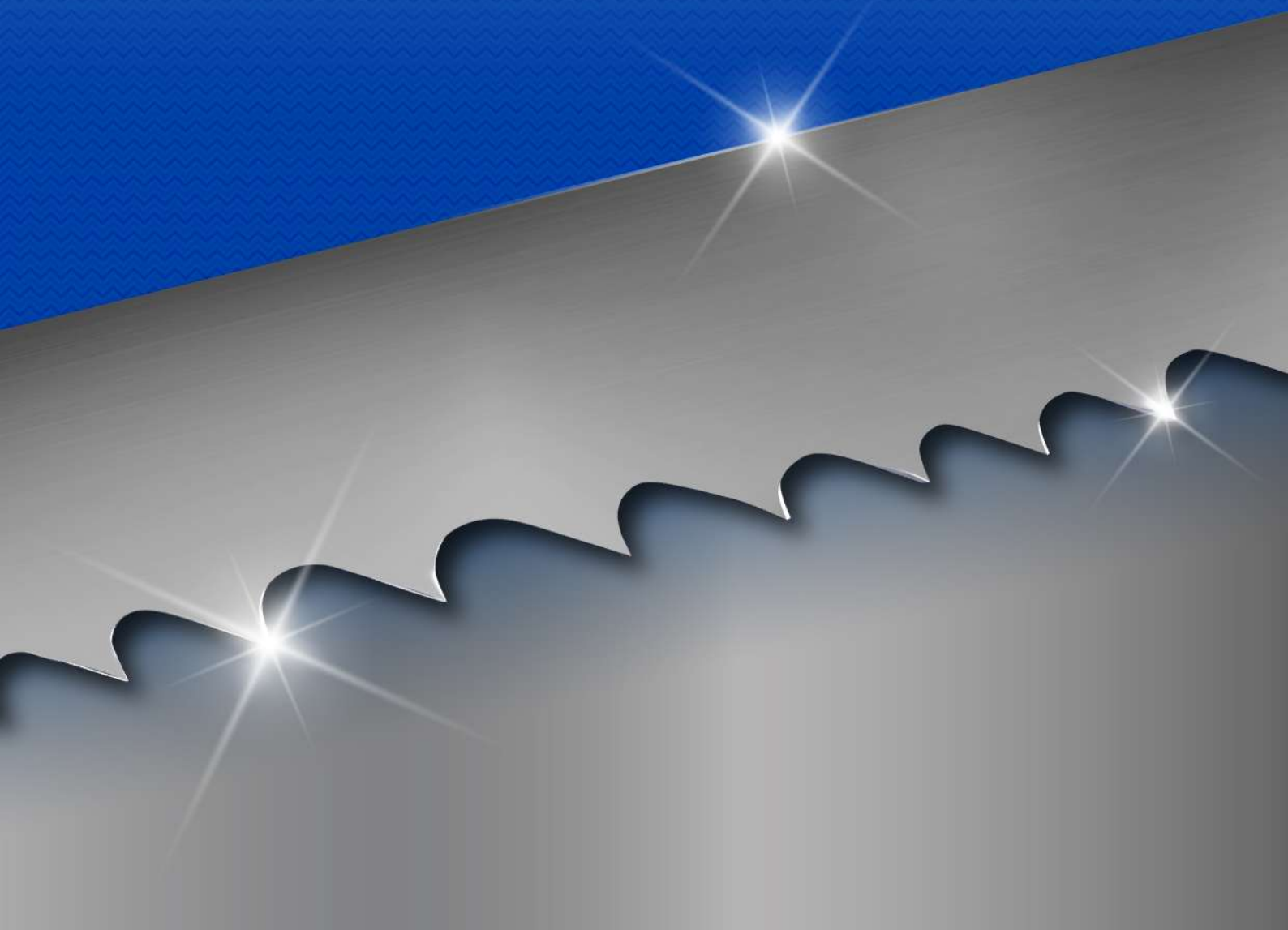




**BIPICO**<sup>®</sup>  
Cutting... Leave it to us



**Strong, Flexible, Sharp**

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## ABOUT US

BIPICO Industries (Tools) Pvt. Ltd., established in 1974 in Bilimora, Gujarat (India), is an ISO 9001:2015 TUV certified company and strictly implements the ISO procedures across all departments and functionalities of the company. BIPICO's corporate office is located in Mumbai, Maharashtra (India), complemented with an overseas branch located in Ajman (U.A.E).

BIPICO is a leading manufacturer and exporter of a variety of saws and cutting tools in India and a well-reputed brand name in both the Domestic and International Markets. BIPICO exports to more than 25 countries and has earned the Star Export House Certification from the Government of India. The strong Passion and sole Vision of becoming the Leading Cutting Tools Expert, since inception, has paved the way for Bipico to grow multifold in this Industrial Domain. BIPICO has been a preferred solution provider of various cutting tools required for processes like Cutting, Grinding, Drilling, Filing, Polishing, Deburring & Turning.

Bipico ventured into the cutting tools industry by pioneering the production of Hacksaw Blades in India in 1974. In 2001, Bipico earned another milestone by pioneering the manufacturing of the import-substitute product, namely Bimetal Bandsaw Blades, in India and continues to be one of the only two manufacturers of this product in India till date.

BIPICO has a fully-automated CNC plant with machinery imported from Europe.

BIPICO uses the finest quality raw material imported from Europe and conforms to International Standards. The Factory has a strong team for Research and Development to ensure regular improvements of product features and identification of new product opportunities as per the changing requirements of the industries. BIPICO's state-of-the-art, in-house laboratory set-up allows careful testing and inspection of the products, right from incoming raw materials to manufacturing processes, until finished products and packaging, thereby ensuring highest quality products for effective cutting solutions. With over 250+ Channel Partners and 40+ Qualified Engineers spread across India for Pre-Sales & Post-Sales Technical Support, BIPICO has been able to establish itself as one of the most trusted and reputable brand names in the cutting tools industry.





# BIP





# ICO



# 50 YEARS JOURNEY AND BEYOND



Bipico Foundation at  
Bilimora, Gujarat, India



Tool Bits

1974

1972



Hacksaw Blades

1979



Achieved India's 5000's  
2023 MSME Award for  
Quality Excellence

2023

2021



TCT Circular Saws



ISO 9001:2015 Certification

2018

2017



TCT and HSS Annular Cutter

**1986**



Jigsaw & GP Saw, First in India



Carbon Steel

**1988**



Pioneer of Bimetal Technology; Flexible and Bimetal Hacksaw

**1994**



Manufacturing Pioneer of Bimetal Bandsaws in India

**2001**



Hole Saws



Full Range of Abrasives

**2015**



Engineering Files

**2012**

**2003**



ISO 9001:2008 Certification

**2016**



**BIMETAL AND CARBIDE TIPPED  
BANDSAWS**

## BIMETAL BANDSAW



### GOLD M42

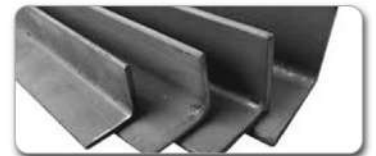
The Gold M42 Bandsaw is meticulously manufactured using the finest quality Bimetal Strip, which comprises of a high quality HSS M42 (8% cobalt) edge material laser beam welded to a high quality spring steel backing material. The perfect distribution of Carbide with a martensitic structure delivers exceptional wear resistance and an outstanding cutting edge for superior performance.

