 18M 25	18	28	55	90	6+1	25	9314350021075
DIATR XEHP 18M 25	18	35	55	100	7+1	25	9314350021082
DIATR HP 20M 20	20	28	50	85	6+1	20	9314350021099
DIATR XEHP 20M 20	20	35	50	95	7+1	20	9314350021105
DIATR XXEHP 20M 20	20	48	50	110	9+1	20	9314350021112
DIATR HP 20M 25	20	28	55	90	6+1	25	9314350021129
DIATR XEHP 20M 25	20	35	55	100	7+1	25	9314350021136
DIATR XXEHP 20MM 25	20	48	55	115	9+1	25	9314350021143

Product Group **Discount Group**
P006 Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATL HP 18M 20	18	28	50	85	6+1	20	9314350021150
DIATL XEHP 18M 20	18	35	50	95	7+1	20	9314350021167
DIATL HP 18M 25	18	28	55	90	6+1	25	9314350021174
DIATL XEHP 18M 25	18	35	55	100	7+1	25	9314350021181
DIATL HP 20M 20	20	28	50	85	6+1	20	9314350021198
DIATL XEHP 20M 20	20	35	50	95	7+1	20	9314350021204
DIATL XXEHP 20M 20	20	48	50	110	9+1	20	9314350021211
DIATL HP 20M 25	20	28	55	90	6+1	25	9314350021228
DIATL XEHP 20M 25	20	35	55	100	7+1	25	9314350021235
DIATL XXEHP 20MM 25	18	28	50	85	6+1	25	9314350021242

z = number of cutting edges
Prices exclude GST.



Straight Bit – Extreme Performance

- Helical pattern router bit for raw and coated panels, MDF, multi layer panels, etc.
- Thick tips provide for multiple resharpens
- Two way rotation
- Low noise
- Fast chip discharge
- For use in CNC machines
- High feed rates

Product Group **Discount Group**
P007 Z0914

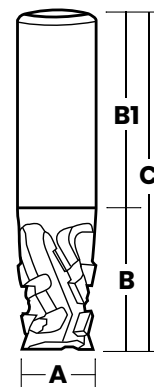
Right Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATR XP 20M 20	20	23	50	83	5+1	20	9314350021259
DIATR XP 20M 25	20	28	55	93	7+1	25	9314350021266
DIATR XE XP 20M 25	20	35	55	100	8+1	25	9314350021273
DIATR XP 25M 20	25	23	50	83	5+1	20	9314350021280
DIATR XP 25M 25	25	23	55	88	5+1	25	9314350021297
DIATR XE XP 25M 25	25	35	55	100	8+1	25	9314350021303
DIATR XXE XP 25M 25	25	45	55	110	10+1	25	9314350021310
DIATR XXXE XP 25M 25	25	55	55	120	13+1	25	9314350021327

Product Group **Discount Group**
P008 Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIATL XP 20M 20	20	23	50	83	5+1	20	9314350021334
DIATL XP 20M 25	20	28	55	93	7+1	25	9314350021341
DIATL XE XP 20M 25	20	35	55	100	8+1	25	9314350021358
DIATL XP 25M 20	25	23	50	83	5+1	20	9314350021365
DIATL XP 25M 25	25	23	55	88	5+1	25	9314350021372
DIATL XE XP 25M 25	25	35	55	100	8+1	25	9314350021389
DIATL XXE XP 25M 25	25	45	55	110	10+1	25	9314350021396
DIATL XXXE XP 25M 25	25	55	55	120	13+1	25	9314350021402

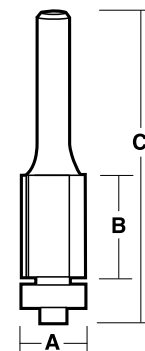


Diamond (PCD) Tipped Flush Trimming Bit

- Made with Polycrystalline Diamond Tips
- PCD tips keep a sharp cutting edge much longer than tungsten carbide tips
- Excellent for extremely hard laminates

Product Group **Discount Group**
R535 Z0914

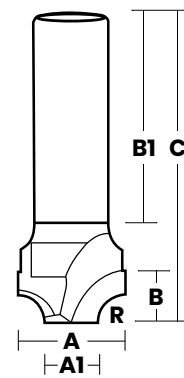
Part No.	A		B		C		Bearing No.	Shank inch	Barcode
	inch	mm	inch	mm	inch	mm			
DIATR S 8012 B	3/8	9.5	1/2	12.7	2-3/32	53.2	TB9	1/4	9314350025592
DIATR S 8016 B	1/2	12.7	5/8	15.9	2-7/32	56.4	TB11	1/4	9314350025608
DIATR S 8016 B1/2	1/2	12.7	5/8	15.9	2-13/16	71.4	TB11	1/2	9314350025615



Profile Bit – Rounding Over Bit

- As well as the standard range of bits below, custom bits can also be manufactured.

