MAGICUT®

HAND TOOLS

CUTTING TOOLS

POWER TOOL ACCESSORIES

33 Years
Since1982

END-TO-END SOLUTIONS
for all Sawing Needs...

GROWTH Driven by TECHNOLOGY & INNOVATION

Speciality Products

FIRST TIME IN INDIA...

- **Bimetal Strips:** India's first and only Greenfield Project for the Raw Material used to manufacture Hole Saws, Hacksaw, Bandsaw and Reciprocating Saw Blades.

- **Edge Wire:** Magicut has recently started manufacturing Edge Wires the raw material used for making Bimetal Strips. Magicut is the not only the first company in India manufacturing these wires and but also only the seventh in the world to do so.

- **8% Cobalt Hand Hacksaw Blades**

- **8% Cobalt Power Hacksaw Blades**

- **8% Cobalt Reciprocating Saw Blades**

- **8% Cobalt Bimetal Hole Saws**

Patented Products

Mini Hole Saws

HHF002

HHF004

History & Milestones

1948	Late Mr. R.C. Gupta opened a Hardware Shop for Retailing and then Wholesaling
1963	Started Factory for Engine Bearings
1971	Started Factory for Copper Alloy Products
1982	Magicut the Cutting Tool Factory established
1996	Focus on Export, now exporting to 45 countries across the globe
2009	Bimetal Hole Saw Production
2010	Largest Manufacturer and exporter of Hand Hacksaw Blades from India
2011	Commissioned new factory at Palghar with enhanced capacities for all products
2012	Backward integration to manufacture Bimetal Strips
2012	Reciprocating Saw Blades Production
2013	Bimetal Bandsaw Blades Production
2014	Edge Wire and Backing Material Production

EXPORTS to 6 Continents - Spread Over 45 COUNTRIES and counting....

Prologue

Magicut, established in 1982, is a leader in the field of Cutting Tools. Magicut has since gradually evolved into manufacturing a wide range of Hand Tools, Power Tool Accessories, Cutting Tools and Steel as well.

Magicut's origins go back to 1948 when the founder, Late Mr. R.C. Gupta opened a Hardware retail shop and a few years later started wholesaling as well. In 1963 he started his first factory for Engine Bearings and gradually expanded to manufacture a variety of products such as Bearings, Diesel Engine Spares, Copper Alloys and Cutting Tools. Over the last 67 years, though diversification took place, the focus has never shifted away from Engineering.

Today Magicut's portfolio includes Hand Hacksaw Blades, Junior Hacksaw Blades, Hacksaw Frames, Bandsaw Blades, Power Hacksaw Blades, Hole Saws, Reciprocating Saw Blades, Tool Bits,Cut-off Blades, Bimetal Strips, Edge Wire and Backing Material.

Magicut is headquartered in Mumbai, India with its plants at Palghar from where Magicut is offering a comprehensive range of Tools, all from a single source. Along with an extensive domestic sales network it has satisfied the needs of numerous, diverse customers across the globe in Europe, Middle East, Asia, Asia Pacific, Africa and America's.

The company has gained a wealth of experience covering the manufacturing of variety of products and has always kept pace with the rapid developments of the modern high technology production techniques.

Magicut's success has hinged upon its ability to consistently deliver standard quality and timely execution of delivery schedules. We continue to maintain and continuously upgrade the quality of our products so as to maximize customer satisfaction and future growth.

Plant

Magicut boasts of state-of-the-art manufacturing and testing facilities and is certified to ISO 9001:2008 by BSI UKAS ensuring that only quality products reach its customers. Magicut has upgraded and invested substantially in both its new and existing production lines. Today all Tools are heat treated in atmospheric controlled furnace with modern timers and temperature controllers that are strictly calibrated periodically to ensure correct heat treatment of tools with no decarb.for the Bimetal Strips we have the latest Laser Welding equipment imported from Germany along with the Vacuum Annealing Furnaces. Magicut has further incorporated the technologically advanced U-Line production process and is amongst the first in the Saws industry to use this concept.

Prologue

Packaging

After checking that all products meet the set quality standards, they are packed and ready for dispatch. Extreme care is taken to ensure that the products reach their destination in perfect condition.

The company has introduced Revolutionary Packaging for our range of products where these are segregated by colour. This is only available with FMCG products and we are amongst the first company's in the world to introduce this in the Tool segment. Furthermore Magicut is the first company introduced Retail Packaging for Hand Hacksaw Blades and this is now extended to other products as well.


bsi.
Certificate of Registration
QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

Quality Policy

We at **TRIDENT TOOLS LTD** shall be quality suppliers of the **Hand Tools, Cutting Tools, Power Tool Accessories** and **Steels** are committed to manufacture products conforming to International Standards. We shall strive to achieve total customer satisfaction by anticipating and meeting their changing needs with a commitment to satisfy applicable regulatory requirements.

Towards this **TRIDENT TOOLS LTD** endeavors to continually improve its Quality Management System, Products, Processes, Practices and Personnel skills.

In order to achieve the above Quality Management System complying with ISO 9001:2008 it is instituted and implemented with the active involvement and commitment of top management and all employees.

Inspection

Magicut is equipped with the most modern and precise testing equipments, that are periodically calibrated. The products are made from the finest grades of imported high speed steel. Our well equipped laboratory then tests these raw materials for physical appearance, surface finish, dimensions and other variables. Before processing of the raw materials a whole battery of tests, from checking of chemical composition to microscopic tests for carbide distribution are carried out. Every tool we supply passes through stringent inspection tests.

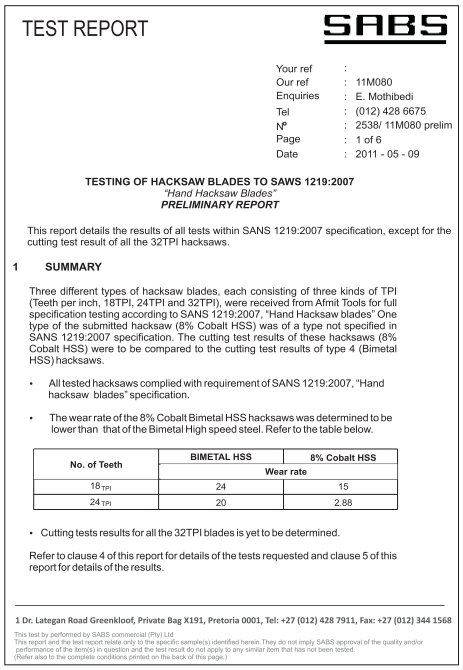
Research & Development

Magicut has set up one of the most advanced Research & Developement capabilities in the country through which its not only benchmark its quality, but also developed new product and design on a regular basis. It has already received patents in this regards.