### PLATINUM M51

The Platinum M51 Bandsaw is meticulously manufactured using the finest quality Bimetal Strip, which comprises of a high quality HSS M51 (10% cobalt) edge material laser beam welded to a high quality spring steel backing material. The high percentage of Tungsten and Cobalt gives the Platinum M51 Blade an excellent wear resistance and red-hot resistance. The perfect distribution of dense hard Carbide elements, provide a superior cutting performance.

## PLUS - GOLD M42 & PLATINUM M51

The tooth geometry of PLUS blades feature a large gullet and a standard rake angle for enhanced cutting efficiency and performance.



| SIZE IN MM | SIZE IN INCH  | CONSTANT TPI | VARIABLE TPI            |
|------------|---------------|--------------|-------------------------|
| 13 X 0.60  | ½ X 0.025     | 10,14,18, 24 | 6/10, 8/12, 10/14       |
| 13 X 0.90  | ½ X 0.035     | 10,14,18, 24 | 6/10, 8/12, 10/14       |
| 20 X 0.90  | ¾ X 0.035     | 6,10,14      | 4/6,5/8,6/10,8/12,10/14 |
| 27 X 0.90  | 1 X 0.035     | 6,10,14      | 4/6,5/8,6/10,8/12,10/14 |
| 34 x 1.1   | 1-1/4 X 0.042 | 4, 6, 8      | 4/6, 6/10, 8/12, 5/8    |
| 41 x 1.3   | 1-1/2 X 0.050 | 4,6          | 4/6, 8/12, 5/8          |

*Note : M51 grade is not available in 13 & 20mm width & also not available in 6/10, 8/12, 10/14 as well as in all constant TPI*

#### Cutting Application:-

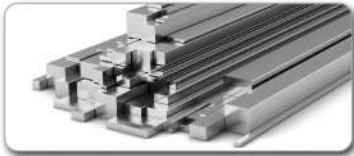
M. S., EN series, Alloy steels, High carbon steels, Structural steels, Tool steel, Large profiles and Solids (Upto 35 HRC)

#### Features:-

- Ideal for cutting small and medium cross-sections of solid bars and hollow pipes/tubes.
- Fine TPI for precise cutting of small bars and pipes.
- Neutral rake angle with deep gullet ensures smooth cutting performance.

## PREMIUM - GOLD M42 & PLATINUM M51

The tooth geometry of PREMIUM blades feature a positive rake angle, additional relief angle and a deep gullet for enhanced cutting efficiency and performance.



### Cutting Application:-

Structural steels, Deep drawing steel, Machine steel, Spring steel, Medium alloy steel, Nitriding steel, Stainless steel

### Features:-

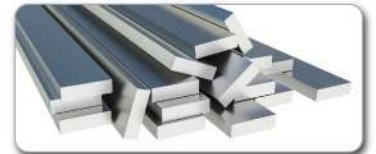
- Versatile profile suitable for cutting a wide range of solid steel materials.
- Enhanced cutting edge stability for reliable performance.
- Engineered for long-lasting durability, minimizing downtime of blade changes.

| SIZE IN MM | SIZE IN INCH  | CONSTANT TPI | VARIABLE TPI                          |
|------------|---------------|--------------|---------------------------------------|
| 20 X 0.90  | ¾ X 0.035     | -            | 3/4, 4/6                              |
| 27 x 0.90  | 1 X 0.035     | -            | 2/3, 3/4, 4/6                         |
| 34 x 1.10  | 1-1/4 X 0.042 | -            | 2/3, 3/4, 4/6                         |
| 41 x 1.30  | 1-1/2 X 0.050 | -            | 2/3, 3/4, 4/6, 1.4/2                  |
| 54 x 1.60  | 2 X 0.063     | 1.25         | 2/3, 3/4, 4/6, 1.4/2, 0.75/1.25       |
| 67 x 1.60  | 2-5/8 X 0.063 | 0.75, 1.25   | 2/3, ¾, 0.75/1.25, 1.4/2, 0.75/1.10   |
| 80 x 1.60  | 3 X 0.063     | 1.25, 0.75   | 2/3, 3/4, 0.75/1.25, 1.4/2, 0.75/1.10 |

*Note : M51 grade is not available in 20mm width.*

## EXTREME - GOLD M42

The tooth geometry of EXTREME blades feature a positive rake angle, additional relief angle, and a deep gullet.



| SIZE IN MM | SIZE IN INCH  | CONSTANT TPI | VARIABLE TPI |
|------------|---------------|--------------|--------------|
| 20 X 0.90  | ¾ X 0.035     | 3, 4, 6      | 4/6          |
| 27 x 0.90  | 1 X 0.035     | 3, 4, 6      | 3/4, 4/6     |
| 34 x 1.10  | 1-1/4 X 0.042 | 4,6          | 3/4, 4/6     |
| 41 x 1.30  | 1-1/2 X 0.050 | 2,4,6        | 3/4, 4/6     |

*Note : M51 grade is not available in 20mm width.*

### Cutting Application:-

Low alloy steel and Unalloyed tool steel, Casting Blocks

### Features:-

- Extreme positive tooth form for optimal cutting performance.
- Variable TPI for cutting low alloy steel materials.
- Constant TPI for cutting solid aluminum casting, runners, and risers of cast molds.
- Maximized tooth penetration for a seamless cutting experience.
- Enhanced cutting efficiency and performance.

## FLEX - GOLD M42 & PLATINUM M51

The tooth geometry of FLEX blades characterise a special reinforced design with an additional relief angle.



### Cutting Application:-

Bundle cutting of Pipes, Tubing and Structural steel

### Features:-

- Enhanced resistance to tooth chipping.
- Shock absorbent during interrupted cutting.

| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI            |
|------------|---------------|-------------------------|
| 20 X 0.90  | ¾ X 0.035     | 4/6, 5/8, 5/7           |
| 27 x 0.90  | 1 X 0.035     | 2/3, 3/4, 4/6, 5/8, 5/7 |
| 34 x 1.10  | 1-1/4 X 0.042 | 2/3, 3/4, 4/6, 5/8, 5/7 |
| 41 x 1.30  | 1-1/2 X 0.050 | 2/3, 3/4, 4/6, 5/8      |
| 54 x 1.60  | 2 X 0.063     | 4/6, 3/4, 2/3           |
| 67 x 1.60  | 2-5/8 X 0.063 | 2/3, 3/4, 4/6           |

*Note : M51 grade is not available in 20mm width.*

## ULTIMA - GOLD M42 & PLATINUM M51

The tooth geometry of ULTIMA blades feature an extreme positive rake, additional relief angle and deep gullet.



| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI |
|------------|---------------|--------------|
| 27 x 0.90  | 1 X 0.035     | 2/3, 3/4     |
| 34 x 1.10  | 1-1/4 X 0.042 | 2/3, 3/4     |
| 41 x 1.30  | 1-1/2 X 0.050 | 2/3, 3/4     |
| 54 x 1.60  | 2 X 0.063     | 2/3, 3/4     |
| 67 x 1.60  | 2-5/8 X 0.063 | 2/3, 3/4     |

### Cutting Application:-

Forge material, Hard to cut material, Deep drawing steel, Spring steel, Case Hardened steel, Nitriding steel, Tool steel, Quenched & Tempered steel and Hot work steel

### Features:-

- Cuts a wide range of higher strength alloys with minimal noise or vibrations.
- Extremely sturdy tooth design to handle harder materials.
- Effortless and aggressive cutting of solid and tough materials.

