

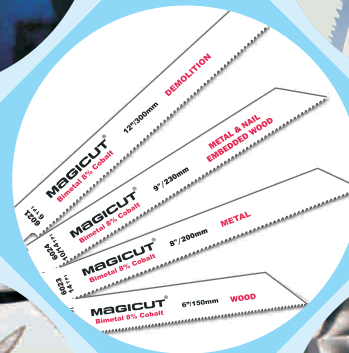
MAGICUT[®]

HAND TOOLS

CUTTING TOOLS

POWER TOOL ACCESSORIES

33
Years
Since 1982

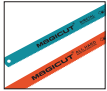


END-TO-END SOLUTIONS

for all Sawing Needs...

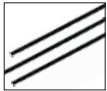
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Power Hacksaw Blades

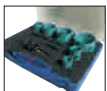
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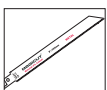
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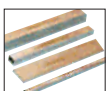
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Bimetal Bandsaw Blades

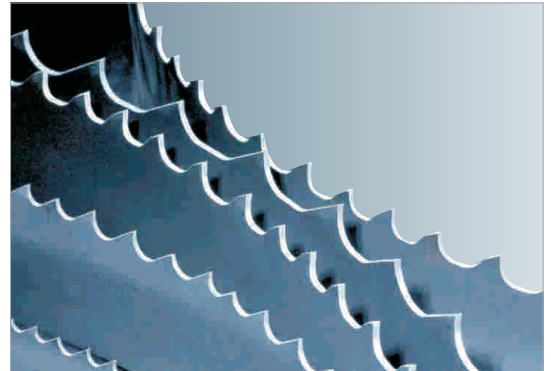
MAGICUT® Boxer 8% Cobalt

General Purpose

As the name suggest these blades are perfect for cutting materials with moderate machinability and offer good value in maintenance shops and small fabrication shops. These blades are good for small and medium sized bandsaw machines and the variable teeth pitch can handle a wide variety of sizes.

Applications

- Interrupted cuts: pipe, tubing, angle iron, channel
- Cutting applications: single piece, bundles, stacked pieces
- Materials: carbon steels, structural steels - A36



MAGICUT® Amaze M42

These blades are suitable for high production speeds on difficult to machine solids and heavy walled structures. The hardened and strong M42 teeth with a solid backing material cuts solids and heavy walled structures and its variable teeth's pitches can handle a wide variety of cross section sizes.

Applications

- Solids
- Heavy walled structures
- Carbon Steels
- Alloy Steels
- Stainless Steels
- Medium to heavy production machines.

MAGICUT® Splender M42

M42 *PLUS* grade is known for it's dependably for superb strength to cut mild to tough materials. It can also effectively cut layers and bundles of large profiles and solids. Boasts of excellent performance in a wide range of materials and is a consistent performer with exceptional tooth durability and fatigue resistance

Applications

- Production cutting materials ranging from Carbon to Stainless Steel
- Layer & Bundle Cuts for cutting Carbon Steel & various kinds of Alloy Steel, Tool Steel & Stainless Steel
- Large Profiles & Solids of Carbon Steel, Alloy Tooth Steel and Stainless Steel.

MAGICUT® Triumph M51

Highly fatigue resistant to eliminate premature brakeage. Excellent in solid tool steels and small to medium stainless and nickel based alloys. These blades have special high speed steel tooth edges along with a superior alloy steel backing material. Because of the high quality of these blades a fewer blade changes can be done to cover a wider range of materials resulting in lesser downtime. These blades are the finest choice for cutting exotics, stainless steels and large solids.