Prologue

Certification

MAGICUT quality is comparable with the best in the world which is further ubstantiated with independent report from international reputed testing agencies namely CATRA ,England and SABS, South Africa.



TEST REPORT

SABS

Your ref :
Our ref : 11M080
Enquiries : E. Mothibedi
Tel : (012) 428 6675
Nº : 2538/ 11M080 prelim
Page : 1 of 6
Date : 2011 - 05 - 09

TESTING OF HACKSAW BLADES TO SAWS 1219:2007
"Hand Hacksaw Blades"
PRELIMINARY REPORT

This report details the results of all tests within SANS 1219:2007 specification, except for the cutting test result of all the 32TPI hacksaws.

1 SUMMARY

Three different types of hacksaw blades, each consisting of three kinds of TPI (Teeth per inch, 18TPI, 24TPI and 32TPI), were received from Afmit Tools for full specification testing according to SANS 1219:2007, "Hand Hacksaw blades" One type of the submitted hacksaw (8% Cobalt HSS) was of a type not specified in SANS 1219:2007 specification. The cutting test results of these hacksaws (8% Cobalt HSS) were to be compared to the cutting test results of type 4 (Bimetal HSS) hacksaws.

- All tested hacksaws complied with requirement of SANS 1219:2007, "Hand hacksaw blades" specification.
- The wear rate of the 8% Cobalt Bimetal HSS hacksaws was determined to be lower than that of the Bimetal High speed steel. Refer to the table below.

No. of Teeth	BIMETAL HSS	8% Cobalt HSS
	Wear rate	
18 TPI	24	15
24 TPI	20	2.88

- Cutting tests results for all the 32TPI blades is yet to be determined.

Refer to clause 4 of this report for details of the tests requested and clause 5 of this report for details of the results.

1 Dr. Lategan Road Greenkloof, Private Bag X191, Pretoria 0001, Tel: +27 (012) 428 7911, Fax: +27 (012) 344 1568

This test by performed by SABS commercial (Pty) Ltd
This report and the test report relate only to the specific sample(s) identified herein.They do not imply SABS approval of the quality and/or performance of the item(s) in question and the test result do not apply to any similar item that has not been tested.
(Refer also to the complete conditions printed on the back of this page.)

Cutlery and
Allied
Trades
Research
Association

CATRA report 870293C
Assessment of Hand Hacksaw blades to BS1919 cutting performance test

The following blades were supplied by Golden Arh in the UK to CATRA:
Magicut Bi Metal 18 TPI X2
Magicut Bi Metal 24 TPI X1

The blades were tested to BS1919 part 2 cutting performance standard
The blades were also subjected to the bend test of BS1919 part 1 clause 5
The results are shown in table 1

Comments
The Bi metal blades were satisfactory meeting the performance requirement of BS1919 in term of wear rate and total time.

The samples are being returned under separate cover

Roger C Hamby
Director of Research

Corporate Philosophy

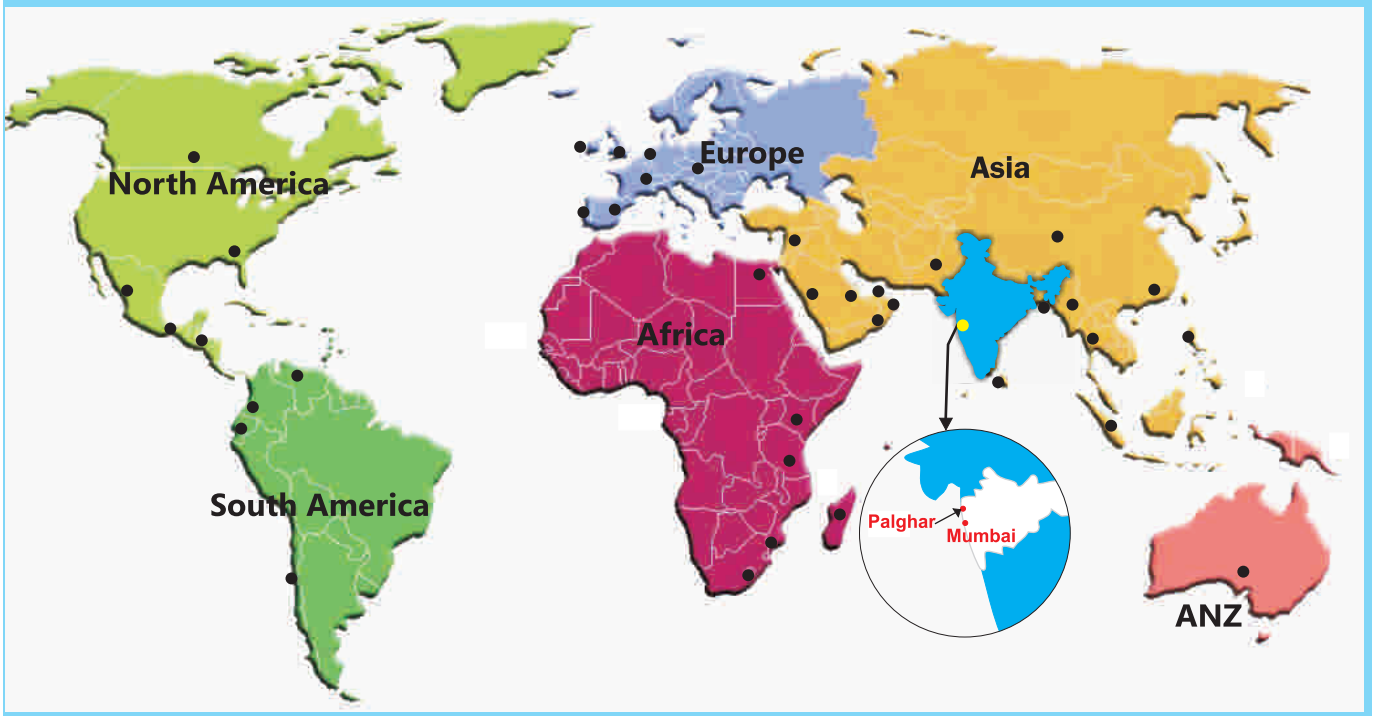
Our corporate philosophy can be summed up as Customer Satisfaction, Reliability, Innovation, Quality and Service. We follow a policy of not compromising Quality under any circumstances and a commitment of continuously bringing innovative products and services into the markets. We take our commitments seriously and believe in honouring them.

Environment Responsibility

Magicut feels climate change as the greatest threat affecting economic stability, vulnerable communities and the society at large. The endemic depletion of natural resources and the destruction of fragile environmental and social systems through the second half of the last century have compelled us to review our development patterns. Magicut is working towards increasing greenery around our plants and minimizing waste generation by promoting recovery, recycle and reuse. We have already planted about six thousand trees around our Palghar plant and are moving towards environmentally friendly technologies such as gas furnaces among other things.

