



 **Tungsten
& Tool Ltd**

Spot-on solutions
for the sharpest results

NZ



0800 488 647 [freephone]



tungstenandtool.co.nz

AUS



1800 488 647 [freephone]



tungstenandtool.com



Cutting-edge service. Spot-on solutions. Sharper results.

Tungsten & Tool supplies high-performance cutting tools and personalised support so you achieve superior results with maximum efficiency.

Backed by 30 years' industry experience, we work closely with clients across New Zealand and Australia – from joiners, kitchen manufacturers and sawmills to plastic, aluminium, composites and concrete cutters.

Our state-of-the-art products are truly superior with a comprehensive range of renowned global brands as well as our own specially developed premium brand – KONIG.

We offer precision cutting tools for almost any material and application and enjoy close associations with specialist

international cutting labs. It's all part of our commitment to delivering premium, cost-effective options from home and across the world.

But our reputation extends well beyond product quality and reliability. We're here to ensure you get the right products as well as the best products.

Our real hallmark is providing you with expert, individual advice based on true technical insight – so you get solutions that perfectly match your job, purpose and ongoing demands.



Our precise processes

Like our products, we're all about precision. Every day, our team strives to boost your confidence, productivity and results through our exacting service, sharp insight and tailored support.

Support + value



- **More than suppliers:** we are an active industry leader with a passion for ensuring your project is smooth and successful.
- Quickly grasp your needs and provide **smart advice** so you get exactly the right tools for your job – saving time, money and worry.
- **Valuable post-sale hints and tips**, covering product use, maintenance and safety.

Confidence + productivity



- Premium new cutters and wear products sourced from **global leaders** as well as those developed in-house.
- **Built to last and perform**, delivering amazing finishes time after time.
- **Many of our products come with specialty features** to bring a range of everyday working benefits and real efficiencies.
- Backed by our **client satisfaction guarantee***.

Ease + convenience



- **Comprehensive range**, whether you need a single saw blade or a full CNC router fit-out.
- **Choice of channels to suit you:** with a specialist team on hand plus a user-friendly website and online store for clear product information, advice, easy selection and purchase.
- **Reliable and professional:** ready product availability, real responsiveness and efficient delivery every time.

Delivered AM Sharp!



Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.

Experience + insight



- **Respected family business** with almost three decades' industry experience.
- **Proudly homegrown** with strong international presence and know-how, including weekly liaison with specialist cutting laboratories in Western Europe and the USA.
- Constantly **across the latest products and innovations** from around the world.

What's Perks+?



Perks Rewards do exactly what the name suggests - they give you that little 'extra' that you wouldn't normally expect in the course of business – ***they reward you for your loyalty!***

By shopping with Tungsten & Tool for your cutting tool needs, you'll earn rewards points to redeem on a huge range of quality goods.

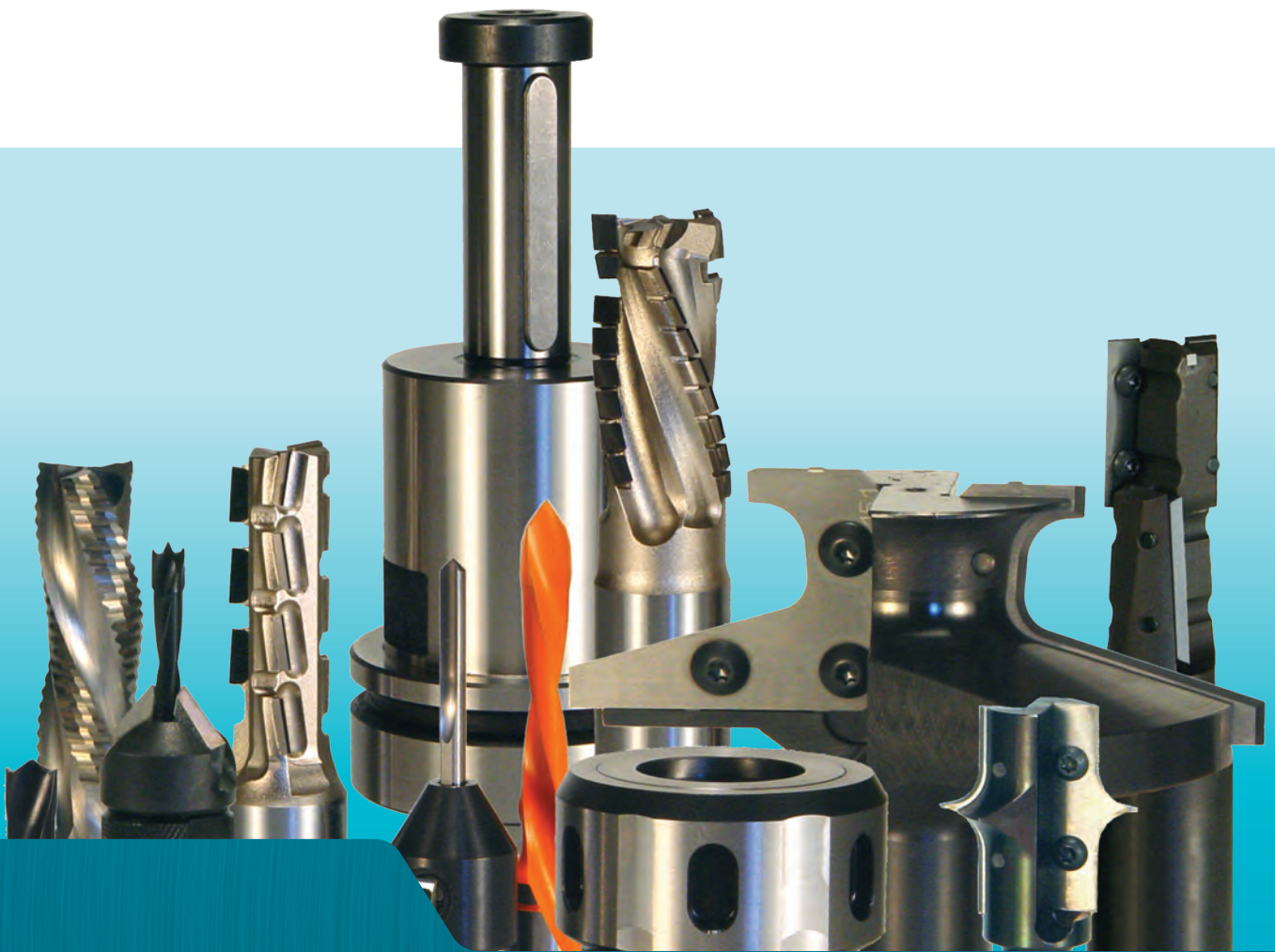
Use them to:

- **Help your business.** Redeem your points on products that will help grow your business.
- **Incentivise your staff.** Say 'thanks for a great effort' and inspire to greater efforts with a coffee machine for the lunch room, a personalized hamper for a special staff member or a reward for a team that achieved their sales/delivery target.

- **Treat yourself.** You put a lot of time and effort into your business. Why not use your points for a tax free reward for you and/or your partner.
- **Give something back to the community.** Raise funds for your chosen organization eg Sports Club, School or other charity by donating a reward that they could use or raffle.

Visit www.tungstenandtool.co.nz/perks-rewards-catalogue/ to view our continuously updated range of premium quality goods available for your selection.





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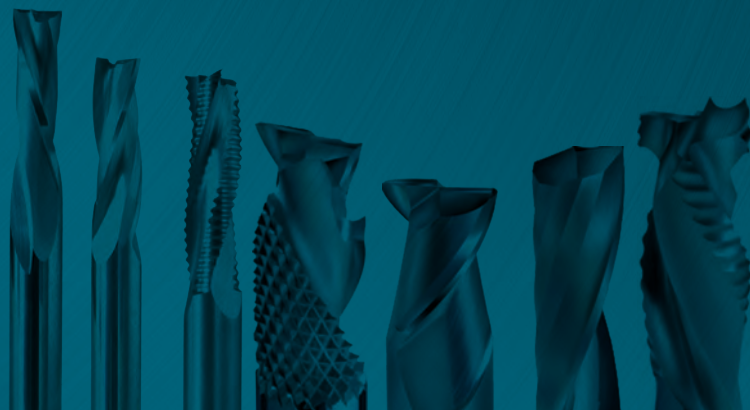
Hand Held Router Bits

Tungsten Tipped Router Bits..... 7

Replaceable Knife Router Bits..... 20

Delivered AM Sharp! 

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



Solid Tungsten Cutters

Straight Flute

1/4" Shank - Single Flute

- Solid Tungsten.
- For all general purpose routing and grooving.
- Improved chip clearance.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-00300	1.6	4.8	38.1	6.35
20-00304	2	4.8	38.1	6.35
20-00308	2.4	4.8	38.1	6.35
20-00312	3	6.35	38.1	6.35
20-00316	3.2	7.9	38.1	6.35
20-00348	3.2	12.7	57.1	6.35
20-00320	4	9.5	38.1	6.35
20-00324	4	11.1	38.1	6.35
20-00352	4	16	57.1	6.35
20-00328	4.8	12.7	38.1	6.35
20-00356	4.8	19	57.1	6.35
20-00332	5	12.7	38.1	6.35
20-00360	5	19	57.1	6.35
20-00336	5.5	12.7	38.1	6.35
20-00340	6	16	38.1	6.35
20-00364	6	25.4	57.1	6.35
20-00344	6.35	16	38.1	6.35
20-00368	6.35	25.4	57.1	6.35

Suitable for: ● Timber ● Plastics

Straight Flute

1/4" Shank - 2 Flute

- Solid Tungsten.
- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-00450	2.4	12.7	45	6.35
20-00454	3.2	12.7	45	6.35
20-00458	4	12.7	45	6.35
20-00462	4.8	16	48	6.35
20-00466	6	16	38	6.35
20-00470	6	28.6	57	6.35
20-00474	6.35	16	38	6.35
20-00478	6.35	28.6	57	6.35
20-00482	6.35	28.6	63.5	6.35

Suitable for: ● Timber ● Plastics

Appreciate loyalty? We do too.

Enjoy the new PERKS+ rewards system!

Every time you spend with Tungsten & Tool you earn points redeemable on genuine big name luxury goods for yourself, your spouse, your family, your workmates.



Tungsten Tipped Cutters

Straight Flute 1/4" Shank - 2 Flute

- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-00486	3.2	8	35	6.35
20-00490	4	8	35	6.35
20-00494	5	8	35	6.35
20-00498	5.5	16	41	6.35
20-00502	5.5	22	54	6.35
20-00506	5.5	28	60	6.35
20-00510	5.8	16	41	6.35
20-00514	5.8	22	54	6.35
20-00518	6	16	41	6.35
20-00522	6	22	54	6.35
20-00526	6.4	16	41	6.35
20-00530	6.4	22	54	6.35
20-00534	7	19	44	6.35
20-00538	7.1	19	44.4	6.35
20-00542	7.9	19	44.4	6.35
20-00546	8	19	44.4	6.35
20-00550	8	25.4	50.8	6.35
20-00554	9	19	44.4	6.35
20-00558	9.5	19	44.4	6.35
20-00562	9.5	25.4	50.8	6.35
20-00566	10	19	44.4	6.35
20-00570	10	25.4	50.8	6.35
20-00574	11	19	44.4	6.35
20-00578	11.1	19	44.4	6.35
20-00582	11.1	25.4	57.4	6.35
20-00586	12	19	44.4	6.35
20-00590	12.7	19	44.4	6.35
20-00594	12.7	25.4	50.8	6.35
20-00598	13	19	44.4	6.35
20-00602	13	25.4	50.8	6.35
20-00606	14	19	44.4	6.35
20-00610	14.3	19	44.4	6.35
20-00614	15	19	44.4	6.35
20-00618	15.9	19	44.4	6.35
20-00622	15.9	25	50.8	6.35
20-00626	16	19	44	6.35
20-00630	16	25	50	6.35
20-00634	16.5	19	44	6.35
20-00638	17	19	44	6.35
20-00642	17.5	19	44	6.35
20-00646	18	19	44	6.35
20-00650	18	25	50	6.35
20-00654	18.5	19	44	6.35
20-00658	19	19	44	6.35
20-00666	19	25.4	44	6.35
20-00670	19.5	19	44	6.35
20-00674	20	19	44	6.35
20-00678	20.5	19	44	6.35
20-00682	21	19	44	6.35
20-00686	22	19	44	6.35
20-00690	22.2	19	44	6.35
20-00694	25	19	44	6.35
20-00698	25.4	19	44	6.35

Suitable for: ● Timber ● Plastics

Safety Tip

Always wear hearing and eye protection. Avoid wearing loose clothing and keep clothing clear of cutting area.



Tungsten Tipped Cutters

Straight Flute

1/2" Shank - 2 Flute

- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-00700	2.4	12.7	50.8	12.7
20-00704	3.2	12.7	50.8	12.7
20-00708	4	12.7	50.8	12.7
20-00712	4.8	16	54	12.7
20-00716	5	10	50.8	12.7
20-00718	6	16	70	12.7
20-00720	6.35	19	60	12.7
20-00724	6.35	16	70	12.7
20-00728	6.6	19	60	12.7
20-00732	7	19	60	12.7
20-00736	7.9	19	73	12.7
20-00724	7.9	25.4	70	12.7
20-00740	8	19	73	12.7
20-00744	8	25.4	65	12.7
20-00748	9	25.4	70	12.7
20-00752	9.5	19	59	12.7
20-00756	9.5	25	70	12.7
20-00760	9.5	37	78	12.7
20-00764	10	19	60	12.7
20-00772	11.1	25.4	70	12.7
20-00776	12	25.4	70	12.7
20-00780	12	32	72	12.7
20-00784	12.7	25.4	65	12.7
20-00792	12.7	32	70	12.7
20-00804	12.7	38	76	12.7
20-00808	12.7	50.8	90.5	12.7
20-00812	12.7	57	101	12.7
20-00814	12.7	63.5	111	12.7
20-00816	13	32	76	12.7
20-00820	13	50.8	95	12.7
20-00824	13	32	64	12.7
20-00828	14	32	76	12.7
20-00832	14.3	32	76	12.7
20-00836	15	38	82	12.7
20-00840	15.9	25.4	64	12.7
20-00844	15.9	38	82	12.7
20-00848	15.9	50.8	95	12.7
20-00852	16	32	64	12.7
20-00860	16	38	82	12.7
20-00868	16	50.8	95	12.7
20-00872	16.5	38	82	12.7
20-00876	17	38	82	12.7
20-00880	17.5	38	82	12.7
20-00884	18	38	82	12.7
20-00888	18	50.8	95	12.7
20-00892	18	57	97	12.7
20-00896	18.5	38	82	12.7
20-00900	19	32	70	12.7
20-00904	19	38	82	12.7
20-00908	19	50.8	95	12.7
20-00920	19	57	90	12.7
20-00924	19.5	38	82	12.7
20-00928	20	38	82	12.7
20-00932	20.6	38	82	12.7

Suitable for: ● Timber ● Plastics

continued on next page

Tungsten Tipped Cutters

Straight Flute
 1/2" Shank - 2 Flute
 (continued)



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-00936	22	32	72	12.7
20-00940	22.2	38	82	12.7
20-00944	25	38	82	12.7
20-00948	25.4	38	82	12.7
20-00952	28.6	32	76	12.7
20-00956	30	32	76	12.7
20-00960	31.8	31.8	70	12.7
20-00964	32	31.8	76	12.7
20-00968	34.9	31.8	70	12.7
20-00972	38.1	31.8	70	12.7
20-00976	41.3	31.8	76	12.7
20-00980	44.4	31.8	76	12.7
20-00984	47.6	31.8	76	12.7
20-00988	50.8	31.8	76	12.7

Suitable for: ● Timber ● Plastics

Sharpening Express

Sharpening Express is an easy, hassle free way of having your tooling expertly serviced.

[With over 30 years of sharpening experience you can be assured of a premium job!]

Here's how it works:

- 1 We provide you with a pre addressed polycarbonate storage box for you to put your dull cutting tools... **FREE**
- 2 Once you're ready, fasten the lid, phone us **TOLL FREE on 0800 488 647** and we'll organize pick up and look after it from there.
- 3 Our experts will service your cutting tools and send it back... **FREIGHT FREE***

TOLL FREE 0800 488 647

Hassle FREE!

Get your tools sharpened when you want... not when somebody else decides to turn up!!

EASY WAY

- ✓ Saw blades
- ✓ Router bits
- ✓ Planer blades
- ✓ Bandsaw blades

* Minimum servicing value \$100 + GST per pick up.

Tungsten Tipped Cutters

Flush Trim Router Bit

1/4" Shank - 2 Flute

- For fast, smooth and accurate trimming cuts for laminates and template work.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02200	6.35	19	51	6.35
20-02204	6.35	25	60	6.35
20-02208	9.5	12.7	45	6.35
20-02212	9.5	25.4	57.4	6.35
20-02220	12.7	12.7	45	6.35
20-02224	12.7	15.9	57.1	6.35
20-02228	12.7	20	50	6.35
20-02232	12.7	25.4	67	6.35
20-02236	12.7	31.80	64	6.35
20-02240	15.9	25.4	67	6.35

Suitable for: ● Timber ● Plastics

Flush Trim

1/2" Shank - 2 Flute

- For fast, smooth and accurate trimming cuts for laminates and template work.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02270	12.7	12.7	50	12.7
20-02274	12.7	25.4	79	12.7
20-02278	12.7	32	72	12.7
20-02282	12.7	38.1	86	12.7
20-02286	12.7	50.8	98	12.7
20-02290	15.9	25.4	79	12.7
20-02294	18	50	90	12.7
20-02298	22	25.4	86	12.7
20-02302	22	38.1	95	12.7

Suitable for: ● Timber ● Plastics

Flush Trim with Down Shear

1/2" Shank - 2 Flute

- For minimal chipping and superior finish



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02334	19	38.1	91.7	12.7
20-02338	19	50.8	101.6	12.7

Suitable for: ● Timber ● Plastics

Tungsten Tipped Cutters

Inverted Flush Trim 1/4" Shank - 2 Flute

- A handy bit for copy work where the template is between the work and the router.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02350	9.5	19	55	6.35
20-02354	12.7	19	55	6.35
20-02358	12.7	25.4	63	6.35
20-02366	15.9	19	55	6.35
20-02362	15.9	25.4	63	6.35
20-02370	19	19	55	6.35
20-02374	19	25.4	63	6.35

Suitable for: ● Timber ● Plastics

Inverted Flush Trim 1/2" Shank - 2 Flute

- A handy bit for copy work where the template is between the work and the router.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02380	19	38.1	92	12.7
20-02382	19	38.1	92	12.7
20-02384	19	50.8	105.6	12.7
20-02388	28.6	30	68	12.7
20-02392	28.6	32	57	12.7
20-02396	28.6	38	89	12.7

Suitable for: ● Timber ● Plastics

Inverted Flush Trim with Down Shear 1/2" Shank - 2 Flute

- For minimal chipping and superior finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-02400	19	38.1	91.7	12.7
20-02404	19	50.8	101.6	12.7

Suitable for: ● Timber ● Plastics

Refer to page 127 for replacement bearings

Tungsten Tipped Cutters

Combination Laminate Trimmer

1/4" Shank - 2 Flute

- Combination of bevel & flush trim cut.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degrees [°]	Shank Diameter (mm)
20-02888	12	11	41	22	6.35
20-02892	12.7	12.7	45	30	6.35
20-02896	12.7	12.7	37.7	45	6.35
20-02900	14.3	19	51	22	6.35

Suitable for: ● Timber ● Plastics

Roundover Router Bits

1/4" Shank - 2 Flute

- Rounding over cutter.
- Gives smooth, chatter free cuts



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Radius (mm)	Shank Diameter (mm)
20-04265	15.9	7.9	47	1.6	6.35
20-04266	16.7	8.7	47	2	6.35
20-04267	19	12.7	50.8	3.2	6.35
20-04268	20.6	11.1	50.8	4	6.35
20-04269	22.2	12	50.8	4.8	6.35
20-04270	22.5	12	50.8	5	6.35
20-04271	25.4	12.7	50.8	6.35	6.35
20-04272	28.6	12.7	50.8	7.9	6.35
20-04273	31.8	15.9	57	9.5	6.35
20-04274	38	19	57	12.7	6.35

Suitable for: ● Timber ● Plastics

Roundover Router Bits

1/2" Shank - 2 Flute

- Rounding over cutter.
- Gives smooth, chatter free cuts



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Radius (mm)	Shank Diameter (mm)
20-04290	19	12.7	63.5	3.2	12.7
20-04294	22	12.7	63.5	4.8	12.7
20-04298	25.4	12.7	63.5	6.35	12.7
20-04302	28.6	12.7	67	7.9	12.7
20-04306	31.8	15.9	67	9.5	12.7
20-04310	38	19	70	12.7	12.7
20-04314	44.5	22.2	82	15.9	12.7
20-04318	50.8	25.4	82	19	12.7
20-04322	57	27.4	89	22.2	12.7
20-04326	63.5	31.8	92	25.4	12.7
20-04330	70	34.9	93	28.6	12.7
20-04334	73	36	93	30	12.7
20-04338	76.5	37.3	95	31.8	12.7

Suitable for: ● Timber ● Plastics

Tungsten Tipped Cutters

"V" Groove Router Bits 1/4" Shank - 2 Flute

- For V grooving, beveling and lettering.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degree Incl (°)	Shank Diameter (mm)
20-04043	6.4	14.7	57.2	22.5	6.35
20-04044	6.35	10.9	57.2	30	6.35
20-04045	25.4	22.4	57.2	60	6.35
20-04046	9.5	6.4	35	90	6.35
20-04047	12.7	12.7	45	90	6.35
20-04048	16	15.9	48	90	6.35
20-04049	32	22	52	90	6.35
20-04050	25.4	25.4	55	60	6.35
20-04051	25.4	7.5	43.3	120	6.35
20-04052	25.4	8.4	40.4	150	6.35

Suitable for: ● Timber ● Plastics

"V" Groove Router Bits 1/2" Shank - 2 Flute

- For V grooving, beveling and lettering.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degree Incl (°)	Shank Diameter (mm)
20-04061	12.7	30.6	76.2	22.5	12.7
20-04062	12.7	22.8	76.2	30	12.7
20-04063	25.4	22.4	70	60	12.7
20-04064	9.5	12.7	52	90	12.7
20-04065	12.7	12.7	52	90	12.7
20-04066	15.9	15.9	56	90	12.7
20-04067	19	15.9	56	90	12.7
20-04068	22.2	19	58	90	12.7
20-04069	25.4	19	58	90	12.7
20-04070	31.3	15.9	63.5	90	12.7
20-04071	39.7	20	86	90	12.7
20-04072	50.8	25.4	76	90	12.7
20-04075	25.4	7.5	55.9	120	12.7
20-04076	50.8	14.7	73.8	120	12.7
20-04077	25.4	8.5	53.4	150	12.7
20-07078	50.8	14.8	65.8	150	12.7

Suitable for: ● Timber ● Plastics

Safety Tip

Ensure that collets are free from wear. Worn collets affect the router's ability to grip the shank properly, resulting in poor finish, excessive noise and shaft breakage.



Tungsten Tipped Cutters

ACM Folding Cutter 2 Flute

- For creating fold corners in aluminium composite laminate.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degree Incl (°)	Shank Diameter (mm)
20-04080	18	7	42	90	6.35
20-04081	45	30.5	81.5	90	12.7
20-04082	16	16	56	110	12.7
20-04083	16	16	56	135	12.7

Suitable for: Aluminium Timber Plastics

Round Nose Veining Bits 1/4"

- For decorative grooving and scoring.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-04084	1.6	4.8	38.1	6.35
20-04085	2.4	4.8	38.1	6.35
20-04086	3.2	7.9	38.1	6.35
20-04087	4	7.9	38.1	6.35
20-04088	4.8	7.9	38.1	6.35
20-04089	5.5	11.1	38.1	6.35
20-04090	6.35	8	38.1	6.35
20-04091	9.5	12.7	45	6.35
20-04092	12.7	15.9	50	6.35
20-04093	15.9	15.9	50	6.35
20-04094	19	19	52	6.35

Suitable for: Timber Plastics

"V" Veining Bits 1/4" Shank - Single Flute

- For 45° decorative grooving and scoring.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-04095	2.4	6.35	38.1	6.35
20-04096	3.2	6.35	38.1	6.35
20-04097	3	10	35	6.35
20-04098	4.8	6.35	38.1	6.35
20-04099	5	12.7	37.7	6.35
20-04100	6.35	9.5	38.1	6.35
20-04101	6.4	16	41	6.35

Suitable for: Timber Plastics

Tungsten Tipped Cutters

Core Box Bits 1/4" Shank - 2 Flute

- For creating rounded grooves.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-04110	3.2	6.35	32	6.35
20-04112	4	10	32	6.35
20-04114	4.8	12.7	38	6.35
20-04116	5.5	12.7	38	6.35
20-04118	6.35	16	38	6.35
20-04120	8	7	38	6.35
20-04122	9.5	6.35	31.8	6.35
20-04124	9.5	12.7	38	6.35
20-04126	12.7	12.7	38	6.35
20-04128	15.9	12.7	38	6.35
20-04130	19	12.7	38	6.35
20-04132	20.5	12.7	38	6.35

Suitable for: ● Timber ● Plastics

Core Box Bits 1/2" Shank - 2 Flute

- For creating rounded grooves.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-04180	6.35	15.9	58	12.7
20-04184	8	19	60	12.7
20-04188	9.5	19	60	12.7
20-04192	11	32	74	12.7
20-04196	12.7	25.4	74	12.7
20-04200	15.9	25.4	74	12.7
20-04204	19	32	74	12.7
20-04208	22.2	32	74	12.7
20-04212	25.4	32	74	12.7
20-04216	28.5	32	74	12.7
20-04220	32	19	63.5	12.7
20-04224	38	22.2	67	12.7

Suitable for: ● Timber ● Plastics

Safety Tip

Check the RPM rating on your router bit.
Do not exceed rated speeds.