Applications

- High Production Cutting Solids of Tool Steel
- Small to medium solids of stainless steel (SS 304/316)
- Nickel Based Alloys, Inconel & Monel
- All Machinable Metals in single pieces or bundles
- High production cutting
- Stainless steels
- Exotics, Inconel, Hastalloy

Bimetal Bandsaw Blades

Variable Pitch – Positive Rake

Width X Thickness		Teeth Per Inch (Variable)					
Inches	mm	.75 / 1.1	1.4/2	2/3	3/4	4/6	5/8
3/4 x .035	19 x .90					●	●
1 x .035	27 x .90			●	●	●	●
1-1/4 x .042	34 x 1.10			●	●	●	●
1-1/2 x .050	41 x 1.30		●	●	●	●	●
2 x .050	54 x 1.30		●	●	●	●	●
2 x .063	54 x 1.60	●	●	●	●	●	●
2-5/8 x .063	67 x 1.60	●	●	●	●		

Variable Pitch – 0° Rake

Width X Thickness		Teeth Per Inch (Variable)		
Inches	mm	6/10	8/12	10/14
3/8 x .035	9.5 x .90			●
1/2 x .025	12.7 x .64	●	●	●
1/2 x .035	12.7 x .90	●	●	●
3/4 x .035	19 x .90	●	●	●
1 x .035	27 x .90	●	●	●
1-1/4 x .042	34 x 1.10	●	●	●
1-1/2 x .050	41 x 1.30	●	●	●

Straight Pitch

Width X Thickness		Teeth Per Inch						
Inches	mm	3	6	8	10	14	18	24
		HOOK	RAKER				WAVY	
3/8 x .035	9.5 x .90				●	●		
1/2 x .025	12.7 x .64					●		
1/2 x .035	12.7 x .90		●	●	●	●		
3/4 x .035	19 x .90	●	●	●	●	●	●	
1 x .035	27 x .90	●	●	●	●	●		

All teeth are with 0°rake angle except 3 tpi that is with positive rake.
Straight Pitch teeth are most often used when the cross sectional size range is consistent.

Carbon Steel Bandsaw Blades

MAGICUT® Carbon Steel Bandsaw Blades Boast of excellent wear resistance and sharper points with uniform setting making it a quality blade. Teeth of these blades are flame hardened to impart uniform hardness. The process consists of hardening the tips of the teeth only which not only adds strength but also gives ability to resist



Applications

- Low alloy, easy-to machine ferrous metals
- Non-ferrous metals : Brass/Copper, Bronze, Aluminum and Lead
- Wood, Plastic, Cork, Composition board, Plywood

Metal Cutting

Size in inch	Size in mm	TPI								Pitch in mm							
1/4 X 0.025 (23G)	6.35 X 0.63	6	8	10	14	18	24	32		4.0	3.2	2.5	1.8	1.4	1.0	0.8	
3/8 X 0.025 (23G)	9.53 X 0.63	6	8	10	14	18	24	32		4.0	3.2	2.5	1.8	1.4	1.0	0.8	
1/2 X 0.025 (23G)	12.70 X 0.63	6	8	10	14	18	24	32		4.0	3.2	2.5	1.8	1.4	1.0	0.8	
5/8 X 0.032 (21G)	15.88 X 0.80	6	8	10	14	18				4.0	3.2	2.5	1.8	1.4			
3/4 X 0.032 (21G)	19.05 X 0.80	4	6	8	10	14	18			6.3	4.0	3.2	2.5	1.8	1.4		
1 X 0.035 (20G)	25.40 X 0.90	4	6	8	10	14				6.3	4.0	3.2	2.5	1.8			
1.1/4 X 0.035 (20G)	32.35 X 0.90	4	6	8	10	14				6.3	4.0	3.2	2.5	1.8			

Endless Welded Bands

Width		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
Thickness		1/4	6.35	3/8	9.53	1/2	12.70	5/8	15.88	3/4	19.05	1.0	25.4
		0.025	0.63	0.025	0.63	0.025	0.63	0.032	0.80	0.032	0.80	0.035	0.90
Length													
Imperial	mm												
5'	1524	*		*		*		*		*			
6'	1829	*		*		*		*		*			
7'	2134	*		*		*		*		*			
8'	2438	*		*		*		*		*			
9'	2743	*		*		*		*		*			
10'	3048	*		*		*		*		*		*	
11'	3353	*		*		*		*		*		*	
12'	3658	*		*		*		*		*		*	
13'	3962	*		*		*		*		*		*	
14'	4267	*		*		*		*		*		*	
15'	4572	*		*		*		*		*		*	
16'	4877	*		*		*		*		*		*	
17'	5182	*		*		*		*		*		*	
18'	5486	*		*		*		*		*		*	
19'	5791	*		*		*		*		*		*	
20'	6096	*		*		*		*		*		*	
21'	6401	*		*		*		*		*		*	
22'	6706	*		*		*		*		*		*	