Prologue

EXPORTS to 6 Continents - Spread Over 45 COUNTRIES and counting....



Exhibitions Participated

Cologne - Germany

Guadalajara - Mexico

Moscow - Russia

Las Vegas - USA

Jakarta - Indonesia

Bilbao - Spain

Shanghai - China

Ahmedabad - India

Bangalore - India

Contents

Hand Hacksaw Blades

MAGICUT® Bimetal High Speed Steel

A Virtually unbreakable bimetal blade for superb cutting performance, wear resistance and safety. It combines the toothed high speed steel strip, laser welded to a spring steel back, resulting into a highly flexible blade possessing extreme cutting performance that is vastly superior to all hard high speed blades or conventional flexible blades. They cut through all types of materials including alloys and stainless steels.

MAGICUT® Bimetal 8% Cobalt High Speed Steel

A Shatter proof blade for high wear resistance as compared to conventional bimetal blades. This has all attributes of bimetal with high alloy 8% cobalt tooth. The tooth have hardness of 66 to 68 HRC with high wear resistance property. They cut through all types of materials including high alloy steels.

MAGICUT® All Hard High Speed Steel

A rigid all hard blade for highly accurate cutting that is ideal for general-purpose work around the workshop. These blades are uniformly hardened throughout and have a fully hardened back and cutting edge.

MAGICUT® Flexible High Speed Steel

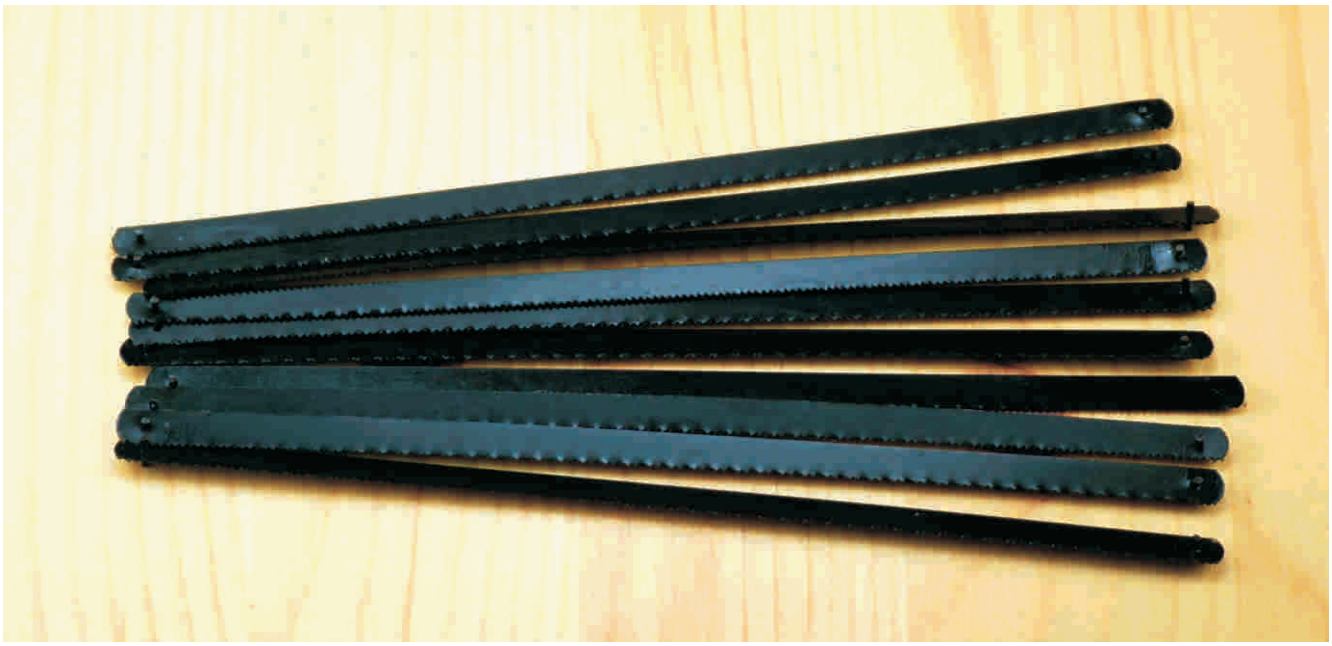
A nearly shatterproof blade with a longer life that is having a hardened edge offering higher flexibility and safety but giving lesser wear resistance than a traditional all hard blade.

MAGICUT® High Carbon Steel

High carbon steel blades for all light duty work and are unbreakable in normal condition. They are suitable for all relatively soft materials, such as aluminum, copper, brass, mild steel and other soft metals.

Size in inches	Size in mm	TPI
10 X 1/2 X 0.025(23G)	250 X 12.50 X 0.63	14,18,24,32
12 X 1/2 X 0.025(23G)	300 X 12.50 X 0.63	14,18,24,32

Junior Hacksaw Blades



MAGICUT® Junior Hacksaw Blades

Junior Hacksaw Blades are manufactured from the finest grade of High Carbon Steel raw material. The teeth are properly hardened and tempered to get optimum blade life for Professional applications. These are available in three variants:

TPI		Recommended Use
14	Coarse teeth for cutting without much effort	Soft plastics, paperboard, hardboard, molded wood etc.
24	Medium teeth for precise sawing work	All kinds wood, gypsum, plastics, metals, aluminium, non-ferrous metals, channels, pipes etc.
32	Fine teeth for high quality sawing works	All kinds of metals, thin section non-ferrous metals, special steel, alloys, etc.

Size in inches	Size in mm	TPI
6 X 1/4 X 0.018	150 X 6 X 0.45	14, 24, 32

Hacksaw Frames

MAGICUT® Aluminum Hacksaw Frame HHF002

- Heavy Duty Aluminum Handle
- Epoxy Powder Coated Frame
- Robust and Compact
- Less Effort While Cutting
- Wide Wing Nut for Easy Tensioning
- Supplied with 12”/300mm Hand Hacksaw Blades

PATENTED DESIGN NO. 242105

MAGICUT® Plastic Hacksaw Frame HHF004

- High Tensile Plastic Handle
- Epoxy Powder Coated Frame
- Light Weight for Easy Handling
- Easy Blade Change
- Wide Wing Nut for Easy Tensioning
- Supplied with 12”/300mm Hand Hacksaw Blades

PATENTED DESIGN NO. 242103

MAGICUT® Economy Hacksaw Frame HHF006

- High Quality Wooden Handle
- General Purpose Frame
- Rigid and Heavy Duty
- Wide Wing Nut for Easy Tensioning
- Supplied with 12”/300mm Hand Hacksaw Blades