## FASTCUT - GOLD M42 & PLATINUM M51

The tooth geometry and gullet of FASTCUT blades is specially designed for faster and accurate cutting applications, as the name suggests.



### Cutting Application:-

Stainless steels, Deep drawing steel, Machining steel, Spring steel, High alloy steel, High Speed Steel, Cast Iron Steel, Case Hardened Steel, Quenched & Tempered Steel

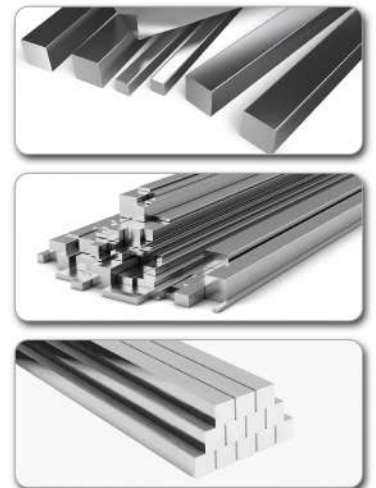
### Features:-

- Rapid cutting speed
- Efficient chip removal for smooth cutting
- Reduced noise and vibrations

| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI |
|------------|---------------|--------------|
| 27 x 0.90  | 1 X 0.035     | 3/4, 4/6     |
| 34 x 1.10  | 1-1/4 X 0.042 | 3/4, 4/6     |

## GRINDCUT - GOLD M42 & PLATINUM M51

The tooth geometry of GRINDCUT blades feature precisely ground teeth face with a unique relief angle.



| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI  |
|------------|---------------|---------------|
| 27 x 0.90  | 1 X 0.035     | 2/3, 3/4, 4/6 |
| 34 x 1.10  | 1-1/4 X 0.042 | 2/3, 3/4, 4/6 |
| 41 x 1.30  | 1-1/2 X 0.050 | 2/3, 3/4, 4/6 |

### Cutting Application:-

All types of solid steel material

### Features:-

- No breaking-in process required
- Precision-ground sharp teeth edge gives fast and accurate cutting.
- Delivers exceptional post-cut finish and long life.

## FORGECUT - GOLD M42 & PLATINUM M51

The tooth geometry of FORGECUT blades feature a distinctive setting pattern and positive rake angle with shallow gullet.



### Cutting Application:-

Forging material, Quenched and Tempered steel, Case hardened steel, High alloy steel, Hot work steel, Nitriding steel, Stainless steel, High speed steel, Cast iron steel, Rust and heat resistant steel, Hard materials up to 45 HRC

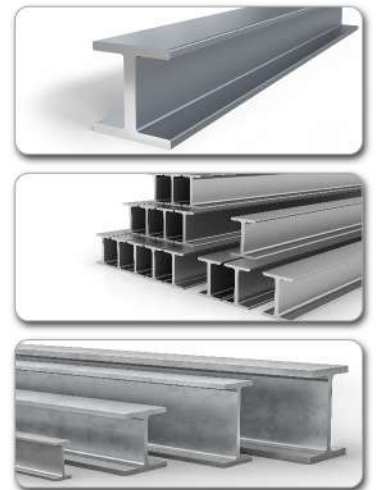
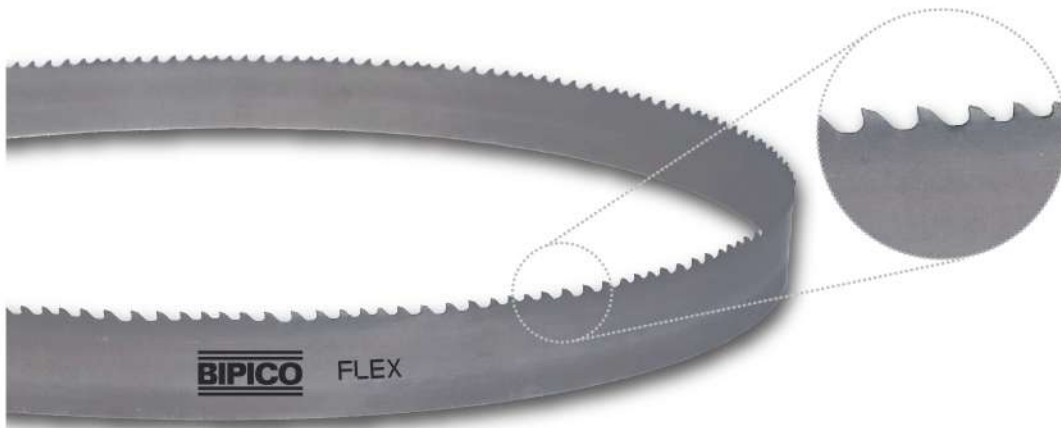
### Features:-

- Variable tooth depth for deeper and straighter cuts
- Higher rake angle reduces cutting force
- Shallow gullet enhances blade life
- Wider gullet for efficient chip removal
- Smooth cutting to minimize noise and vibrations

| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI     |
|------------|---------------|------------------|
| 54 x 1.60  | 2 X 0.063     | 1/1.3            |
| 67 x 1.60  | 2-5/8 X 0.063 | 1/1.3, 0.75/1.10 |
| 80 x 1.60  | 3 X 0.063     | 0.75/1.0         |

## FLEX - (+) WITH EXTRA WIDER SET GOLD M42 & PLATINUM M51

The tooth geometry of FLEX (+) WITH EXTRA WIDER SET features an extra wider set of teeth with special reinforced tooth design.



| SIZE IN MM | SIZE IN INCH  | VARIABLE TPI |
|------------|---------------|--------------|
| 67 x 1.60  | 2-5/8 X 0.063 | 3/4          |
| 80 x 1.60  | 3 X 0.063     | 3/4          |

### Cutting Application:-

Designed for cutting of heavy Beams, Channels or Pipes in bigger dimensions

### Features:-

- Minimized vibrations during cutting application
- Elimination of tooth stripping
- Prevention of blade pinching
- Extended blade life and reduced downtime

## ALUMINA - GOLD M42

The tooth geometry of ALUMINA blades feature a specially designed skip tooth with shallow gullet, positive rake angle and distinctive set pattern.