Power Hacksaw Blades



MAGICUT® Bimetal High Speed Steel

Are flexible, tough power hacksaw blade of bimetal material, with a toothed strip of high speed steel and a backing strip of of spring steel that are able to withstand heavy feed pressures, giving economical and high cutting rates. These bimetal high speed steel edge blades are the best for tough materials and conditions of all types. The cutting edge of high speed steel gives them unparalleled cutting efficiency and the tough alloy steel back resists breakage when used under less than ideal conditions. Blades will handle irregular shapes and interrupted cuts with ease.



MAGICUT® Bimetal Cobalt

Are manufactured using a combination of bimetal 8% cobalt high speed steel along with spring steel backing material making it both flexible and tough at the same time. The cobalt bimetal high speed steel gives the hacksaw blades hot hardness, resulting it to withstand heavier feed pressure for faster and better cutting compared to other types of hacksaw blades. The additional alloys give it a hardened cutting edge and that along with the precise teeth setting and advance heat treatment ensures a high level of quality. These blades are ideal for long life and top performance in sawing a wide range of material without breakage.



MAGICUT® All Hard High Speed Steel

Are traditional high speed steel all hard power hacksaw blades having a fully hardened back and cutting edge. Each blade is precisely hardened throughout its entire width to give a strong, rigid back. It is recommended to be used for high productions applications. These solid high speed steel blades will withstand heavier feed pressure for faster, better cutting than other types of hacksaw blades.