MAGICUT® Mini Hacksaw Frame HHF007

- Light weight Plastic Frame
- Ideal for Cutting in Small, Hard to reach areas
- Durable and Comfortable to use
- Accepts both 10”/250mm and 12”/300mm Blades
- Supplied with 12”/300mm Hand Hacksaw Blades

MAGICUT® Junior Saw Frame JBH002

- Epoxy Powder Coated Steel Frame
- Light Weight
- Meticulous cutting in difficult-to-reach places
- Available with Epoxy Powder Coated finish in variety of Colours
- Fitted with 6”/150mm Blade

MAGICUT® Pistol Grip Junior Saw Frame JBH004

- Plastic Moulded Pistol Grip Handle
- Solid Steel Frame
- Well Balanced, Sturdy and Rigid
- Blade Tensioning End Screw for easy Blade installation
- Ideal for all Applications.
- Fitted with 6”/150mm blade

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 effeciency 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 that 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 clampion holes

Bimetal Hole Saws

MAGICUT® Bimetal Hole Saws are toothed HSS strips laser welded to a tough alloy body and disc. These precision manufactured Hole Saws that have outstanding strength, resilience and shatter resistance are manufactured in Bimetal M3 & 8% Cobalt grades.

MAGICUT® Bimetal M3 Hole Saws are manufactured using the superior M3 quality of High Speed Steel that is better than the conventional M2 grade. The M3 cutting edge has higher alloying elements that enhances the performance considerably and is useful for cutting aluminum, bakelite, brass, bronze, cast iron, mild steel, plastic, wood, etc.

MAGICUT® Cobalt Hole Saws have 8% Cobalt in addition to normal alloying elements that can sustain higher temperatures, has more hardness and greater wear resistance. They are therefore recommended for cutting difficult materials like cast steels, duralium, hardwood, inconel, inox, non-ferrous alloys, plaster of paris, stainless steel, etc.

Salient Features & Advantages

Solid Back Disc	• Ensures a smooth and precise cut
Variable Pitch with Positive Rake Teeth	• Reduces cutting vibrations • Provides extra swarf clearance while cutting thicker sections • Scoops out material from the groove more efficiently • Useful in cutting tenacious materials like copper and stainless steel • Easier bite into the object

Ø Diameter		Ø Diameter	
mm	inch	mm	inch
14	9/16	34	1 11/32
16	5/8	35	1 3/8
17	11/16	37	1 7/16
19	3/4	38	1 1/2
20	25/32	40	1 9/16
21	13/16	41	1 5/8
22	7/8	43	1 11/16
23	29/32	44	1 3/4
24	15/16	46	1 13/16
24	15/16	48	1 7/8
25	1	50	1 31/32
27	1 1/16	51	2
29	1 1/8	52	2 1/16
30	1 3/16	54	2 1/8
32	1 1/4	56	2 3/16
33	1 5/16	57	2 1/4

Ø Diameter		Ø Diameter	
mm	inch	mm	inch
59	2 5/16	102	4
60	2 3/8	105	4 1/8
64	2 1/2	108	4 1/4
65	2 9/16	111	4 3/8
67	2 5/8	114	4 1/2
68	2 11/16	121	4 3/4
70	2 3/4	127	5
73	2 7/8	133	5 1/4
76	3	140	5 1/2
79	3 1/8	146	5 3/4
83	3 1/4	152	6
86	3 3/8	160	6 5/16
89	3 1/2	168	6 5/8
92	3 5/8	177	7
95	3 3/4	200	7 7/8
98	3 7/8	210	8 1/4

Hole Saw Kits

MAGICUT® Hole Saw Kits are available for cutting almost any material. Each kit consist of assorted hole saws and accessories that are specifically designed for use in the electrical, plumbing, interiors decoration, etc. In addition to these special purpose kits we offer a general-purpose kit and universal kit that is suitable for a variety of applications.

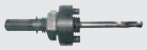
The standard kits have in them Bimetal M3 Hole Saws of variable tpi however these can be supplied in Bimetal 8% Cobalt quality and in constant pitch of 10 tpi.

MAGICUT® Hole Saw Kits

Job	Hole Saws mm	Accessories
General Purpose Kit	22, 29, 35, 44, 51 & 64	HSA03 & HSA05 Arbors HSP Ejector Spring
Mini-Electrician Kit	16, 20, 25, 29, 44 & 51	HSA03 & HSA05 Arbors HSP Ejector Spring
Electrician Kit	16, 20, 22, 25, 29, 35, 44, 51, 64, 68 & 76	HSA03 & HSA06 Arbors HSP Ejector Spring
Mini-Plumber Kit	19, 22, 29, 38, 44, 51 & 57	HSA03 & HSA05 Arbor HSP Ejector Spring
Plumber Kit	16, 19, 22, 29, 35, 38, 44, 51, 57, 65 & 68	HSA03 & HSA06 Arbors HSP Ejector Spring
Plumbers and Electrician Kit	16, 20, 22, 29, 35, 38, 40, 44, 51, 57, 65 & 68	HSA03 & HSA06 Arbors HSP Ejector Spring
Automotive Kit	19, 22, 25, 29, 32 & 38	HSA03 & HSA05 Arbors
Mini-Locksmith Kit	24, 27, 32, 35, 38, 54 & 60	HSA03 & HSA05 Arbors HSP Ejector Spring
Locksmith Kit	22, 24, 25, 27, 32, 35, 38, 44, 54 & 60	HSA03 & HSA06 Arbors HSP Ejector Spring
Universal Kit	16, 20, 22, 25, 29, 32, 35, 38, 44, 51, 57, 64, 68 & 76	HSA03 & HSA06 Arbors HSP Ejector Spring

Hole Saw Accessories

Arbor is the link between the hole saw and the drilling machine

Code No	Description	Suitable For	
HSA01	Round Shank – 6mm (1/4”)	14 to 30mm (9/16 – 1.3/16”)	
HSA02	Hex Shank – 6mm (1/4”)	14 to 30mm (9/16 – 1.3/16”)	
HSA03	Hex Shank – 9mm (3/8”)	14 to 30mm (9/16 – 1.3/16”)	
HSA04	Hex Shank - 11mm (7/16”)	14 to 30mm (9/16 – 1.3/16”)	
HSA05	Quick Release, Hex Shank - 9mm (3/8”)	32 to 210mm (1.1/4 – 8.1/4”)	
HSA06	Quick Release, Hex Shank - 11mm (7/16”)	32 to 210mm (1.1/4 – 8.1/4”)	
HSA07	SDS Shank – 10mm (3/8”)	14 to 30mm (9/16 – 1.3/16”)	
HSA08	Quick Release, SDS Shank - 10mm (3/8”)	32 to 210mm (1.1/4 – 8.1/4”)	

Pilot Drill made of High Speed Steel is held by a set screw in the arbor body

Code No	Description	
HSD01	Pilot Drill - 80mm (3.1/8”)	
HSD02	Pilot Drill - 102mm (4”)	

Extension Bar is used for lengthening the reach of the drilling machine.