### Cutting Application:-

Aluminium die casting extrusion and other Non-Ferrous Metals/Alloys Cutting of runners & risers of castings

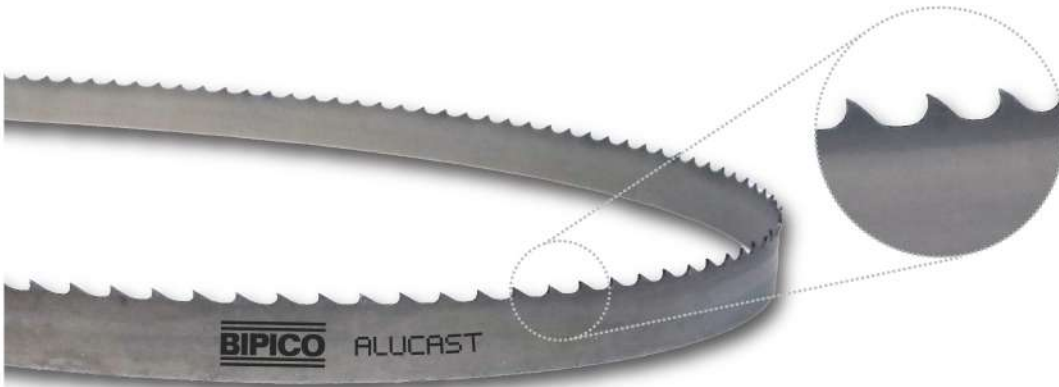
### Features:-

- Designed for cutting auto components of aluminum casting with high silicon percentage
- Exclusively suitable for aluminum castings

| SIZE IN MM | SIZE IN INCH | CONSTANT TPI |
|------------|--------------|--------------|
| 20 X 0.90  | ¾ X 0.035    | 3,6          |
| 27 x 0.90  | 1 X 0.035    | 3,6          |

## ALUCAST - GOLD M42

The tooth geometry of ALUCAST blades feature a special design with a distinctive setting pattern.



| SIZE IN MM | SIZE IN INCH | CONSTANT TPI |
|------------|--------------|--------------|
| 20 X 0.90  | ¾ X 0.035    | 3            |
| 27 x 0.90  | 1 X 0.035    | 3            |

### Cutting Application:-

Runners & Risers of Aluminium die casting extrusion, solid cutting area with greater percentage of silicon.

### Features:-

- Specialized distinctive set pattern for efficient casting cutting and increased cuts per blade
- Suitable for aluminum castings with higher silicon percentage
- Ideal for cutting solid-type castings

## SAWPRO TIMBER - GOLD M42

The tooth geometry of SAWPRO TIMBER blades feature a positive rake angle and shallow gullet with constant teeth per inch.



### Cutting Application:-

For sawing Log Wood, Timber

### Features:-

- Versatile saw blade for all wood sawing applications with efficient dust removal during sawing.
- Suitable for cutting small or large wood or timber
- Affordable with guaranteed performance
- Customizable length options available
- Constant TPI allows for easy blade resharpening for multiple use and increase the cutting life.

| SIZE IN MM | SIZE IN INCH  | CONSTANT TPI |
|------------|---------------|--------------|
| 27 x 0.90  | 1 X 0.035     | 22 PITCH     |
| 34 x 1.10  | 1-1/4 X 0.042 | 22 PITCH     |
| 41 x 1.30  | 1-1/2 X 0.050 | 22 PITCH     |
| 54 x 1.60  | 2 X 0.063     | 22 PITCH     |
| 67 x 1.60  | 2-5/8 X 0.063 | 22 PITCH     |

## CARBIDE TIPPED BANDSAW

The Carbide Tipped Bandsaw is ideal for cutting challenging and hard-to-machine alloys, providing excellent surface finish and increased productivity at a cost-effective price.

### Available Grades:-

**1) TRI CHIP:** - Non-set carbide tipped bandsaw.

Available in standard Hi-Lo geometry with positive main angle.

**Cutting Application:** - Aluminium, Steel and Tool Steel

**2) MULTI CHIP X-TRA:** - Non-set carbide tipped bandsaw available with positive main angle and five-tooth geometry for aggressive cutting.

**Cutting Application:** - Aluminium alloys, difficult-to-cut aluminium, aluminium cutting application on automatic high speed machines

**3) MULTI CHIP SINUS:** - Non-set carbide tipped bandsaw with positive main angle and four-tooth geometry.

**CUTTING APPLICATION:** - Cutting of stainless steel, Tool steel, Titanium, Inconel alloys, Graphite and difficult-to-cut materials.



| SR. NO | SIZE IN MM | SIZE IN INCH  | TPI       |       |       |   |     |   |     |  |
|--------|------------|---------------|-----------|-------|-------|---|-----|---|-----|--|
|        |            |               | 0.75/1.25 | 1/1.3 | 1.4/2 | 2 | 2/3 | 3 | 3/4 |  |
| 1      | 20 X 0.9   | ¾ X 0.035     |           |       |       |   |     |   | ✓   |  |
| 2      | 27 x 0.9   | 1 X 0.035     |           |       |       | ✓ | ✓   | ✓ |     |  |
| 3      | 34 x 1.1   | 1-1/4 X 0.042 |           |       |       | ✓ | ✓   | ✓ | ✓   |  |
| 4      | 41 x 1.3   | 1-1/2 X 0.050 |           |       | ✓     | ✓ | ✓   | ✓ | ✓   |  |
| 5      | 54 x 1.3   | 2 X 0.050     |           |       |       | ✓ |     | ✓ |     |  |
| 6      | 54 x 1.6   | 2 X 0.063     | ✓         | ✓     | ✓     | ✓ | ✓   |   |     |  |
| 7      | 67 x 1.6   | 2-5/8 X 0.063 | ✓         | ✓     | ✓     |   |     |   |     |  |
| 8      | 80 x 1.6   | 3 X 0.063     | ✓         | ✓     |       |   |     |   |     |  |

✓ = Available TPI in all above 3 Grades of Carbide Tipped Bandsaw

# TOOTH SELECTION CHART

## FOR ROUND SOLID BAR

| Diameter in mm       | 5     | 10   | 15   | 20  | 30  | 75  | 150 | 250   | 400   | 800       | 1500   |
|----------------------|-------|------|------|-----|-----|-----|-----|-------|-------|-----------|--------|
| TEETH PER INCH/25 MM | 10/14 | 8/12 | 6/10 | 5/8 | 4/6 | 3/4 | 2/3 | 1.4/2 | 1/1.3 | 0.75/1.25 | 0.75/1 |

## FOR SQUARE / RECTANGLE SOLID

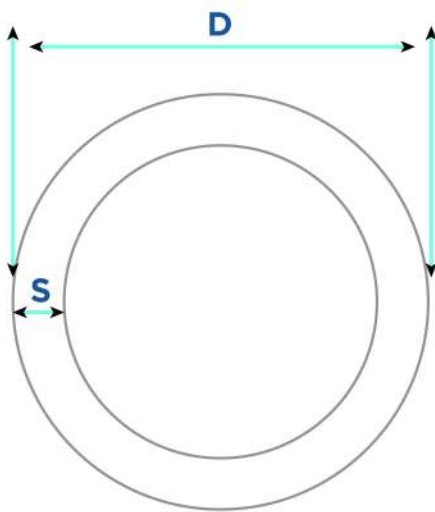
| Width in mm          | 5     | 10   | 15   | 20  | 50  | 100 | 150 | 400   | 800  | 1500      |        |
|----------------------|-------|------|------|-----|-----|-----|-----|-------|------|-----------|--------|
| TEETH PER INCH/25 MM | 10/14 | 8/12 | 6/10 | 5/8 | 4/6 | 3/4 | 2/3 | 1.4/2 | 1.25 | 0.75/1.25 | 0.75/1 |