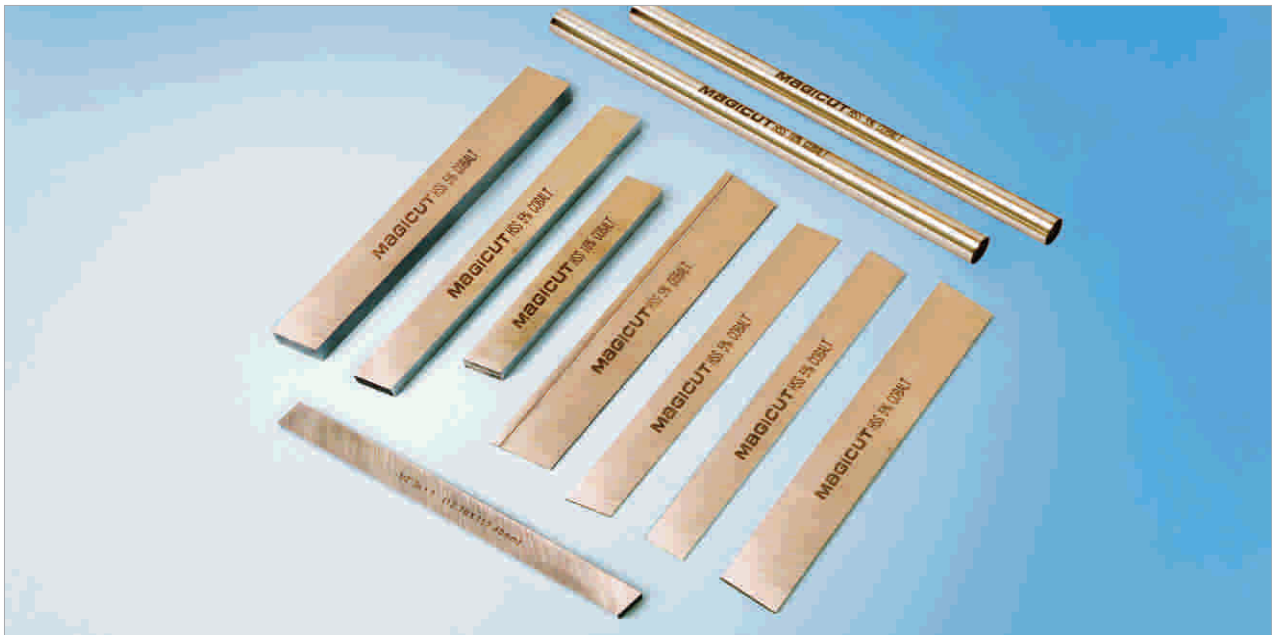
Power Hacksaw Blades

Size in inch	Size in mm	TPI
12 x 5/8 x 0.032	300 X 16 X 0.80	10,14,18,24
12 x 3/4 x 0.032	300 X 20 X 0.80	10,14,18
12 X 3/4 X 0.050	300 X 20 X 1.25	10,14,24
12 X 1 X 0.050	300 X 25 X 1.25	4,6,10,14,18,24
12 X 1 X 0.062	300 X 25 X 1.60	6,8,10,14,24
12 X 1.1/4 X 0.062	300 X 32 X 1.60	8,10,14,24
12 X 1.1/4 X 0.062	300 X 32 X 1.60	K 6,8,10,14,18
12 X 1.1/4 X 0.080	300 X 32 X 2.00	4,6,8,10,14,18
12 X 1.1/4 X 0.080	300 X 32 X 2.00	K 4,6,8,10,14
13 X 1.1/4 X 0.062	325 X 32 X 1.60	6,8,10,14
13 X 1.1/4 X 0.062	325 X 32 X 1.60	K 6,8,10,14,18
14 X 5/8 X 0.032	350 X 16 X 0.80	10,14,18,24
14 X 3/4 X 0.032	350 X 20 X 0.80	10,14,18
14 X 1 X 0.050	350 X 25 X 1.25	6,8,10,14,18
14 X 1 X 0.062	350 X 25 X 1.60	6,10,14
14 X 1.3/16 X 0.080	350 X 30 X 2.00	4,6,8,10,14
14 X 1.1/4 X 0.062	350 X 32 X 1.60	4,6,8,10,14
14 X 1.1/4 X 0.062	350 X 32 X 1.60	K 4,6,8,10,14
14 X 1.1/4 X 0.080	350 X 32 X 2.00	4,6,8,10,14
14 X 3/8 X 0.080	350 X 35 X 2.00	3,4,6,8,10,14
14 X 1.1/2 X 0.062	350 X 40 X 1.60	4,6,8,10
14 X 1.1/2 X 0.080	350 X 40 X 2.00	4,6,8,10,14
14 X 1.1/4 X 0.080	350 X 32 X 2.00	K 4,6,8,10,14
14 X 1.7/16 X 0.062	350 X 36 X 1.60	K 4,6,8,10,14
14 X 1.7/16 X 0.080	350 X 36 X 2.00	K 4,6,8,10,14
14 X 1.3/4 X 0.88	350 X 45 X 2.25	4,6,8,10
16 X 1 X 0.050	400 X 25 X 1.25	6,8,10,14,18
16 X 1 X 0.062	400 X 25 X 1.60	6,10,14
16 X 1.3/16 X 0.062	400 X 30 X 1.60	8,10,14
16 X 1.3/16 X 0.080	400 X 30 X 2.00	3,4,6,8,10,14
16 X 1.1/4 X 0.062	400 X 32 X 1.60	4,6,8,10,14
16 X 1.1/4 X 0.080	400 X 32 X 2.00	4,6,10,14
16 X 1.1/4 X 0.080	400 X 32 X 2.00	K 4,6,10,14
16 X 1.3/8 X 0.080	400 X 35 X 2.00	4,6,8,10,14
16 X 1.3/8 X 0.080	400 X 35 X 2.00	K 3,4,6,8,10,14
16 X 1.1/2 X 0.062	400 X 40 X 1.60	4,6,8,10
16 X 1.1/2 X 0.080	400 X 40 X 2.00	4,6,8,10
16 X 1.1/2 X 0.080	400 X 40 X 2.00	K 4,6,8,10,14
16 X 1.1/2 X 0.080	400 X 40 X 2.00	4,6,8,10,14
16 X 1.3/4 X 0.088	400 X 45 X 2.25	4,6,8,10
17 X 1 X 0.050	425 X 25 X 1.25	8,10,14
17 X 1.1/4 X 0.062	425 X 32 X 1.60	4,6,8,10
17 X 1.3/16 X 0.080	425 X 30 X 2.00	4,6,8,10,14