Code No	Description	Suitable For	
HSE01	Extension Bar	HSA03, HSA04, HSA06	

Ejector Spring fits over pilot drill and pushes the core out of hole saw once cut is over.

Code No	Description	
HSP	Ejector Spring	

Arbor Adaptor fits over small arbors to allow use of hole saws up to 6”/ 152mm diameter.

Code No	Description	Suitable For	
HSD	Adaptor	HSA01, HSA02, HSA03, HSA07	

Set Screw locks the drill tightly in the arbor.

Code No	Description	
HSL	Grub Screw	

Mini Hole Saws

PATENTED DESIGN NO. 245404

IMPROVED NEW PERFORMANCE

MAGICUT® Bimetal Mini Hole Saws are toothed HSS Strips welded to a tough alloy body and disc. These precision manufactured Hole Saws have outstanding strength, resilience and shatter resistance

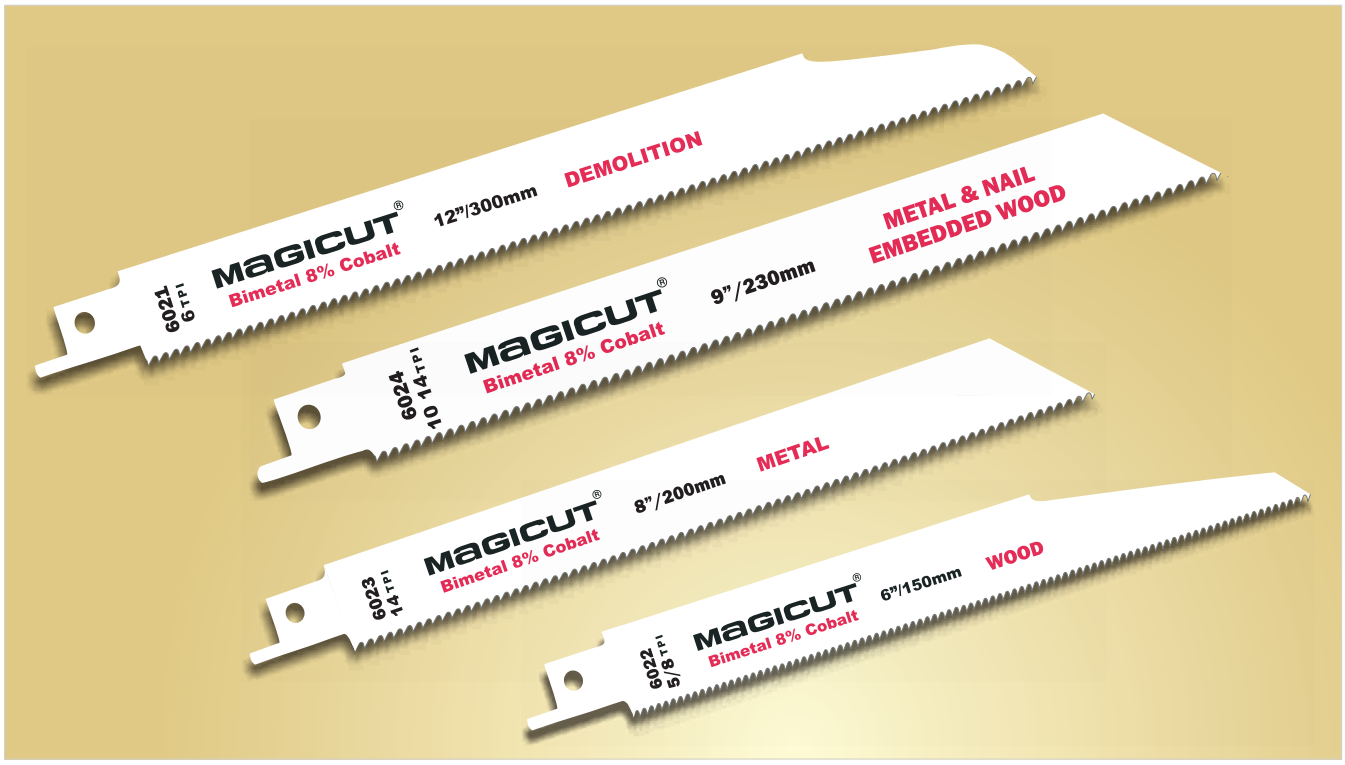
Salient Features & Advantages

- Soild Back Disc for Smooth and Precise Cut
- Single Piece Construction
- Precise Tool Geometry
- More Cutting Depth compare to conventional Holesaws
- Smooth Cutting Operation
- Better Regidity
- Longer Life

ø Diameter	
mm	inch
12	1/2
16	5/8
19	3/4
22	7/8
25	1
29	1.1/8
32	1.1/4
35	1.3/8
38	1.1/2
44	1.3/4

ø Diameter	
mm	inch
51	2
57	2.1/4
64	2.1/2
70	2.3/4
76	3
83	3.1/4
89	3.1/2
95	3.3/4
102	4

Reciprocating Saw Blades



MAGICUT® Reciprocating Saw Blades

- Top Quality Bimetal Blades
- Higher Productivity & longer life with 8% Cobalt cutting edge.
- Available in 3 different thickness to meet the flexiblity & stuffiness requirement is for various applications.

Wood Cutting

- Fast cutting for wood, composition materials and plastic
- Use with materials 3/16" (5mm) and thicker

Our Code	Size in inches	Size in mm	TPI
6025	6 x 3/4 x 0.035	150 x 19 x 0.9	6
6022	6 x 3/4 x 0.05	150 x 19 x 1.25	5/8
6006	6 x 3/4 x 0.05	150 x 19 x 1.25	6
6005	9 x 3/4 x 0.05	230 x 19 x 1.25	6
6009	12 x 3/4 x 0.05	300 x 19 x 1.25	6

Reciprocating Saw Blades

Metal & Nail Embedded Wood Cutting

- Roughing-in work and nail embedded wood
- Use with materials 3/16” (5mm) and thicker

Our Code	Size in inches	Size in mm	TPI
6002	6 x 3/4 x 0.035	150 x 19 x 0.9	10
6004	8 x 3/4 x 0.035	200 x 19 x 0.9	10/14
6024	9 x 3/4 x 0.035	230 x 19 x 0.9	10/14