- Up to 26mm diameter: 18000-24000
- 27-50mm diameter: 14000-18000
- 51-63mm diameter: 12000-16000
- 64-77mm diameter: 10000-12000



Tungsten Tipped Cutters

Chamfering Router Bit 1/4" - 2 Flute

- For creating clean, accurate bevels.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degrees° [from Verticle]	Shank Diameter (mm)
20-05192	16	15	44	7	6.35
20-05196	16	15	44	10	6.35
20-05204	20	15	48	15	6.35
20-05208	25.4	15	48	22	6.35
20-05212	25.4	15.5	57.1	22.5	6.35
20-05240	25	11	43	30	6.35
20-05248	15	10	43	45	6.35
20-05256	25.4	7.5	46	45	6.35
20-05260	30.2	8.5	48	45	6.35
20-05268	36.5	10.5	52	45	6.35
20-05296	40	8	42	60	6.35
20-05300	40	6.35	53	65	6.35
20-05312	42	5	39	70	6.35
20-05320	40	2.4	50.8	80	6.35

Suitable for: ● Timber ● Plastics

Chamfering Router Bit 1/2" - 2 Flute

- For creating clean, accurate bevels.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degrees° [from Verticle]	Shank Diameter (mm)
20-05188	18.5	36.1	92	5	12.7
20-05200	24.9	36	92	10	12.7
20-05216	25.4	15.5	70	22.5	12.7
20-05220	36	28.4	82	22.5	12.7
20-05244	28.6	13.9	70	30	12.7
20-05252	15	11	56	45	12.7
20-05264	30.2	8.5	50	45	12.7
20-05272	36.5	10.5	54	45	12.7
20-05276	41.3	15.5	72	45	12.7
20-05280	47.6	28	80	45	12.7
20-05284	51	19	80	45	12.7
20-05288	57.2	24	80	45	12.7
20-05292	64	27	89	45	12.7
20-05224	41	7	56	65	12.7
20-05228	50	9	58	65	12.7
20-05232	62	12	63	65	12.7
20-05236	90	17	70	65	12.7
20-05304	40	6.35	63.5	65	12.7
20-05308	75	14.5	70	65	12.7
20-05316	42	6	49	70	12.7
20-05324	42	2.8	50.8	80	12.7
20-05328	75	5.5	65	80	12.7

Suitable for: ● Timber ● Plastics

Tungsten Tipped Cutters

Die Mould, Patternmakers Bit 1/2" - 2 Flute

- Bevel cutters for die and model making



Part #	Small Diameter (mm)	Large Diameter (mm)	Cut Length (mm)	OAL (mm)	Degrees (from Verticle)	Shank Diameter (mm)
20-05376	10	12	32	72	1.5	12.7
20-05380	10	13.5	32	72	3	12.7
20-05384	10	15.5	32	72	5	12.7
20-05388	10	17.5	32	72	7	12.7
20-05392	10	21.5	32	72	10	12.7
20-05396	10	27.5	32	72	15	12.7
20-05400	10	12.5	50	90	1.5	12.7
20-05404	10	15.5	50	90	3	12.7
20-05408	10	17.5	50	90	5	12.7
20-05412	10	25	50	90	7	12.7
20-05416	10	27.5	50	90	10	12.7
20-05420	10	36	50	90	15	12.7

Suitable for: ● Timber ● Plastics

Rebating Router Bit 1/4" Shank - 2 Flute

- For creating fast & accurate rebates



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Rebate Depth (mm)	Shank Diameter (mm)
20-05466	19	12.7	45	5	6.35
20-05474	21	12.7	45	6	6.35
20-05470	25.4	12.7	50.8	6.35	6.35
20-05486	31.7	12.7	57	9.5	6.35
20-05494	33	12.7	45	10	6.35

Suitable for: ● Timber ● Plastics

Different size bearings can be fitted to give different cut depths

Rebating Router Bit 1/2" Shank - 2 Flute

- For creating fast & accurate rebates



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Rebate Depth (mm)	Shank Diameter (mm)
20-05478	21	12.7	66	6	12.7
20-05482	25.4	12.7	63	6.35	12.7
20-05490	29	12.7	66	8	12.7
20-05498	31.7	12.7	63	9.5	12.7
20-05502	31.7	25.4	76.2	9.5	12.7
20-05506	33	12.7	66	10	12.7
20-05510	38.1	12.7	65	12.7	12.7
20-05514	39	16	66	13	12.7
20-05518	44.5	12.7	65	15.9	12.7
20-05522	51	18	66	19	12.7
20-05526	63	18	66	25	12.7

Suitable for: ● Timber ● Plastics

Tungsten Tipped Cutters

Tungsten Tipped T Slotting Cutter

- For creating horizontal T slots for slatwall, etc
- Suitable for Timber and Plastics



Part #	Cut Diameter (mm)	Cut Length (mm)	Neck Diameter (mm)	OAL (mm)	Rebate Depth (mm)	Shank Diameter (mm)	Type
20-03966	25.4	8.8	12.7	11	60	12.7	Triple Angle
20-03968	34.9	9.5	12.7	12.5	64	12.7	Square Tip
20-03970	28	10	10	12	78.5	12.7	Square Tip
20-03974	30	10	10	12	78.5	12.7	Square Tip
20-03978	30.6	10	10.6	8	78.5	12.7	Square Tip

Suitable for: ● Timber ● Plastics

For diamond T Slotters see Page 57

Slotting Cutter 4 Teeth



Part #	Cut Diameter (mm)	Kerf (mm)
20-03008	31.8	1.2
20-03012	31.8	1.6
20-03076	38	1.5
20-03080	38	2
20-03084	38	2.5
20-03088	38	3
20-03092	38	3.5
20-03096	38	4
20-03100	38	5
20-03104	38	6
20-03148	50.8	1.5
20-03152	50.8	1.6
20-03156	50.8	2
20-03160	50.8	2.5
20-03164	50.8	2.8
20-03168	50.8	3
20-03172	50.8	3.2
20-03176	50.8	3.6
20-03180	50.8	4
20-03184	50.8	4.8
20-03188	50.8	5
20-03192	50.8	5.5
20-03196	50.8	6
20-03200	50.8	6.4
20-03204	50.8	8
20-03208	74	5
20-03212	80	4.8
20-03216	80	5.5
20-03220	80	6.4
20-03224	80	8

Suitable for: ● Timber ● Plastics

The Perks+ Rewards System



PERKS+ is Tungsten & Tool's in house rewards system.

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Not purchasing from us but would like to know more about how we help clients like you? Just phone 0800 488 647.

Replaceable Knife Router Bits

Straight Flute - 2 Flute

- Straight 2 Knife Cutter for routing, grooving and trimming.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Knife Code
20-10000	19	12	48	6.35	23-0252
20-10004	19	12	58	12.7	23-0252
20-10008	18	30	75	12.7	23-0456
20-10020	19	30	75	12.7	23-0456
20-10032	19	50	94	12.7	23-0488
20-10036	20	30	85	12.7	23-0456

Suitable for: ● Timber ● Plastics

Flush Trim - 2 Flute

- 2 Knife Flush Trim Cutter for smooth, accurate trimming.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Knife Code
20-10068	19	12	57	6.35	23-0252
20-10072	19	12	65	12.7	23-0252
20-10084	19	30	82	12.7	23-0120
20-10088	19	40	93	12.7	23-0140
20-10092	19	30	93	12.7	23-0120
20-10096	19	40	105	12.7	23-0140
20-10108	19	50	80	12.7	23-0160
20-10108BB	19	60	90	12.7	23-0180

Suitable for: ● Timber ● Plastics

Inverted Flush Trim - 2 Flute

- 2 Knife Flush Trim Cutter for smooth, accurate trimming.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Knife Code
20-10116	19	30	78	12.7	23-0456
20-10120	19	40	88	12.7	23-0140-4
20-0104INV	19	50	112	12.7	23-0160
20-10128	24	40	88	12.7	23-0140-4
20-10132	28.6	30	78	12.7	23-0456
20-10136	28.6	40	88	12.7	23-0140-4
20-10140	28.6	50	98	12.7	23-0488
20-0108INV	19	60	90	12.7	23-0180

Suitable for: ● Timber ● Plastics

Refer to page 106 for replacement Knives

Replaceable Knife Router Bits

Double Bearing Flush Trim - 2 Flute

- 2 Knife Flush Trim Cutter for smooth, accurate trimming.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Knife Code
20-10102	19	30	92	12.7	23-0120
20-10104	19	50	112	12.7	23-0160
20-10106	19	60	122	12.7	23-0180

Suitable for: Timber Plastics

Chamfer - 2 Flute

- 2 Knife Trim Cutter for smooth, accurate trimming



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Degrees° (from Verticle)	Knife Code
20-10220	24	12	36	6.35	22	23-0252
20-10228	19	12	58	12.7	22	23-0252
20-10224	27	12	36	6.35	30	23-0252
20-10232	29	12	45	6.35	45	23-0252
20-10236	19	12	58	12.7	45	23-0252

Suitable for: Timber Plastics

V' Groover Cutter - 2 Flute

- Single Knife Cutter for clean, sharp V grooving



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Degrees° (from Verticle)	Knife Code
20-10240	25	15.5	68	12.7	45.5	23-2988
20-10244	18	12	60	12.7	45	23-0252

Suitable for: Timber Plastics

Surface Planer / Rebater

- Ideal for fast material removal with smooth finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Knife Code
20-10248	55	12	78	12.7	23-0252
20-10249	38.1	12.5	59	12.7	23-0252 & 23-0352

Suitable for: Timber Plastics



On Call!

Tungsten & Tool supports the CNC/Router Industry with On-Call – an exclusive, no charge service for the woodworking, plastic and non-ferrous machinist.

On-Call support services include comprehensive training, technical support, on-site trouble shooting and custom tool design. The On-Call team offers tailored solutions for problem solving and productivity gains.

Factory Technical Support

Tungsten & Tool provides your business with access to our team of highly trained professional factory technicians. The On-Call Team can assist you with those difficult production routing problems while increasing your performance and productivity.

Correct tool selection, faster feed rates, fewer and quicker set ups are all pieces to the productivity puzzle. The On-Call team offers tailored solutions for problem solving and productivity gains.

Custom Tool Design

Not only does Tungsten & Tool offer the largest selection of router bits for day to day operations, but we will also design a tool for your specific application or material. The On-Call team will take your tool requirements from the drawing board, to sophisticated computer-aided design, to testing on our suppliers CNC routers.



Cutters for CNC Routers

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Solid HSS Cutters

HSS Single Flute 0 Flute Straight

- Combines an open flute design with single flute geometry to provide optimum chip removal.
- Excellent for hand-fed operations.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-50032	6.35	31.7	67	6.35
20-50070	6.35	19	81.5	6.35

Suitable for: ABS, Polycarbonate, Polyethylene, PVC, Polystyrene, Extruded Acrylic, HDPE, UHMW Natural Wood

HSS 2 Flute 0 Flute Straight

- Combines an open flute design with single flute geometry to provide optimum chip removal.
- Excellent for hand-fed operations.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-50120	6.35	50	81.5	6.35

Suitable for: ABS, Polycarbonate, Polyethylene, PVC, Polystyrene, Extruded Acrylic, HDPE, UHMW

HSSE Single Flute Cutter for Aluminium

- Made for use on copy routers.
- Aluminium and Aluminium Extrusion



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-43280	3	12	60	8
20-43296	4	12	60	8
20-43788	5	12	60	8
20-43992	5	18	60	8
20-44000	5	25	80	8
20-44004	6	14	60	8
20-44012	6	25	70	8
20-44020	6	14	80	8
20-44212	6	14	100	8
20-44352	8	14	80	8
20-44360	8	25	80	8
20-44368	10	14	80	8
20-44380	10	22	100	8
20-44388	10	14	120	10

Suitable for: Aluminium and Aluminium Extrusion

Solid Tungsten Cutters

Single Flute Engraving Cutter

- The half round engraving tools are offered with a wide range of tip sizes and angles to accommodate many engraving styles.
- 60° including
- D Type.



Part #	Cut Diameter [mm]	Tip Flat [mm]	OAL [mm]	Degree Inc	Shank Diameter [mm]
20-50600	6.35	0.13	50	60	6.35
20-50604	6.35	0.25	50	60	6.35
20-50608	6.35	0.5	50	60	6.35
20-50612	6.35	0.76	50	60	6.35
20-50616	6.35	1	50	60	6.35
20-50620	6.35	1.5	50	60	6.35
20-50624	6.35	2.3	50	60	6.35
20-50632	6	0.5	50	60	6
20-50636	6	0.76	50	60	6
20-50640	6	1	50	60	6

Suitable for: ● Wood ● Plastic ● Aluminium ● Solid Surface

Single Flute Engraving Cutter

- The half round engraving tools are offered with a wide range of tip sizes and angles to accommodate many engraving styles.
- 30° including
- D Type.



Part #	Cut Diameter [mm]	Tip Flat [mm]	OAL [mm]	Degree Inc	Shank Diameter [mm]
20-50650	6.35	0.13	50	30	6.35
20-50654	6.35	0.25	50	30	6.35
20-50658	6.35	0.5	50	30	6.35
20-50662	6.35	0.76	50	30	6.35
20-50666	6.35	1	50	30	6.35
20-50670	6.35	1.5	50	30	6.35
20-50674	6.35	2.3	50	30	6.35
20-50682	6	0.5	50	30	6
20-50686	6	0.76	50	30	6
20-50690	6	1	50	30	6

Suitable for: ● Wood ● Plastic ● Aluminium ● Solid Surface

Tungsten Tipped 2 Flute ACM Folding Cutter

- Designed for cutting Aluminium/Plastic sandwich materials
- 90° angle
- Flat bottom



Part #	Cut Diameter [mm]	Tip Flat [mm]	OAL [mm]	Degree Inc	Shank Diameter [mm]
20-04080	18	7	42	90	6.35
20-04082	16	6	56	110	12.7
20-04083	16	5	56	135	12.7

Suitable for: ● Plastic ● Aluminium ● Sandwich Materials

Solid Tungsten Cutters

2 Flute Upcut Cutter - Imperial

- Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-50904	3.2	12.7	50	6.35
20-50912	3.97	16	50	6.35
20-50916	4.8	19	50	6.35
20-50924	6.35	22.2	63.5	6.35
20-50928	6.35	25.4	63.5	6.35
20-50932	6.35	28	75	6.35
20-50936	7.94	25.4	63.5	7.94
20-50952	9.5	28	75	9.5
20-50956	9.5	31.7	75	9.5
20-50964	11.1	25.4	75	12.7
20-50972	12.7	31.7	87	12.7
20-50976	12.7	41.4	87	12.7
20-50984	12.7	54	101	12.7

Suitable for: ● Natural wood ● Wood Composites ● Solid Surface ● Some Plastic

2 Flute Upcut Cutter - Metric

- Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-51004	3	12	60	6
20-51024	4	16	64	6
20-51040	5	20	64	6
20-51052	6	25	64	6
20-51068	8	25	64	8
20-51072	8	32	80	8
20-51084	10	25	70	10
20-51088	10	32	80	10
20-51108	12	35	76	12
20-51112	12	42	100	12
20-51116	12	52	100	12

Suitable for: ● Natural wood ● Wood Composites ● Solid Surface ● Some Plastic

2 Flute Downcut Cutter - Imperial

- Designed for routing where downward chip removal, tool rigidity, long life and high quality finish is desired.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-51200	3.2	12.7	50	6.35
20-51220	4.8	19	50	6.35
20-51228	5.55	19	63.5	6.35
20-51232	6.35	22.2	63.5	6.35
20-51236	6.35	25.4	63.5	6.36
20-51244	6.35	28	75	6.35
20-51268	9.5	28	75	9.5
20-51288	12.7	31.8	76.2	12.7
20-51300	12.7	54	101	12.7

Suitable for: ● Natural wood ● Wood Composites

Solid Tungsten Cutters

2 Flute Downcut Cutter - Metric

- Designed for routing where downward chip removal, tool rigidity, long life and high quality finish is desired.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-51370	4	16	64	6
20-51390	5	20	64	6
20-51406	6	25	64	6
20-51410	8	25	64	8
20-51426	10	35	76	10
20-51442	12	32	75	12

Suitable for: ● Natural wood ● Wood Composites

3 Flute Upcut Finisher Cutter

- Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.

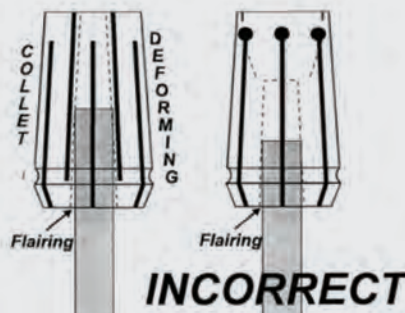


Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-51554	8	32	80	8
20-51558	10	32	80	10
20-51562	10	42	100	10
20-51566	12	32	80	12
20-51570	12	42	100	12
20-51574	12	52	100	12
20-51594	16	42	100	16
20-51598	16	52	100	16
20-51602	16	72	120	16
20-51606	18	52	100	18
20-51614	18	102	150	18
20-51618	20	52	100	20
20-51626	20	72	120	20
20-51630	20	102	150	20
20-51634	25	102	150	25

Suitable for: ● Natural wood ● Wood Composites

Safety Tip

Ensure your router bit shank is gripped by the collet for at least 2x its diameter. Do not allow flute run out to enter the colletting area as this reduces the grip and will force dirt into the collet, eventually causing it to run out.



Solid Tungsten Cutters

3 Flute Upcut Hogger Cutter - Imperial

- Designed with unique scalloped cutting geometry which provides extremely fast roughing, longer tooling life, reduced chipping in solid wood.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-51650	6.35	19	63.5	6.35
20-51654	9.5	25.4	63.5	9.5
20-51666	12.7	38	89	12.7

Suitable for: ● Natural wood ● Wood Composites

3 Flute Upcut Hogger Cutter - Metric

- Designed with unique scalloped cutting geometry which provides extremely fast roughing, longer tooling life, reduced chipping in solid wood



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-51704	8	32	80	8
20-51712	10	32	80	10
20-51716	10	42	100	10
20-51720	12	32	75	12
20-51724	12	42	100	12
20-51728	12	52	100	12
20-51748	16	52	100	16
20-51752	16	72	120	16
20-51756	18	52	100	18
20-51760	18	72	120	18
20-51772	20	52	100	20
20-51776	20	72	120	20
20-51780	20	102	150	20
20-51784	25	102	150	25

Suitable for: ● Natural wood ● Wood Composites

Appreciate loyalty? We do too.

Enjoy the new PERKS+ rewards system!

Every time you spend with Tungsten & Tool you earn points redeemable on genuine big name luxury goods for yourself, your spouse, your family, your workmates.



Solid Tungsten Cutters

2 Flute Max Life Compression Cutter - Imperial

- Designed for maximum life when cutting in high-wear applications.
- Unique tool geometries and carbides equate to superior part finish.
- Prevents chipping and furring.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-51900	6.35	22	63	6.35	4.8
20-51904	9.5	22	75	9.5	4.8
20-51908	9.5	28	75	9.5	10.3
20-51912	9.5	28	75	9.5	4.8
20-51916	12.7	22	75	12.7	5
20-51920	12.7	28	75	12.7	14.3
20-51924	12.7	35	87.5	12.7	16
20-51928	12.7	35	87.5	12.7	5
20-51932	12.7	41.4	100	12.7	19
20-51936	12.7	54	125	12.7	25.4

Suitable for: ● Double sided laminate and veneered materials ● MDF

3 Flute Max Life Compression Cutter - Imperial

- Designed for maximum life when cutting in high-wear applications.
- Unique tool geometries and carbides equate to superior part finish.
- Prevents chipping and furring.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-51980	9.5	22	75	9.5	5
20-51984	9.5	28	75	9.5	12.7
20-51988	12.7	28	75	12.7	12.7
20-51992	12.7	41.4	87.5	12.7	19
20-51996	12.7	22	75	12.7	5
20-52000	12.7	35	87.5	12.7	5

Suitable for: ● Double sided laminate and veneered materials ● Laminated Particle Board

ONSRUD Cutter



We are the sole accredited full line distributor in NZ for the world renowned ONSRUD cutters.

With their up to the minute technology and in-house laboratory, Onsrud manufactures the best cutting tools in the world for routing plastics, aluminium, panel products & composites. Tungsten & Tool have been supplying these to hundreds of clients throughout NZ for over 15 years!

Composite



Wood



Plastic



Non-Ferrous



Solid Tungsten Cutters

2 Flute Compression Cutter Pro Range - Imperial

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52030	6.35	22	63.5	6.35	8
20-52034	6.35	22	63.5	6.35	5
20-52042	9.5	22	76	9.5	5
20-52044	9.5	22	76	12	7
20-52046	9.5	28	76	9.5	8
20-52054	12.7	25.4	76	12.7	10
20-52058	12.7	25.4	76	12.7	6.35
20-52062	12.7	31.8	75	12.7	8.5
20-52066	12.7	35	92	12.7	10
20-52070	12.7	41.3	92	12.7	6.35

Suitable for: Double sided laminate and veneered materials

3 Flute Compression Cutter Pro Range - Imperial

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52100	9.5	22	75	9.5	4.5
20-52102	9.5	22	81	12	8
20-52104	9.5	28.6	76	9.5	8
20-52108	9.5	28	75	9.5	4.5
20-52112	12.7	25.4	76	12.7	10
20-52116	12.7	25.4	76	12.7	6.35
20-52120	12.7	35	92	12.7	10
20-52124	12.7	41.4	92	12.7	6.35
20-52128	12.7	50	100	12.7	6

Suitable for: Double sided laminate and veneered materials

2 Flute Compression Cutter Pro Range - Metric

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52150	6	30	70	6	4.4
20-52154	8	25	63	8	8
20-52158	8	25	63	8	5
20-52162	10	22.2	75	10	5
20-52166	10	30	75	10	8
20-52170	12	30	75	12	8

Suitable for: Double sided laminate and veneered materials

Solid Tungsten Cutters

3 Flute Compression Cutter Pro Range – Metric

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52200	10	22.2	75	10	5
20-52204	10	28	75	10	8
20-52208	10	30	75	10	4.5
20-52212	12	35	80	12	6
20-52216	12	40	90	12	6

Suitable for: ● Double sided laminate and veneered materials

2 Flute Marathon Compression Cutter

- Unique Coating which protects the cutting edge from the high temperatures generated when routing abrasive materials.
- The longest running compression on the market.



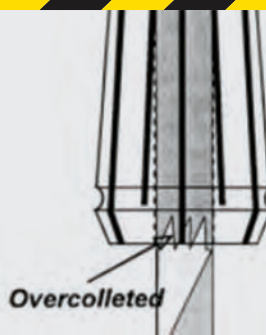
Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52246	9.5	22	75	9.5	4.8
20-52250	9.5	28	75	9.5	10.3
20-52254	12.7	22	75	12.7	5
20-52258	12.7	28	75	12.7	14.3
20-52262	12.7	35	87.5	12.7	16
20-52266	12.7	41.4	100	12.7	19
20-52270	12.7	35	87.5	12.7	5

Suitable for: ● Double sided laminated and veneered wood composites

For replacement collets go to Page 82

Safety Tip

Never 'overfill' your collet. No shank should protrude past the back of the collet.



Solid Tungsten Cutters

3 Flute Marathon Compression Cutter

- Unique Coating which protects the cutting edge from the high temperatures generated when routing abrasive materials.
- The longest running compression on the market.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52300	9.5	22	75	9.5	5
20-52304	12.7	35	87.5	12.7	5

Suitable for: Double sided laminated and veneered wood composites

2 Flute Dual Core Compression Cutter

- An innovative compression that utilises 2 grades of tungsten.
- The harder outer shell is reinforced by a tougher inner core which makes the tool stronger and reduces breakage.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52330	9.5	22	75	9.5	4.8
20-52334	9.5	28	75	9.5	10.3

Suitable for: Double sided laminated and veneered wood composites

3 Flute Dual Core Compression Cutter

- An innovative compression that utilises 2 grades of tungsten.
- The harder outer shell is reinforced by a tougher inner core which makes the tool stronger and reduces breakage.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52340	9.5	22	75	9.5	5

Suitable for: Double sided laminated veneered wood composites

Solid Tungsten Cutters

2 Flute Chipbreaker Compression Cutter

- Designed to give the optimum edge finish of the compressions with faster feed rates.
- Eliminates furring in soft material.
- Others sizes available.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Upcut Length (mm)
20-52370	9.5	22	75	9.5	4.8
20-52374	9.5	28	75	9.5	10.3
20-52376	12	42	90	12	8
20-52378	12.7	22	75	12.7	5
20-52382	12.7	28	75	12.7	14.3
20-52386	12.7	35	87.5	12.7	16
20-52390	12.7	41.4	100	12.7	19
20-52392	16	50	100	16	8
20-52394	20	50	125	20	9

Suitable for: ● Double Sided Laminated ● Natural Wood ● Wood Composites
● Plywood

2 Flute Upcut Spiral Ballnose Cutter

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-52440	1.6	6.35	50	3.2
20-52444	3.2	12.7	50	6.35
20-52448	3.2	12.7	50	3.2
20-52452	4.8	19	50	6.35
20-52456	6.35	22	63	6.35
20-52460	9.5	28	75	9.5
20-52464	12.7	28	75	12.7
20-52468	15.9	56	100	15.9
20-52472	19	63	125	16
20-52476	3	12	50	6
20-52480	6	22	64	6
20-52484	10	29	76	10
20-52488	12	29	76	12

Suitable for: ● Plastic ● Solid Surface ● Block & Plate Aluminium
● Natural Wood ● Wood Composites

Safety Tip

Did you know that feeding a cutter too slow is the single biggest cause of premature blunting, burning and generally poor finish? Call Tungsten & Tool to obtain the correct parameters for your cutter.