Product Group	Discount Group							
P011	Z0914							
Part No.	A	A1	R	B	B1	C	Shank	Barcode
mm	mm	mm	mm	mm	mm	mm	mm	
DIAT RO 6MR 16	24	12	6	11	45	50	16	9314350021419
DIAT RO 10MR 16	32	12	10	15	45	70	16	9314350021426
DIAT RO 12MR 16	36	12	12	17	45	72	16	9314350021433

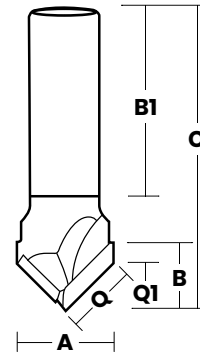


DIAMOND

Profile Bit – Vee Groove / Chamfer Bit

- As well as the standard range of bits below, custom bits can also be manufactured.

Product Group	Discount Group							
P012	Z0914							
Part No.	A	Angle	Q	Q1	B	B1	C	Shank
mm	mm		mm	mm	mm	mm	mm	mm
DIAT VGC 45D 16	22.63	45°	16	11.31	16.31	45	71.3	16
								9314350021440



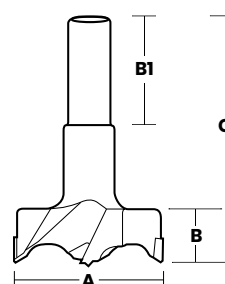
Hinge Boring Drill

- 10mm shank with flat
- For use on point-to-point boring and line machines on raw, melamine and MDF panels

Product Group P013
Discount Group Z0914

Right Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WD 15 R 57	15	32	25	57	4	10	9314350021457
DIAT WD 30 R 57	30	32	25	57	4	10	9314350021464
DIAT WD 30 R 70	30	45	25	70	4	10	9314350021471
DIAT WD 35 R 57	35	32	25	57	4	10	9314350021488
DIAT WD 35 R 70	35	45	25	70	4	10	9314350021495
DIAT WD 40 R 57	40	32	25	57	4	10	9314350021501
DIAT WD 40 R 70	40	45	25	70	4	10	9314350021518



Product Group P014
Discount Group Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WD 15 L 57	15	32	25	57	4	10	9314350021525
DIAT WD 30 L 57	30	32	25	57	4	10	9314350021532
DIAT WD 30 L 70	30	45	25	70	4	10	9314350021549
DIAT WD 35 L 57	35	32	25	57	4	10	9314350021556
DIAT WD 35 L 70	35	45	25	70	4	10	9314350021563
DIAT WD 40 L 57	40	32	25	57	4	10	9314350021570
DIAT WD 40 L 70	40	45	25	70	4	10	9314350021587

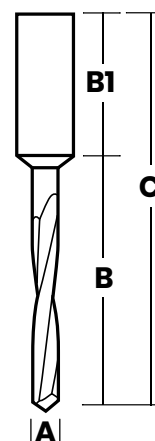
Wood Drills – Wood Boring Drill

- Flat bottom (10mm shank with flat)
- For use on point-to-point boring and multi-spindle machines on raw, melamine and MDF panels.

Product Group P015
Discount Group Z0914

Right Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WD 5 R 57	5	32	25	57	1	10	9314350022836
DIAT WD 5 R 70	5	45	25	70	1	10	9314350022843
DIAT WD 6 R 57	6	32	25	57	1	10	9314350022850
DIAT WD 6 R 70	6	45	25	70	1	10	9314350022867
DIAT WD 8 R 57	8	32	25	57	1	10	9314350022874
DIAT WD 8 R 70	8	45	25	70	1	10	9314350022881
DIAT WD 10 R 57	10	32	25	57	1	10	9314350022898
DIAT WD 10 R 70	10	45	25	70	1	10	9314350022904