Metal Cutting

- Cuts all means including nonferrous pipe conduit, stainless and sheet metals
- Use with materials 1/8” (3.2 mm) and thicker

Our Code	Size in inches	Size in mm	TPI
6001	6 x 3/4 x 0.035	150 x 19 x 0.9	14
6011	6 x 3/4 x 0.035	150 x 19 x 0.9	18
6010	6 x 3/4 x 0.035	150 x 19 x 0.9	24
6023	8 x 3/4 x 0.035	200 x 19 x 0.9	14
6003	8 x 3/4 x 0.035	200 x 19 x 0.9	18

Demolition

- For heavy duty and demolition application in wood and metal
- Use with materials 3/16” (5mm) and thicker

Our Code	Size in inches	Size in mm	TPI
6020	6 x 7/8 x 0.062	150 x 22 x 1.6	10
6017	9 x 7/8 x 0.062	230 x 22 x 1.6	6
6018	9 x 7/8 x 0.062	230 x 22 x 1.6	10
6021	12 x 7/8 x 0.062	300 x 22 x 1.6	6
6019	12 x 7/8 x 0.062	300 x 22 x 1.6	10

Air Saw Blades

8000 Series

Our Code	Similar To	Length x Pitch mm x mm inch x TPI	Recommended Use
8001 BIM/Milled/ Raker	-	90 x 1.8 3 9/16 x 14	Sandwich Material
8002 BIM/Milled/ Raker	Pneutec 10 700 735	90 x 1.4 3 9/16 x 18	Plastics, Aluminium
8003 BIM/Milled/Wavy	Pneutec 10 700 734	90 x 1.1 3 9/16 x 24	Sheet, Sheet Metal
8004 BIM/Milled/Wavy	Pneutec 10 700 733	90 x 0.8 3 9/16 x 32	Sheet, Sheet Metal

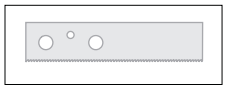
8100 Series

Our Code	Similar To	Length x Pitch mm x mm inch x TPI	Recommended Use
8101 BIM/Milled/ Raker	SIG 1150	96 x 1.8 3 3/4 x 14	Sandwich Material
8102 BIM/Milled/ Raker	-	96 x 1.4 3 3/4 x 18	Plastics, Aluminium
8103 BIM/Milled/Wavy	SIG 1152	96 x 1.1 3 3/4 x 24	Sheet, Sheet Metal
8104 BIM/Milled/Wavy	SIG 1153	96 x 0.8 3 3/4 x 32	Sheet, Sheet Metal
8105 BIM/Milled/Wavy	SIG 1151	70 x 1.4 2 3/4 x 18	Plastics, Aluminium
8106 BIM/Milled/Wavy	-	70 x 1.1 2 3/4 x 24	Sheet, Sheet Metal
8107 BIM/Milled/Wavy	-	70 x 0.8 2 3/4 x 32	Sheet, Sheet Metal

8200 Series

Our Code	Similar To	Length x Pitch mm x mm inch x TPI	Recommended Use
8201 BIM/Milled/ Raker	-	90 x 1.8 3 9/16 x 14	Sandwich Material
8202 BIM/Milled/ Raker	-	90 x 1.4 3 9/16 x 18	Plastics, Aluminium
8203 BIM/Milled/Wavy	-	90 x 1.1 3 9/16 x 24	Sheet, Sheet Metal
8204 BIM/Milled/Wavy	-	90 x 0.8 3 9/16 x 32	Sheet, Sheet Metal