Solid Tungsten Cutters

2 Flute Upcut Spiral Ballnose Cutter - Imperial - Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	ERL (mm)	OAL (mm)	Shank Diameter (mm)
20-54500	1.6	6.35	-	75	3.2
20-54504	3.2	12.7	41	75	6.35
20-54508	3.2	12.7	41	75	3.2
20-54512	4.8	19	41	75	6.35
20-54516	6.35	25.4	66	100	6.35
20-54520	9.5	31.7	66	100	9.5
20-54524	12.7	38.1	91	125	12.7
20-54528	16	63	91	125	16
20-54532	19	75	117	150	19

Suitable for: ● Plastic ● Solid Surface ● Block & Plate Aluminium ● Natural Wood ● Wood Composites

2 Flute Upcut Spiral Ballnose Cutter - Metric

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54550	6	10	57	6
20-54554	8	16	63	8
20-54558	10	19	72	10
20-54562	12	22	83	12

Suitable for: ● Plastic ● Solid Surface ● Block & Plate Aluminium ● Natural Wood ● Wood Composites

2 Flute Upcut Spiral Ballnose Cutter - Metric - Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54600	6	7	90	6
20-54604	8	9	100	8
20-54608	10	11	120	10
20-54612	12	13	120	12

Suitable for: ● Plastic ● Solid Surface ● Block & Plate Aluminium ● Natural Wood ● Wood Composites

Solid Tungsten Cutters

2 Flute Upcut Spiral Ballnose Cutter - Metric - Extra Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54640	6	12	120	6
20-54644	8	16	150	8
20-54648	10	20	150	10
20-54652	12	24	150	12
20-54656	16	32	200	16
20-54660	20	40	200	20

Suitable for: ● Plastic ● Solid Surface ● Block & Plate Aluminium
● Natural Wood ● Wood Composites

HSS 4 Flute Upcut Spiral Foam Cutter

- Designed to cut thick foam with upward chip flow.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54700	12.7	91	150	12.7
20-54704	12.7	104	163	12.7

Suitable for: ● Foam

2 Flute Upcut Spiral Foam Cutter

- Designed to cut thick foam with upward chip flow.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54730	3.2	28	63	6.35
20-54734	4.8	28	75	4.8
20-54738	4.8	42	100	4.8
20-54742	6.35	57	100	6.35
20-54746	7.9	78	150	7.9
20-54750	9.5	88	150	9.5

Suitable for: ● Foam

Solid Tungsten Cutters

2 Flute 0 Flute Slow Helix Upcut Spiral Cutter

- Low helix geometry designed to cut soft and hard plastic with a smooth finish



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54780	6.35	9.5	63	6.35
20-54784	6.35	19	63	6.35
20-54788	9.5	25.4	75	9.5
20-54792	12.7	28	88	12.7
20-54796	12.7	42	88	12.7
20-54800	12.7	54	112	12.7

Suitable for: ● Soft and Hard Plastic, Acrylic, Nylon, ABS, PE, Acetal, PET, HDPE, UHMW, Polycarbonate ● Solid Surface

2 Flute 0 Flute Upcut Spiral Cutter

- High helix geometry designed to cut soft plastic with a smooth finish.
- Special point geometry for improved bottom finish.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54850	3.2	12.7	50	6.35
20-54854	4.8	9.5	63	4.8
20-54858	4.8	16	63	6.35
20-54862	6.35	22	75	6.35
20-54866	6.35	31.7	75	6.35
20-54870	9.5	25.4	75	9.5
20-54874	9.5	38	100	9.5
20-54878	12.7	31.7	100	12.7
20-54882	12.7	45	100	12.7
20-54886	12.7	54	100	12.7

Suitable for: ● Soft Plastic, Extruded Acrylic, Nylon, ABS, PE, Acetal, PET, HDPE, UHMW, Polycarbonate ● Foam ● Solid Surface

2 Flute V Flute Straight Cutter - Imperial

- Designed specifically to rout harder, more rigid plastics



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-55000	3.2	6.35	50	6.35
20-55004	4.8	9.5	50	6.35
20-55008	4.8	16	50	6.35
20-55012	4.8	16	100	6.35
20-55016	6.35	9.5	63	6.35
20-55020	6.35	19	63	6.35
20-55024	6.35	31.7	100	6.35
20-55028	9.5	16	63	9.5
20-55032	9.5	22	63	9.5
20-55036	9.5	42	150	9.5
20-55040	12.7	25.4	75	12.7
20-55044	12.7	54	150	12.7

Suitable for: ● Foam ● Fibreglass ● Phenolic, Acrylic, Nylon, PVC, ABS, Acetal ● Solid Surface

Solid Tungsten Cutters

2 Flute V Flute Straight Cutter - Metric

- Designed specifically to rout harder, more rigid plastics.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-55050	4	16	65	6
20-55054	5	20	64	6
20-55058	6	25	64	6
20-55062	8	25	76	8
20-55066	10	35	88	10
20-55070	12	35	88	12

Suitable for: Phenolic, Acrylic, Nylon, PVC, ABS, Acetal Solid Surface

2 Flute O Flute Straight Cutter - Metric

- Designed with free cutting O Flute geometry along with double flute for smooth finish



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-55200	4	16	65	6
20-55204	5	20	64	6
20-55208	6	25	64	6
20-55212	8	25	76	8
20-55216	10	35	88	10
20-55220	12	35	88	12

Suitable for: Polycarbonate, ABS, HIPS, HDPE, PET, Acrylic, Polystyrene, Polypropylene, PE, PVC, Acetal, UHMW

2 Flute O Flute Straight Cutter - Imperial

- Designed with free cutting O Flute geometry along with double flute for smooth finish



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-55250	3.2	7.9	50	6.35
20-55254	3.2	12.7	50	6.35
20-55258	3.2	16	100	6.35
20-55262	4.8	9.5	50	6.35
20-55266	4.8	16	50	6.35
20-55270	4.8	25.4	100	6.35
20-55274	6.35	9.5	63	6.35
20-55278	6.35	25.4	63	6.35
20-55286	6.35	25.4	82	6.35
20-55290	6.35	31.7	100	6.35
20-55294	9.5	22	63	9.5
20-55298	9.5	25.4	100	9.5
20-55302	12.7	25.4	75	12.7
20-55306	12.7	25.4	100	12.7
20-55310	12.7	45	100	12.7
20-55314	12.7	54	150	12.7

Suitable for: Polycarbonate, ABS, HIPS, HDPE, PET, Acrylic, Polystyrene, Polypropylene, PE, PVC, Acetal, UHMW

Solid Tungsten Cutters

3 Flute Low Helix Finisher Cutter

- Designed for perfect balance and ultra smooth finish



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-55800	6.35	9.5	75	6.35
20-55804	6.35	22	75	6.35
20-55808	9.5	16	75	9.5
20-55812	9.5	28	75	9.5
20-55816	12.7	28	88	12.7
20-55820	12.7	42	100	12.7
20-55824	12.7	54	113	12.7

Suitable for: ● Natural Wood ● Plastic, Composite Plastic ● Solid Surface

Single Flute O Flute Straight Cutter - Imperial

- Designed to combine the fast free cutting of O flute geometry with tool life available from solid tungsten.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-56200	3.2	7.9	50	6.35
20-56201	3.2	12.7	50	3.2
20-56202	3.2	12.7	50	6.35
20-56204	3.2	16	75	3.2
20-56205	3.2	16	100	6.35
20-56207	4.8	9.5	50	6.35
20-56208	4.8	16	63	4.8
20-56209	4.8	16	50	6.35
20-56211	4.8	25.4	100	6.35
20-56212	5.55	16	63	6.35
20-56213	6.35	9.5	63	6.35
20-56214	6.35	19	63	6.35
20-56216	6.35	19	82	6.35
20-56218	6.35	25.4	82	6.35
20-56219	6.35	31.7	100	6.35
20-56220	9.5	16	63	9.5
20-56221	9.5	22	63	9.5
20-56222	9.5	42	150	9.5

Suitable for: ● Polycarbonate, Polyethylene, Polypropylene PVC, Polystyrene, Extruded Acrylic, HDPE, UHMW and Hard Plastic

Safety Tip

Be careful not to exceed recommended rpm when using large diameter cutters. Many cutters have Max rpm written on the shaft. Optimum speed is normally 15-20% below this. Unsure? Call Tungsten & Tool – we'll be glad to help.



Solid Tungsten Cutters

Single Flute O Flute Straight Cutter - Metric

- Designed to combine the fast free cutting of O flute geometry with tool life available from solid tungsten.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56250	4	16	64	6
20-56254	5	20	64	6
20-56258	6	25	64	6
20-56262	8	25	64	8
20-56266	12	35	88	12

Suitable for: Polycarbonate, Polyethylene, Polypropylene PVC, Polystyrene, Extruded Acrylic, HDPE, UHMW and Hard Plastic

Single Flute O Flute Downcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in hard plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56300	3.2	12.7	50	3.2
20-56304	3.2	12.7	50	6.35
20-56312	4.8	16	50	4.8
20-56316	4.8	16	50	6.35
20-56320	6.35	19	63	6.35
20-56324	6.35	31.7	75	6.35
20-56328	6.35	38	75	6.35

Suitable for: Acrylic, Nylon, PVC, Polycarbonate Solid Surface

Single Flute O Flute Downcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in soft plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56350	3.2	12.7	50	3.2
20-56354	3.2	12.7	50	6.35
20-56358	4.8	16	50	4.8
20-56362	4.8	16	50	6.35
20-56366	6.35	19	63	6.35
20-56370	6.35	31.7	75	6.35

Suitable for: HDPE, HIPS, UHMW, ABS, Polycarbonate, PE, Polystyrene, Polypropylene, Acetal, Acrylic, PET Solid Surface

Solid Tungsten Cutters

Single Flute O Flute Downcut Spiral Cutter - Metric

- Designed to provide a smooth finish in hard plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56400	3	12	64	6
20-56404	4	20	64	6
20-56408	5	16	64	6
20-56412	6	30	76	6
20-56416	6	38	76	6
20-56420	8	25	64	8
20-56424	8	38	76	8

Suitable for: Acrylic, Nylon, PVC, Polycarbonate Solid Surface

Single Flute O Flute Downcut Spiral Cutter - Metric

- Designed to provide a smooth finish in soft plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56428	3	12	64	6
20-56432	4	20	64	6
20-56436	5	16	64	6
20-56440	8	38	76	8

Suitable for: HDPE, HIPS, UHMW, ABS, Polycarbonate, PE, Polystyrene, Polypropylene, Acetal, Acrylic, PET Solid Surface

Safety Tip

Keep your cutters, collets and tool holders clean. This is essential for maximum cutter life, best finish, safety and machine life. Tungsten & Tool have all the cleaners, lubricants etc that you need to ensure you're doing it right. They even have **tooling maintenance kits** individually tailored to your requirement. Ask today!



NZ

0800 488 647 (freephone)
 tungstenandtool.co.nz

AUS

1800 488 647 (freephone)
 tungstenandtool.com

Solid Tungsten Cutters

Single Flute O Flute Upcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in hard plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56450	1.6	6.35	50	3.2
20-56454	1.6	6.35	50	6.35
20-56458	3.2	16	63	6.35
20-56462	3.2	19	63	6.35
20-56466	3.2	6.35	50	3.2
20-56470	3.2	6.32	50	6.35
20-56474	3.2	12.7	50	3.2
20-56478	3.2	12.7	50	6.35
20-56490	4.8	9.5	50	4.8
20-56494	4.8	9.5	50	6.35
20-56498	4.8	16	50	4.8
20-56502	4.8	16	50	6.35
20-56506	5.55	19	63	6.35
20-56510	6.35	9.5	50	6.35
20-56518	6.35	19	63	6.35
20-56522	6.35	31.7	75	6.35
20-56526	6.35	38	75	6.35
20-56530	9.5	16	63	9.5
20-56534	9.5	19	75	9.5
20-56538	9.5	28	75	9.5
20-56542	9.5	41.4	88	9.5
20-56550	12.7	41.4	88	12.7

Suitable for: Acrylic, Nylon, PVC, Polycarbonate Solid Surface

Single Flute O Flute Upcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in soft plastic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56600	1.6	6.35	50	3.2
20-56604	1.6	6.35	50	6.35
20-56608	3.2	6.35	50	3.2
20-56612	3.2	6.32	50	6.35
20-56616	3.2	12.7	50	3.2
20-56620	3.2	12.7	50	6.35
20-56628	4.8	9.5	50	4.8
20-56632	4.8	9.5	50	6.35
20-56636	4.8	16	50	4.8
20-56640	4.8	16	50	6.35
20-56644	6.35	9.5	50	6.35
20-56652	6.35	19	63	6.35
20-56656	6.35	31.7	75	6.35
20-56660	6.35	38	75	6.35
20-56664	9.5	16	63	9.5
20-56668	9.5	19	75	9.5
20-56672	9.5	28	75	9.5
20-56676	9.5	41.4	88	9.5
20-56684	12.7	41.4	88	12.7

Suitable for: HDPE, HIPS, UHMW, ABS, Polycarbonate, PE, Polystyrene, Polypropylene, Acetal, Acrylic, PET Solid Surface

Solid Tungsten Cutters

Single Flute O Flute Upcut Spiral Cutter - Metric

- Designed to provide a smooth finish in hard plastic.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-56700	2	8	50	2
20-56704	2	8	64	6
20-56708	2.5	8	50	2.5
20-56712	2.5	8	64	6
20-56716	3	8	50	3
20-56720	3	8	64	6
20-56724	3	12	64	3
20-56728	3	12	64	6
20-56732	4	8	64	4
20-56736	4	12	64	4
20-56740	4	20	64	4
20-56744	4	20	64	6
20-56748	4	30	64	4
20-56752	5	16	64	5
20-56756	5	16	64	6
20-56760	5	30	64	5
20-56764	6	8	64	6
20-56768	6	12	64	6
20-56772	6	20	64	6
20-56776	6	30	76	6
20-56780	6	38	76	6
20-56784	8	25	64	8
20-56788	8	38	76	8
20-56792	10	30	76	10
20-56796	10	35	76	10
20-56800	12	38	76	12

Suitable for: Acrylic, Nylon, PVC, Polycarbonate Solid Surface

Single Flute O Flute Upcut Spiral Cutter - Metric

- Designed to provide a smooth finish in soft plastic.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-56830	2	8	64	6
20-56834	3	8	50	3
20-56838	3	8	64	6
20-56842	3	12	64	3
20-56846	3	12	64	6
20-56850	4	12	64	4
20-56854	4	20	64	6
20-56858	5	16	64	5
20-56862	5	16	64	6
20-56866	6	12	64	6
20-56870	6	20	64	6
20-56874	6	38	76	6
20-56878	8	25	64	8
20-56882	8	38	76	8
20-56886	10	30	76	10
20-56890	12	38	76	12

Suitable for: HDPE, HIPS, UHMW, ABS, Polycarbonate, PE, Polystyrene, Polypropylene, Acetal, Acrylic, PET Solid Surface

Solid Tungsten Cutters

Single Flute O Flute Upcut Spiral Cutter for Acrylic – Imperial

- These tools are designed to cut Acrylics.
- Their unique cutting geometry produces a smooth edge finish regardless whether it is cast or extruded Acrylic.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-56950	1.6	6.35	50	6.35
20-56954	3.2	6.35	50	6.35
20-56958	3.2	12.7	50	6.35
20-56962	4.8	16	50	6.35
20-56966	6.35	9.5	63	6.35
20-56970	6.35	19	63	6.35
20-56974	9.5	28	75	9.5

Suitable for: Acrylic

Single Flute Edge Rounding Cutter

- Designed for rounding the edge of sheets or parts



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Radius (mm)
20-56988	6.35	9.5	63	6.35	3.2
20-58992	6.35	9.5	63	6.35	4.8
20-58996	6.35	9.5	63	6.35	6.4

Suitable for: Soft Plastic, Hard Plastic Solid Surface

Safety Tip

Not sure how to run a cutter? To optimise your cutter's performance, you must use the correct feeds and speeds.

Call Tungsten & Tool; they're experts in this field.



Tungsten Tipped Trim Saws

Tungsten Tipped Trim Blade

- Designed to trim and groove soft plastic.



Part #	Diameter (mm)	Teeth (mm)	Kerf (mm)
20-59020	50	16	2.41
20-59024	63	20	2.41
20-59028	75	20	2.41
20-59032	88	20	2.41
20-59036	100	20	2.41

Suitable for: Soft Plastic

Tungsten Tipped Trim Blade

- Designed to trim and groove hard plastic.



Part #	Diameter (mm)	Teeth (mm)	Kerf (mm)
20-59050	50	16	2.41
20-59054	63	20	2.41
20-59058	75	20	2.41
20-59062	88	20	2.41
20-59066	100	20	2.41

Suitable for: Hard Plastic

For Sawblades for Plastics go to Page 97

Arbors to fit Trim Blades

- Designed to hold the carbide tipped saws.

Part #	Diameter (mm)	OAL (mm)
20-59078	12.7	82
20-59084	12.7	113

Solid Tungsten Cutters

Single Flute O Flute Downcut Super O Cutter – Imperial

- The polished flute allows for razor sharp cutting edge and easy chip evacuation.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-59100	1.6	6.35	50	3.2
20-59104	3.2	12.7	50	6.35
20-59108	4.8	9.5	50	4.8
20-59112	4.8	16	50	6.35
20-59116	6.35	9.5	50	6.35
20-59120	6.35	19	50	6.35
20-59124	6.35	31.7	75	6.35
20-59128	9.5	19	75	9.5
20-59132	9.5	28	75	9.5
20-59136	3	12	50	6
20-59140	6	32	76	6

Suitable for: ● Plastic ● Wood ● Aluminium ● Solid Surface

Solid Tungsten Single Flute O Flute Upcut Super O Cutter – Imperial

- The polished flute allows for razor sharp cutting edge and easy chip evacuation.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]
20-59160	1.6	6.35	50	3.2
20-59164	3.2	6.35	50	6.35
20-59168	3.2	12.7	50	3.2
20-59172	3.2	12.7	50	6.35
20-59176	4.8	16	50	4.8
20-59180	4.8	16	50	6.35
20-59184	4.8	31.7	75	6.35
20-59188	4.8	22	63	6.35
20-59192	6.35	16	50	6.35
20-59196	6.35	22	63	6.35
20-59200	6.35	31.7	75	6.35
20-59204	6.35	38	75	6.35
20-59208	9.5	28	75	9.5
20-59212	2	6	50	3
20-59216	5	16	64	6
20-59220	6	16	64	6
20-59224	10	29	76	10

Suitable for: ● Plastic ● Wood ● Aluminium ● Solid Surface

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Solid Tungsten Cutters

Single Flute O Flute Downcut Spiral Cutter - Imperial

- High speed cutters for aluminium sheet materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59250	1.6	6.35	38	3.2
20-59254	3.2	6.35	38	3.2
20-59258	3.2	6.35	50	6.35
20-59262	3.2	12.7	50	6.35
20-59266	4.8	9.5	50	6.35
20-59270	6.35	9.5	50	6.35
20-59274	6.35	19	63	6.35
20-59278	6.35	31.7	75	6.35
20-59282	9.5	19	75	9.5

Suitable for: Aluminium, plate, single and multi sheet

Single Flute O Flute Upcut Spiral Cutter - Imperial

- High speed cutters for aluminium sheet materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59300	1.6	6.35	38	3.2
20-59304	2.4	6.35	50	3.2
20-59308	3.2	6.35	38	3.2
20-59312	3.2	6.35	50	6.35
20-59316	3.2	12.7	50	6.35
20-59324	4.8	9.5	38	4.8
20-59328	4.8	9.5	50	6.35
20-59332	4.8	16	50	6.35
20-59336	6.35	9.5	50	6.35
20-59340	6.35	19	63	6.35
20-59344	6.35	31.7	75	6.35
20-59348	7.9	14	63	7.9
20-59352	7.9	19	75	12.7
20-59356	8.3	19	75	12.7
20-59360	9.5	19	75	9.5
20-59364	9.5	28	75	9.5
20-59368	9.5	35	88	9.5
20-59372	12.7	28	88	12.7
20-59376	12.7	35	88	12.7

Suitable for: Aluminium, plate, single and multi sheet

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Solid Tungsten Cutters

Single Flute O Flute Upcut Spiral Cutter - Metric

- High speed cutters for aluminium sheet and block materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59400	2	6	64	6
20-59404	2.5	6	64	6
20-59408	3	8	64	6
20-59412	3	12	64	6
20-59416	4	8	64	4
20-59420	4	20	64	6
20-59424	5	16	64	6
20-59428	6	8	64	6
20-59432	6	20	64	6
20-59436	8	25	64	8
20-59440	8	38	76	8
20-59444	10	30	76	10

Suitable for: Aluminium, plate, single and multi sheet

Solid Tungsten Single Flute O Flute Upcut Spiral Cutter Pro Range - Metric

- High speed cutters for aluminium sheet and block materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59450	3	8	6	64
20-59454	4	12	6	64
20-59456	5	10	6	50
20-59458	5	25	8	80
20-59462	6	12	8	64
20-59464	6	16	8	64
20-59466	8	25	8	64
20-59470	10	25	10	120
20-59472	10	35	10	80
20-59474	12	50	12	100

Suitable for: Aluminium, plate, single and multi sheet

Solid Tungsten Cutters

Single Flute Upcut Spiral Cutter for Soft Aluminium & ACM

- These tools are specially designed to cut soft grades of Aluminium and create a good edge and prevent chip rewelding.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59500	4.8	6.35	50	6.35
20-59504	6.35	6.35	50	6.35
20-59508	5	6	64	6
20-59512	6	6	64	6

Suitable for: Soft Aluminium sheet

Solid Tungsten 2 Flute Upcut Spiral Cutter - Metric

- High speed cutters for aluminium sheet and block materials. For use on High-Speed CNC mills, CNC routers and high speed machining centres



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-59600	5	25	5	100
20-59604	8	38	8	100
20-59608	10	38	10	100

Suitable for: Aluminium, plate, single and multi sheet

2 Flute ACM Folding Cutter

- Designed for cutting Aluminium/ Plastic sandwich materials with 90° angle and flat bottom.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Degree Inc	Shank Diameter (mm)
20-04080	18	7	42	90	6.35
20-04082	16	6	56	110	12.7
20-04083	16	5	56	135	12.7

Suitable for: Aluminium Sandwich Materials Plastic Sandwich Materials

Solid Tungsten Cutters

2 Flute Upcut Bottom Surfacing Cutter

- Designed for pocketing applications where the bottom of the pocket must be smooth.



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	CNR Radius [mm]
20-59660	3.2	6.35	50	6.35	0.5
20-59664	3.2	6.35	50	6.35	0.05
20-59668	6.35	9.5	50	6.35	0.76
20-59672	6.35	9.5	50	6.35	0.05
20-59676	9.5	16	63	9.5	0.76
20-59680	9.5	16	63	9.5	0.05
20-59684	12.7	22	75	12.7	0.76
20-59688	12.7	22	75	12.7	0.05

Suitable for: Bottom surfaces for Plastic Aluminium

High Performance Composite Cutter

- Designed for more efficient routing of composite materials, in both hand-fed and in CNC applications.



Burr Point



Drill Point



End Mill Point



No Point

Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Point Style
20-59700	3.2	12.7	38	3.2	No
20-59704	3.2	12.7	38	3.2	Burr
20-59708	3.2	12.7	38	3.2	Endmill
20-59712	3.2	12.7	38	3.2	Drill
20-59716	4.8	16	50	6.35	No
20-59720	4.8	16	50	6.35	Burr
20-59724	4.8	16	50	6.35	Endmill
20-59728	4.8	16	50	6.35	Drill
20-59732	6.35	25.4	75	6.35	No
20-59736	6.35	25.4	75	6.35	Burr
20-59740	6.35	25.4	75	6.35	Endmill
20-59744	6.35	25.4	75	6.35	Drill
20-59748	6.35	38	88	6.35	No
20-59752	6.35	38	88	6.35	Burr
20-59756	6.35	38	88	6.35	Endmill
20-59760	6.35	38	88	6.35	Drill
20-59764	6.35	54	100	6.35	No
20-59768	6.35	54	100	6.35	Burr
20-59772	6.35	54	100	6.35	Endmill
20-59776	6.35	54	100	6.35	Drill
20-59780	9.5	25.4	75	9.5	No
20-59784	9.5	25.4	75	9.5	Burr
20-59788	9.5	25.4	75	9.5	Endmill
20-59792	9.5	25.4	75	9.5	Drill
20-59796	9.5	41.5	88	9.5	No
20-59800	9.5	41.5	88	9.5	Burr
20-59804	9.5	41.5	88	9.5	Endmill
20-59808	9.5	41.5	88	9.5	Drill
20-59812	9.5	54	100	9.5	No
20-59816	9.5	54	100	9.5	Burr
20-59820	9.5	54	100	9.5	Endmill
20-59824	9.5	54	100	9.5	Drill
20-59828	12.7	28	75	12.7	No
20-59832	12.7	28	75	12.7	Burr
20-59836	12.7	28	75	12.7	Endmill
20-59840	12.7	28	75	12.7	Drill

continued on next page

Solid Tungsten Cutters

High Performance
Composite Cutter
(continued)



Part #	Cut Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Point Style
20-59844	12.7	41.4	100	12.7	No
20-59848	12.7	41.4	100	12.7	Burr
20-59852	12.7	41.4	100	12.7	Endmill
20-59856	12.7	41.4	100	12.7	Drill
20-59860	12.7	54	100	12.7	No
20-59864	12.7	54	100	12.7	Burr
20-59868	12.7	54	100	12.7	Endmill
20-59872	12.7	54	100	12.7	Drill
20-59876	12.7	78	125	12.7	No
20-59880	12.7	78	125	12.7	Burr
20-59884	12.7	78	125	12.7	Endmill
20-59888	12.7	78	125	12.7	Drill
20-59892	12.7	104	150	12.7	No
20-59896	12.7	104	150	12.7	Burr
20-59900	12.7	104	150	12.7	Endmill
20-59904	12.7	104	150	12.7	Drill
20-59908	4	16	50	6	No
20-59912	4	16	50	6	Burr
20-59916	4	16	50	6	Endmill
20-59920	4	16	50	6	Drill
20-59924	6	19	75	6	No
20-59928	6	19	75	6	Burr
20-59932	6	19	75	6	Endmill
20-59936	6	19	75	6	Drill
20-59940	6	25	75	6	No
20-59944	6	25	75	6	Burr
20-59948	6	25	75	6	Endmill
20-59952	6	25	75	6	Drill
20-59956	8	25	63	8	No
20-59960	8	25	63	8	Burr
20-59964	8	25	63	8	Endmill
20-59968	8	25	63	8	Drill
20-59972	10	25	75	10	No
20-59976	10	25	75	10	Burr
20-59980	10	25	75	10	Endmill
20-59984	10	25	75	10	Drill
20-59988	12	25	75	12	No
20-59992	12	25	75	12	Burr
20-59996	12	25	75	12	Endmill
20-59998	12	25	75	12	Drill

Suitable for: Composites Fibreglass

Safety Tip

Tungsten carbide tools, while they hold their edge well, dull off very quickly once their initial sharp edge is lost. To ensure the maximum cutter life, have it sharpened as soon as it begins to dull. We will probably have to grind only 1/2 as much away to restore the edge - doubling the tool's life!



Solid Tungsten Cutters

3 Flute Upcut Spiral Cutter for Compact Laminate/Phenolic

- For both low and high spindle speed application in any CNC machining environment.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-60100	9.5	22	75	9.5
20-60104	12.7	28	75	12.7
20-60108	12.7	54	102	12.7
20-60112	10	22	75	10
20-60116	12	28	75	12

Suitable for: Phenolic

3 Flute Downcut Spiral Cutter for Compact Laminate/Phenolic

- For both low and high spindle speed application in any CNC machining environment.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-60150	9.5	22	75	9.5
20-60154	12.7	28	88	12.7
20-60158	12.7	54	113	12.7
20-60162	10	22	75	10
20-60166	12	28	75	12

Suitable for: Phenolic

High Performance Cutter for Carbon Graphite

- The geometry of these tools increase the amount of cutting flutes resulting in superior performance over a standard burr.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-60250	3.2	12.7	50	3.2
20-60254	4.8	16	50	4.8
20-60258	6.35	19	75	6.35
20-60262	6.35	38	75	6.35
20-60266	9.5	28	88	9.5
20-60270	12.7	28	88	12.7
20-60274	12.7	54	100	12.7

Suitable for: Carbon graphite and Carbon fibre panels

Solid Tungsten Cutters

3 Flute V Flute Straight Composite Cutter

- Designed for routing extremely hard materials



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-54980	6.35	19	63	6.35

Suitable for: Composites

Upcut Spiral Taper Cutter

- The taper tools are designed to produce a good edge finish in a variety of materials.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Degree per side
20-60500	3	39	76	6	1
20-60504	3	25	76	6	3
20-60508	3	19	76	6	5
20-60512	3	12	76	6	7
20-60516	6	50	100	12	3
20-60520	6	35	100	12	5
20-60524	6	25	100	12	7

Suitable for: Wood Plastic Aluminium

2 Flute Upcut Spiral Cutter for Stainless Steel

- Special cutting geometry is required to cut stainless steel and achieve decent tool life.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-60550	3.2	6.35	50	3.2
20-60554	4.8	9.5	63	4.8
20-60558	6.35	9.5	63	6.35
20-60562	9.5	12.7	75	9.5

Suitable for: Stainless Steel

Replaceable Knife Cutters

Replaceable Knife Straight Cutter Z1

- Straight Cutter with 1 replaceable knife.
- For finishing, routing and grooving in board materials and solid surface.
- For use in both handheld and CNC operations.