## FOR STRUCTURALS

| Diameter in mm       | 3     | 4    | 5    | 7   | 15  | 25  | 50  |
|----------------------|-------|------|------|-----|-----|-----|-----|
| Wall Thickness in mm | 10/14 | 8/12 | 6/10 | 5/8 | 4/6 | 3/4 | 2/3 |

## TOOTH SELECTION CHART FOR CUTTING OF PIPES / TUBES

| D(MM) | 20                | 40    | 60    | 80    | 100   | 120   | 150   | 200   | 300  | 400   | 500   | 600   | 700   |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|       | TOOTH PITCH (TPI) |       |       |       |       |       |       |       |      |       |       |       |       |
| 2     | 14                | 14    | 14    | 14    | 14    | 14    | 10/14 | 10/14 | 8/12 | 8/12  | 6/10  | 6/10  | 5/8   |
| 3     | 14                | 14    | 10/14 | 10/14 | 10/14 | 10/14 | 8/12  | 8/12  | 6/10 | 6/10  | 5/8   | 5/8   | 5/8   |
| 4     | 14                | 14    | 10/14 | 10/14 | 8/12  | 8/12  | 8/12  | 8/12  | 5/8  | 5/8   | 4-6   | 4/6   | 4/6   |
| 5     | 14                | 10/14 | 10/14 | 10/14 | 8/12  | 8/12  | 8/12  | 6/10  | 5/8  | 5/8   | 4/6   | 4/6   | 3/4   |
| 6     | 14                | 10/14 | 10/14 | 8/12  | 8/12  | 8/12  | 8/12  | 5/8   | 5/8  | 4/6   | 4/6   | 4/6   | 3/4   |
| 8     | 14                | 10/14 | 10/14 | 8/12  | 8/12  | 6/10  | 6/10  | 5/8   | 4/6  | 4/6   | 4/6   | 3/4   | 3/4   |
| 10    |                   | 8/12  | 6/10  | 6/10  | 6/10  | 5/8   | 5/8   | 4/6   | 4/6  | 4/6   | 3/4   | 3/4   | 3/4   |
| 12    |                   | 8/12  | 6/10  | 6/10  | 5/8   | 5/8   | 4/6   | 4/6   | 4/6  | 3/4   | 3/4   | 3/4   | 3/4   |
| 15    |                   | 8/12  | 6/10  | 5/8   | 5/8   | 4/6   | 4/6   | 4/6   | 3/4  | 3/4   | 3/4   | 2/3   | 2/3   |
| 20    |                   |       | 6/10  | 5/8   | 4/6   | 4/6   | 4/6   | 3/4   | 3/4  | 3/4   | 2/3   | 2-3   | 2/3   |
| 30    |                   |       |       | 4/6   | 4/6   | 4/6   | 3/4   | 3/4   | 3/4  | 2/3   | 2/3   | 2-3   | 2/3   |
| 50    |                   |       |       |       |       | 3/4   | 3/4   | 3/4   | 2/3  | 2/3   | 2/3   | 2-3   | 2/3   |
| 75    |                   |       |       |       |       |       |       | 2/3   | 2/3  | 2/3   | 2/3   | 2-3   | 1.4/2 |
| 100   |                   |       |       |       |       |       |       |       | 2/3  | 2/3   | 1.4/2 | 1.4/2 | 1.4/2 |
| 150   |                   |       |       |       |       |       |       |       | 2/3  | 1.4/2 | 1.4/2 | 1.4/2 |       |
| 200   |                   |       |       |       |       |       |       |       |      | 1.4/2 | 1.4/2 | 1.4/2 |       |



**D = Diameter**  
**S = Wall Thickness**

## BLADE BREAK-IN PROCESS

Before applying full feed pressure to the new blades, it is essential to break in the extremely sharp tooth tip and edges. A suitable comparison can be made to the experience of writing with a freshly sharpened wooden pencil.

### RECOMMENDED PROCEDURE

- Maintain proper blade speed for the material to be cut.
- Reduce blade feed pressure or feed rate by 50% for the first 300 to 500 square cm of material cut.
- Gradually increase feed pressure or feed rate after break-in to full pressure.

## TENSION METER

### Why use a Tension Meter?

- Incorrect tension in Bandsaw Blades can result in crooked cuts, rough cutting surfaces, and blade breakage.
- Maintaining proper blade tension will ensure a longer fatigue life for the blades.
- It also helps to reduce the likelihood of machine damage caused by over-tensioning the band.

Therefore, the band tension should be checked frequently as per below given instructions.



### Instructions for using Tension Meter

- Begin by securely affixing the Bimetal Bandsaw Blade onto the machine.
- Place the tension meter onto the loose blade, ensuring precise alignment by maintaining an approximate 5 mm distance between the back of the blade and the tension meter slot.
- Sequentially tighten the left-side thumb screw followed by the right-side thumb screw on the tension meter's moving arm.
- Set the dial ring to the Zero position, and proceed to apply tension to the blade manually or using hydraulic pressure. As a general rule, when the guides are more widely spaced, opt for a higher tension range; conversely, when the guide arms are closer together, utilize a lower tension range.
- Once tension is applied to the blade, the dial will indicate readings on the scale, where 1 division corresponds to 1000 PSI.
- Carefully adjust the tension on the blade until achieving the desired tension and corresponding reading on the scale.

### Recommended parameters of Band Tension

| WIDTH OF BANDSAW    | PSI            |
|---------------------|----------------|
| 19mm, 27mm and 34mm | 25000 to 32000 |
| 41mm and above      | 30000 to 38000 |

**Note:** Band tension capabilities may vary by make and model of the band saw machine. Machine manufacturers or technicians can help if there is any issue concerning machine band tension techniques or capabilities.

A stack of several carbon flexible bandsaws is shown, coiled together. The bandsaws are dark in color and have a serrated edge. A blue semi-transparent rectangular overlay is positioned across the middle of the stack, containing the text "CARBON FLEXIBLE BANDSAWS" in white, bold, uppercase letters. The background is a dark, solid color.

# **CARBON FLEXIBLE BANDSAWS**

## CARBON FLEXIBLE BANDSAW BLADES

The Carbon Steel Bandsaw is manufactured using finest quality imported High Carbon Steel.



### Features:-

- General-purpose cutting for mild and low alloy steels, plastics, and wood.
- Economical and high-quality bandsaw.
- Provides an economical cost per cut.

| WIDTH AND THICKNESS |            | TEETH PER INCH (25 MM) |            |
|---------------------|------------|------------------------|------------|
| MM                  | INCH       | STANDARD TOOTH         | HOOK TOOTH |
| 6.0 x 0.63          | 1/4 x .025 | 10,14,18,24            | 4,6        |
| 10.0 x 0.63         | 3/8 x .025 | 4,6,8,10,14,18,24      | 3,4,6      |
| 12.5 x 0.63         | 1/2 x .025 | 6,8,10,14,18,24        | 3,4,6      |
| 16.0 x 0.80         | 5/8 x .032 | 6,8,10,14,18           | 3,4,6      |
| 20.0 x 0.80         | 3/4 x .032 | 4,6,8,10,14,18         | 3,4,6      |
| 25.0 x 0.90         | 1 x .035   | 4,6,8,10,14            | 2,3,4,6    |

Available in: Coil and welded loop.