Size in inch	Size in mm	TPI
17 X 1.3/16 X 0.80	425 X 30 X 2.00	4,6,8,10,14
17 X 1.3/8 X 0.80	425 X 35 X 2.00	4,6,8,10,14
17 X 1.1/2 X 0.062	425 X 40 X 1.60	4,6,10
18 X 1 X 0.050	450 X 25 X 1.25	10,14
18 X 1.3/16 X 0.080	450 X 30 X 2.00	4,6,8,14
18 X 1.1/4 X 0.062	450 X 32 X 1.60	4,6,,8,10,14
18 X 1.1/4 X 0.080	450 X 32 X 2.00	4, 6, 8, 10,14
18 X 1.1/2 X 0.062	450 X 40 X 1.60	4,6,10
18 X 1.3/8 X 0.080	450 X 35 X 2.00	4,6,8,10,14
18 X 1.1/2 X 0.080	450 X 40 X 2.00	K 4,6,8,10
18 X 1.3/4 X 0.080	450 X 45 X 2.00	3,4,6,8,10,14
18 X 1.3/4 X 0.088	450 X 45 X 2.25	4,6,10
19 X 1.3/8 X 0.080	475 X 35 X 2.00	3,4,6,8,10,14
19 X 1.3/4 X 0.088	475 X 45 X 2.25	4,6,8,10
20 X 1.1/4 X 0.062	500 X 32 X 1.60	4,6,10
20 X 1.1/4 X 0.80	500 X 32 X 2.00	4,6,10
20 X 1.1/2 X 0.062	500 X 40 X 1.60	4,6,10
20 X 1.1/2 X 0.080	500 X 40 X 2.00	4,6,8,10,14
20 X 1.1/2 X 0.100	500 X 40 X 2.50	3,4,6,8,10
20 X 1.3/4 X 0.080	500 X 45 X 2.00	4,6,8,10
20 X 1.7/8 X 0.100	500 X 48 X 2.50	K 3,4,6,8
20 X 2 X 0.100	500 X 50 X 2.50	3,4,6,8,10
21 X 1.1/2 X 0.080	525 X 40 X 2.00	4,6,10
21 X 1.1/2 X 0.080	525 X 40 X 2.00	4,6,8,10
21 X 1.3/4 X 0.080	525 X 45 X 2.00	4,6,8,10,14
21 X 1.3/4 X 0.088	525 X 45 X 2.25	4,6,8,10
21 X 2 X 0.100	525 X 50 X 2.50	3,4,6,8,10
22 X 1.1/2 X 0.080	550 X 40 X 2.00	3,4,6,8,10
22 X 1.3/4 X 0.100	550 X 45 X 2.50	3,4,6,8,10
22 X 1.3/4 X 0.080	550 X 45 X 2.00	K 4,6,8,10
22 X 2 X 0.100	550 X 50 X 2.50	3,4,6,8
22 X 2 X 0.100	550 X 50 X 2.50	K 3,4,6,8
23 X 1.3/4 X 0.088	575 X 45 X 2.25	4,6,10
23 X 1.3/4 X 0.100	575 X 45 X 2.50	3,4,6,8
23 X 2 X 0.100	575 X 50 X 2.50	4,6,8
23 X 2 X 0.100	575 X 50 X 2.50	K 4,6,8
24 X 1.1/2 X 0.080	600 X 40 X 2.00	4,6,10
24 X 1.1/2X 0.0100	600 X 40 X 2.50	4,6,10
24 X 1.3/4 X 0.088	600 X 45 X 2.25	4,6,10
24 X 2 X 0.080	600 X 50 X 2.00	4,6,10
24 X 2 X 0.100	600 X 50 X 2.50	4,6,8
24 X 2 X 0.100	600 X 50 X 2.50	K 3,4,6,8

K - Kasto Saw Blade with offset clamping holes

High Speed Steel Tool Bits & Cut-Off Blades



MAGICUT® HSS M - 2 Tool Bits

Made from High Speed Steel bearing tungsten-molybdenum grade for use on relatively soft material.

MAGICUT® HSS M - 35 Tool Bits

Made from High Speed Steel bearing 5% Cobalt. It is an economical grade for general purpose use in workshop and is best suited for applications involving interrupted cuts and roughing operation.