Part #	Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Rotation	Knife Size [mm]
20-38804	10	30	80	12.7	RH	30x5.5x1.1
20-38808	12	30	80	12.7	RH	30x5.5x1.1
20-38832	12	50	103	12.7	RH	50x5.5x1.1
20-38812	12.7	30	80	12.7	RH	30x5.5x1.1
20-38840	12.7	50	103	12.7	RH	50x5.5x1.1
20-2252	14	30	80	12	RH	30x5.5x1.1
20-2256	16	50	100	12	RH	50x5.5x1.1

Suitable for: ● Board Materials ● Solid Surface

Replaceable Knife Straight Cutter Z1+1

- Straight cutter with 1 replaceable side knife and 1 plunge knife.
- For finishing, routing, grooving and plunge cutting in board materials and solid surface.
- For use in both handheld and CNC operations.



Part #	Diameter [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Rotation	Knife Size [mm]
20-38852	16	50	111	12	RH	49.5x12x1.5
20-38876	16	50	111	20	RH	49.5x12x1.5
20-38880	18	50	111	20	RH	49.5x12x1.5
20-38884	20	50	111	20	RH	49.5x12x1.5

Suitable for: ● Board Materials ● Solid Surface

Safety Tip

Whether you're routing wood, plastics, composites, fiberglass, aluminium, GRP or Carbon Fibre, it's essential that you select the right bit for the job.

Call Tungsten & Tool- they're fully qualified to advise you on the safest, best finishing, fastest, quietest and easiest bit to use; whether its Tungsten Carbide, Brazed or Replaceable knife, coated or uncoated, diamond grit, PCD or MCD (diamond tipped).



Replaceable Knife Cutters

Replaceable Knife Alternate Shear Cutter

- Straight cutter with 2 or 4 staggered replaceable knives.
- With alternate shear.
- For high quality finish on double sided laminated panels and Solid Wood.
- For use in CNC routers.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Rotation	Knife Size (mm)
20-1000	16	30	110	25	RH	16X7X1.5
20-1004	16	50	130	20	RH	28x7x1.5
20-1012	16	50	130	25	RH	28x7x1.5
20-1008	16	50	130	25	LH	28x7x1.5
20-1020	18	50	130	25	RH	28x7x1.5
20-1016	18	50	130	25	LH	28x7x1.5
20-1022	20	33	110	20	RH	17.5x7x1.5
20-1023	20	33	110	20	LH	17.5x7x1.5
20-1118	20	33	110	25	RH	17.5x7x1.5
20-1120	20	33	110	25	LH	17.5x7x1.5
20-1122	20	53	125	20	RH	29.5x7x1.5
20-1124	20	53	125	20	LH	29.5x7x1.5
20-1126	20	53	125	25	RH	29.5x7x1.5
20-1128	20	53	125	25	LH	29.5x7x1.5
20-0996	30	75	145	25	RH	40x9x1.5

Suitable for: ● Solid Wood ● Laminated Panels

Replaceable Knife Straight Cutter

- Straight cutter with 2 staggered replaceable knives
- For high quality finish in solid wood, wood composites & laminated panels.
- For use in CNC routers.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Rotation	Knife Size (mm)
20-0940	16	40	107	20	RH	7.5x12x1.5
20-0944	16	40	107	25	RH	7.5x12x1.5
20-0948	18	50	115	20	RH	30x12x1.5
20-0956	18	50	115	25	RH	30x12x1.5
20-0952	18	50	115	25	LH	30x12x1.5
20-0964	20	50	110	25	RH	30x12x1.5
20-0968	20	58	120	20	RH	30x12x1.5
20-0972	20	58	120	25	RH	30x12x1.5

Suitable for: ● Solid Wood ● Wood Composites ● Laminated Panels

Refer to pages 105 - 113
for replacement knives

Replaceable Knife Cutters

Replaceable Knife V Cutter

- For bevelling, grooving, mitre folding & lettering in wood composites, panel boards, solid wood, composites and plastic.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Angle (included)	Knife Size (mm)
20-1672	43	43	115	20	45	60x12x1.5
20-49456	66.7	32.5	96	19	90	46.8x12
20-49460	76	38	110	19	90	54x12
20-43252	52	25	100	20	91	36x12x1.5
20-49466	66.7	33	98	19	91	35x12
20-49474	98	20.6	98	19	130	50x12
20-49478	96	12.7	89	19	150	50x12

Suitable for: ● Solid Wood ● Wood Composites ● Panel Boards ● Composites ● Plastics

Replaceable Knife V Groove Engraving Cutter

- For bevelling, grooving & engraving wood composites, panel boards, solid wood & composites.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Angle (included)	Knife Size (mm)
20-13328	18	6	60	12.7	90	12x12x1.5
20-13324	25	7.5	68	12.7	91	20x12

Suitable for: ● Solid Wood ● Wood Composites ● Panel Boards ● Composites

Replaceable Knife Adjustable Beveller

- For jointing, rebating and chamfering of solid timber and wood composites.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Angles	Knife Size (mm)
20-49484	85	40	92	20	[-45 to +90]	40x12x1.5
20-49496	125	50	114	25	[-75 to +75]	50x12x1.5

Suitable for: ● Solid Wood ● Wood Composites

Replaceable Knife Cutters

Replaceable Knife Ballnose Cutter

- For 3D modelling, grooving on solid timber and wood composites.



Part #	Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
20-49500	24	50	125	20
20-49504	30	50	125	20
20-49508	35	50	125	20
20-49512	40	50	125	20
20-49516	50	50	125	20
20-49520	60	50	125	20
20-49524	80	50	125	20

Suitable for: ● Solid Wood ● Wood Composites

Replaceable Knife Spiral Cutter Head - Rougher / Finisher

- For jointing, profiling and rebate finish cutting in solid wood and MDF
- Leaves unlined finish - ready for a light sand.



Part #	Diameter (mm)	Cut Length (mm)	Flutes	Knife Size (mm)
20-49560	80	60	4	15x15x2.5
20-49564	80	80	4	15x15x2.5
20-49566	100	100	4	15x15x2.5

Suitable for: ● Solid Wood ● MDF

Replaceable Knife Spiral Cutter Head - Rougher

- For jointing, profiling and rebate finish cutting in solid wood.



Part #	Diameter (mm)	Cut Length (mm)	Flutes	Knife Size (mm)
20-49568	100	50	6	14x14x2.0, 15x15x2.5
20-49572	100	75	6	14x14x2.0, 15x15x2.5
20-49576	100	100	6	14x14x2.0, 15x15x2.5
20-49580	100	125	6	14x14x2.0, 15x15x2.5
20-49584	100	155	6	14x14x2.0, 15x15x2.5

Suitable for: ● Solid Wood

PCD Diamond Profile Cutters

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Made exactly to your profile for longlife profile cutting.



Diamond Cutters

PCD Diamond Straight Cutter. Single Use. Z1+1

- For long life use on all CNC routers for cutting, jointing, grooving and rebating.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)
29-1091	8	18	80	12
29-1093	10	20	80	12
29-1094	12	25	78	12
29-1096	12	35	88	12
29-1098	12.7	35	88	12.7
29-1100	16	25	81	16
29-1102	16	35	91	16
29-1092	20	25	85	20
29-2304	20	55	112	20

Suitable for: ● Composites ● Fire rated boards ● Plywood ● Laminated Plywood

PCD Diamond Straight Cutter. Resharpenable. Z2+2

- For long life use on all CNC routers for cutting, jointing, grooving and rebating.



Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Rotation	No. of Tips
29-2568	20	27	87	20	RH	10
29-2572	20	27	87	20	LH	10
29-2576	20	35	96	20	RH	12
29-2580	20	35	96	20	LH	12
29-2584	20	48	110	20	RH	14
29-2588	20	48	110	20	LH	14

Suitable for: ● Composites ● Fire rated boards ● Plywood ● Laminated Plywood

PCD Diamond T Slot Cutter

- For long life use on all CNC routers for cutting the T slot for aluminium extrusion.
- Other sizes also available.



Part #	Diameter (mm)	Cut Length (mm)	Neck Diameter (mm)	Neck Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Type
29-1079	25	8.5	12.7	6.5	70	12.7	Square Tip

Suitable for: ● Composites ● Fire rated boards ● MDF ● Plywood ● Laminated Plywood

PCD Diamond T Slot Cutter

- For long life use on all CNC routers for cutting the T slot for aluminium extrusion.
- Other sizes also available.

For Tungsten T Slotters see Page 19



Part #	Diameter (mm)	Cut Length (mm)	Neck Diameter (mm)	Neck Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Type
29-1080	33.3	8.7	12.7	6.5	76	16	Rounded Tip

Suitable for: ● Composites ● Fire rated boards ● MDF ● Plywood ● Laminated Plywood



Boring & Drilling Tools

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TC Dowell Boring Bits

57mm Long

- Solid Tungsten Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-00031	3	27	57.5	LH
21-00032	3	27	57.5	RH
21-8428	4	30	57.5	LH
21-8432	4	30	57.5	RH
21-8436	5	30	57.5	LH
21-8440	5	30	57.5	RH
21-8444	5.5	30	57.5	LH
21-8448	5.5	30	57.5	RH
21-8452	6	30	57.5	LH
21-8456	6	30	57.5	RH
21-8460	6.3	30	57.5	LH
21-8464	6.3	30	57.5	RH
21-8468	7	30	57.5	LH
21-8472	7	30	57.5	RH
21-8476	8	30	57.5	LH
21-8480	8	30	57.5	RH
21-8484	8.2	30	57.5	LH
21-8488	8.2	30	57.5	RH
21-8492	9	30	57.5	LH
21-8496	9	30	57.5	RH
21-8500	9.5	30	57.5	LH
21-8504	9.5	30	57.5	RH
21-8508	10	30	57.5	LH
21-8512	10	30	57.5	RH
21-8516	10.5	30	57.5	LH
21-8520	10.5	30	57.5	RH
21-8524	11	30	57.5	LH
21-8528	11	30	57.5	RH
21-8532	12	30	57.5	LH
21-8536	12	30	57.5	RH
21-8540	12.7	30	57.5	LH
21-8544	12.7	30	57.5	RH
21-8548	13	30	57.5	LH
21-8552	13	30	57.5	RH
21-8556	14	30	57.5	LH
21-8560	14	30	57.5	RH
21-8564	15	30	57.5	LH
21-8568	15	30	57.5	RH
21-8572	16	30	57.5	LH
21-8576	16	30	57.5	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Dowell Boring Bits

70mm Long

- Solid Tungsten Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-10132	3	35	70	LH
21-10136	3	35	70	RH
21-8580	4	43	70	LH
21-8584	4	43	70	RH
21-8588	5	43	70	LH
21-8592	5	43	70	RH
21-8596	5.5	43	70	LH
21-8600	5.5	43	70	RH
21-8604	6	43	70	LH
21-8608	6	43	70	RH
21-8612	6.3	43	70	LH
21-8616	6.3	43	70	RH
21-8620	7	43	70	LH
21-8624	7	43	70	RH
21-8628	7.5	43	70	LH
21-8632	7.5	43	70	RH
21-8636	8	43	70	LH
21-8640	8	43	70	RH
21-8644	8.2	43	70	LH
21-8648	8.2	43	70	RH
21-8652	9	43	70	LH
21-8656	9	43	70	RH
21-8660	9.5	43	70	LH
21-8664	9.5	43	70	RH
21-8668	10	43	70	LH
21-8672	10	43	70	RH
21-8676	10.5	43	70	LH
21-8680	10.5	43	70	RH
21-8684	11	43	70	LH
21-8688	11	43	70	RH
21-8692	12	43	70	LH
21-8696	12	43	70	RH
21-8700	12.7	43	70	LH
21-8704	12.7	43	70	RH
21-8708	13	43	70	LH
21-8712	13	43	70	RH
21-8716	14	43	70	LH
21-8720	14	43	70	RH
21-8724	15	43	70	LH
21-8728	15	43	70	RH
21-8732	16	43	70	LH
21-8736	16	43	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Dowell Boring Bits

57mm Long. HP Range

- Tungsten Tipped Boring Bits for drilling clean blind holes.
- Special Micro tungsten for better, longer lasting performance in abrasive materials



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-9988	5	27	57.5	LH
21-9992	5	27	57.5	RH
21-9996	6	27	57.5	LH
21-10000	6	27	57.5	RH
21-10002	7	27	57.5	LH
21-10003	7	27	57.5	RH
21-10004	8	27	57.5	LH
21-10008	8	27	57.5	RH
21-10009	9	27	57.5	LH
21-10010	9	27	57.5	RH
21-10012	10	27	57.5	LH
21-10016	10	27	57.5	RH
21-10020	12	27	57.5	LH
21-10024	12	27	57.5	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

70mm Long. HP Range

- Tungsten Tipped Boring Bits for drilling clean blind holes.
- Special Micro tungsten for better, longer lasting performance in abrasive materials



HP
specially ground tips combined with special carbide for max performance in difficult materials.

Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-10028	5	35	70	LH
21-10032	5	35	70	RH
21-10036	6	35	70	LH
21-10040	6	35	70	RH
21-10041	7	35	70	LH
21-10042	7	35	70	RH
21-10044	8	35	70	LH
21-10048	8	35	70	RH
21-10050	9	35	70	LH
21-10051	9	35	70	RH
21-10052	10	35	70	LH
21-10056	10	35	70	RH
21-10060	12	35	70	LH
21-10064	12	35	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

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TCT Dowell Boring Bits

77mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-9812	5	44	77	LH
21-9816	5	44	77	RH
21-9828	6	44	77	LH
21-9832	6	44	77	RH
21-9836	7	44	77	LH
21-9840	7	44	77	RH
21-9844	8	44	77	LH
21-9848	8	44	77	RH
21-9852	9	44	77	LH
21-9856	9	44	77	RH
21-9860	10	44	77	LH
21-9864	10	44	77	RH
21-9868	12	44	77	LH
21-9872	12	44	77	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

85mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-8388	5	50	85	LH
21-8392	5	50	85	RH
21-8396	6	50	85	LH
21-8400	6	50	85	RH
21-8404	8	50	85	LH
21-8408	8	50	85	RH
21-8412	10	50	85	LH
21-8416	10	50	85	RH
21-8420	12	50	85	LH
21-8424	12	50	85	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

90mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-9948	5	55	90	LH
21-9952	5	55	90	RH
21-9956	6	55	90	LH
21-9960	6	55	90	RH
21-9964	8	55	90	LH
21-9968	8	55	90	RH
21-9972	10	55	90	LH
21-9976	10	55	90	RH
21-9980	12	55	90	LH
21-9984	12	55	90	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Dowell Boring Bits

105mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-9908	5	70	105	LH
21-9912	5	70	105	RH
21-9916	6	70	105	LH
21-9920	6	70	105	RH
21-9922	7	70	105	LH
21-9923	7	70	105	RH
21-9924	8	70	105	LH
21-9928	8	70	105	RH
21-9932	10	70	105	LH
21-9936	10	70	105	RH
21-9940	12	70	105	LH
21-9944	12	70	105	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT M8 Threaded Dowell Boring Bits

77mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-6068	5	43	77	LH
21-6064	5	43	77	RH
21-6076	6	43	77	LH
21-6072	6	43	77	RH
21-6084	8	43	77	LH
21-6080	8	43	77	RH
21-6092	10	43	77	LH
21-6088	10	43	77	RH
21-6100	12	43	77	LH
21-6096	12	43	77	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT M10 Threaded Dowell Boring Bits

70mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean blind holes.



Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-9536	5	40	70	LH
21-9548	5	40	70	RH
21-9560	6	40	70	LH
21-9572	6	40	70	RH
21-9584	8	40	70	LH
21-9596	8	40	70	RH
21-9608	10	40	70	LH
21-9620	10	40	70	RH
21-9632	12	40	70	LH
21-9644	12	40	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Hinge Boring Bits

57mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean blind holes.



Part #	Cut Diameter [mm]	OAL [mm]	Rotation
21-7850	14	57.5	LH
21-7851	14	57.5	RH
21-7852	15	57.5	LH
21-7856	15	57.5	RH
21-7860	16	57.5	LH
21-7864	16	57.5	RH
21-7866	17	57.5	LH
21-7867	17	57.5	RH
21-7868	18	57.5	LH
21-7872	18	57.5	RH
21-7874	19	57.5	LH
21-7875	19	57.5	RH
21-7876	20	57.5	LH
21-7880	20	57.5	RH
21-7884	22	57.5	LH
21-7888	22	57.5	RH
21-7892	24	57.5	LH
21-7896	24	57.5	RH
21-7900	25	57.5	LH
21-7904	25	57.5	RH
21-7908	26	57.5	LH
21-7912	26	57.5	RH
21-7916	28	57.5	LH
21-7920	28	57.5	RH
21-7924	30	57.5	LH
21-7928	30	57.5	RH
21-7932	32	57.5	LH
21-7936	32	57.5	RH
21-7940	34	57.5	LH
21-7944	34	57.5	RH
21-7948	35	57.5	LH
21-7952	35	57.5	RH
21-7956	36	57.5	LH
21-7960	36	57.5	RH
21-7964	38	57.5	LH
21-7968	38	57.5	RH
21-7972	40	57.5	LH
21-7976	40	57.5	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Hinge Boring Bits

70mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean blind holes.



Part #	Cut Diameter [mm]	OAL [mm]	Rotation
21-8146	14	70	LH
21-8147	14	70	RH
21-8148	15	70	LH
21-8152	15	70	RH
21-8156	16	70	LH
21-8160	16	70	RH
21-8162	18	70	LH
21-8163	18	70	RH
21-8164	20	70	LH
21-8168	20	70	RH
21-8170	22	70	LH
21-8171	22	70	RH
21-8172	25	70	LH
21-8176	25	70	RH
21-8180	26	70	LH
21-8184	26	70	RH
21-8188	30	70	LH
21-8192	30	70	RH
21-8196	35	70	LH
21-8200	35	70	RH
21-8202	40	70	LH
21-8203	40	70	RH
21-8205	54	75	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TC Ultra Fast Hinge Boring Bits

70mm Long

- Tungsten Tipped Boring Bits with Solid Carbide Tip for drilling fast, accurate and clean blind holes with long life tungsten
- Very fast drilling.



Part #	Cut Diameter [mm]	OAL [mm]	Rotation
21-10276	15	70	LH
21-10280	15	70	RH
21-10284	20	70	LH
21-10288	20	70	RH
21-10292	25	70	LH
21-10296	25	70	RH
21-10300	30	70	LH
21-10304	30	70	RH
21-10308	35	70	LH
21-10312	35	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT Thru Boring Bits

58mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean through holes.



Part #	Cut Diameter (mm)	Drill Depth (mm)	OAL (mm)	Rotation
21-9124	4	25	58	LH
21-9128	4	25	58	RH
21-9132	5	25	58	LH
21-9136	5	25	58	RH
21-9140	6	25	58	LH
21-9144	6	25	58	LH
21-9148	6.35	25	58	RH
21-9152	6.35	25	58	LH
21-9156	7	25	58	RH
21-9160	7	25	58	LH
21-9164	8	25	58	LH
21-9168	8	25	58	RH
21-9172	9	25	58	LH
21-9176	9	25	58	RH
21-9180	10	25	58	LH
21-9184	10	25	58	RH
21-9188	12	25	58	LH
21-9192	12	25	58	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

70mm Long

- Tungsten Tipped Boring Bits for drilling accurate and clean through holes.



Part #	Cut Diameter (mm)	Drill Depth (mm)	OAL (mm)	Rotation
21-10264	3	35	70	LH
21-10268	3	35	70	RH
21-9436	4	35	70	LH
21-9440	4	35	70	RH
21-9442	4.7	35	70	LH
21-9443	4.7	35	70	RH
21-9444	5	35	70	LH
21-9448	5	35	70	RH
21-9452	5.5	35	70	LH
21-9456	5.5	35	70	RH
21-9460	6	35	70	LH
21-9464	6	35	70	RH
21-9468	6.3	35	70	LH
21-9472	6.3	35	70	RH
21-9476	7	35	70	LH
21-9480	7	35	70	RH
21-9484	8	35	70	LH
21-9488	8	35	70	RH
21-9492	9	35	70	LH
21-9496	9	35	70	RH
21-9500	9.5	35	70	LH
21-9504	9.5	35	70	RH
21-9508	10	35	70	LH
21-9512	10	35	70	RH
21-9516	11	35	70	LH
21-9520	11	35	70	RH
21-9524	12	35	70	LH
21-9528	12	35	70	RH
21-9530	12.7	35	70	LH
21-9531	12.7	35	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

TCT HP Thru Boring Bits

70mm Long

- Tungsten Tipped Boring Bits for drilling fast, accurate and clean through holes with long life tungsten.



Special carbide geometry for drilling in difficult materials.

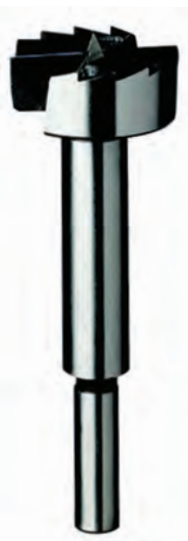
Part #	Cut Diameter [mm]	Drill Depth [mm]	OAL [mm]	Rotation
21-10068	5	43	70	LH
21-10072	5	43	70	RH
21-10076	6	43	70	LH
21-10080	6	43	70	RH
21-10084	8	43	70	LH
21-10088	8	43	70	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

SP Forstner Bits

90mm Long

- Forstner Bits for drilling precise flat bottom holes in solid wood.



Part #	Cut Diameter [mm]	OAL [mm]	Shank Diameter [mm]
22-24872	6.3	90	9.5
22-24876	9.5	90	9.5
22-24880	10	90	8
22-24884	12	90	8
22-24888	12.7	90	9.5
22-24892	14	90	8
22-24896	15	90	8
22-24900	15.8	90	9.5
22-24904	16	90	8
22-24908	18	90	8
22-24912	19	90	9.5
22-24916	20	90	8
22-24920	22	90	8
22-24924	22.2	90	9.5
22-24928	24	90	8
22-24932	25	90	8
22-24936	25.4	90	9.5
22-24940	26	90	8
22-24944	28	90	8
22-24948	28.5	90	9.5
22-24952	30	90	8
22-24956	31.7	90	9.5
22-24960	32	90	10
22-24964	34.9	90	9.5
22-24968	35	90	10
22-24972	38	90	10
22-24976	38.1	90	9.5
22-24980	40	90	10
22-24984	41.3	90	9.5
22-24988	44.5	90	9.5
22-24992	45	90	10
22-24996	47.6	90	9.5
22-25000	50	90	10
22-25004	50.8	90	9.5
22-25008	54	90	9.5
22-25012	55	90	10

Suitable for: ● Solid Wood

Industrial Plug Cutters - Metric

- For creating plugs in hard and soft woods



Part #	Cut Diameter (mm)	OAL (mm)	Shank Diameter (mm)
22-24708	8	140	13
22-24716	10	140	13
22-24720	12	140	13
22-24728	14	140	13
22-24732	15	140	13
22-24740	16	140	13
22-24744	18	140	13
22-24752	20	140	13
22-24754	22	140	13
22-24760	25	140	13
22-24768	30	140	13
22-24770	32	160	16
22-24780	35	160	16
22-24784	40	160	16
22-24786	45	160	16
22-24790	50	160	16

Suitable for: Hard Wood and Soft Wood

Industrial Plug Cutters - Imperial

- For creating plugs in hard and soft woods



Part #	Cut Diameter (mm)	OAL (mm)	Shank Diameter (mm)
22-24712	9.5	140	12.7
22-24724	12.7	140	12.7
22-24736	15.8	140	12.7
22-24748	19.1	140	12.7
22-24756	22.2	140	12.7
22-24764	25.4	140	12.7
22-24772	31.7	160	12.7
22-24776	34.9	160	15.9
22-24778	38.1	160	15.9
22-24788	41.3	160	15.9
22-24792	44.5	160	15.9
22-24796	50.8	160	15.9

Suitable for: Hard Wood and Soft Wood

TCT Countersinks for Dowell Drills

- Countersinks for drilling and chamfering.



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Length [mm]	Rotation
22-29752	4	14	12	LH
22-29756	4	14	12	RH
22-29760	5	14	12	LH
22-29764	5	14	12	RH
22-29768	6	16	14	LH
22-29772	6	16	14	RH
22-29776	6.3	16	14	LH
22-29780	6.3	16	14	RH
22-29784	7	16	14	LH
22-29788	7	16	14	RH
22-29792	8	16	16	LH
22-29796	8	16	16	RH
22-29800	9	18	16	LH
22-29804	9	18	16	RH
22-29808	9.5	20	16	LH
22-29812	9.5	20	16	RH
22-29816	10	20	18	LH
22-29820	10	20	18	RH
22-29824	11	20	18	LH
22-29828	11	20	18	RH
22-29832	12	20	18	LH
22-29836	12	20	18	RH

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

Drill and Tungsten Countersink Bits

- For drilling and chamfering.



Part #	Drill Diameter [mm]	CSK Diameter [mm]	OAL [mm]	Shank Diameter [mm]
22-15840	2.4	9	52	8
22-15844	3.2	10	70	8
22-15848	4	11	73	8
22-15852	4.4	11	80	8
22-15856	5	12	82	8
22-15858	5	16	92	10
22-15860	6.3	13	101	10

Suitable for: ● Solid Wood ● Wood Composites ● Laminated Materials

Three Flute HSSE Countersinks

- Three Flute Countersinks for drilling in aluminium and plastics
- 90 degrees.



Part #	Cut Diameter [mm]	CSK Length [mm]	OAL [mm]	Shank Diameter [mm]
22-26252	12.4	4	55	8
22-26268	19	5	65	10

Suitable for: Aluminium Plastics Solid Wood

HSS Countersinks

- Countersinks with through holes for use in aluminium and steel.
- 82 degrees.