**BIPICO**

# HACKSAW BLADES



# HAND HACKSAW BLADES

## ALL HARD HIGH SPEED STEEL HAND BLADES



The High-Speed Steel All Hard Hand Hacksaw Blade is manufactured from premium high-speed steel for unparalleled performance. The blade undergoes precise hardening and tempering across its entire width, providing a robust and inflexible backbone.

Note: The work piece should be securely held in a clamp or vice to prevent shattering of the blade.

### Features:-

- Precise straight cuts and extended durability.
- Cuts through various materials, including alloy and stainless steels.
- Highly accurate cutting and ideal for general purpose work.
- Long life

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 250 x 12.5 x 0.63 | 10 x 1/2 x 0.025 | 18 ,24,     |
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

## ALL HARD HIGH SPEED STEEL HAND BLADE - PLUS 14



The Plus 14 blades have a special tooth geometry featuring specially Milled tooth, a positive rake angle and a smooth gullet.

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

### Features:-

- Aggressive and Faster Cut.
- Tooth remain sharper for long time
- Significant cutting efficiency and effective material removal

## ALL HARD HIGH SPEED STEEL HAND BLADE - FAST CUT



The Fast Cut Blades are manufactured using high-quality High Speed Steel and have a special tooth setting pattern. The blades undergo Precision Heat Treatment and tempering to achieve optimal tooth hardness.

### Features:-

- Sharp & fast cutting
- Precise, Efficient and Straight cutting
- Durable performance

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

## BIMETAL HIGH SPEED STEEL HAND BLADES



The shatter-proof Bimetal High Speed Steel Hand Hacksaw Blade is manufactured using the finest quality M2 High Speed cutting edge which is laser beam welded to a flexible alloy back.

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

### Features:-

- Super cutting performance, wear resistance and safety.
- It cuts through all types of materials including alloy and stainless steels.

## HIGH SPEED STEEL AND FLEXIBLE BIMETAL VARIABLE PITCH HAND HACKSAW BLADES



This innovative blade combines the tooth designs of two tooth variables to offer unique cutting.

### Features:-

- Precise cutting with extended durability for long-lasting performance.
- TCost-effective inventory management with versatile TPI capability.
- Effortlessly cuts through alloy steel to stainless steel.
- Reliable tooth design suitable for a wide range of applications.

| SIZE IN MM        | SIZE IN INCH     | TPI   |
|-------------------|------------------|-------|
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 20/24 |

## ALL HARD LOW ALLOY STEEL HAND HACKSAW BLADES



The blade is manufactured using the finest quality High Carbon Steel.

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 250 x 12.5 x 0.63 | 10 x 1/2 x 0.025 | 18 ,24,     |
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

### Features:-

- Ideal for general-purpose sawing, providing versatility in various applications.
- Efficiently cuts mild steel, brass, aluminium, copper, soft metals, and plastics for diverse cutting needs.

## FLEXIBLE LOW ALLOY STEEL HAND HACKSAW BLADES



The blade is manufactured using the finest quality High Carbon Steel and undergoes a special heat treatment and tempering to achieve flexibility.

### Features:-

- Unbreakable and designed for trainee workers, ensuring safety and ease of use.
- Ideal for general-purpose sawing, providing versatility in various applications.
- Efficiently cuts mild steel, brass, aluminium, copper, soft metals, and plastics for diverse cutting needs.

| SIZE IN MM        | SIZE IN INCH     | TPI         |
|-------------------|------------------|-------------|
| 250 x 12.5 x 0.63 | 10 x 1/2 x 0.025 | 18 ,24,     |
| 300 x 12.5 x 0.63 | 12 x 1/2 x 0.025 | 18 , 24, 32 |

## JUNIOR HACKSAW BLADES



Junior Hacksaw blades are manufactured from the best quality High Carbon Steel. The teeth are properly hardened and tempered to get optimum blade life.

### Features:-

- Useful for professional application
- It can cut soft plastic, paper board, hard board, gypsum, aluminium, non-ferrous metals, pipes and all kind of thin section material.

| SIZE IN MM     | SIZE IN INCH    | TPI       |
|----------------|-----------------|-----------|
| 150 x 6 x 0.45 | 6 x 1/4 x 0.018 | 14,24, 32 |

## POWER HACKSAW BLADES

### ALL HARD HIGH SPEED STEEL - BLUE



The High Speed Power Blades are manufactured using the highest quality M2 grade High Speed Steel. It is fully hardened with precise hardening and undergoes controlled atmosphere tempering.

**Features:-**

- Designed for high production, ensuring efficient and fast cutting processes.
- Versatile enough to cut bars, tubes, sections, and all types of hard materials with ease.

### ALL HARD HIGH SPEED STEEL - FASTCUT



The Fast Cut Power Blades are manufactured using the highest quality M2 grade High Speed Steel. It undergoes precise heat treatment and tempering. The Tooth are designed to be more aggressive and sharp.

**Features:-**

- Straight and fast cutting
- Efficient cutting
- More durability.

### BIMETAL HIGH SPEED STEEL

Bimetal HSS Power Blades, made from HSS M2 and electron beam welded to a spring steel back, are engineered to withstand heavy feed pressures, ensuring economical and high cutting rates. With exceptional durability, these virtually unbreakable blades are safe for use, making them suitable for unskilled operators or older machines. Moreover, they effortlessly cut through most types of materials, including alloy and stainless steel.



The Fast Cut Power Blades are manufactured using the highest quality M2 grade High Speed Steel. It undergoes precise heat treatment and tempering. The Tooth are designed to be more aggressive and sharp.

### LOW ALLOY STEEL POWER BLADES



The blade is manufactured using the finest quality High Carbon Steel and undergoes a special heat treatment and tempering to achieve flexibility.

