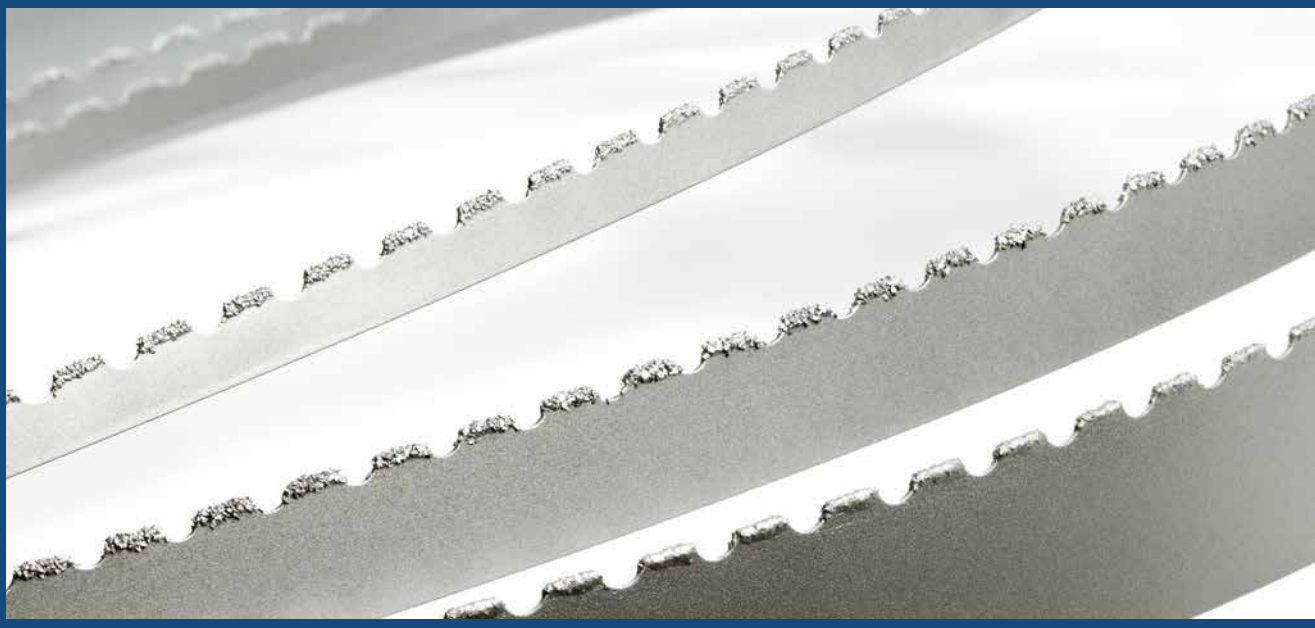
Tungsten Carbide Grit Band Saw Blades

High performance blades for hard and abrasive materials



Innovative blade technology for demanding situations and exacting standards.

C4 carbides
CUTTING EDGE TECHNOLOGY

C4 Carbides Tungsten Carbide Grit Band Saw Blades bring productivity to a new level. These blades are ideal for cutting hard, abrasive and brittle materials that defeat the most advanced toothed alternatives.

Versatile Range

Our range is available in a variety of widths, five grit grades and two styles, gulleted or continuous. Continuous blades are best used for brittle materials or thin section work, gulleted blades for everything else.

Fine grit blades are used to cut thinner sections, extremely hard materials or where a fine finish is required. Coarser grit is much more aggressive and is used for thicker and more abrasive materials.

Continuing Development

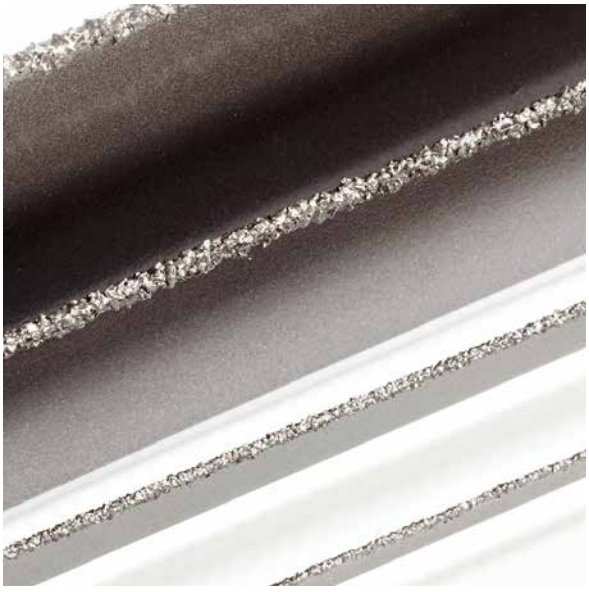
The performance characteristics of our blades are the result of extensive research into both the metallurgical properties of bonded carbide and the mechanical behaviour of band saw in action. By adjusting these parameters in combination, the blades are fine tuned to suit their cutting task.

Our band saw blades are part of a wide range of high performance tools and blades that exploit the properties of Tungsten Carbide or Diamond Grit to great effect, including hole saws, reciprocating saws and jig saw blades.

Features

- Tungsten Carbide Grit is metallurgically bonded to a steel backer to form permanent cutting edges instead of teeth. No teeth means reduced risk of snagging or chipping on hard-to-cut materials.
- The grinding cutting action produces clean, smooth cuts which typically require no secondary finishing.
- The inherent toughness of Tungsten Carbide Grit results in an extremely durable blade which stays sharper for longer.
- Tough alloy steel backer and precision milled gullets offer greater fatigue resistance and longer life.
- Unlike toothed blades, these blades can be reversed to extend their life, resulting in a significantly better return on investment.