Part #	Cut Diameter [mm]	CSK Length [mm]	OAL [mm]
22-26291	8.7	3.7	55
22-26289	9.9	4	55
22-26290	13.5	4.8	55

Suitable for: Aluminium Plastics

TC Stub Drills

- Solid Tungsten Stub Drills for clean holes.
- Long life tungsten.



Part #	Cut Diameter [mm]	Flute Length [mm]	OAL [mm]
25-0496	3	16	46
25-0500	3.5	20	52
25-0504	4	22	55
25-0508	4.2	22	55
25-0512	4.5	24	58
25-0516	5	26	62
25-0520	5.1	26	62
25-0524	5.5	28	66
25-0528	6	28	66
25-0532	6.5	31	70
25-0536	6.8	34	74
25-0540	7	34	74
25-0544	7.5	34	74
25-0548	8	37	79
25-0552	8.5	37	79
25-0556	9	40	84
25-0560	9.5	40	84
25-0564	10	43	89
25-0568	10.5	43	89

Suitable for: Wood Composites Steel Composites

TC Jobber Drills

- Solid Tungsten Jobber Drills for clean holes.
- Long life tungsten.



Part #	Cut Diameter [mm]	Flute Length [mm]	OAL [mm]
25-0601	4.2	43	75
25-0602	5	52	86
25-0603	5.1	52	86
25-0604	6	57	93
25-0605	6.5	63	101
25-0606	6.8	69	109
25-0608	8	75	117
25-0612	8.5	75	117
25-0616	10	87	133
25-0620	12	101	151

Suitable for: Wood Composites Steel Composites

HSS Jobber Drills

- M2 HSS Jobber Drills for clean drilling.



Part #	Cut Diameter (mm)	Flute Length (mm)	OAL (mm)
25-0640	1	12	34
25-0643	1.5	18	40
25-0646	2	24	49
25-0649	2.5	30	57
25-0652	3	36	61
25-0655	3.3	36	65
25-0657	3.5	39	70
25-0660	4	43	75
25-0663	4.2	43	75
25-0666	4.5	47	80
25-0669	5	52	86
25-0672	5.3	52	86
25-0675	5.5	57	93
25-0678	6	57	93
25-0681	6.3	63	101
25-0684	6.5	63	101
25-0687	6.8	69	109
25-0690	7	69	109
25-0693	7.5	69	109
25-0696	8	75	117
25-0699	8.5	75	117
25-0702	9	81	125
25-0705	9.5	81	125
25-0708	10	87	133
25-0711	10.2	87	133
25-0714	10.5	87	133
25-0717	11	94	142
25-0720	11.5	94	142
25-0723	12	101	151
25-0726	12.3	101	151
25-0729	12.5	101	151
25-0732	13	101	151

Suitable for: Solid Wood Wood Composites Steel
 Composites

HSS Dowell Point Drills

- HSS Drills with dowell point for clean blind holes.



Part #	Cut Diameter (mm)	Flute Length (mm)	OAL (mm)
22-24556	3	33	61
22-24564	4	43	75
22-24572	5	52	86
22-24580	6	57	92
22-24588	7	69	109
22-24596	8	75	117
22-24604	9	80	123
22-24612	10	84	133
22-24620	11	89	142
22-24628	12	93	151
22-24636	13	93	151
22-24644	14	93	151
22-24652	15	100	160
22-24660	16	100	160

Suitable for: Solid Wood

Industrial TCT Holesaws

- Premium Heavy Duty Tungsten Tipped Holesaws with fixed shaft for clean, fast drilling
- For use in all materials including fibreboard, carbon fibre, composites and stainless. Not for use on concrete and ceramics.



Part #	Cut Diameter [mm]	Boring Depth [mm]	Shank Diameter [mm]
33-3388	16	42	10
33-3390	17	42	10
33-3392	18	42	10
33-3396	19	42	10
33-3400	20	42	10
33-3404	21	42	10
33-3408	22	42	10
33-3412	23	42	10
33-3416	24	42	10
33-3420	25	42	10
33-3424	26	42	10
33-3426	27	42	10
33-3428	28	42	10
33-3432	29	42	10
33-3436	30	42	10
33-3440	32	42	10
33-3444	35	42	10
33-3346	36	42	10
33-3448	38	42	10
33-3452	40	42	10
33-3456	44	42	10
33-3460	45	42	10
33-3464	48	42	10
33-3468	50	42	10
33-3472	51	42	10
33-3476	55	42	10
33-3478	57	42	10
33-3480	60	42	10
33-3484	63.5	42	10
33-3488	65	42	10
33-3492	68	42	10
33-3496	70	42	10
33-3500	76	42	10
33-3502	80	42	10
33-3504	85	42	10
33-3506	86	42	10
33-3508	89	42	10
33-3510	90	42	10
33-3512	95	42	10
33-3516	100	42	10
33-3520	105	42	10
33-3524	110	42	10
33-3528	125	42	10
33-3532	127	42	10
33-3536	140	42	10
33-3540	146	42	10
33-3544	150	42	10

Suitable for: ● Solid Wood ● Wood Composites ● Steel
● Aluminium ● Composites

Bi-Metal Holesaws

- Cobalt Bi Metal Holesaws for clean, fast drilling in steel and wood
- 35mm boring depth.



Part #	Cut Diameter (mm)
33-1560	14
33-1564	16
33-1568	17
33-1572	19
33-1576	20
33-1580	21
33-1584	22
33-1588	24
33-1592	25
33-1596	27
33-1600	29
33-1604	30
33-1608	32
33-1612	33
33-1616	35
33-1620	37
33-1624	38
33-1628	40
33-1632	41
33-1636	43
33-1640	44
33-1644	45
33-1648	46
33-1652	48
33-1656	50
33-1660	51
33-1664	52
33-1668	54
33-1672	55
33-1676	57
33-1680	59
33-1684	60
33-1688	64
33-1692	65
33-1696	67
33-1700	68
33-1704	70
33-1708	73
33-1712	75
33-1716	76
33-1720	79
33-1724	83
33-1728	86
33-1732	89
33-1736	92
33-1740	95
33-1744	98
33-1748	100
33-1752	102
33-1756	105
33-1760	108
33-1764	111
33-1768	114
33-1772	121
33-1776	127
33-1780	140
33-1784	146
33-1788	152

Suitable for: ● Solid Wood ● Steel ● Aluminium

Mortise Chisel and Bit Sets

- Premium HSS Mortise Chisel and Bit Sets for mortise and tenon joints.



Part #	Cut Diameter (mm)
22-28500	6.35
22-28502	12.7
22-28504	15.8
22-28508	19

Suitable for:  Solid Wood

Reciprocating HSS Slot Mortise Bits

- Four Flute Reciprocating Slot Mortise Bits for clean mortise slots.



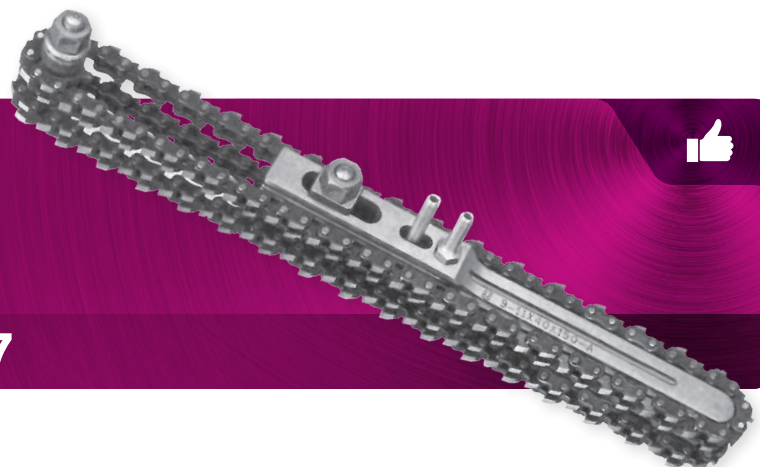
Part #	Cut Diameter (mm)	Cut Length (mm)	OAL (mm)
22-23504	6	45	100
22-23512	8	45	100
22-23516	9	45	100
22-23520	10	55	110
22-23532	13	55	110

Suitable for:  Solid Wood

Mortise Chains, Bars,
Sprockets as available

Give the team a call on:

TOLL FREE 0800 488 647



Boring Bit Adaptors

- M8 Boring Bit Adaptors for flatted shank drills.



Part #	Inside Diameter (mm)	Outside Diameter (mm)	Rotation
27-3068	10	19.5	RH
27-3072	10	19.5	LH

- M10 Boring Bit Adaptors for flatted shank drills.



Part #	Inside Diameter (mm)	Outside Diameter (mm)	Rotation
27-3084	10	19.5	RH
27-3088	10	19.5	LH

Twist Drill Adaptors

- Twist Drill Adaptors for jobber drills.



Part #	Inside Diameter (mm)	Outside Diameter (mm)	OAL (mm)
27-4528	2	10	25
27-4532	2.5	10	25
27-4536	3	10	25
27-4540	3.5	10	25
27-4544	4	10	25
27-4548	4.5	10	25
27-4552	5	10	25

Shank Twist Drill Adaptors

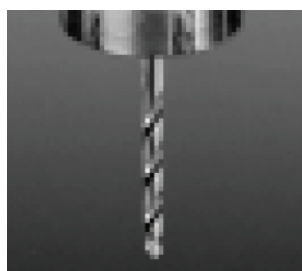
- Twist Drill Adaptors for jobber drills with shank.



Part #	Inside Diameter [mm]	Shank Diameter [mm]	OAL [mm]	Shank Length [mm]
27-3184	2	10	38	20
27-3188	2.5	10	38	20
27-3192	3	10	38	20
27-3196	3.2	10	38	20
27-3200	3.5	10	38	20
27-3204	4	10	38	20
27-3208	4.5	10	38	20
27-3212	5	10	38	20

HSS Drill for Plastics

- HSS Drills to produce clean holes in plastic, eliminating edge chipping and chip wrapping.



Part #	Cut Diameter [mm]	Flute Length [mm]	OAL [mm]
22-22532	3	41	70
22-22536	3.5	44	73
22-22540	4	54	83
22-22544	4.5	56	86
22-22548	5	62	92
22-22552	5.5	64	95
22-22556	6	70	102
22-22560	6.5	73	105
22-22564	7	73	105
22-22568	7.5	78	111
22-22572	8	81	114
22-22576	8.5	87	121
22-22580	9	89	124
22-22584	9.5	92	127
22-22588	10	95	130
22-22592	10.5	98	133
22-22596	11	103	140
22-22600	11.5	106	143
22-22604	12	111	149
22-22608	12.5	114	152
22-22612	13	114	152
22-22616	13.5	122	168
22-22620	14	122	168
22-22624	14.5	122	168
22-22628	15	132	181
22-22632	15.5	132	181
22-22636	16	132	181
22-22640	16.5	132	181
22-22644	17	143	194
22-22648	17.5	143	194

Suitable for: Hard and Soft Plastics

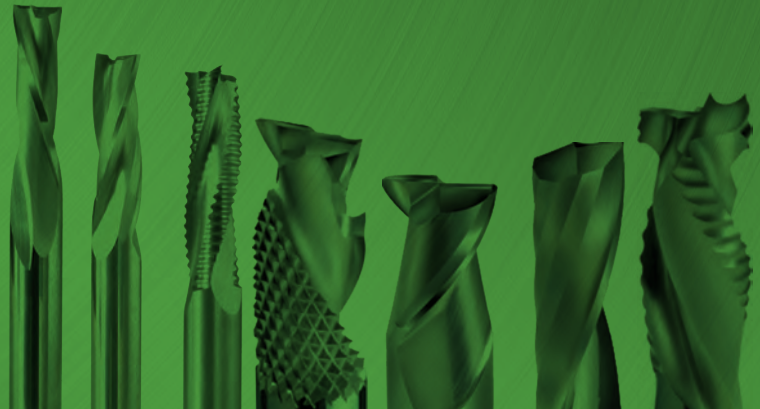


Toolholding Systems for CNC's

Toolholders.....	79
Collets.....	82

Delivered AM Sharp!

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



HSK Taper

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Part #	Taper Type	Collet Type
27-00040	HSK63F	ER32
27-00045	HSK63F	ER40
27-00050	HSK63F	462E

ISO Taper

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Part #	Taper Type	Collet Type
27-00055	ISO20	ER16
27-00060	ISO25	ER20
27-00065	ISO30	ER25
27-00070	ISO30	ER32
27-00075	ISO30	ER40
27-00080	ISO30	462E

ISO Taper with Teeth

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Part #	Taper Type	Collet Type
27-00083	ISO30	ER32

ISO Taper for Mityboy

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Part #	Taper Type	Collet Type
27-00085	ISO30	ER32

Tribos Power Shrinking System



Dedicated Diameter Mechanical Shrink

- Accurate – less than .003 TIR. Up to 40,000 rpm
- No moving parts. Very quiet operation
- Tools run smoother with less strain on expensive spindle bearings
- Faster feed speeds, better finish, quieter.
- Ideal for disposable knife tooling.
- ISO and HSK interface

Tendo Hydraulic Clamping Chuck



Hydro Grip

- Full hydro grip function.
- Excellent vibration damping up to 25,000 RPM.
- Dedicated diameter. Full periphery grip on tool shank. Tighten with allen key
- HSK interface

Sino Expansion Chuck



Mechanical Hydro Grip

- Accurate – less than .005 TIR. Up to 25,000 rpm
- Full periphery grip on tool shank
- Flexible clamping range.
- Suitable for solid carbide Tools
- HSK interface

Heat Shrink Chucks



Heat Shrink

- Accurate – less than .003 TIR. Over 40,000 rpm
- No moving parts – 1 pce construction
- Full periphery grip.
- Very quiet, smooth operation
- ISO and HSK interfaces

Mounting Arbor

- For extreme precision and reliability.
- Made from extremely high resistant steel.



Part #	Taper Type	Shaft Diameter [mm]	Shaft Length [mm]
27-00200	HSK63F	30	100
27-00205	HSK63F	35	100
27-00210	HSK63F	40	100
27-00215	ISO30	30	100

Sawblade Mounting Arbor

- For extreme precision and reliability.
- Made from extremely high resistant steel.



Part #	Shank Diameter [mm]	OAL [mm]
27-00220	20	97.5

Extension Arbors with External Nut

- For extreme precision and reliability.
- For use on CNC routers



Part #	Shank Diameter [mm]	OAL [mm]	Collet Type
27-00300	10	180	ER8M
27-00305	12	80	ER16M
27-00310	16	140	ER16M
27-00315	20	100	ER16M
27-00320	20	140	ER20M
27-00325	20	60	ER20M
27-00330	20	120	ER20M
27-00335	20	150	ER20M
27-00340	20	100	ER25M
27-00345	20	50	ER32
27-00350	20	100	ER32
27-00355	25	50	ER25

Extension Arbors with Internal Collet

- For extreme precision and reliability.
- Tapered nose for improved access in tight situations.



Part #	Shank Diameter [mm]	Small End Diameter [mm]	OAL [mm]	Collet Type	Shank Gripping Range [mm]
27-00365	16	12	120	SBL6	3 - 6.5
27-00370	16	12	200	SBL6	3 - 6.5
27-00375	20	12	120	SBL6	3 - 6.5
27-00380	20	12	150	SBL6	3 - 6.5
27-00385	20	12	200	SBL6	3 - 6.5
27-00387	25	14	200	SBL6	3 - 6.5
27-00390	25	22	120	SBL12	6 - 12
27-00395	25	22	200	SBL12	6 - 12

Precision Collets

ER16

- For precision and reliability.
- For chuck capacity up to 10mm



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance
27-16010	1	17	1 - 0.5mm
27-16020	2	17	2 - 1mm
27-16030	3	17	3 - 2mm
27-16040	4	17	4 - 3mm
27-16050	5	17	5 - 4mm
27-16060	6	17	6 - 5mm
27-16070	7	17	7 - 6mm
27-16080	8	17	8 - 7mm
27-16090	9	17	9 - 8mm
27-16100	10	17	10 - 9mm

ER20

- For precision and reliability.
- For chuck capacity up to 12mm



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance
27-20020	2	21	2 - 1mm
27-20030	3	21	3 - 2mm
27-20040	4	21	4 - 3mm
27-20050	5	21	5 - 4mm
27-20060	6	21	6 - 5mm
27-20064	6.4	21	6.4 - 5.4mm
27-20070	7	21	7 - 6mm
27-20080	8	21	8 - 7mm
27-20090	9	21	9 - 8mm
27-20100	10	21	10 - 9mm
27-20110	11	21	11 - 10mm
27-20120	12	21	12 - 11mm
27-20127	12.7	21	12.7 - 11.7mm
27-20130	13	21	13 - 12mm

Precision Collets

ER25

- For precision and reliability.
- For chuck capacity up to 16mm



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance
27-25020	2	26	2 - 1mm
27-25030	3	26	3 - 2mm
27-25040	4	26	4 - 3mm
27-25050	5	26	5 - 4mm
27-25060	6	26	6 - 5mm
27-25070	7	26	7 - 6mm
27-25080	8	26	8 - 7mm
27-25090	9	26	9 - 8mm
27-25100	10	26	10 - 9mm
27-25110	11	26	11 - 10mm
27-25120	12	26	12 - 11mm
27-25130	13	26	13 - 12mm
27-25140	14	26	14 - 13mm
27-25150	15	26	15 - 14mm
27-25160	16	26	16 - 15mm

ER32

- For precision and reliability.
- For chuck capacity up to 20mm



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance
27-32020	2	32.8	2 - 1mm
27-32025	2.5	32.8	2.5 - 1.5mm
27-32030	3	32.8	3 - 2mm
27-32040	4	32.8	4 - 3mm
27-32050	5	32.8	5 - 4mm
27-32060	6	32.8	6 - 5mm
27-32070	7	32.8	7 - 6mm
27-32080	8	32.8	8 - 7mm
27-32100	10	32.8	10 - 9mm
27-32120	12	32.8	12 - 11mm
27-32130	13	32.8	13 - 12mm
27-32140	14	32.8	14 - 13mm
27-32160	16	32.8	16 - 15mm
27-32180	18	32.8	18 - 17mm
27-32190	19	32.8	19 - 18mm
27-32200	20	32.8	20 - 19mm

Replace your collets every 400 - 600 working hours for greater accuracy and longer lasting cutters.

Precision Collets

ER40

- For precision and reliability.
- For chuck capacity up to 25mm



Part #	Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance
27-40040	4	40.8	4 - 3mm
27-40050	5	40.8	5 - 4mm
27-40060	6	40.8	6 - 5mm
27-40070	7	40.8	7 - 6mm
27-40080	8	40.8	8 - 7mm
27-40100	10	40.8	10 - 9mm
27-40120	12	40.8	12 - 11mm
27-40130	13	40.8	13 - 12mm
27-40140	14	40.8	14 - 13mm
27-40160	16	40.8	16 - 15mm
27-40180	18	40.8	18 - 17mm
27-40190	19	40.8	19 - 18mm
27-40200	20	40.8	20 - 19mm
27-40250	25	40.8	25 - 24mm

Ultra Precision Collets

ER32

- For extreme precision and reliability.
- Twice as accurate.



Part #	Inside Diameter	Outside Diameter [mm]	Clamping Tolerance
27-42101	1/4"	32.8	1/4" [6.35mm]
27-42104	3/8"	32.8	3/8" [9.52mm]
27-42108	7/16"	32.8	7/16" [11.1mm]
27-42112	1/2"	32.8	1/2" [12.7mm]
27-42116	6	32.8	6mm
27-42120	8	32.8	8mm
27-42124	10	32.8	10mm

Ultra Precision Collets

ER40

- For extreme precision and reliability.
- Twice as accurate.



Part #	Inside Diameter	Outside Diameter [mm]	Clamping Tolerance
27-42128	1/4"	40.8	1/4" [6.35mm]
27-42132	3/8"	40.8	3/8" [9.52mm]
27-42136	1/2"	40.8	1/2" [12.7mm]

Ultra Precision Collets

462E

- For extreme precision and reliability.



Part #	Inside Diameter	Outside Diameter [mm]	Length [mm]	Clamping Tolerance
27-44000	3	33.6	52	3 - 2.5mm
27-44004	4	33.6	52	4 - 3.5mm
27-44008	5	33.6	52	5 - 4.5mm
27-44012	6	33.6	52	6 - 5.5mm
27-44016	1/4"	33.6	52	6.35 - 5.85mm
27-44020	8	33.6	52	8 - 7.5mm
27-44024	3/8"	33.6	52	9.52 - 9.02mm
27-44028	10	33.6	52	10 - 9.5mm
27-44032	12	33.6	52	12 - 11.5mm
27-44036	1/2"	33.6	52	12.7 - 12.2mm
27-44040	16	33.6	52	16 - 15.5mm
27-44044	18	33.6	52	18 - 17.5mm
27-44048	20	33.6	52	20 - 19.5mm
27-44052	25	33.6	52	25 - 24.5mm

Precision Collets

EOC12

- For precision and reliability.



Part #	Inside Diameter	Outside Diameter [mm]	Length [mm]	Clamping Tolerance
27-44062	1/8"	19	34.2	3.17 - 2.17mm
27-44066	3/16"	19	34.2	4.76 - 3.76mm
27-44070	5	19	34.2	5 - 4mm
27-44074	6	19	34.2	6 - 5mm
27-44078	1/4"	19	34.2	6.35 - 5.35mm
27-44082	8	19	34.2	8 - 7mm
27-44086	12	19	34.2	12 - 11mm
27-44090	1/2"	19	34.2	12.7 - 11.7mm

Power Clamping Nuts

- Special coated surface, twice as accurate as standard collet nuts.



Part #	Inside Diameter	Collet Type	Part #	Inside Diameter	Collet Type
27-44100	16	ER11M	27-44120	50	ER32
27-44105	22	ER16M	27-44125	63	ER40
27-44110	28	ER20M	27-44130	60.3	EOC20
27-44115	35	ER25M	27-44135	35.4	EOC12

Collet Spanners



Part #	Collet Type
27-44200	ER16
27-44205	ER20
27-44210	ER25
27-44215	ER32
27-44220	ER40
27-44225	ER11M
27-44230	ER16M
27-44235	ER20M
27-44240	ER25M
27-44250	ER32M
27-44255	ER40M
27-44260	EOC25
27-44270	TG
27-44275	SINO C

Opti-Clamp Tool Changing Station

- An easy, time saving & money saving device.
- Just load, lock & tighten.
- For both ISO and HSK tapers.

Part #	Name
27-44350	Opti Clamp
27-44254	Opti Clamp Sliding Spanner
27-44258	Opti Clamp ISO Adaptor



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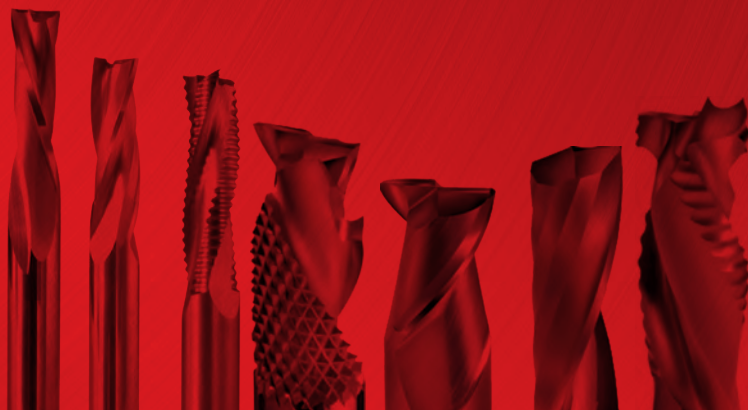
Sawblades

Jigsaw Blades 100

Bandsaw Blades 104

Delivered AM Sharp! 

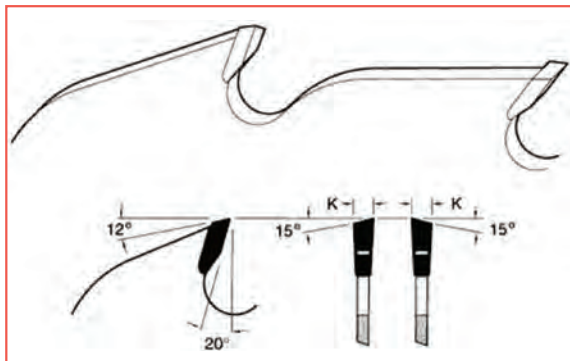
Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



Sawblades for Portable Machines

Thin Kerf Rip Sawblades

- These blades are designed with a low number of teeth and are particularly suited to long grain cutting in solid wood.

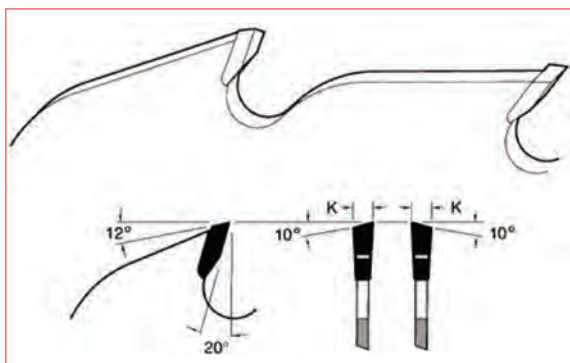


Part #	Diameter [mm]	Kerf [mm]	Teeth
16-3120	136	1.7	20
16-3128	160	1.7	20
16-3144	165	1.7	20
16-3152	184	1.7	20
16-3168	190	1.7	20
16-3176	210	2.2	20
16-3196	216	2.2	24
16-3212	220	2.2	20
16-3228	235	2.2	20
16-3248	254	2.2	24

Suitable for: ● Soft and Hard Wood

Rip Sawblades

- These blades are designed with a low number of teeth and are particularly suited to long grain cutting in solid wood.



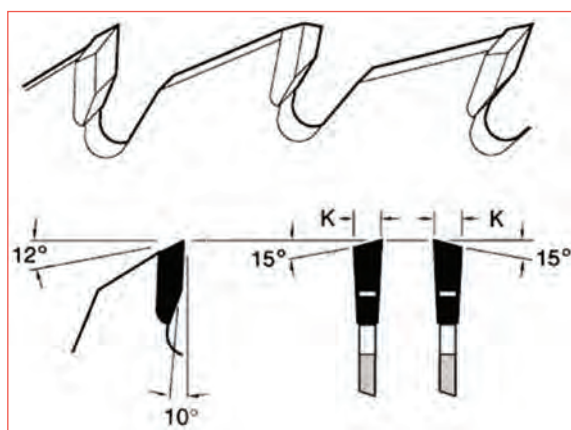
Part #	Diameter [mm]	Kerf [mm]	Teeth
16-3388	110	2.2	20
16-3396	125	2.2	20
16-3404	140	2.2	20
16-3412	150	2.2	20
16-3424	160	2.2	20
16-3436	170	2.2	20
16-3448	184	2.2	20
16-3464	190	2.2	20
16-3480	200	2.8	20
16-3496	210	2.8	20
16-3512	216	2.8	20
16-3528	220	2.8	20
16-3544	230	2.8	20
16-1756	235	2.8	24
16-3576	240	2.8	20
16-1756	254	2.8	24
16-3608	260	2.8	20

Suitable for: ● Soft and Hard Wood

Sawblades for Portable Machines

Thin Kerf General Purpose Sawblades

- These blades are designed with an average number of teeth and are particularly suited to a combination of long grain cutting and across grain cutting in solid wood.