MAGICUT® HSS M - 42 Tool Bits

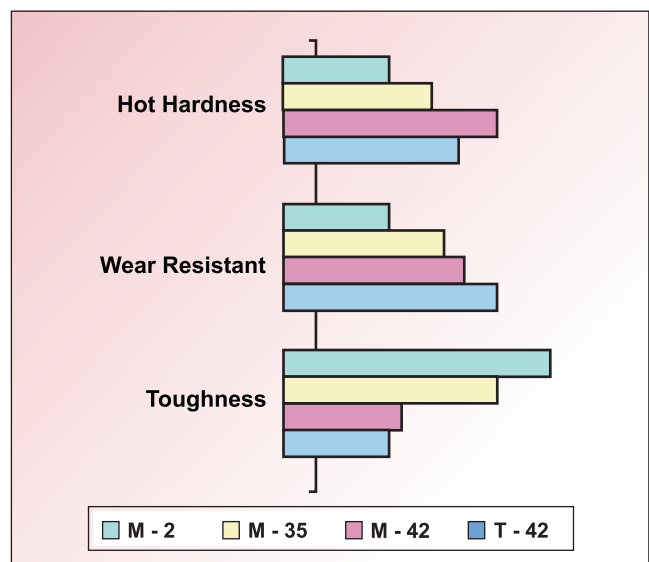
Have a high degree of hot hardness and wear-resistance. Made from High Speed Steel bearing 8% Cobalt, these offer top efficiency on difficult-to-machine alloys and high strength steels.

MAGICUT® HSS T - 42 Tool Bits

Have exceptional wear resistance property. Made of 10% Cobalt bearing High Speed Steel, these have high hot hardness, edge-holding ability in addition to ample toughness for all types of cutting tool applications including those at high temperatures and speeds. They are especially adopted for roughing or finishing operations where maximum tool life is required; for large-batch automatic lathe work and all types of lathe and boring operations.

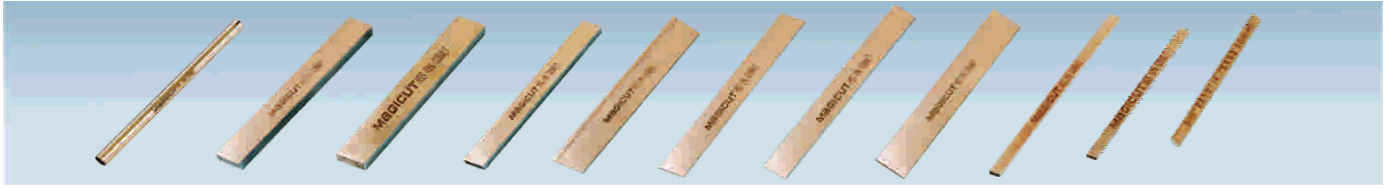
Relative Properties Of Magicut Grades

Depending on the nature of cutting operation like ease of cutting, hardness of job, machineability of the job, speed of cutting and heat generated at the cutting action the right grade of tool is to be selected. The relative hot hardness, wear resistance and toughness of various grades are indicated in the chart to serve as a general guide.



Tool Bits can be supplied with Cryogenic Treatment

High Speed Steel Tool Bits & Cut-Off Blades



Square & Round Tool Bits

Forms	Measures
	W L

Size in inches					
W/d	L				
1/8	2 1/2	3	4		
3/16	2 1/2	3	4	6	
1/4	2 1/2	3	4	6	8
5/16	2 1/2	3	4	6	8
3/8		3	4	6	8
7/16		3 1/2	4	6	8 10
1/2		3	4	6	8 10
5/8			4 1/2	6	8
3/4			4	5	6 8
7/8				6	8
1				6	7 8 10
1.1/8					8 10
1.1/4					8 10
1.1/2					8 10

Forms	Measures
	d L

Corresponding Size in mm					
W/d	L				
3	65	75	100		
5	65	75	100	150	
6	65	75	100	150	200
8	65	75	100	150	200
10		75	100	150	200
11		90	100	150	200 250
12		75	100	150	250
16			115	150	200
20		100	125	150	200
22				150	200
25				150	175 200 250
30					200 250
35					200 250
40					200 250