Product Group P016
Discount Group Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WD 5 L 57	5	32	25	57	1	10	9314350022911
DIAT WD 5 L 70	5	45	25	70	1	10	9314350022928
DIAT WD 6 L 57	6	32	25	57	1	10	9314350022935
DIAT WD 6 L 70	6	45	25	70	1	10	9314350022942
DIAT WD 8 L 57	8	32	25	57	1	10	9314350022959
DIAT WD 8 L 70	8	45	25	70	1	10	9314350022966
DIAT WD 10 L 57	10	32	25	57	1	10	9314350022973
DIAT WD 10 L 70	10	45	25	70	1	10	9314350022980

Wood Drills – Through Drill

- 10mm shank with flat
- Makes through holes in raw, melamine and MDF panels
- For multi-spindle machines

Product Group **Discount Group**
P017 Z0914

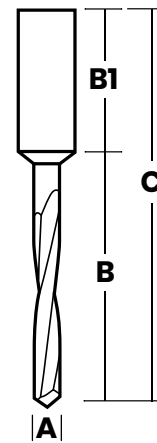
Right Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WDT 5 R 57	5	32	25	57	1	10	9314350021594
DIAT WDT 5 R 70	5	45	25	70	1	10	9314350021600
DIAT WDT 6 R 57	6	32	25	57	1	10	9314350021617
DIAT WDT 6 R 70	6	45	25	70	1	10	9314350021624
DIAT WDT 8 R 57	8	32	25	57	1	10	9314350021631
DIAT WDT 8 R 70	8	45	25	70	1	10	9314350021648
DIAT WDT 10 R 57	10	32	25	57	1	10	9314350021655
DIAT WDT 10 R 70	10	45	25	70	1	10	9314350021662

Product Group **Discount Group**
R018 Z0914

Left Hand

Part No.	A mm	B mm	B1 mm	C mm	Z	Shank mm	Barcode
DIAT WDT 5 L 57	5	32	25	57	1	10	9314350021679
DIAT WDT 5 L 70	5	45	25	70	1	10	9314350047730
DIAT WDT 6 L 57	6	32	25	57	1	10	9314350021693
DIAT WDT 6 L 70	6	45	25	70	1	10	9314350021709
DIAT WDT 8 L 57	8	32	25	57	1	10	9314350021716
DIAT WDT 8 L 70	8	45	25	70	1	10	9314350021723
DIAT WDT 10 L 57	10	32	25	57	1	10	9314350021730
DIAT WDT 10 L 70	10	45	25	70	1	10	9314350021747



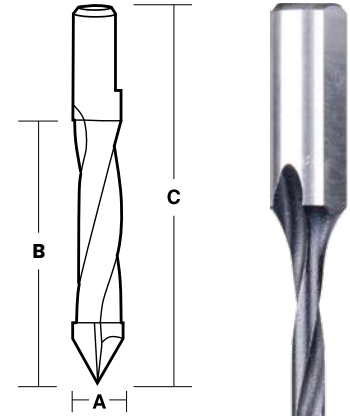
DIAMOND

Through Boring Drill Bit – Carbide Tipped

- For multi spindle machines
- Suitable for Bench Press and secured Hand Drill.
- Not suitable for portable router machines
- 10mm diameter shank x 26mm long with adjusting screw

Product Group	Discount Group				
D801	A1132				
Part No.	A mm	B mm	C mm	Shank mm	Barcode
WDT5R70	5	35	70	10	9314350009813
WDT8R70	8	35	70	10	9314350009837

Right Hand



Left Hand

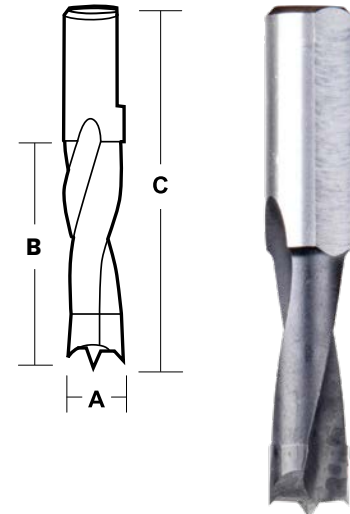
Part No.	A mm	B mm	C mm	Shank mm	Barcode
WDT5L70	5	35	70	10	9314350009820
WDT8L70	8	35	70	10	9314350009844

Dowel Drill Bit – Carbide Tipped – Right Hand

- For multi spindle machines
- Suitable for Bench Press and secured Hand Drill.
- Not suitable for portable router machines
- 10mm diameter shank x 27mm long (56mm) or 35mm long (70mm) with adjusting screw in end