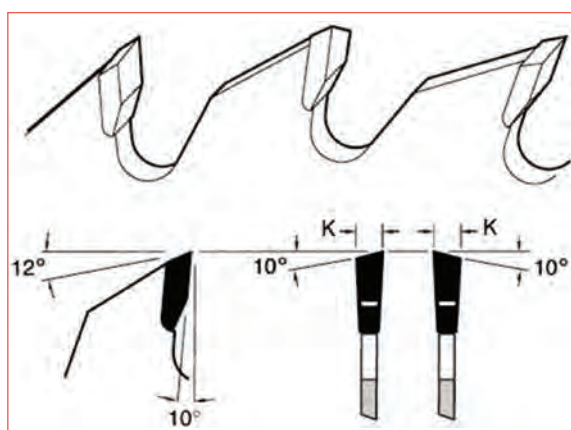


Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3132	160	1.7	30
16-3156	184	1.7	30
16-3180	210	2.2	30
16-3216	220	2.2	30
16-3228	235	2.2	30

Suitable for: Soft and Hard Wood

General Purpose Sawblades

- These blades are designed with an average number of teeth and are particularly suited to a combination of long grain cutting and across grain cutting in solid wood.



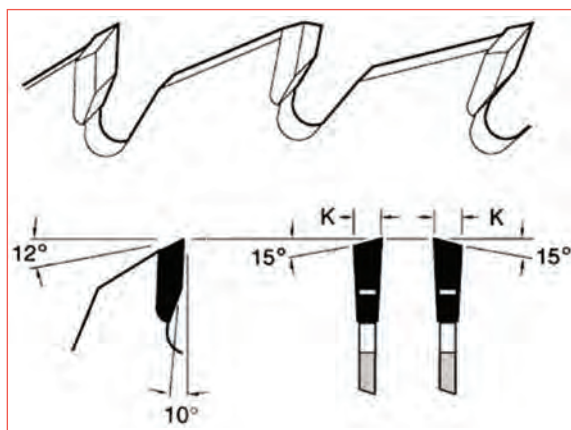
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3392	110	2.2	30
16-3400	125	2.2	30
16-3408	140	2.2	30
16-3416	150	2.2	30
16-3428	160	2.2	30
16-3440	170	2.2	30
16-3452	184	2.2	30
16-3468	190	2.2	30
16-3484	200	2.8	30
16-1764	210	2.4	30
16-3500	210	2.8	30
16-3516	216	2.8	30
16-1768	216	2.4	48
16-3532	220	2.8	30
16-3548	230	2.8	30
16-3564	235	2.8	30
16-1772	235	2.8	34
16-3580	240	2.8	30
16-3596	254	2.8	30
16-3612	260	2.8	30

Suitable for: Soft and Hard Wood

Sawblades for Portable Machines

Thin Kerf Fine Cross Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain cutting in solid wood.

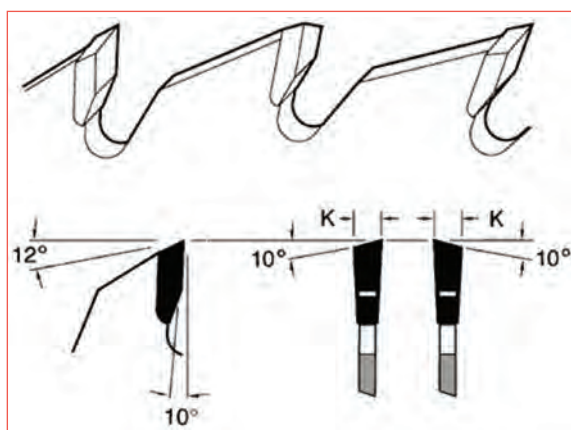


Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3136	160	1.7	40
16-3148	165	1.7	40
16-3160	184	1.7	40
16-3172	190	1.7	40
16-3184	210	2.2	40
16-3200	216	2.2	40
16-3220	220	2.2	40
16-3236	235	2.2	40
16-3252	250	2.2	40
16-3264	260	2.2	40

Suitable for: Soft and Hard Wood

Fine Cross Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain cutting in solid wood.



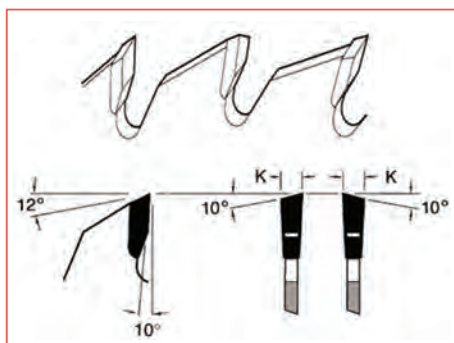
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-5072	140	2.2	40
16-3420	150	2.2	40
16-3432	160	2.2	40
16-3444	170	2.2	40
16-1796	180	2.4	40
16-3456	184	2.2	40
16-3472	190	2.2	40
16-3488	200	2.8	40
16-1780	210	2.4	40
16-3504	210	2.8	40
16-3520	216	2.8	40
16-3536	220	2.8	40
16-3552	230	2.8	40
16-3568	235	2.8	40
16-3584	240	2.8	40
16-1776	250	2.8	40
16-3616	260	2.8	40

Suitable for: Soft and Hard Wood

Sawblades for Portable Machines

Thin Kerf Fine Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain and finishing in solid wood.

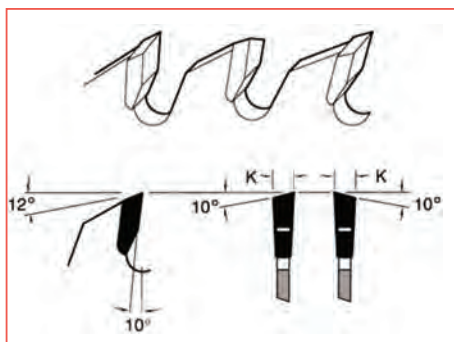


Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3140	160	1.7	60
16-3164	184	1.7	60
16-3188	210	2.2	60
16-3204	216	2.2	60
16-3240	235	2.2	60
16-3256	250	2.2	60
16-3268	260	2.2	60
16-3272	305	2.4	60
16-3280	310	2.4	60

Suitable for: Soft and Hard Wood

Fine Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain and finishing in solid wood.



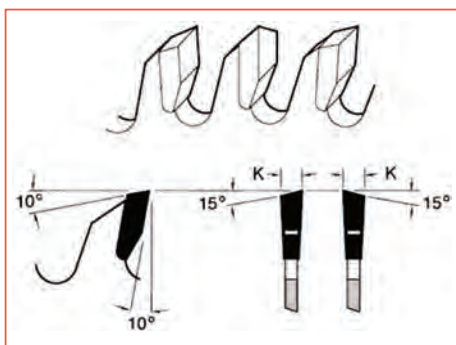
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3460	184	2.2	60
16-3476	190	2.2	60
16-3492	200	2.8	60
16-3508	210	2.8	60
16-3524	216	2.8	60
16-1784	216	2.4	64
16-3540	220	2.8	60
16-3556	230	2.8	60
16-3572	235	2.8	60
16-3588	240	2.8	60
16-1792	250	2.8	60
16-3620	260	2.8	60

Suitable for: Soft and Hard Wood

Sawblades for Portable Machines

Thin Kerf Extra Fine Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to fine finishing in solid wood.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-3192	210	2.2	80
16-3208	216	2.2	80
16-3244	235	2.2	80
16-3260	250	2.2	80
16-3262	250	2.2	100
16-3276	305	2.4	80
16-3278	305	2.4	100
16-3284	310	2.4	80
16-3286	310	2.4	100

Suitable for: Soft and Hard Wood

Sharpening Express

Sharpening Express is an easy, hassle free way of having your tooling expertly serviced.

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- 1 We provide you with a pre addressed polycarbonate storage box for you to put your dull cutting tools... **FREE**
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Get your tools sharpened when you want... not when somebody else decides to turn up!!

EASY WAY

- ✓ Saw blades
- ✓ Router bits
- ✓ Planer blades
- ✓ Bandsaw blades



High Performance Industrial Sawblades

Low Noise/Antivibration Technology

As we all know, noise is caused by vibration. A vibrating saw cannot give a perfect finish. Our manufacturer's have made a major advance by laser cutting 'reeds' into the precision ground [not stamped] steel body of the saw and filling the reeds with a thermoplastic resin. These blades are then individually tuned, tensioned and balanced by automatic precision devices to completely eliminate harmful vibrations, taking cut quality to a whole new level.

Shock Resistant Brazing

Our premium tungsten tips are then computer controlled brazed with a special silver/copper/silver sandwich foil specially formulated to absorb impact and cutting vibration.

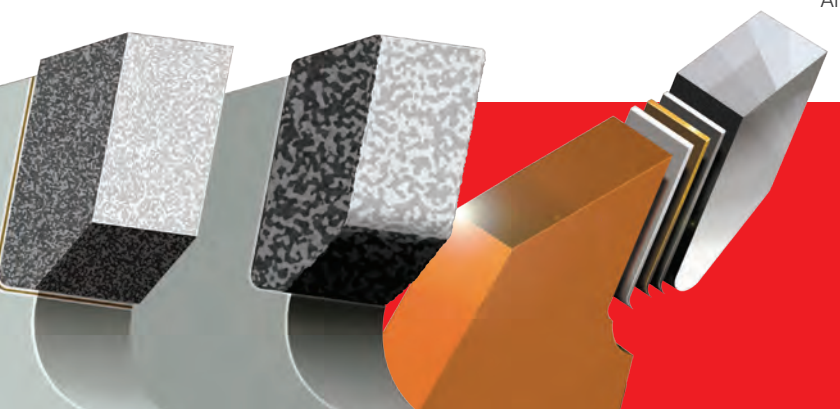
Long Lasting Super Tooth

Micrograin Tungsten tips are specially formulated to match the material the blade has been designed to cut, whether it be Soft Wood, MDF, Plastic, Plywood, Aluminium etc. Each tip has anti corrosive material such as Titanium incorporated into the Tungsten carbide matrix to enhance blade life. Thermal abrasion has been proved to be the single biggest cause of edge loss.

At the instant of cutting, the point of a tungsten tip has been measured at over 1000°. The SUPERTOOTH is also 50% thicker than competitors! To you this means up to 50% more sharpens before you need to replace.

Heat Reducing ICE Coating

The Silver ICE coating reduces heat buildup in the saw body, enhancing performance and cutting accuracy even further. Antifriction coatings can increase blade life by up to 70%.



High Performance Industrial Sawblades

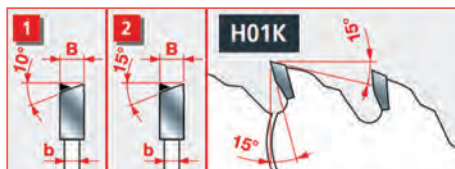
Sawblades for Ripping

- ATB 10° tooth with positive cutting angle for ripping.
- For use on tablesaws and multi-ripping machines.



Cross Cut Rip Sawblades

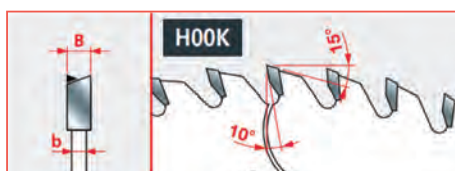
- ATB 15° tooth with positive cutting angle for ripping and coarse crosscutting.
- For use on tablesaws and large dropsaws.



Saw bushes also available

Fine Cross Cut Sawblades

- ATB 15° tooth with positive cutting angle for fine cross cutting.
- For use on large dropsaws and tablesaws.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0192	250	3.2	24
16-0200	300	3.2	28
16-0208	350	3.5	32
16-0176	400	4	34
16-0180	450	4.4	38
16-0184	500	4.4	42
16-0188	550	4.4	42

Suitable for: Soft and Hard and Exotic Solid Wood

Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0396	250	3.2	40
16-0408	300	3.2	48
16-0424	350	3.5	54
16-0436	400	4	60
16-0444	450	4.4	66
16-0452	500	4.4	72
16-0456	550	4.8	84
16-0460	600	5.4	96
16-0468	735	6	72
16-0472	760	6.2	72

Suitable for: Soft and Hard Solid Wood Unprocessed Chipboard Plywood

Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0492	250	3.2	48
16-0500	250	3.2	60
16-0504	300	3.2	60
16-0512	300	3.2	72
16-0516	315	3.2	72
16-0528	350	3.5	84
16-0540	400	4	96

Suitable for: Soft and Hard Solid Wood Unprocessed Chipboard Plywood

NZ

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AUS

1800 488 647 (freephone)
 tungstenandtool.com

High Performance Industrial Sawblades

Fine Sawblades

- ATB 15° tooth with positive cutting angle for fine cross cutting and finishing.
- For use on large dropsaws and tablesaws.



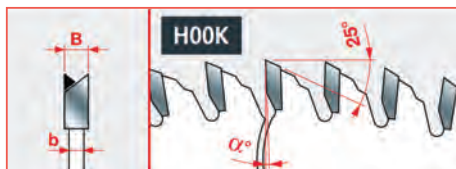
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0592	250	3.2	80
16-0604	300	3.2	96
16-0032	330	3.2	96
16-0616	350	3.2	108
16-0620	400	3.8	120
16-0624	450	4.4	132
16-0628	500	4.4	144
16-0632	550	4.8	156
16-0636	600	5.4	168

Suitable for: ● Hard and Soft Solid Wood ● Chipboard
● Single Sided Laminated Board

Fine Steep Top Sawblades for Laminated Panels

- ATB 38° tooth, with variable cutting angle according to the diameter for finishing and sizing of laminated panels.
- For use on circular vertical saws, panel sizing machines and tablesaws

**BEST
SELLER**



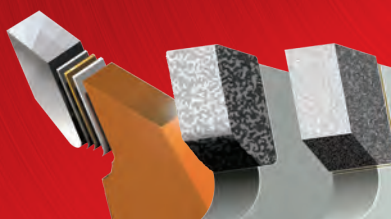
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0716	220	3.2	64
16-0720	250	3.2	80
16-0724	300	3.2	96
16-0728	350	3.5	108

Suitable for: ● Laminated Panels with fine Coatings
● Veneered Products

Blades for Beamsaws

Call us about your beamsaw blades. With longer lasting MicroMax VF01 tungsten tips, ultra sharp honed teeth and noise reducing technology, you can be sure of successful cutting with our beamsaw blades!

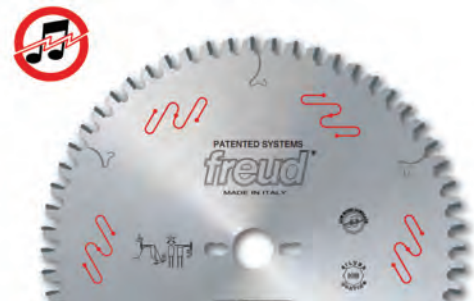
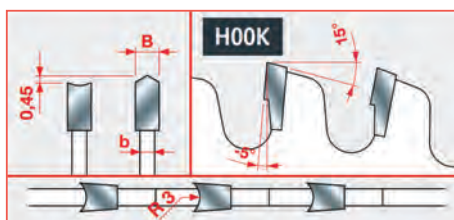
Call us on **0800 488 647** and let us know your specifications and your machine model and we'll be able to sort the rest out for you.



High Performance Industrial Sawblades

Fine Hollow Face Sawblades for Laminated Panels

- Conical - Triple Chip tooth with concave face and negative cutting angle for finishing and sizing of laminated panels.
- For use on tablesaws and horizontal panel sizing machines



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0752	250	3.2	48
16-0756	300	3.2	60
16-0760	350	3.2	72

Suitable for: ● Laminated Panels with Abrasive and Hard Coatings

Fine Triple Chip Sawblades for Laminated Panels

- Flat-Triple chip tooth with negative cutting angle for finishing and sizing of laminated panels.
- For use on tablesaws and horizontal panel sizing machines.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0856	250	3.2	80
16-0860	300	3.2	96
16-0864	350	3.5	108

Suitable for: ● Laminated Panels ● Plastic Materials

Industrial Adjustable Scoring Blades

- ATB tooth with 5° positive cutting angle for use on horizontal panel sizing machines that do not allow adjustment of the scoring depth.



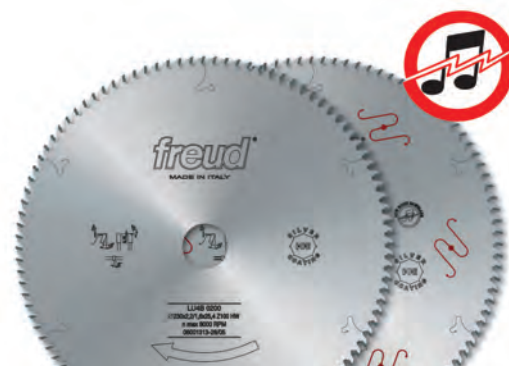
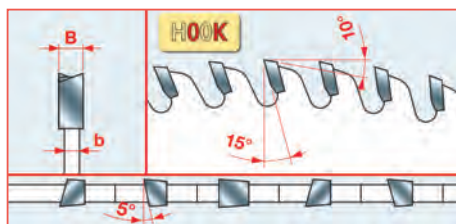
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-6288	120	2.8 - 3.6	12+12

Suitable for: ● Bi-laminated chipboard ● MDF

High Performance Industrial Sawblades

Fine Cut Sawblades for Plastics

- Flat - ATB 10° tooth with 5° shear angle and positive cutting angle for finishing and sizing of plexiglass and plastic materials panels with fine finish.
- Reduced cutting height makes for easier workpiece feeding.
- For use on circular saws and tablesaws.



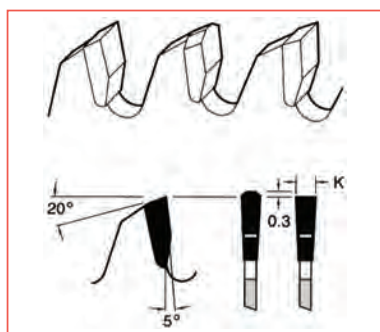
Part #	Diameter (mm)	Kerf (mm)	Teeth
16-1664	230	2.2	100
16-0876	250	2.2	100
16-1668	254	2.2	100
16-0872	300	2.8	96

Suitable for: Plastic Materials Plexiglass

*Triple Chip Negative Rake

Thin Kerf Fine Cut Sawblades for Aluminium

- Flat-triple chip tooth with negative cutting angle.
- Used to cut drawn products and tubes with thin walls.
- For ultra fine finish.
- For use on mitre saws with manual or mechanical clamping of the pieces.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-2980	100	2.2	30
16-2984	150	2.2	36
16-2988	160	2.2	36
16-2992	160	2.2	60
16-2996	184	2.2	40
16-3000	184	2.2	60
16-3004	190	2.2	40
16-3008	190	2.2	60
16-3012	200	2.4	48
16-3016	200	2.4	60
16-3020	210	2.4	48
16-3024	210	2.4	60
16-3028	210	2.4	80
16-3032	216	2.4	48
16-3036	216	2.4	60
16-3044	220	2.4	48
16-3048	220	2.4	60
16-3052	235	2.4	60
16-3056	235	2.4	80
16-3060	254	2.4	60
16-3092	254	2.8	100

Suitable for: Aluminium and Non-Ferrous Metals

Ask us about Saw Blades for Acrylic Tops!

High Performance Industrial Sawblades

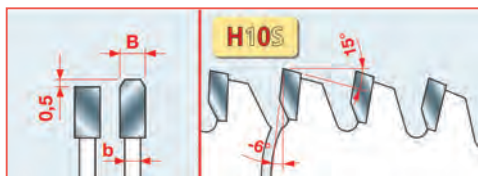
Fine Cut Sawblades for Aluminium

- Flat-triple chip tooth with negative cutting angle.
- Used to cut solid drawn products whose thickness exceeds 3mm.
- For use on mitre saws with manual or mechanical clamping of the pieces.



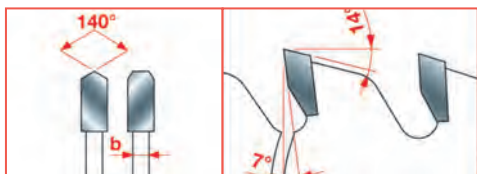
Fine Cut Sawblades for Aluminium

- Flat-triple chip tooth with negative cutting angle.
- Used to cut drawn products and tubes whose thickness doesn't exceed 3mm.
- For use on mitre saws with manual or mechanical clamping of the pieces.



Industrial Long Life Fine Cut Sawblades for Aluminium

- Pyramid design tooth with positive cutting angle.
- Used to cut drawn products and tubes whose thickness doesn't exceed 3mm.
- For use on mitre saws with mechanical clamping of the pieces.



For Aluminium Cutting
Lube turn to Page 122

Part #	Diameter (mm)	Kerf (mm)	Teeth
16-0984	250	3.5	54
16-0988	300	3.5	72
16-0996	350	3.5	84
16-1004	400	3.5	96
16-1012	450	4	108
16-1016	500	4	120

Suitable for: Aluminium and Non-Ferrous Metals

Part #	Diameter (mm)	Kerf (mm)	Teeth
16-1024	200	2.8	60
16-1044	250	3.5	80
16-1048	300	3.5	96
16-1052	330	3.5	104
16-1056	350	3.5	108
16-1256	380	3.5	108
16-1064	400	3.5	120
16-1072	450	4	128
16-1268	500	4	140

Suitable for: Aluminium and Non-Ferrous Metals

Part #	Diameter (mm)	Kerf (mm)	Teeth
16-10348	400	3.5	96
16-10352	400	3.5	120
16-10356	420	3.5	100
16-10360	450	3.5	108
16-10364	500	4	120
16-10368	530	4	126
16-10372	550	4	132
16-10376	600	4.7	144

Suitable for: Aluminium and Non-Ferrous Metals

NZ

📞 0800 488 647 (freephone)
🌐 tungstenandtool.co.nz

AUS

📞 1800 488 647 (freephone)
🌐 tungstenandtool.com

High Performance Industrial Sawblades

Precision Dado Set

- Superior precision dado.
- Anti kick back design and splinter resistant cutting.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-10340	150	6.35 - 22.2	20
16-10344	200	6.35 - 22.2	24

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF

Grooving Blades

- Brazed tip cutters for good quality grooving.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-10320	125	3	12
16-10324	125	4	12
16-10328	125	5	12
16-10332	125	6	12
16-10336	125	8	12
16-2912	150	2	12
16-2876	150	3	12
16-2880	150	4	12
16-2884	150	5	12
16-2888	150	6	12
16-2892	150	8	12
16-2896	150	10	12

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF
● Aluminium and Non-Ferrous Metals

Industrial Biscuit Joiner Blade

- Brazed tip blade for making biscuit joints accurately and quickly.



Part #	Diameter (mm)	Kerf (mm)	Teeth
16-5532	100	3.96	6
16-5536	100	3.96	8

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF

Jigsaw Blades

Jigsaw Blades 3101-5 – Pack of 5

- Ideal for precise, clean cuts in hardwoods, softwoods, plywood, laminated wooden fibreboard and synthetic materials.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0460	10	4 - 30	100
Suitable for: ● Hardwood and Softwood ● Plywood ● Laminated Particle Board ● Some Plastics			

Jigsaw Blades 3102-5 – Pack of 5

- Down cut blade for clean cut in hardwoods, softwoods, plywood, laminated wooden fibreboard and synthetic materials.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0488	10	4 - 30	100
Suitable for: ● Hardwood and Softwood ● Plywood ● Laminated Particle Board ● Some Plastics			

Jigsaw Blades 3104-5 – Pack of 5

- Ideal for straight cuts.
- High speed, clean cuts in hardwood, softwoods and chipboard.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0466	6	8 - 60	100
Suitable for: ● Hardwood and Softwood ● Chipboard			

Jigsaw Blades 3105-5 – Pack of 5

- Ideal for curved cuts.
- High speed cuts in hardwoods, softwoods and chipboard.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0468	6	8 - 60	100
Suitable for: ● Hardwood and Softwood ● Chipboard			

Jigsaw Blades

Jigsaw Blades 3106-5 – Pack of 5

- For fast, rough cuts in hardwoods, softwoods, and plastic.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0516	8	5 - 60	100
Suitable for: ● Hardwood and Softwood ● Plastic			

Jigsaw Blades 3108-5 – Pack of 5

- Ideal for acrylic glass. For straight cuts in hardwoods, softwoods, plywood, insulation materials and plastic.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0518	12	2 - 15	75
Suitable for: ● Acrylic Glass ● Hardwood and Softwood ● Plywood ● Insulation Materials ● Plastics			

Jigsaw Blades 3109-5 – Pack of 5

- For tight curved cuts in hardwoods, softwoods, plywood, chipboard, synthetic materials and acrylic glass.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0524	12	4 - 20	75
Suitable for: ● Hardwood and Softwood ● Plywood ● Chipboard ● Synthetic Materials ● Acrylic Glass			

Jigsaw Blades 3114-5 – Pack of 5

- Ideal for sandwich materials.
- Straight cuts (flexible and shatterproof) in metals, non-ferrous metal, aluminium and acrylic glass.
- HSS



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0542	21	2 - 65	132
Suitable for: ● Metals, Non-Ferrous Metal & Aluminium ● Acrylic Glass			

Jigsaw Blades

Jigsaw Blades 3116-5 – Pack of 5

- Ideal for acrylic glass.
- Clean cuts in non-ferrous metals, aluminium and acrylic glass.
- HSS



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0543	12	2 - 20	100
Suitable for: <input type="radio"/> Metals, Non-Ferrous Metal & Aluminium <input checked="" type="radio"/> Acrylic Glass			

Jigsaw Blades 3121-1

- Tungsten grit.
- Ideal for abrasive materials.
- Precise straight cuts in ceramics, glass and up to medium strength tile.



Part #	Grit	Cuts (mm)	OAL (mm)
32-0550	50	1 - 10	75
Suitable for: <input checked="" type="radio"/> Abrasive Materials <input type="radio"/> Ceramics, Glass and Tile			

Jigsaw Blades 3125-1

- Tungsten tipped.
- Ideal for abrasive materials.
- Precise straight cuts in ceramics, glass and fibre glass reinforced synthetic materials.



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0552	6	6 - 20	100
Suitable for: <input checked="" type="radio"/> Abrasive Materials <input type="radio"/> Ceramics and Glass <input type="radio"/> Fibreglass <input checked="" type="radio"/> Reinforced Synthetic Materials.			