Gulleted



Continuous

Technical Specifications

Gulleted Tungsten Carbide Grit Blades

	Fine 150 - 212 micron 70/100 mesh				Medium 212 - 300 micron 50/70 mesh				Medium Coarse 300 - 425 micron 40/50 mesh				Coarse 425 - 600 micron 30/40 mesh				Extra Coarse 600 - 850 micron 20/30 mesh			
Width (W)		Guage (G)		Coated Kerf (K)		Overall Width (H)		Coated Kerf (K)		Overall Width (H)		Coated Kerf (K)		Overall Width (H)		Coated Kerf (K)		Overall Width (H)		Coated Kerf (K)		Overall Width (H)	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
¼	6.4	0.020	0.5	0.045	1.15	0.266	6.8	**0.051**	**1.30**	**0.270**	**6.9**												
⅜	9.5	0.025	0.6	0.051	1.30	0.391	9.9	**0.057**	**1.45**	**0.395**	**10.0**	**0.067**	**1.70**	**0.399**	**10.1**	0.081	2.05	0.403	10.2				
½	12.7	0.020	0.5	0.045	1.15	0.515	13.1	**0.051**	**1.30**	**0.520**	**13.2**	**0.061**	**1.55**	**0.524**	**13.3**	0.075	1.90	0.528	13.4				
½	12.7	0.025	0.6	0.051	1.30	0.516	13.1	**0.057**	**1.45**	**0.520**	**13.2**	**0.067**	**1.70**	**0.524**	**13.3**	0.081	2.05	0.528	13.4				
¾	19.1	0.032	0.8	0.057	1.45	0.766	19.5	**0.063**	**1.60**	**0.770**	**19.6**	**0.073**	**1.85**	**0.774**	**19.7**	**0.087**	**2.20**	**0.778**	**19.8**				
1	25.4	0.035	0.9					0.067	1.70	1.020	25.9	**0.077**	**1.95**	**1.024**	**26.0**	**0.091**	**2.30**	**1.028**	**26.1**	0.110	2.80	1.031	26.2
1¼	31.8	0.035	0.9					0.067	1.70	1.270	32.3	**0.077**	**1.95**	**1.274**	**32.4**	**0.091**	**2.30**	**1.278**	**32.5**	0.110	2.80	1.281	32.6
1¼	31.8	0.042	1.1					0.075	1.90	1.270	32.3	**0.085**	**2.15**	**1.274**	**32.4**	**0.098**	**2.50**	**1.278**	**32.5**	0.118	3.00	1.281	32.6
1½	38.1	0.042	1.1					0.075	1.90	1.520	38.6	0.085	2.15	1.524	38.7	**0.098**	**2.50**	**1.528**	**38.8**	**0.118**	**3.00**	**1.531**	**38.9**
1.64	41.7	0.050	1.3					0.083	2.10	1.660	42.2	0.093	2.35	1.664	42.3	**0.106**	**2.70**	**1.668**	**42.4**	0.126	3.20	1.671	42.5
2	50.8	0.050	1.3					0.083	2.10	2.020	51.3	0.093	2.35	2.024	51.4	**0.106**	**2.70**	**2.028**	**51.5**	0.126	3.20	2.031	51.6

Continuous Tungsten Carbide Grit Blades

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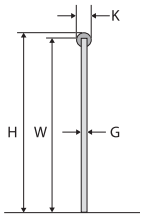
Sizes in **Bold** are standard blades, all other sizes are available to order.



Legend

W = Width
G = Guage
K = Coated Kerf
H = Overall Width

Tungsten Carbide Grit Band Saw Blades

Applications and recommended blades

Material	Problem	Speed* (smpm)	Speed* (sfpm)	Coolant Yes/No	Fine	Medium	Medium Coarse	Coarse	Extra Coarse	Blade type
Aircraft and Sheet stainless steel	Work Hardening	46-152	150-500	Y		●	●	●		
Aircraft Flooring and interiors (composite)	Abrasive	305-915	1000-3000	N	●	●				
Aluminium Oxide	Abrasive	305-915	1000-3000	N		●	●	●		
Carbon Graphite	Abrasive	305-1220	1000-4000	N		●	●	●	●	
Cast Iron	Hard Abrasive	46-92	150-300	N		●	●	●	●	
Industrial Ceramics	Abrasive	305-915	1000-3000	N		●	●	●		
Composites, Concrete building panels, Laminates	Abrasive Snags Chips	305-915	1000-3000	N	●	●				
Fibreglass honeycomb	Abrasive	1220-1830	4000-6000	N	●	●				
Glass, Glass Block	Hard Abrasive	152-915	500-3000	Y	●					
Nickel Alloys	Work Hardening	37-107	120-350	Y		●	●	●		
Nitride case, induction hardened and tool steel	Hardened	46-91	150-300	Y		●	●	●	●	
Stone Minerals	Abrasive	46-183	150-600	N		●	●	●		
Tyres Wire reinforced rubber	Snags	366-915	1200-3000	Y		●	●	●	●	
Titanium	Tough Hard	46-92	150-400	Y		●	●			

Gulleted Edge

Continuous Edge

***Important Disclaimer:** Machine setting parameters are meant as a guide for end-users. Band saw blades may be run at alternative speeds determined by machine type, machinery service condition, work holding and cutting media. All of these variables may have an impact on product performance.

C4 carbides
CUTTING EDGE TECHNOLOGY

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