Rectangular / Flat Tool Bits

Forms	Measures		
	W	H	L

Size in inches			
W	H	L	
1/8	1/2	4	
1/4	3/8	4	6
1/4	1/2	3	4 6
1/4	3/4	4	5 6
1/4	1		6
5/16	3/8	4	
5/16	7/16	3	
5/16	1/2	4	
5/16	3/4	4	
5/16	1		6
3/8	1/2	3	4 6
3/8	5/8	4	5 6
3/8	3/4	4	5 6
3/8	1		6
1/2	3/4	4	5 6
1/2	1		6 7
1/2	1 1/4		7
1/2	1 1/2		7
5/8	3/4	5	6
5/8	7/8		6
5/8	1	4	6 7
5/8	1 1/4	4	6 7
5/8	1 1/2		6
3/4	1		6 7
3/4	1 1/2		7
1	1 1/4	6	7

Corresponding Size in mm				
W	H	L		
3	12	100		
6	10	100	150	
6	12	75	100	150
6	20	100	125	150
6	25			150
8	10	100		
8	11	75		
8	12	100		
8	20	100		
8	25			150
10	12	75	100	
10	16	100	125	150
10	20	100	125	150
10	25			150
12	20	100	125	150
12	25			150 175
12	32			175
12	38			175
16	20		125	150
16	22			150
16	25	100	150	175
16	32	100	150	175
16	38			150
20	25			150 175
20	38			175
25	32			150 175

High Speed Steel Tool Bits & Cut-Off Blades

Single & Double Bevelled Tapered Ground Cut-Off Blades

Forms			Measures		
			W	H	L
Size in inches					
W	H	L			
1/16	1/2	4 1/2			
1/16	1 1/16	5			
3/32	1/2	4 1/2			
3/32	5/8	5			
1/8	1/2	4 1/2			
1/8	3/4	5			
1/8	7/8	6			
3/16	3/4	6			
3/16	1	6 1/2			
3/16	1 1/8	7			
1/4	1 1/8	7			
1/4	1 1/4	7			

Forms			Measures		
			W	H	L
Corresponding Size in mm					
W	H	L			
1.50	12	115			
1.50	18	125			
2.50	12	115			
2.50	16	125			
3	12	115			
3	20	125			
3	22	150			
5	20	150			
5	25	165			
5	28	175			
6	28	175			
6	32	175			

P - Type / T - Shaped Cut-Off Blades

Forms			Measures		
			W	H	L
Size in inches					
Ref. No.	W	H	L		
P1N	0.40	1/2	3.1/2		
P1	1/16	1/2	4 1/2		
P2N	5/64	1/2	4 1/2		
P2	3/32	1/2	4 1/2		
P3S	1/8	1/2	4 1/2		
P3N	3/32	1 1/16	5		
P3W	1/8	1 1/16	5		
P4W	5/32	1 1/16	5		
P52	3/16	1 1/16	5		
P5X	1/8	3/4	5		
P5N	5/32	3/4	5		
P5	3/16	3/4	5		
P8	1/8	7/8	6		
P8N	5/32	7/8	6		
P8	3/16	7/8	6		
P9	1/4	7/8	6		

Corresponding Size in mm					
Ref. No.	W	H	L		
P1N	1		90		
P1	1.50	12	115		
P2N	2	12	115		
P2	2.50	12	115		
P3S	3	12	115		
P3N	2.50	18	125		
P3W	3	18	125		
P4W	4	18	125		
P52	5	18	125		
P5X	3	20	125		
P5N	4	20	125		
P5	5	20	125		
P8	3	22	150		
P8N	4	22	150		
P8	5	22	150		
P9	6	22	150		

Parting Tools

Forms			Measures		
			W	H	L
Size in inches					
W	H	L			
3/32	1/2	4			
3/32	5/8	5			
1/8	3/4	6			
1/8	7/8	6			
3/16	1	6			

Corresponding Size in mm					
W	H	L			
2.50	12	100			
2.50	16	125			
3	20	150			
3	22	150			
5	25	150			



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Due to continuous product development and improvement, Trident Tools reserves the right to modify product design, specification and material without prior notice. E & OE.