Jigsaw Blades 3126-1

- Tungsten tipped.
- Ideal for fibreglass-reinforced synthetic materials.
- Fast, rough cuts in abrasive materials, fibreglass-reinforced synthetic materials and cement-bound chipboard.



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0553	6	6 - 20	132
Suitable for: <input checked="" type="radio"/> Fibreglass-reinforced Synthetic Materials <input checked="" type="radio"/> Abrasive Materials <input checked="" type="radio"/> Cement-bound Chipboard			

Jigsaw Blades

Jigsaw Blades 3134-3 – Pack of 3

- Tungsten tipped.
- Ideal for fibreglass-reinforced synthetic materials.
- Straight cuts in abrasive materials, fibreglass-reinforced synthetic materials and sandwich materials.



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0554	8	2 - 65	155
Suitable for: ● Fibreglass-reinforced Synthetic Materials ● Abrasive Materials ● Sandwich Materials			

Jigsaw Blades 3171-5 – Pack of 5

- For precise, splinter free cuts on both sides of the material.
- For curved cuts in hardwoods, softwoods, plywood, wooden fibreboard and plastic.
- CV



Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
3 2-0555	20	2 - 20	75
Suitable for: ● Hardwood and Softwood ● Plywood ● Wooden Fibreboard ● Plastic			

Jigsaw Blades 3180-5 – Pack of 5

- Ideal for both thick and thin wooden materials.
- For precise, splinter-free cuts in hardwood, coated chipboard and plywood.
- CV



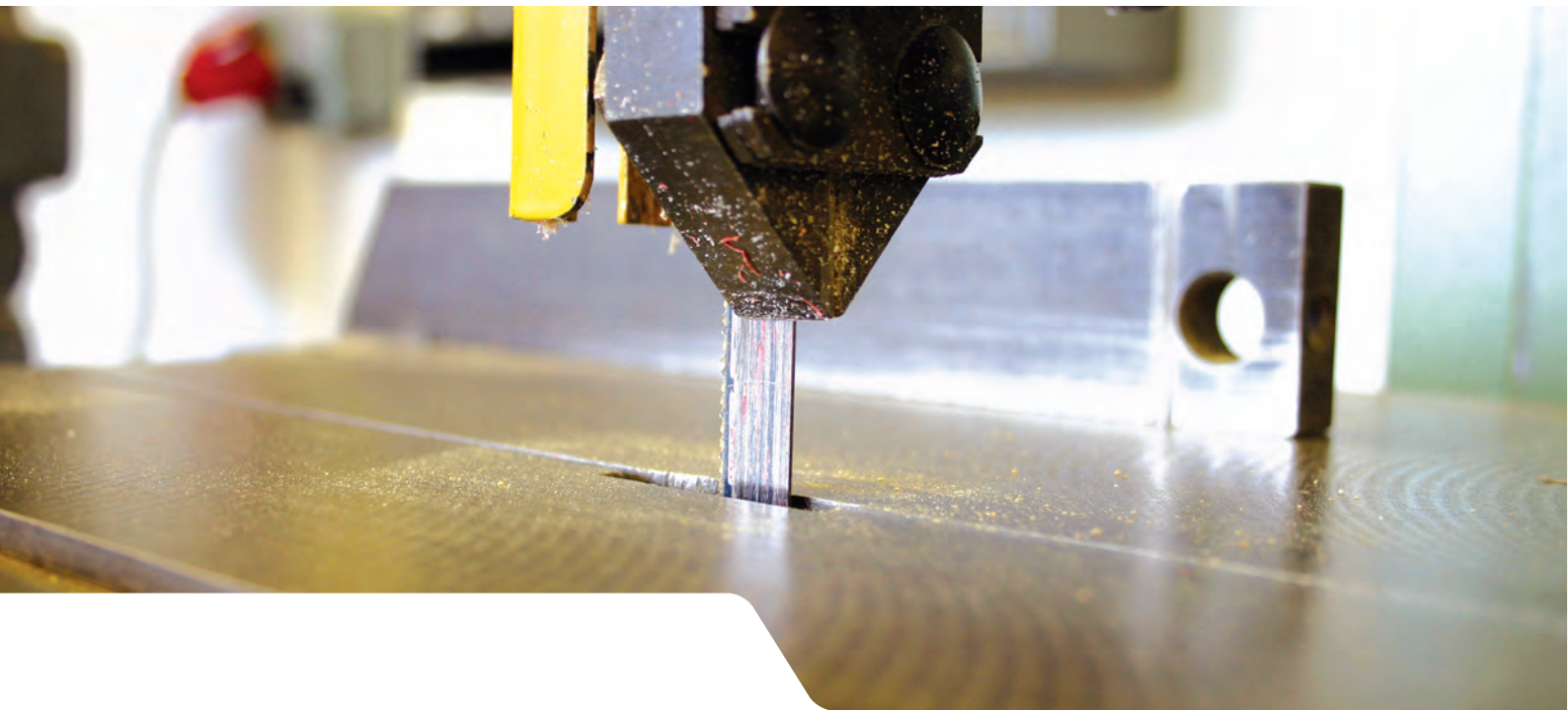
Part #	Pitch (TPI)	Cuts (mm)	OAL (mm)
32-0557	Progressive	1 - 80	115
Suitable for: ● Hardwood ● Coated Chipboard ● Plywood			

Jigsaw Blades 3140-1

- Diamond grit.
- Ideal for highly abrasive materials and carbon fibre products.



Part #	Grit	Cuts (mm)	OAL (mm)
32-0558	Diamond	1 - 15	75
Suitable for: ● Abrasive Materials ● Carbon Fibre Products			



Bandsaw Blades

Even with the latest in high tech CNC cutting equipment there is still very much a place in industry for the humble Bandsaw.

In fact, with the constant development of new materials and the obvious necessity to cut contours and shapes in them, there are more blade choices than ever!

- **CV Hardened Tooth** – standard blades used traditionally for cutting wood and plastics
- **HSS Welded Edge** – for abrasive wood types, some composites and steel [with coolant]
- **Tungsten Tipped** – for composites, abrasive woods
- **Tungsten Grit** – for Composites, Carbon Fibre, Ceramics

Blade Selection

Blade width is measured from the tips of the teeth to the back of the blade.

For straight and cut off work, the blade should be as wide as your machine will allow, as the wider the band, the straighter the cut will be.

For contour sawing, while the blade should be as wide as the machine allows, it should be narrow enough to cut the desired shape or radius. Please see specs below:

The number of teeth per inch (tpi) is important to obtain the desired finish and the proper feed rate.

- **Coarse** tooth blades (2,3 tpi) should be used for resawing wood and thick stock up to 8" [200mm]
- **Medium** toothed blades (4,6 tpi) are used as a general purpose blade for wood, some plastics and aluminium (6, 8tpi)
- **Fine** toothed blades (10-32 tpi) are used for cutting thin metals.
- Consider that there needs to be a minimum of 3 teeth in the work at any one time.
- More tpi give a smoother but slower cut
- Fewer tpi allow a faster cut with a slightly rougher finish
- Variable pitch blades are used when cutting a wide variety of thickness metals [please enquire]

Phone the team on **0800 488 647** with your requirements.





Replaceable Knives

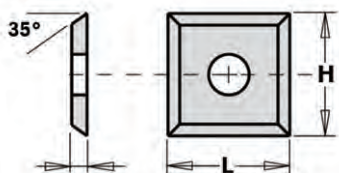
Tungsten Replaceable Knives	106
Knife Steel	113

Delivered AM Sharp! 

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.

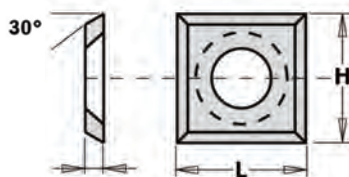


Replaceable Knife Four Sided



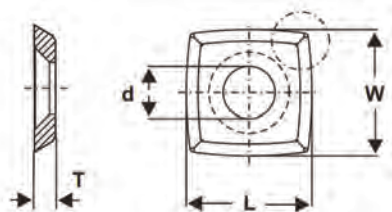
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0252	12	12	1.5	HC05
23-0264	12	12	1.5	SMG02
23-0272	17	17	2	HC05

Replaceable Knife Four Sided with Countersunk Hole



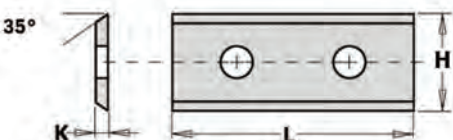
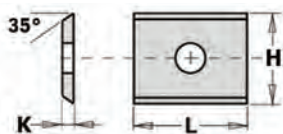
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0352	14	14	2	HC05
23-0368	14	14	2	SMG02

Replaceable Knife Four Sided with Radius



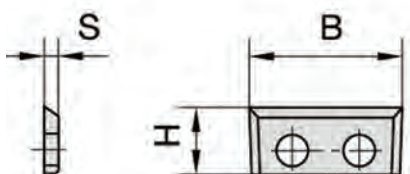
Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius
23-3820	15	15	2.5	R50

Replaceable Knife Two Sided



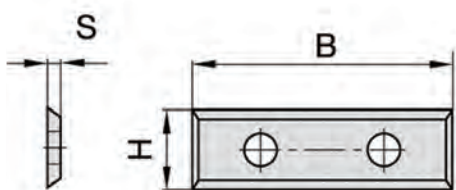
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0196	7.5	12	1.5	HC05
23-0208	9.6	12	1.5	HC05
23-0076	20	12	1.5	HC05
23-0120	30	12	1.5	HC05
23-0132	30	12	1.5	SMG02
23-0136	30	12	1.5	UMG04
23-0140	40	12	1.5	HC05
23-0152	40	12	1.5	SMG02
23-0160	50	12	1.5	HC05
23-0168	50	12	1.5	MG06
23-0172	50	12	1.5	SMG02
23-0176	50	12	1.5	UMG04
23-0180	60	12	1.5	HC05
23-0192	60	12	1.5	SMG02

Replaceable Knife Single Sided with Sharpened Ends



Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-1060	16	7	1.5	MG06
23-1056	28	7	1.5	MG06

Replaceable Knife Two Sided with Sharpened Ends



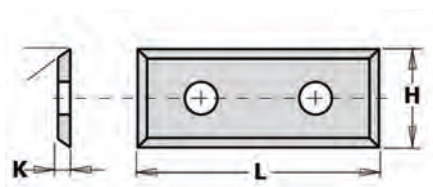
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-3924	17.5	7	1.5	HC05
23-3920	29.5	7	1.5	HC05

Knife Grades

Grade	Symbol	Softwood	Hardwood	Chipboard	MDF	HDF
UMG04	○○○○			★★	★★★	★★★★
SMG02	○○			★★★	★★★★	★★★
MG06	▭		★★★	★★★★	★★	★★
HC05	▭	★★	★★	★★	★★	★★
HC35		★★	★			

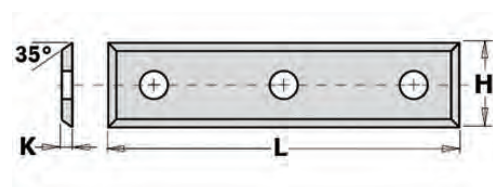
	Not Suitable
★	Acceptable
★★	Good
★★★	Very Good
★★★★	Optimum

Replaceable Knife Four Sided



Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0476	29.5	9	1.5	HC05
23-0484	29.5	9	1.5	MG06
23-0456	29.5	12	1.5	HC05
23-0464	29.5	12	1.5	MG06
23-0468	29.5	12	1.5	SMG02
23-0516	49.5	9	1.5	MG06
23-0488	49.5	12	1.5	HC05
23-0496	49.5	12	1.5	MG06
23-0500	49.5	12	1.5	SMG02
23-0520	59.5	12	1.5	HC05

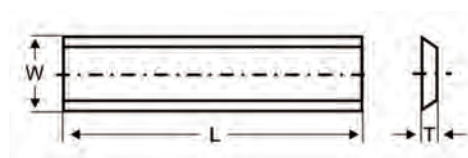
Replaceable Knife Four Sided - Three Holes



Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0536	50	12	1.7	HC05
23-0544	50	12	1.7	MG06

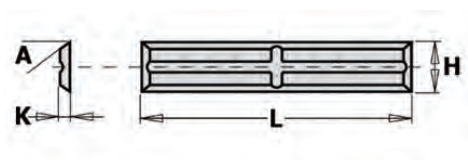
Replaceable Tungsten Gold Knife

- TiN coated for longer life



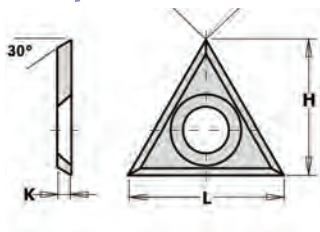
Part #	Length (mm)	Width (mm)	Thickness (mm)	
23-2924	20	5.5	1.1	
23-2928	30	6.5	1.1	
23-2936	50	6.5	1.1	
23-2944	20	10	1.5	
23-2920	30	10	1.5	
23-3548	50	10	1.5	
23-2932	50	10	1.5	With Chamfer

Replaceable Knife Four Sided with Back Groove



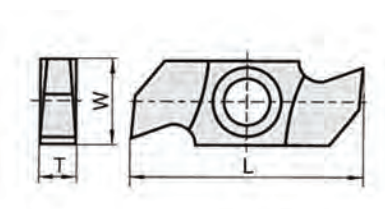
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0860	20	4.1	1.1	HC05
23-0868	20	5.5	1.1	HC05
23-0880	25	5.5	1.1	HC05
23-0888	30	5.5	1.1	HC05
23-0892	30	5.5	1.1	MG06
23-0912	50	5.5	1.1	HC05
23-0916	50	5.5	1.1	MG06
23-0952	82	5.5	1.1	HC35

Replaceable Knife - Triangle



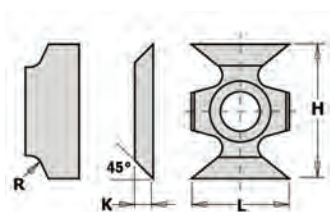
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-3704	22.8	22.8	2.5	HC05

Grooving Knife



Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-0712	34	16	3.2	HC35
23-0716	34	16	4	HC35
23-0720	34	16	5	HC35

Radius Knife



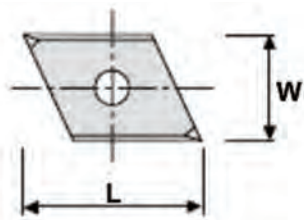
Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade	Radius (mm)
23-0960	16	22	5	HC20	45°
23-0972	16	22	5	HC20	2
23-0980	16	22	5	HC20	3
23-0984	16	22	5	HC20	5

Cleanliness is paramount.

When changing or reversing knives, please ensure that the disposable knife is correctly seated in the holder. It is of the utmost importance to ensure that all clamping parts are clinically clean. If they are not, premature (and sometimes immediate) knife breakage will occur.

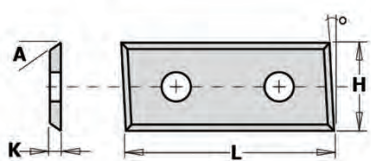


Replaceable Knife for Tangent V Cutter



Part #	Length (mm)	Width (mm)	Thickness (mm)
23-2988	20	12	1.5

Replaceable Knife for V Cutter



Part #	Length (mm)	Width (mm)	Thickness (mm)	Grade
23-3540	36	12	1.5	HC05
23-1064	44.5	12	1.5	HC05

Replaceable Knife for Engraving System



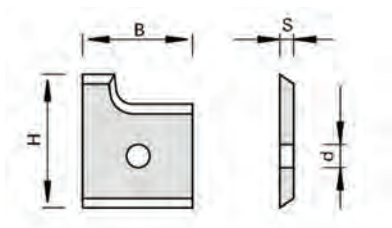
Part #	Length (mm)	Width (mm)	Thickness (mm)	Degrees
23-3952	30	9	1.5	30°
23-3956	30	9	1.5	60°
23-3960	30	9	1.5	90°

KONIG GREEN

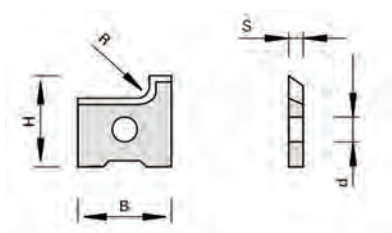
Tungsten & Tool's new initiative that enhances NZ's clean, green image. Recycle your old tungsten and earn \$\$! Then just sit back and breathe easy knowing that you're doing your bit for NZ's ecosystems!



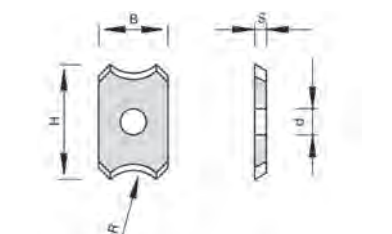
Edgebander Knives & Scrapers



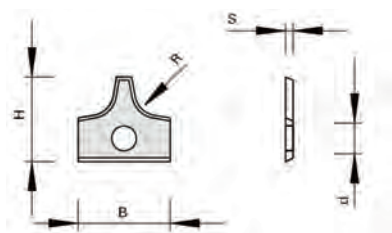
Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)	Rotation
23-3660	12	14.5	2	2	RH
23-3928	12	14.5	2	2	LH
23-3840	12	14.5	2	3	RH
23-3664	12	14.5	2	3	LH



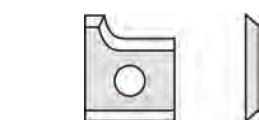
Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)	Rotation
23-3860	15	14.5	2	2	RH
23-3856	15	14.5	2	2	LH
23-3652	15	14.5	2	3	RH
23-3836	15	14.5	2	3	LH
23-3944	19.6	15.2	2	2	RH
23-3948	19.6	15.2	2	2	LH



Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)
23-3932	12	20	2	2
23-3936	12	20	2	3



Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)
23-3584	16	17.5	2	2
23-3588	16	17.5	2	3
23-3940	16	17.5	2	5

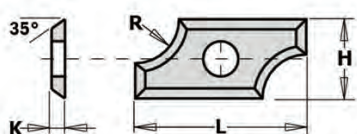


Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)	Rotation
23-3872	16	16.5	2	2	RH
23-3876	16	16.5	2	2	LH

Edgebander Knives & Scrapers (continued)



Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)
23-3756	20	16.2	2	2



Part #	Length (mm)	Width (mm)	Thickness (mm)	Radius (mm)
23-3312	19.5	9	1.5	2
23-3316	19.5	9	1.5	3
23-3320	19.5	9	1.5	5
23-3324	24	12	1.5	6.4
23-3332	24	12	1.5	8

As the edgebander knives constantly change please contact us with the details of your knife. The knives listed are a representative range only.



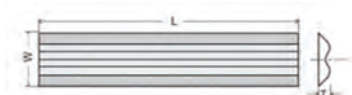
Tersa System Knives

- Custom sizes are also available.



Part #	Length (mm)	Width (mm)	Thickness (mm)
23-3976	235	10	2.3

Terminus System Knives



Part #	Length (mm)	Width (mm)	Thickness (mm)
23-3980	60	14	2.55
23-3984	230	14	2.55

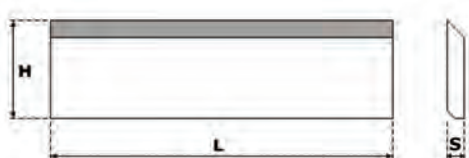
Centrolock System Knives



Part #	Length (mm)	Width (mm)	Thickness (mm)
23-3972	170	16	3
23-3964	230	16	3
23-3968	285	16	3

HSS + 18% Knife Steel

Plain Back



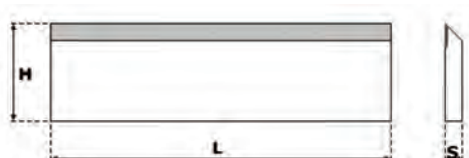
Part #	Length (mm)	Thickness (mm)
H1080193	19	3
H1090253	25	3
H1080303	30	3
H1080353	35	3
H1080354	35	4
H1080404	40	4
H1080406	40	6
H1080506	50	6
H1080606	60	6

Serrated Back



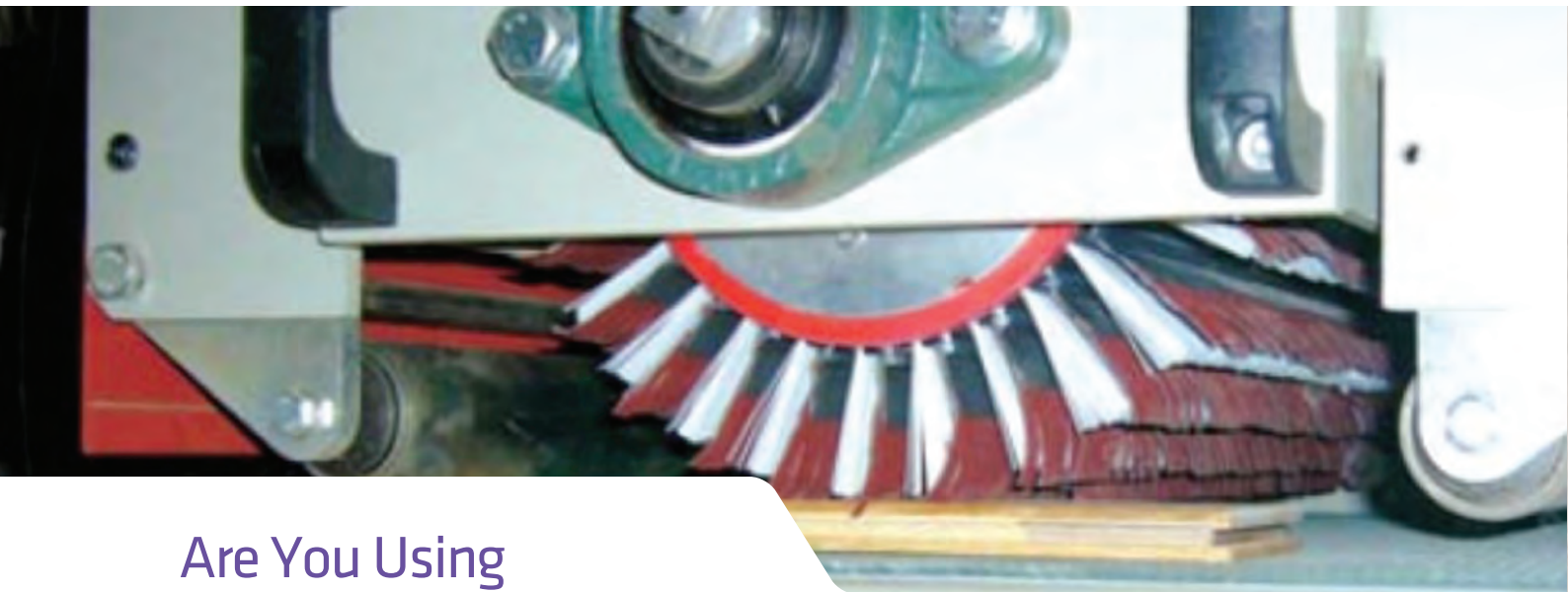
Part #	Length (mm)	Thickness (mm)
SB640405	40	5
SB640504	50	4
SB640506	50	6
SB640605	60	5
SB640606	60	6

Tungsten Laminate



Part #	Length (mm)	Thickness (mm)
TC1010253	25	3
TC1010303	30	3
TC1010353	35	3

Ask us about knives for the Weinig Cube



Are You Using Abrasives?

Even with the sharpest tooling there is always a need for prefinish sanding.

Tungsten & Tool supply a large range of heavy duty premium sanding systems for straight and profile sanding of all substrates.

Straight Sanding

Centrifugal Expansion Wheels are available in a huge range of diameters and lengths, with a bore for use on sanding machines or with an arbor for CNC equipment.

They have a metal central core with a special flexible synthetic material that is particularly designed for centrifugal expansion. This material gives a cushioning effect in operation.

Pneumatic Rollers have the advantage of being able to adjust the hardness of the roller using a simple screw mechanism.

Large diameter Aluminium discs - up to 400mm are used for sanding large Flat surfaces. These discs are equipped with a selection of pads to match individual requirements.

Profile Sanding

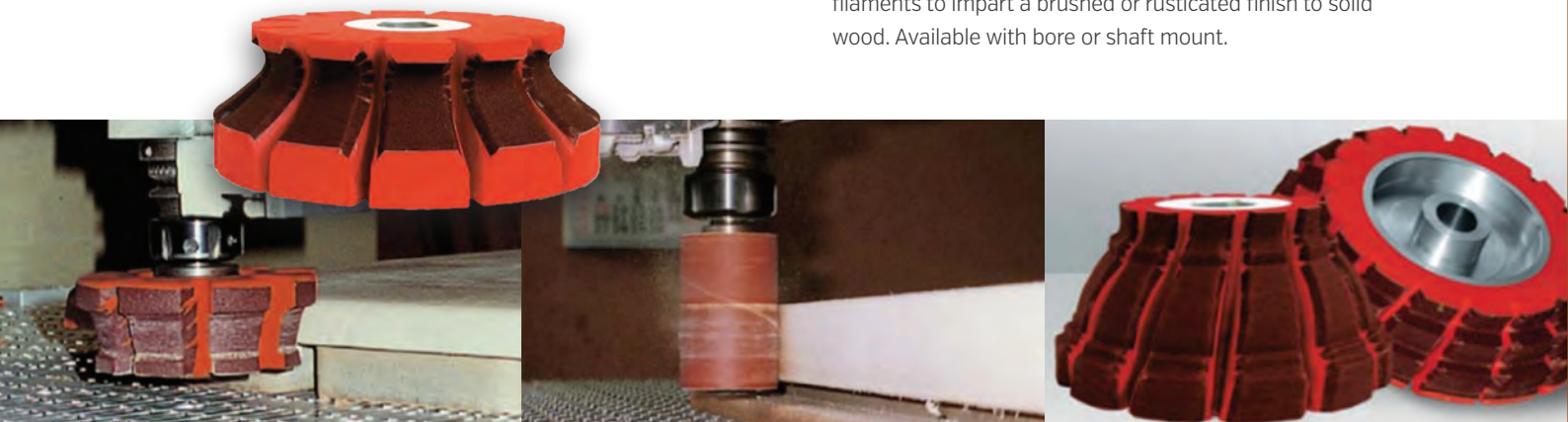
PROFILEV is proving a very cost effective, high speed CNC profile sanding system. It consists of a disposable abrasive element that is configured to digitally match the cutter knife used to produce the timber profile. This profile match is essential for effective profile sanding.

Multibrush Sanding

This is the ultimate fully customized sanding system. It consists of a series of low cost custom designed replaceable abrasive elements supported by brushes of different compositions and types, all matched to the customer's individual requirements. Available with shaft for CNC or with bore.