# POWER HACKSAW BLADES - SIZE CHART

| SIZE IN MM |   |    |   |      | SIZE IN MM |   |       |   |       | TPI    | LAS | HSS  | Fast Cut | BIMETAL HSS  |
|------------|---|----|---|------|------------|---|-------|---|-------|--------|-----|------|----------|--------------|
|            |   |    |   |      |            |   |       |   |       |        |     | BLUE | RED      | BLUE / WHITE |
| 300        | x | 16 | x | 0.80 | 12         | x | 5/8   | x | 0.032 | 10,14  |     | ✓    | ✓        |              |
| 300        | x | 25 | x | 1.25 | 12         | x | 1     | x | 0.050 | 10,14  | ✓   | ✓    | ✓        | ✓            |
| 350        | x | 25 | x | 1.25 | 14         | x | 1     | x | 0.050 | 10,14  | ✓   | ✓    | ✓        | ✓            |
| 400        | x | 25 | x | 1.25 | 16         | x | 1     | x | 0.050 | 10,14  |     | ✓    | ✓        |              |
| 425        | x | 25 | x | 1.25 | 17         | x | 1     | x | 0.050 | 10,14  | ✓   | ✓    | ✓        |              |
| 450        | x | 25 | x | 1.25 | 18         | x | 1     | x | 0.050 | 10,14  |     | ✓    | ✓        |              |
| 400        | x | 25 | x | 1.60 | 16         | x | 1     | x | 0.062 | 10,14  | ✓   | ✓    | ✓        |              |
| 450        | x | 25 | x | 1.60 | 18         | x | 1     | x | 0.062 | 10,14  |     | ✓    | ✓        |              |
| 300        | x | 32 | x | 1.60 | 12         | x | 1 1/4 | x | 0.062 | 6,10   |     |      |          | ✓            |
| 350        | x | 32 | x | 1.60 | 14         | x | 1 1/4 | x | 0.062 | 6,10   |     | ✓    | ✓        | ✓            |
| 400        | x | 32 | x | 1.60 | 16         | x | 1 1/4 | x | 0.062 | 6,10   | ✓   | ✓    | ✓        | ✓            |
| 425        | x | 32 | x | 1.60 | 17         | x | 1 1/4 | x | 0.062 | 6,10   | ✓   | ✓    | ✓        | ✓            |
| 450        | x | 32 | x | 1.60 | 18         | x | 1 1/4 | x | 0.062 | 6,10   |     | ✓    | ✓        | ✓            |
| 450        | x | 38 | x | 1.60 | 18         | x | 1 1/2 | x | 0.062 | 6,10   | ✓   | ✓    | ✓        |              |
| 400        | x | 38 | x | 2.00 | 16         | x | 1 1/2 | x | 0.075 | 4,6,10 | ✓   | ✓    | ✓        |              |
| 350        | x | 32 | x | 2.00 | 14         | x | 1 1/4 | x | 0.075 | 4,6,10 |     | ✓    | ✓        | ✓            |
| 450        | x | 32 | x | 2.00 | 18         | x | 1 1/4 | x | 0.075 | 6,10   |     | ✓    | ✓        |              |
| 350        | x | 38 | x | 2.00 | 14         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        | ✓            |
| 450        | x | 38 | x | 2.00 | 18         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        | ✓            |
| 500        | x | 32 | x | 2.00 | 20         | x | 1 1/4 | x | 0.075 | 4,6,10 |     | ✓    | ✓        |              |
| 500        | x | 38 | x | 2.00 | 20         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        |              |
| 525        | x | 38 | x | 2.00 | 21         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        |              |
| 550        | x | 38 | x | 2.00 | 22         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        |              |
| 600        | x | 38 | x | 2.00 | 24         | x | 1 1/2 | x | 0.075 | 4,6,10 |     | ✓    | ✓        | ✓            |
| 700        | x | 38 | x | 2.00 | 28         | x | 1 1/2 | x | 0.075 | 6,10   |     | ✓    | ✓        |              |
| 600        | x | 50 | x | 2.00 | 24         | x | 2     | x | 0.075 | 4,6,10 |     | ✓    | ✓        |              |
| 650        | x | 50 | x | 2.00 | 26         | x | 2     | x | 0.075 | 6,10   |     | ✓    | ✓        |              |
| 450        | x | 32 | x | 2.25 | 18         | x | 1 1/4 | x | 0.080 | 4,6,10 |     |      |          | ✓            |
| 450        | x | 38 | x | 2.25 | 18         | x | 1 1/2 | x | 0.080 | 4,6,10 |     |      |          | ✓            |
| 500        | x | 38 | x | 2.25 | 20         | x | 1 1/2 | x | 0.080 | 4,6,10 |     | ✓    | ✓        | ✓            |
| 450        | x | 45 | x | 2.25 | 18         | x | 1 3/4 | x | 0.080 | 4,6    |     | ✓    | ✓        | ✓            |
| 475        | x | 45 | x | 2.25 | 19         | x | 1 3/4 | x | 0.080 | 6      |     |      |          | ✓            |
| 500        | x | 45 | x | 2.25 | 20         | x | 1 3/4 | x | 0.080 | 4,6    |     |      |          | ✓            |
| 525        | x | 45 | x | 2.25 | 21         | x | 1 3/4 | x | 0.080 | 4,6    |     | ✓    | ✓        | ✓            |
| 550        | x | 45 | x | 2.25 | 22         | x | 1 3/4 | x | 0.080 | 6,10   |     | ✓    | ✓        | ✓            |
| 575        | x | 45 | x | 2.25 | 23         | x | 1 3/4 | x | 0.080 | 6      |     |      |          | ✓            |

| SIZE IN MM |   |    |   |      | SIZE IN MM |   |       |   |       | TPI    | LAS | HSS  | Fast Cut | BIMETAL HSS  |
|------------|---|----|---|------|------------|---|-------|---|-------|--------|-----|------|----------|--------------|
|            |   |    |   |      |            |   |       |   |       |        |     | BLUE | RED      | BLUE / WHITE |
| 600        | x | 45 | x | 2.25 | 24         | x | 1 3/4 | x | 0.080 | 6      |     | √    | √        | √            |
| 600        | x | 50 | x | 2.25 | 24         | x | 2     | x | 0.080 | 4,6,10 |     | √    | √        | √            |
| 600        | x | 38 | x | 2.50 | 24         | x | 1 1/2 | x | 0.100 | 4,6,10 |     | √    | √        |              |
| 500        | x | 50 | x | 2.50 | 20         | x | 2     | x | 0.100 | 4,6    |     |      |          | √            |
| 525        | x | 50 | x | 2.50 | 21         | x | 2     | x | 0.100 | 4,6    |     |      |          | √            |
| 550        | x | 50 | x | 2.50 | 22         | x | 2     | x | 0.100 | 4,6    |     |      |          | √            |
| 575        | x | 50 | x | 2.50 | 23         | x | 2     | x | 0.100 | 4,6    |     |      |          | √            |
| 600        | x | 50 | x | 2.50 | 24         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |
| 650        | x | 50 | x | 2.50 | 26         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |
| 700        | x | 38 | x | 2.50 | 28         | x | 1 1/2 | x | 0.100 | 4,6    |     | √    | √        |              |
| 700        | x | 50 | x | 2.50 | 28         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |
| 750        | x | 38 | x | 2.50 | 30         | x | 1 1/2 | x | 0.100 | 4,6    |     | √    | √        |              |
| 750        | x | 50 | x | 2.50 | 30         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |
| 800        | x | 50 | x | 2.50 | 32         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |
| 900        | x | 50 | x | 2.50 | 36         | x | 2     | x | 0.100 | 4,6    |     | √    | √        | √            |

## PATA / PLANNER BLADES

A Unique product to cater to vast industrial application & wood working.



### Features:-

- Available in two grades i.e. Low Alloy Steel & High Speed Steel.
- A Planner Blade is used in Hand Planners and in Machines for Wood-Working
- A Scraper in Chemical Plants, Engineering Industries, Construction Industries, etc.

# SAWS & FRAMES

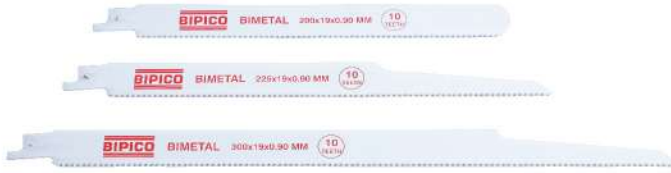


## PALLET DISMANTLING BLADES

The pallet dismantling blades are manufactured using the finest quality Bimetal Steel Raw Material. They characterise a special milled tooth design for superior cutting performance and undergo special heat treatment for extended durability.