Product Group	Discount Group				
D803	A1132				
Part No.	A mm	B mm	C mm	Shank mm	Barcode
WD3R56	3	18	56	10	9314350021754
WD3R70	3	18	70	10	9314350021761
WD4R56	4	20	56	10	9314350019591
WD4R70	4	27	70	10	9314350021778
WD5R56	5	27	56	10	9314350009653
WD5R70	5	35	70	10	9314350009677
WD6R56	6	27	56	10	9314350009691
WD6R70	6	35	70	10	9314350009714
WD6.5R56	6.5	27	56	10	9314350021785
WD6.5R70	6.5	35	70	10	9314350021792
WD8R56	8	27	56	10	9314350009738
WD8R70	8	35	70	10	9314350009745
WD9R56	9	27	56	10	9314350009769
WD9R70	9	35	70	10	9314350009783
WD9.5R56	9.5	27	56	10	9314350009486
WD9.5R70	9.5	35	70	10	9314350009509
WD10R56	10	27	56	10	9314350009523
WD10R70	10	35	70	10	9314350009547
WD11R56	11	27	56	10	9314350009561
WD11R70	11	35	70	10	9314350009608
WD12R56	12	27	56	10	9314350009622
WD12R70	12	35	70	10	9314350009646
WD15R56	15	27	56	10	9314350021808
WD15R70	15	35	70	10	9314350018815

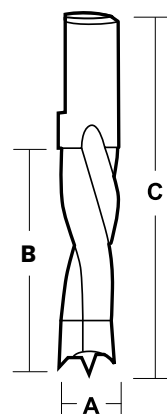
Right Hand



Dowel Drill Bit – Carbide Tipped – Left Hand

- For multi spindle machines
- Suitable for Bench Press and secured Hand Drill.
- Not suitable for portable router machines
- 10mm diameter shank x 27mm long (56mm) or 35mm long (70mm) with adjusting screw in end

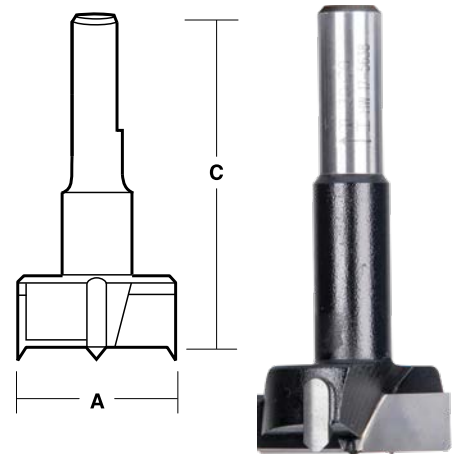
Product Group	Discount Group					Left Hand
D804	A1132					
Part No.	A mm	B mm	C mm	Shank mm	Barcode	
WD3L56	3	18	56	10	9314350021815	
WD3L70	3	18	70	10	9314350021822	
WD4L56	4	20	56	10	9314350019584	
WD4L70	4	27	70	10	9314350021839	
WD5L56	5	27	56	10	9314350009660	
WD5L70	5	35	70	10	9314350009684	
WD6L56	6	27	56	10	9314350009707	
WD6L70	6	35	70	10	9314350009721	
WD6.5L56	6.5	27	56	10	9314350021846	
WD6.5L70	6.5	35	70	10	9314350021853	
WD8L56	8	27	56	10	9314350009851	
WD8L70	8	35	70	10	9314350009752	
WD9L56	9	27	56	10	9314350009776	
WD9L70	9	35	70	10	9314350009790	
WD9.5L56	9.5	27	56	10	9314350009806	
WD9.5L70	9.5	35	70	10	9314350009493	
WD10L56	10	27	56	10	9314350009516	
WD10L70	10	35	70	10	9314350009530	
WD11L56	11	27	56	10	9314350009554	
WD11L70	11	35	70	10	9314350009592	
WD12L56	12	27	56	10	9314350009615	
WD12L70	12	35	70	10	9314350009639	
WD15L56	15	27	56	10	9314350021860	
WD15L70	15	35	70	10	9314350018808	



Hinge Boring Drill Bit – Carbide Tipped

- For multi spindle machines
- Suitable for Bench Press and secured Hand Drill.
- Not suitable for portable router machines