Rusticating

These brushes are custom designed with various metal filaments to impart a brushed or rusticated finish to solid wood. Available with bore or shaft mount.

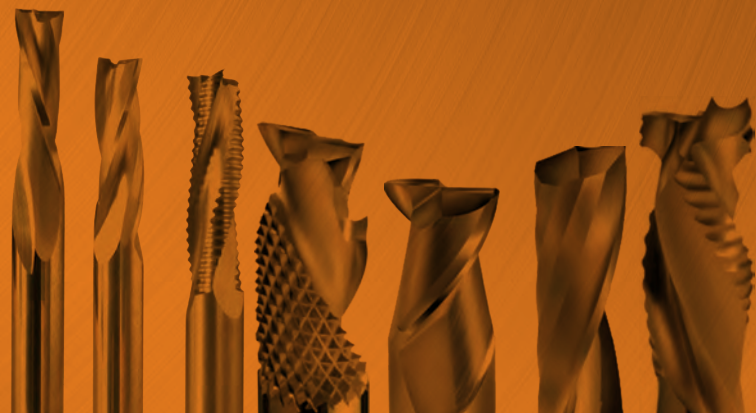




Moulder Heads

Delivered AM Sharp! 

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



Moulder Head for Safety Profile Knives

- Hard aluminium head designed to take the standard safety profile knives.



Part #	Diameter (mm)	Height (mm)	Bore (mm)
26-0072	78	40	30
26-0080	100	40-50	30
26-0084	100	40-50	31.7

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF

Moulder Head for Rebating

- Hard aluminium head with shear cut.
- Replaceable knife for rebating, trimming and grooving.



Part #	Diameter (mm)	Height (mm)	Bore (mm)
26-0168	100	51	30
26-0172	100	51	31.7

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF



Profile Knives

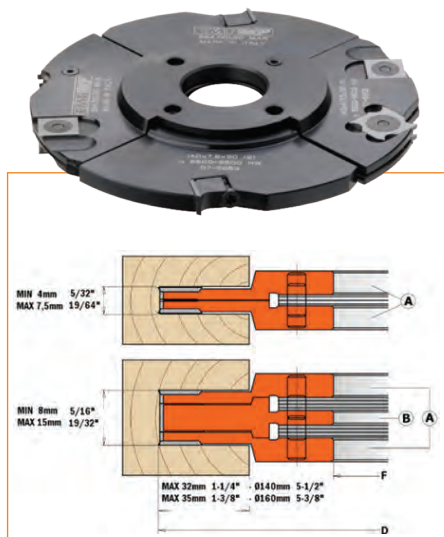
Call us with the profile you need. Standard profiles available in stock and custom profiles can be ground to your specifications.

Huge range of other standard profile heads available just phone us on **0800 488 647** with your requirements and we'll send you the information.



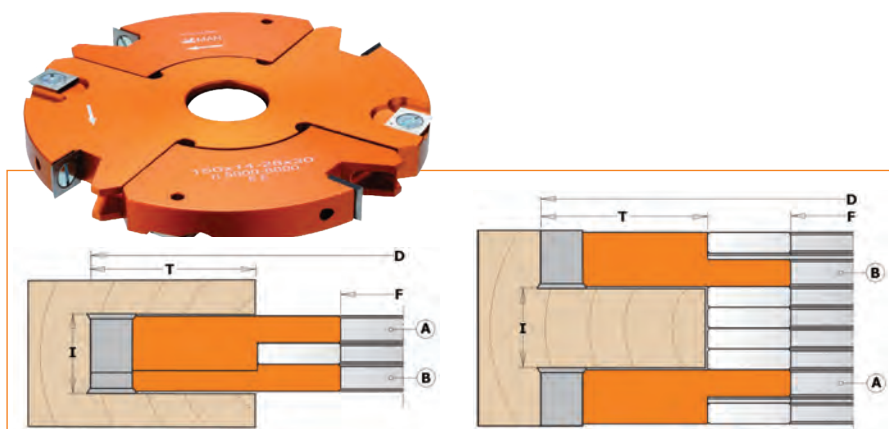
Adjustable Grooving Heads

- Steel body heads for creating varied precision slots and grooves.



Part #	Diameter (mm)	Adjustable from (mm)	Bore (mm)
26-0304	140	4-15	30
26-0308	140	4-15	31.7
26-0312	150	14-28	30
26-0316	150	14-28	31.7
26-0320	170	20-39	30
26-0324	170	20-39	31.7
26-0328	140	21-37	30
26-0332	140	21-37	31.7
26-0336	160	21-37	30
26-0340	160	21-37	31.7
26-0344	140	31-57	30
26-0348	140	31-57	31.7
26-0352	160	31-57	30
26-0356	160	31-57	31.7

Suitable for: ● Soft and Hard Wood ● Chipboard
● Laminated Wood ● MDF



Refer to page 106 for replaceable knives

Appreciate loyalty? We do too.

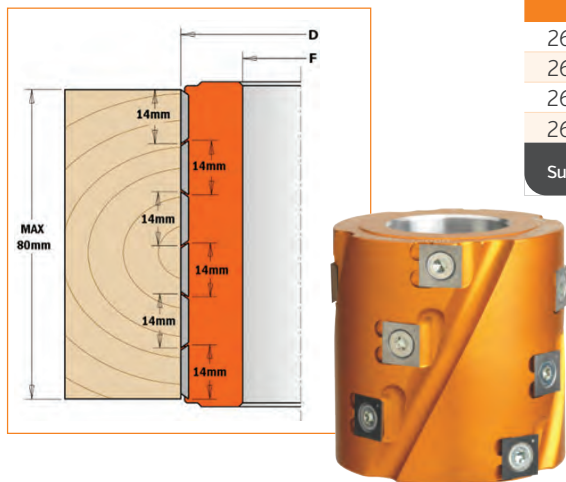
Enjoy the new PERKS+ rewards system!

Every time you spend with Tungsten & Tool you earn points redeemable on genuine big name luxury goods for yourself, your spouse, your family, your workmates.



Spiral Cutter Heads

- Hard aluminium head designed for planing and jointing.



Part #	Diameter (mm)	Height (mm)	Bore (mm)	Teeth (No)
26-0360	62	80	30	12
26-0364	62	80	35	12
26-0368	80	80	40	12
26-0372	80	80	50	12

Suitable for: ● Soft and Hard Wood ● Chipboard ● Laminated Wood ● MDF

Replaceable Knife Spiral Cutter Head

Finisher

- For jointing and rebate finish cutting in solid wood with extremely clean unmarked finish.

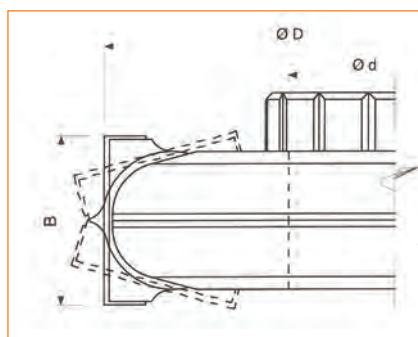


Part #	Diameter (mm)	Height (mm)	Bore (mm)	Flute
20-49560	80	80	30	4
20-49564	100	100	50	4

Suitable for: ● Soft and Hard Wood ● Chipboard ● Laminated Wood ● MDF

Adjustable Bevel Head

- Hard aluminium head for precise cuts, accurate bevelling and jointing.

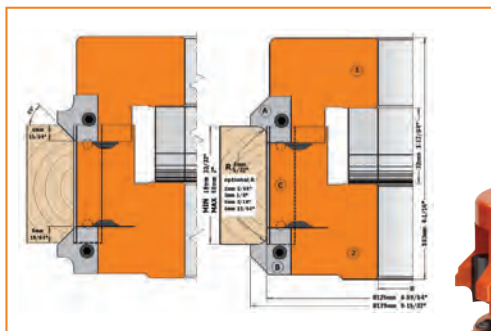


Part #	Diameter (mm)	Adjustable [°]	Bore (mm)
26-0376	155	+75/-75	31.7
26-0380	155	+60/-60	31.7
26-0384	155	+45/-45	31.7

Suitable for: ● Soft and Hard Wood ● Chipboard ● Laminated Wood ● MDF

Adjustable Rounding and Chamfer Head Set

- Hard aluminium head for easy rounding and chamfering on boards 18 - 50mm.
- Radius from 2-6mm and 45° chamfer.



Part #	Diameter (mm)	Adjustable from (mm)	Bore (mm)
26-0388	139	18-50	30
26-0392	139	18-50	31.7

Suitable for:

- Soft and Hard Wood
- Chipboard
- Laminated Wood
- MDF

Industrial Grooving Blades

- Brazed cutters for good quality grooving.



Part #	Diameter (mm)	Kerf (mm)	Teeth (No)
16-10320	125	3	12
16-10324	125	4	12
16-10328	125	5	12
16-10332	125	6	12
16-10336	125	8	12
16-2912	150	2	12
16-2876	150	3	12
16-2880	150	4	12
16-2884	150	5	12
16-2888	150	6	12
16-2892	150	8	12
16-2896	150	10	12

Suitable for:

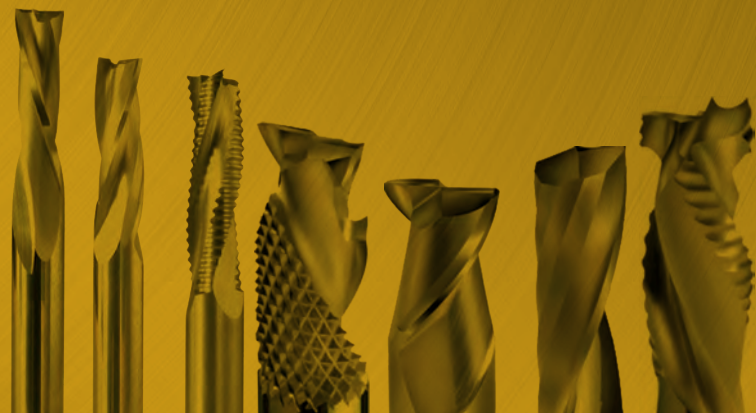
- Soft and Hard Wood
- Chipboard
- Laminated Wood
- MDF
- Aluminium



Cleaning & Lubricating

Delivered AM Sharp! 

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



Konig Green Recycling

All used/broken tungsten can be placed into this container to be recycled. We will weigh the tungsten and reimburse your account

Part

15-0212 KONIG Green Recycling Bin



GlideCote (formerly TOPCOTE)

For use on Dimension saw tables, Thicknesser tables etc. Greatly reduces friction so that boards slide freely. Silicone and Petroleum free so will not effect coatings or finishes needing to be applied to the material after machining.

Part

15-0200 GlideCote Can 305ml



BladeCote (formerly DRICOTE)

This easy to use spray is made expressly for the lubrication of cutting tools like router bits and sawblades. Because resin build up is reduced, tools run cooler, more accurate and stay sharper for longer. Effective on HSS, tungsten carbide and Diamond tooling

Part

15-0156 BladeCote Can 305ml



Gleiten Clean

This product is unsurpassed for cleaning tools with resin build up. Unlike competitive products it is non caustic, non acidic, non toxic and non volatile. Tools soaked in the solution are simply wiped clean and are left with an incredibly slick, clear surface coating. Effective on all tooling surfaces, especially Tungsten, PCD and Diamond.

Part

15-0200 Gleiten Clean 2Litre



Waxilit 22-2411

This Premium German manufactured product is a heavy duty surface lubricant. It is used to lubricate cutter heads in high production situations such as Sawmills and Timber Processing. It is also non petroleum, non silicone and will not build up on surfaces and no clogging. It is supplied as original equipment with the big names in timber processing equipment like Weinig, SCM. Non clogging, no build up.

Part #	
15-0216	WAXILIT Spray Can 400ml
15-0220	WAXILIT 20kg Drum



BOESHIELD T9

As the name suggests, this incredible lubricant was developed by BOEING for use on its aircraft operating and control systems. Unable to find a manufacturer anywhere in the world able to manufacture to their high performance standards, they went ahead and manufactured it themselves!

T9 is a superior Rust and Corrosion Protector. Containing petroleum products, solvents, lubricants and waxes it is designed for penetration, moisture displacement, lubrication and protection. It loosens corroded parts and dries to a thin waxy film that clings to metal for months. Ideal for infrequently used equipment and tooling. Can be sprayed on to a cloth and wiped on spindle tapers, collets and other tool holding equipment to inhibit corrosion. **Excellent router bearing lubricant.**

Part #	
15-0224	BOESHIELD 350ml Can



Gleiten-Lube AL

This German product is a non toxic, non allergenic and non volatile oil based lubricant specially for machining Aluminium. It is the original lubricant supplied with Elumatec, Emmegi, FOM aluminium processing gear.

Part #	
15-0100	GLEITEN-LUBE AL 5Litre
15-0112	GLEITEN-LUBE AL 20Litre Drum



Acmosital 2010

Resin removal and cleaning agent for saw blades in wood processing plants.

Part

15-0228 ACMOSITAL 2010 20kg Drum

Not suitable for use on alloy.



Acmos 23-5002

This German manufactured product is used in automatic lubricating systems for Finger Jointing and other timber machining processes. Available in 2 litre bottles and 20kg drums

Part

15-0232 ACMOS 23-5002 2Litre

15-0234 ACMOS 23-5002 20kg Drum



Collet Brushes

These Brass brushes are specifically designed for cleaning collets without scratching or damaging the collet.

Part # Diameter (mm)

34-0021	6.35
34-0022	9.5
34-0023	12.7
34-0025	19
34-0026	25.4
34-0020	4 Brush Kit 6.35 - 19mm
34-0024	5 Brush Kit 6.35 - 25.4mm



Tooling Maintenance Kit For CNC

A complete Cleaning and Lubricating kit for your CNC - including Spindle Taper Wiper, Collet Brushes, Collet Taper Wiper, Cutter Cleaning Liquid, Cloths.

Part

34-0032 TMK CNC Kit



Spindle Taper Wiper

For cleaning the taper where the toolholder mounts into the spindle of your CNC. Regular cleaning of this area ensures true concentricity and maximum power transition.

Part #	
34-0036	ISO 30 Taper Wiper
34-0040	HSK 63F Taper Wiper



Collet Taper Wiper

For cleaning the taper where the toolholder mounts into the spindle of your CNC. Regular cleaning of this area ensures true concentricity and maximum power transition. This area gets particularly dirty.

Part #	
15-0236	ER25 Collet Taper Wiper
15-0240	ER32 Collet Taper Wiper
15-0244	ER40 Collet Taper Wiper
15-0248	EOC[462E] Collet Taper Wiper



Have you heard of KONIG GREEN?



Let us show you how you can do your bit for the environment plus get some cash back!

KONIG GREEN is Tungsten & Tool's new initiative that enhances NZ's clean, green image by recycling your old cutters (and earns you \$\$\$ as well!)

How does it work?

- We provide you with a sturdy storage container for all your worn out or unusable solid carbide cutters – FREE
- Once the container is over ½ full, just phone 0800 488 647 and we'll arrange pick up.
- On receipt, we'll weigh your carbide and credit your account accordingly.
- It's as simple as that... and you can breath easy knowing that you're doing your bit fo NZ!



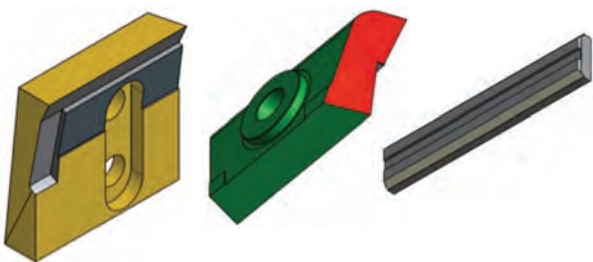


Industrial Wear Parts for Sawmills

For a number of years Tungsten & Tool have supplied specialised premium wear parts to the major players in the Wood Processing industry in NZ.

Konig Barkmaster Debarker Tips

Machined from solid steel with proprietary European manufactured Tungsten Carbide tips and Special steel Wear Plates, the Konig Barkmaster is legendary for long service life. Used in very large debarking machines in heavy duty, high volume applications.



Konig Anvil Plus

This is a modular Chipper Anvil system utilizing bolt fastened replaceable tungsten carbide sections.

This system offers considerable ongoing savings as only the damaged portion of the anvil is replaced. Simply unbolt the damaged section and replace with a new one – a 5 minute operation! Zero downtime!!

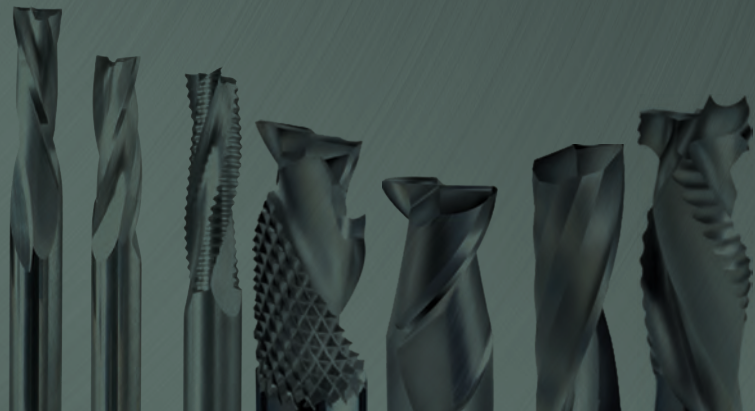




Parts

Delivered AM Sharp! 

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Industrial Ball Bearings



Part #	Outside Diameter [mm]	Inside Diameter [mm]	Width [mm]
9-2144	6.35	3.2	2.7
9-2612	9	4	4
9-2148	9.5	6.35	3.2
9-2152	9.5	4.8	3.2
9-2156	9.5	3.2	4
9-2160	12.7	6.35	4.8
9-2164	12.7	4.8	4.8
9-2560	13	4	5
9-2168	15.9	4.8	4.8
9-2172	15.9	6.35	4.8
9-2564	16	6.4	5
9-2176	19	12.7	4
9-2180	19	6	6
9-2184	19	6.35	7.1
9-2188	19	8	6
9-2192	20.6	6.35	7.6
9-2196	22	8	6.9
9-2200	24	8	8
9-2204	24	15	5
9-2208	28	8	9
9-2212	28	12	8
9-2214	28.6	12.7	8
9-2216	35	15	11

Industrial Ball Bearings



Part #	Outside Diameter [mm]	Inside Diameter [mm]	Width [mm]
9-2220	19	4.8	4.8
9-2224	22.2	4.8	4.8
9-2228	25.4	4.8	4.8
9-2232	28.6	4.8	4.8
9-2236	31.8	4.8	4.8
9-2240	34.9	4.8	4.8
9-2244	38.1	4.8	4.8
9-2248	41.3	4.8	4.8
9-2252	44.5	4.8	4.8

Industrial Ball Bearings

Smooth for Solid Surface Tools



Part #	Outside Diameter [mm]	Inside Diameter [mm]	Width [mm]	Bearing Used
9-2256	19	6.35	6	9-2160
9-2260	15.9	6.35	6	9-2160
9-2264	19	6.35	6	9-2172
9-2268	22	6.35	6	9-2172

Industrial Arbors with Nut



Part #	Shank Diameter [mm]	Mounting Diameter [mm]	Mounting Length [mm]	Overall Length [mm]
9-2100	6.35	6.35	28.8	60
9-2104	6.35	7.5	15.9	52.4
9-2072	6.35	8	22.2	60
9-2080	6.35	8	19.3	57.4
9-2112	6.35	8	38.1	76
9-2076	12.7	8	22	67
9-2084	12.7	8	19.3	63.7
9-2088	12.7	8	31.8	78.7
9-2116	12.7	8	37	84
9-2136	12.7	8	50	100
9-2092	12.7	12.7	24	78.7
9-2140	12.7	12.7	44	92
9-2142	12.7	16	52.5	96

Industrial Arbors with Screw



Part #	Shank Diameter [mm]	Mounting Diameter [mm]	Mounting Length [mm]	Overall Length [mm]
9-2108	6.35	7.5	0.8	37.2
9-2120	6.35	8	0.8	47
9-2128	6.35	8	3	46.4
9-2124	12.7	8	0.8	45.2
9-2132	12.7	8	3	47.5
9-2096	12.7	12.7	2.4	57.1

HP Industrial Flush Arbors with Screw



Part #	Shank Diameter (mm)	Mounting Diameter (mm)	Mounting Length (mm)	Overall Length (mm)
9-2924	6.35	-	-	55.5
9-2940	12.7	-	-	55.5
9-2948	12.7	8	11	62

Bearing Retainers



Part #	Inside Diameter (mm)	Outside Diameter (mm)
9-2284	6.35	12
9-2292	12.7	18

Collet Sleeves



Part #	Outside Diameter (mm)	Inside Diameter (mm)	Width (mm)
27-4528	2	10	25
27-4532	2.5	10	25
27-4536	3	10	25
27-4540	3.5	10	25
27-4544	4	10	25
27-4548	4.5	10	25
27-4552	5	10	25
27-1468	6.35	12.7	25
27-1472	9.5	12.7	25

Twist Drill Adaptors



Part #	Inside Diameter (mm)	Shank Diameter (mm)	Overall Length (mm)	Shank Length (mm)
27-3184	2	10	38	20
27-3188	2.5	10	38	20
27-3192	3	10	38	20
27-3196	3.2	10	38	20
27-3200	3.5	10	38	20
27-3204	4	10	38	20
27-3208	4.5	10	38	20
27-3212	5	10	38	20

Torx Screws



Part #	Thread Diameter [mm]	Thread Length [mm]	Fitting	Type
9-3100	2.5	4.5	T15	Lge Head
9-0728	3	4	T9	
9-0716	3	7	T8	
9-0628	3.5	4	T15	Lge Head
9-0720	3.5	5.5	T15	
9-3122	3.5	6	T15	
9-0636	4	4	T15	Lge Head
9-0632	4	5.9	T15	Lge Head
9-0828	5	12	T20	
9-0860	5	15.5	T20	

Torx Keys



Part #	Type
9-3704	T9
9-3708	T15
9-3712	T20

Bore Reducers



Part #	Reduced From [mm]	Reduced To [mm]
13-6040	31.75	30
13-6044	35	30
13-6048	35	31.75
13-6052	50	30

Pull Studs



Part #	D1	D	L	Thread	For
27-4456	8.5	6.5	22	M10	SCM, Morbidelli
27-4460	13	9	24	M12	Weeke, Busellato
27-4464	13	9	24	M12	Alberti, Masterwood
27-4480	12	8	24	M12	Biesse
27-4484	12	8	24	M12	Biesse, Masterwood
27-4496	11	7	23	M12	BT30, BT40, Shoda, Mityboy



Diamond for Concrete & Granite

Delivered AM Sharp! 

Orders placed before 4pm Monday to Friday are delivered the next day in New Zealand with all orders over \$100 + GST delivered for free.



General Purpose Concrete Blades

Dual Application Blades

Xtreme Performance

- For the Xtreme Concrete Cutter.
- Large 10mm segment.
- Self cooling technology.
- Deep undercut protection.



Part #	Cut Diameter [mm]	Segment	Bore [mm]
29-1041	300	10	20
29-1042	300	10	22
29-1043	350	10	20
29-1044	350	10	25
29-1046	400	10	20
29-1048	400	10	25
29-1050	450	10	25

Suitable for: All Concrete and reinforcing Asphalt
 Grit Stone

Dual Application Blades

Pro Performance

- For the Professional Concrete Cutter.
- Large 12mm segment.
- Deep undercut protection.



Part #	Cut Diameter [mm]	Segment	Bore [mm]
29-2792	300	12	20
29-2796	300	12	22
29-2800	350	12	20
29-2804	350	12	25
29-2808	400	12	20
29-2812	400	12	25
29-2816	450	12	25

Suitable for: All Concrete and reinforcing Asphalt
 Grit Stone

Trade Performance

- For the Professional Concrete Cutter.
- Large 8mm segment.
- Deep undercut protection.



Part #	Cut Diameter [mm]	Segment	Bore [mm]
29-1057	300	8	20
29-1058	300	8	22
29-1059	350	8	20
29-1060	350	8	25
29-1061	400	8	20
29-1062	400	8	25
29-1063	450	8	25

Suitable for: All Concrete and reinforcing Asphalt
 Grit Stone

Cup Grinder Wheels

Professional Performance

- Premium double row cup grinder for long-life.



Part #	Cut Diameter [mm]	Bore [mm]
29-1064	100	16
29-1066	115	22
29-1068	125	22
29-1072	180	22

Suitable for: All Concrete and Stone

Professional Performance

- Outstanding removal of paints, glues and epoxies.
- Leaves surface slightly scored for excellent keying in of new coating.



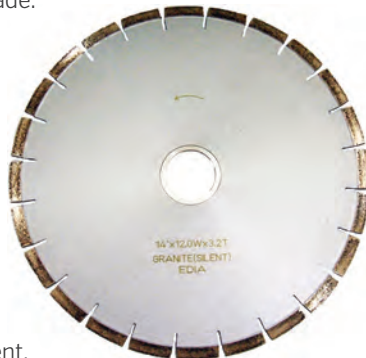
Part #	Cut Diameter [mm]	Bore [mm]
29-2848	100	22
29-2852	125	22
29-2856	180	22

Suitable for: All Concrete and Stone

Professional Performance Diamond Blade

For Granite & Engineered Stone

- High quality wet cutting blade.
- Large 20mm segment.
- Fast cutting speed.



Part #	Cut Diameter [mm]	Segment	Bore [mm]
29-2860	400	20	60
29-2864	450	20	60

Suitable for: Granite and Engineered Stone

For Granite

- Silent blade.
- Silver Brazed 10mm segment.
- Fast cutting speed.
- Can be used on drop saw or bridge saws for granite.

Part #	Cut Diameter [mm]	Segment	Bore [mm]
29-2868	350	10	50/60
29-2872	400	10	50/60
29-2876	500	10	50/60

Suitable for: Granite

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Imperial to Metric Conversion Chart



Fraction [inch]	MM	Fraction [inch]	MM	Fraction [inch]	MM	Fraction [inch]	MM
1/64	0.39	9/64	3.57	17/64	6.74	25/64	9.92
1/32	0.79	5/32	3.96	9/32	7.14	13/32	10.31
3/64	1.19	11/64	4.36	19/64	7.54	27/64	10.71
1/16	1.58	3/16	4.76	5/16	7.93	7/16	11.11
5/64	1.98	13/64	5.15	21/64	8.33	29/64	11.5
3/32	2.38	7/32	5.55	11/32	8.73	15/32	11.9
7/64	2.77	15/64	5.95	23/64	9.12	31/64	12.3
1/8	3.17	1/4	6.35	3/8	9.52	1/2	12.7

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-  State-of-the-art, superior products
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-  Precision cutting tools for almost any material and application
-  Associations with specialist international cutting labs
-  Commitment to delivering premium, cost-effective options from local and across the world
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-  Ensure you get the right products as well as the best products
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