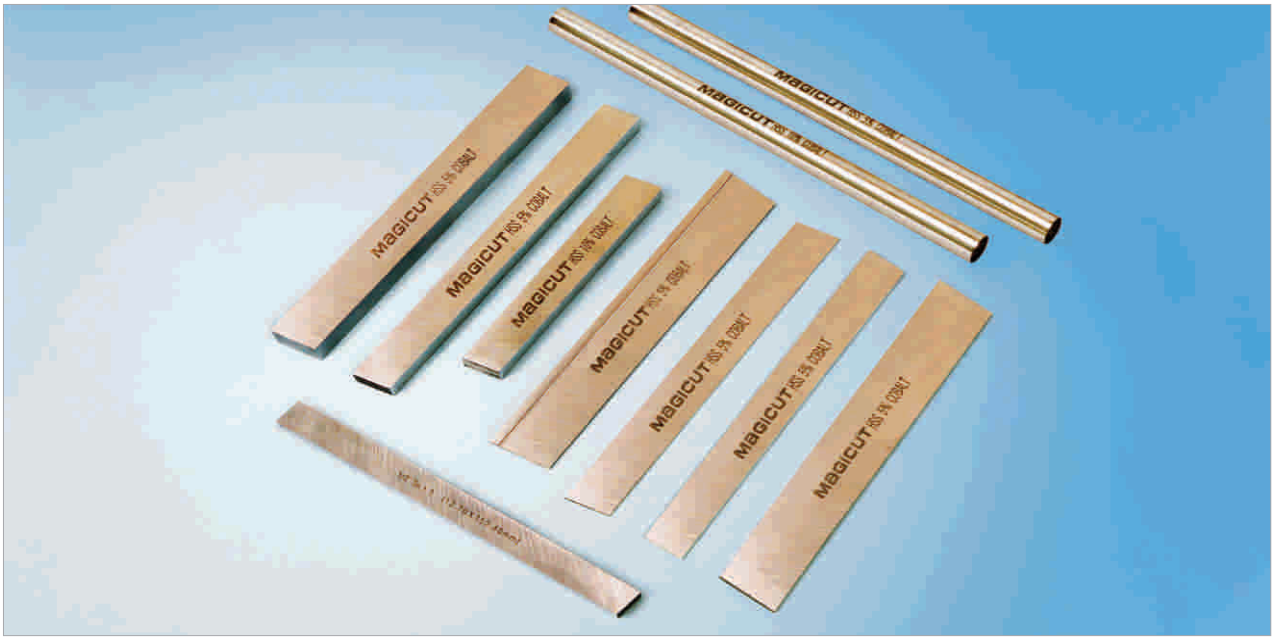
Portable Power Hacksaw Blades



3000 Series

Our Code	Fein Code	Size in inch Size in mm	TPI	Recommended Use
3001 HSS/Milled/Raker	Z22-9	8 x 1 x 0.062 200 x 25 x 1.60	8	Aluminum, Plastic
3002 HSS/Milled/Raker	Z22-10	8 x 1 x 0.062 200 x 25 x1.60	14	Steel, Non-ferrous Metals
3003 HSS/Milled/Raker	Z22-11	8 x 1 x 0.062 200 x 25 x1.60	21	Steel, Non-ferrous Metals
3004 HSS/Milled/Raker		12 x 1 x 0.062 300 x 25 x 1.60	8	Steel, Non-ferrous Metals
3005 HSS/Milled/Raker	Z22-31	12 x 1 x 0.062 300 x 25 x1.60	10	Steel, Non-ferrous Metals
3006 HSS/Milled/Raker	Z22-6	12 x 1 x 0.062 300 x 25 x 1.60	14	Steel, Non-ferrous Metals
3007 HSS/Milled/Raker		12 x 1 x 0.020 300 x 25 x 2.00	14	Steel, Non-ferrous Metals
3008 HSS/Milled/Raker		13 x 1 x 0.020 325 x 25 x 2.00	10	Steel, Non-ferrous Metals
3009 HSS/Milled/Raker		13 x 1.1/8 x 0.020 325 x 28 x 2.00	8	Aluminum, Plastic
3010 HSS/Milled/Raker	Z22-29	16 x 1 x 0.062 400 x 25 x 1.60	8	Aluminum, Plastic
3011 HSS/Milled/Raker	Z22-7	16 x 1 x 0.062 400 x 25 x 1.60	14	Steel, Non-ferrous Metals
3012 HSS/Milled/Raker		16 x 1 x 0.020 400 x 25 x 2.00	14	Steel, Non-ferrous Metals
3013 HSS/Milled/Raker		20 x 1 x 0.062 500 x 25 x 1.60	14	Steel, Non-ferrous Metals
3014 HSS/Milled/Raker		20 x 1 x 0.020 500 x 25 x 2.00	14	Steel, Non-ferrous Metals
3015 HSS/Milled/Raker	Z22-72	20 x 1.1/8 x 0.020 500 x 28 x 2.00	14	Steel, Non-ferrous Metals
3016 HSS/Milled/Raker	Z22-3	21 x 1.1/8 x 0.062 525 x 28 x1.60	10	Steel, Non-ferrous Metals
3017 HSS/Milled/Raker	Z22-30	22 x 1 x 0.062 550 x 25 x1.60	10	Steel, Non-ferrous Metals
3018 HSS/Milled/Raker	Z22-74	24 x 1.1/8 x 0.020 600 x 28 x 2.00	8	Aluminum, Plastic
3019 HSS/Milled/Raker	Z22-73	24 x 1.1/8 x 0.020 600 x 28 x 2.00	14	Steel, Non-ferrous Metals
3020 HSS/Milled/Raker		28 x 1.1/8 x 0.020 700 x 28 x 2.00	6	Aluminum, Plastic
3021 HSS/Milled/Raker		28 x 1.1/8 x 0.020 700 x 28 x 2.00	14	Steel, Non-ferrous Metals

High Speed Steel Tool Bits & Cut-Off Blades



MAGICUT® HSS M - 2 Tool Bits

Made from High Speed Steel bearing tungston-modybdenum 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

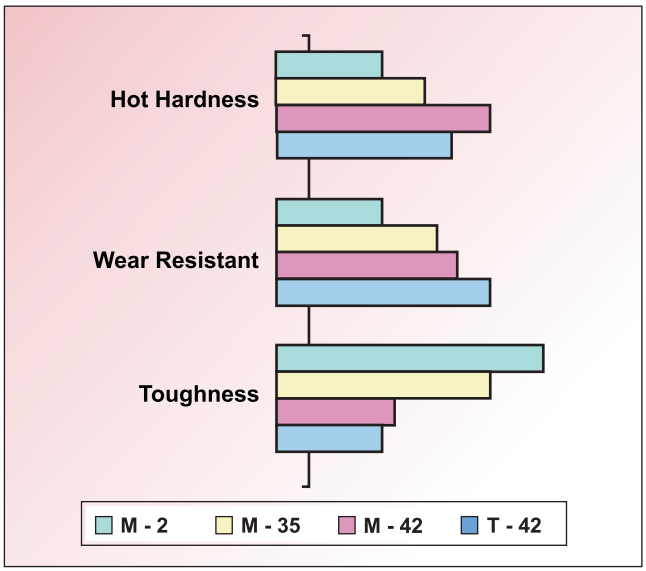
Have a high degree of hot hardness and wear-resistance. Made from High Speed Steel bearing 8% Cobalt, these offer top efficiency on difficult-to-machine alloys and high strength steels.

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.

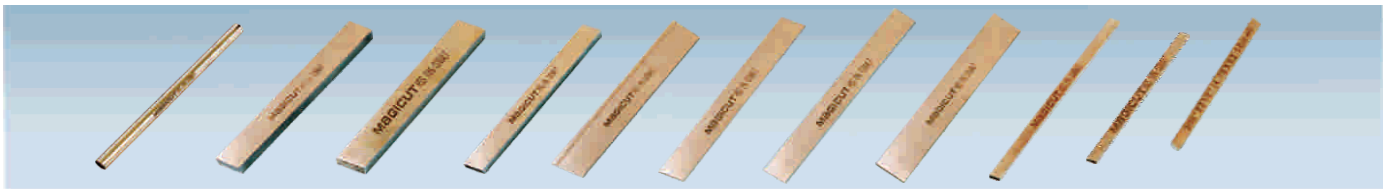
Relative Properties Of Magicut Grades

Depending on the nature of cutting operation like ease of cutting, hardness of job, machinebility 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.

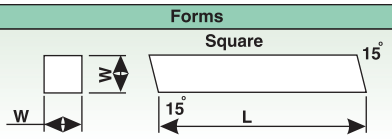


Tool Bits can be supplied with Cryogenic Treatment

High Speed Steel Tool Bits & Cut-Off Blades



Square & Round Tool Bits

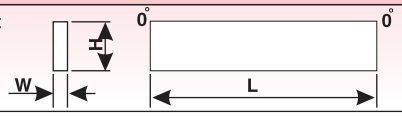
Forms	Measures	
Square 	W	L

Size in inches										
W/d	L									
1/8	2 ½	3		4						
3/16	2 ½	3		4			6			
1/4	2 ½	3		4			6		8	
5/16	2 ½	3		4			6		8	
3/8		3		4			6		8	
7/16			3 ½	4			6		8	10
1/2		3		4			6			10
5/8					4 ½		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	
Round 	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

Rectanguar / Flat Tool Bits

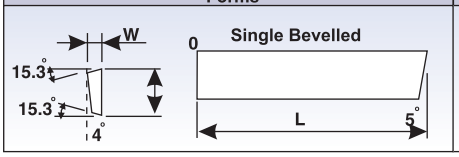
Forms	Measures		
Flat 	W	H	L

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			
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