Product Group	Discount Group				Right Hand
D806	A1132				
Part No.	A mm	C mm	Shank mm	Barcode	
WD20R56	20	56	10	9314350025400	
WD25R56	25	56	10	9314350010307	
WD30R56	30	56	10	9314350010345	
WD35R56	35	56	10	9314350010383	
WD25R70	25	70	10	9314350010321	
WD30R70	30	70	10	9314350010369	
WD35R70	35	70	10	9314350010406	

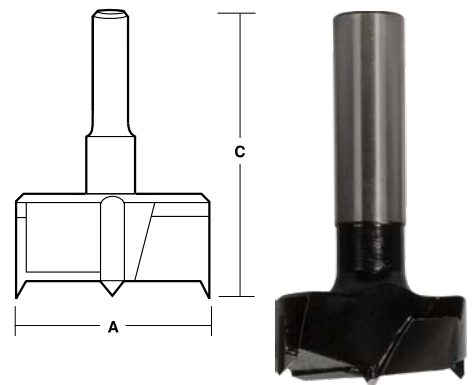


Product Group	Discount Group				Left Hand
D807	A1132				
Part No.	A mm	C mm	Shank mm	Barcode	
WD25L56	25	56	10	9314350010314	
WD30L56	30	56	10	9314350010352	
WD35L56	35	56	10	9314350010390	
WD25L70	25	70	10	9314350010338	
WD30L70	30	70	10	9314350010376	
WD35L70	35	70	10	9314350010413	

Hinge Boring Drill Bit – Carbide Tipped – Right Hand

- For bench press and secured hand drill
- Ideal for drilling blind holes in solid wood, wood composites, plastic and laminated materials
- High quality two flute drill with two scribing teeth produces cleanly cut hole
- Not suitable for portable router machines

Product Group	Discount Group				
D808	A1132				
Part No.	A mm	C mm	Shank inch	Barcode	
TH 20 1/2	20	63.5	1/2	9314350002296	
TH 25 3/8	25	57.2	3/8	9314350002302	
TH 25 1/2	25	63.5	1/2	9314350002319	
TH 30 1/2	30	63.5	1/2	9314350002326	
TH 32 1/2	32	63.5	1/2	9314350002333	
TH 35 3/8	35	67	3/8	9314350002340	
TH 35 1/2	35	67	1/2	9314350007734	
TH 40 1/2	40	67	1/2	9314350017153	
TH 50 1/2	50	67	1/2	9314350017160	

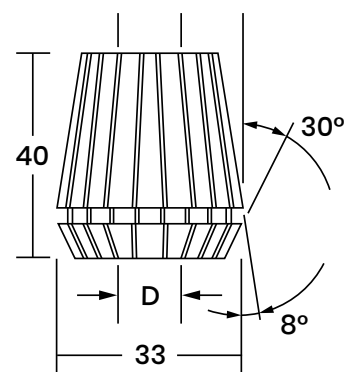


ER 32 Collets

- High precision collets
- Premium quality DIN standard
- 1mm closure
- Listed by expanding size ie; TCER 32 10 has a close of 10mm down to 9mm

Product Group	Discount Group
R744	Z1110

Part No.	D (Range)		Barcode
	mm	inch	
TCER320200	2		9314350046856
TCER320300	3		9314350046863
TCER320400	4		9314350046870
TCER320500	5		9314350046887
TCER320600	6		9314350046894
TCER320635	6.35	1/4	9314350046900
TCER320700	7		9314350046917
TCER320800	8		9314350046924
TCER320900	9		9314350046931
TCER320952	9.52	3/8	9314350046948
TCER321000	10		9314350046955
TCER321100	11		9314350046962
TCER321270	12.7	1/2	9314350046986
TCER321300	13		9314350046993
TCER321400	14		9314350047006
TCER321500	15		9314350047013
TCER321600	16	5/8	9314350047020
TCER321700	17		9314350047037
TCER321800	18		9314350047044
TCER321900	19		9314350047051
TCER322000	20		9314350047068



ISO & HSK Chucks

Product Group	Discount Group
R744	Z1110

Part No.	Barcode
TCER32ISO30	9314350047082
TCER40ISO30	9314350047105
TCER32HSK	9314350047075
TCER40HSK	9314350047099



TCER32ISO30



TCER40HSK

Accessories

Product Group	Discount Group
R744	Z1110

Part No.	Description	Barcode
TCER32SPNR	C-Spanner for ER32 Collets	9314350047112
TCER32NUT	Clamping nut with bearing for ER Collets, RH rotation	9314350047129
TCER32DUST	Kinetic dust extractor for chuck clamps ER32	9314350047136



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