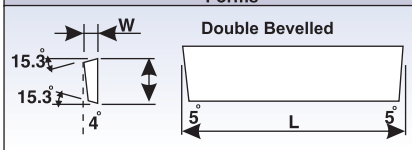
Corresponding Size in mm						
W	H	L				
3	12		100			
6	10		100		150	
6	12	75	100		150	
6	20		100	125	150	
6	25				150	
8	10		100			
8	11	75				
8	12		100			
8	20		100			
8	25				150	
10	12	75	100			
10	16		100	125	150	
10	20		100	125	150	
10	25				150	
12	20		100	125	150	
12	25				150	175
12	32				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

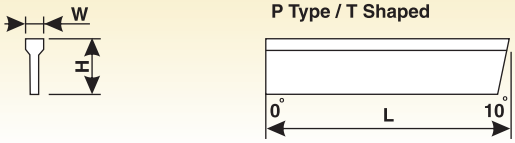
Forms	Measures		
	W	H	L

Size in inches		
W	H	L
1/16	1/2	4 ½
1/16	1 1/16	5
3/32	1/2	4 ½
3/32	5/8	5
1/8	1/2	4 ½
1/8	3/4	5
1/8	7/8	6
3/16	3/4	6
3/16	1	6 ½
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

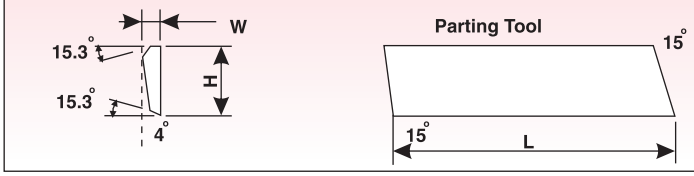
P - Type / T - Shaped Cut-Off Blades

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

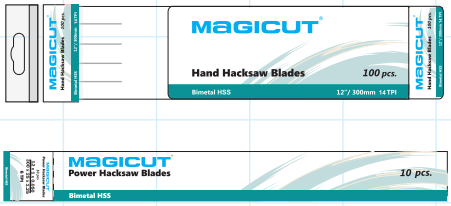
Size in inches		
W	H	L
3/32	1/2	4
3/32	5/8	5
1/8	3/4	6
1/8	7/8	6
3/16	1	6

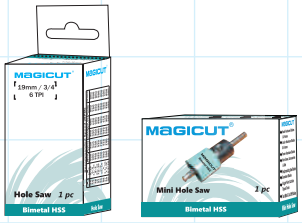
Corresponding Size in mm		
W	H	L
2.50	12	100
2.50	16	125
3	20	150
3	22	150
5	25	150

Revolutionary Packaging

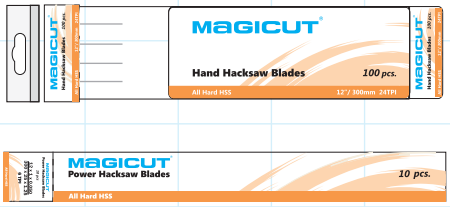
- **Segregated by Colour**

Bimetal HSS

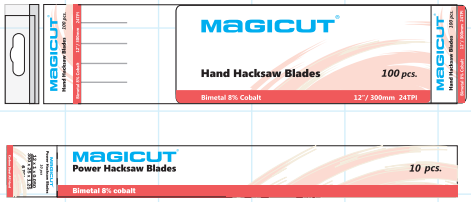


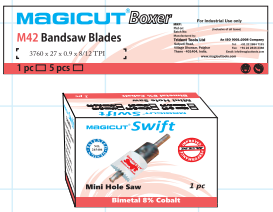


All Hard HSS

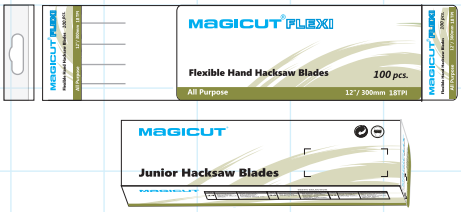


Bimetal 8% Cobalt

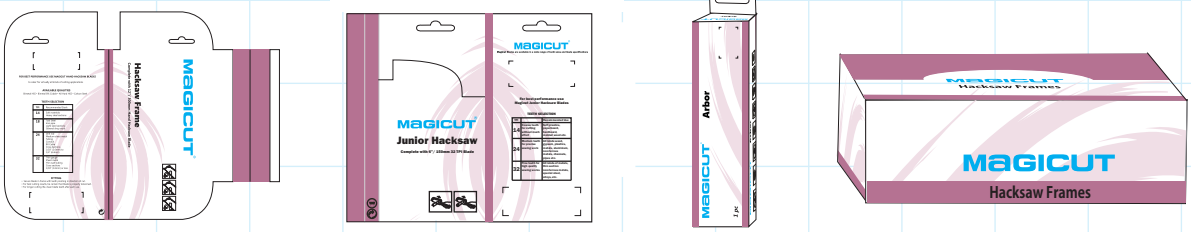




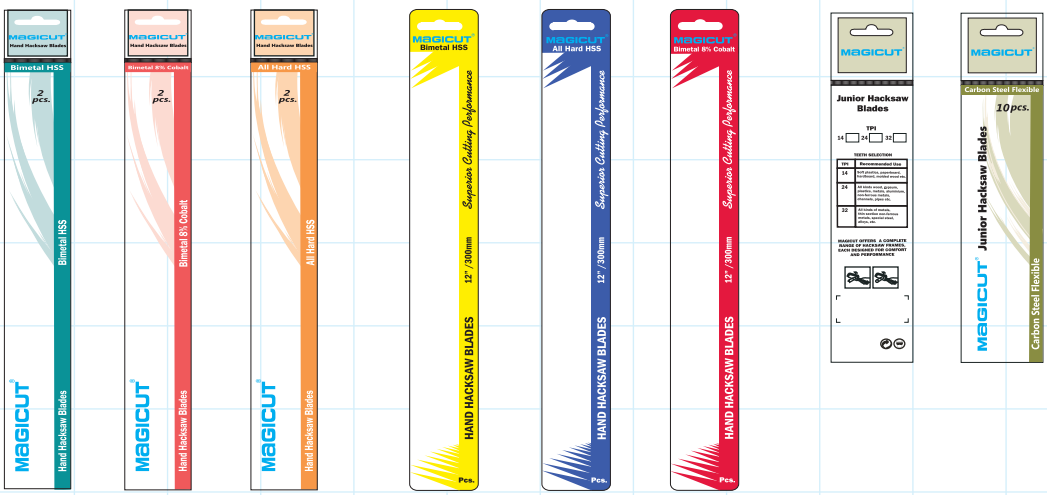
Carbon Steel



Hacksaw Frames & Arbors



Retail Pack



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