### Features:-

- For heavy duty and demolition application in wood and metal.
- High-performance cutting blade for pallet dismantling
- Specially designed pointed shape for easy entry into difficult-to-cut junctions.



| SIZE (MM)         | SIZE (INCH)         | TPI         |
|-------------------|---------------------|-------------|
| 150 X 19 X 0.90MM | 6" X 3/4" X 0.035"  | 10,14,10/14 |
| 200 X 19 X 0.90MM | 8" X 3/4" X 0.035"  | 10,14,10/14 |
| 225 X 19 X 0.90MM | 9" X 3/4" X 0.035"  | 10,14,10/14 |
| 300 X 19 X 0.90MM | 12" X 3/4" X 0.035" | 10,14,10/14 |

## RECIPROCATING SAW BLADES

The reciprocating saw blades are manufactured using the finest quality Bimetal Steel Raw Material with 8% cobalt. They characterise a special milled tooth design for superior cutting performance and undergo special heat treatment for extended durability.

### Features:-

- For cutting Metal including nonferrous pipes, sheet metals.
- Specially designed pointed shape for easy entry into difficult-to-cut junctions.

| SIZE (MM)         | SIZE (INCH)         | TPI         |
|-------------------|---------------------|-------------|
| 150 X 19 X 0.90MM | 6" X 3/4" X 0.035"  | 10,14,10/14 |
| 200 X 19 X 0.90MM | 8" X 3/4" X 0.035"  | 10,14,10/14 |
| 225 X 19 X 0.90MM | 9" X 3/4" X 0.035"  | 10,14,10/14 |
| 300 X 19 X 0.90MM | 12" X 3/4" X 0.035" | 10,14,10/14 |



## GP SAW - DO-IT-YOURSELF

Our General Purpose Saw, a cutting-edge 21st century product, is a revolutionary DO-IT-YOURSELF tool. This invaluable tool serves automobile workshops, carpenters, small factories, engineering industries, building contractors, households, farms, and gardens. Its special Zinc Die Cast Handle offers nine different adjustable angles, enabling easier cutting at DIFFICULT-TO-REACH POSITIONS.



Available in: 4TPI, 6TPI, 10TPI & 14TPI with flexible blade.

### Applications:

- 10 TPI - Suitable for Non-Ferrous and Ferrous Bars, Sections, Angles, Channels, Cables, Asbestos Sheets, etc.
- 14 TPI - Suitable for galvanised pipes & sheets, PVC pipes, cement pipes, ceramic pipes, etc
- 6 TPI - Suitable for hard wood
- 4 TPI - Suitable for soft wood.

\*Note- Replacement of the blade is easy & quick.

## AIR SAW BLADE

Bimetal special design blade with Raker and Wavy set useful for cutting sheet metals, plastics, aluminium, Sandwich materials, useful in automobile garage as well as small workshops.

| SIZE (MM)         | TPI   |
|-------------------|-------|
| 90 X 1.8 X 3 9/16 | 14,18 |
| 90 X 1.4 X 3 9/16 | 14,18 |
| 90 X 1.1 X 3 9/16 | 18,24 |
| 90 X 0.8 X 3 9/16 | 32    |
| 96 X 1.8 X 3 3/4  | 14,18 |
| 96 X 1.4 X 3 3/4  | 18,24 |
| 90 X 1.8 X 3 9/16 | 14    |



## PROFESSIONAL: TUBULAR HACKSAW FRAME



|         |                             |
|---------|-----------------------------|
| Blade   | 250mm/300mm<br>10/12 inches |
| Section | 13mm x 16 mm x 19 Gauge     |
| Nt.Wt.  | 670gms                      |

- Zinc Die Cast Handle. Powder coated
- Adjustable for 10" & 12" Blade.
- Tubular design to give rigidity.

## PROFESSIONAL RECTANGULAR FRAME

|         |                             |
|---------|-----------------------------|
| Blade   | 250mm/300mm<br>10/12 inches |
| Section | 20mmx15mmx18                |
| Nt.Wt.  | 520gms                      |

- Heavy Duty aluminium die-cast handle.
- Handle & pipe - epoxy powder coated.
- Rigid & balanced frame with carbon steel pipe...
- 8mm square fitting with wing nut.
- In the process of blade fitting, rivets do not fall off.
- Also available with the same feature in chrome plated pipe.



## PROFESSIONAL: TUBULAR FRAME



|         |                             |
|---------|-----------------------------|
| Blade   | 250mm/300mm<br>10/12 inches |
| Section | 18mm x 13 mm x 16 Gauge     |
| Nt.Wt.  | 370gms                      |

- Unbreakable Nylon Handle.
- Pipe Epoxy Powder Coated.
- Adjustable for 10" & 12" Blade.
- 8mm square fitting with wing nut.
- In the square of blade fitting rivets do not fall off.
- Also available with the same feature in chrome plated pipe.

## PROFESSIONAL: FRAME ADJUSTABLE

|         |                             |
|---------|-----------------------------|
| Blade   | 250mm/300mm<br>10/12 inches |
| Section | 18mm x 5.0mm                |
| Nt.Wt.  | 685gms                      |

- A.B.S. Plastic Heavy Handle.
- Adjustable for 10" & 12" Blade.
- 8mm square fitting with wing nut.
- In the process of blade fitting, rivets do not fall off.



## PROFESSIONAL: FIX TYPE FRAME



|         |                   |
|---------|-------------------|
| Blade   | 300mm / 12 inches |
| Section | 19mm x 6.35mm     |
| Nt.Wt.  | 610gms            |

- Rigid & heavy duty frame for 12" blades only.
- Environmental friendly wooden handle.
- 8mm square fitting with wing nut.
- In the process of blade fitting, rivets do not fall off.

## HANDY JUNIOR SAW - PISTOL GRIP

|         |                 |
|---------|-----------------|
| Blade   | 150mm/6 inches  |
| Section | 9.5 mm x 4.78mm |
| Nt.Wt.  | 140gms          |

- Pistol Grip A.B.S. die moulded handle
- Fitted with 6" blade.
- Nickel Plated square screws for blade holding.
- Knurled nut for blade tensioning.



## JUNIOR SAW FRAME



|         |                |
|---------|----------------|
| Blade   | 150mm/6 inches |
| Section | 9.5mmx5mm      |
| Nt.Wt.  | 170gms         |

- Useful for home/factory/articiane etc.
- Hexagon nut fitted in wooden handle for blade tensioning.
- Nickel plated screw for blade holding.

## HANDY WIRE SAW - SLEEK TYPE BWS - 6

|         |                |
|---------|----------------|
| Blade   | 150mm/6 inches |
| Section | 6mm round      |
| Nt.Wt.  | 100gms         |

- Low price sleek saw frame.
- Bow available in different assorted powder coated color.
- 6" blade fitted with the help of powder coated dowels.



# TOOL BITS

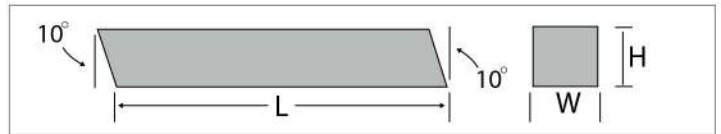
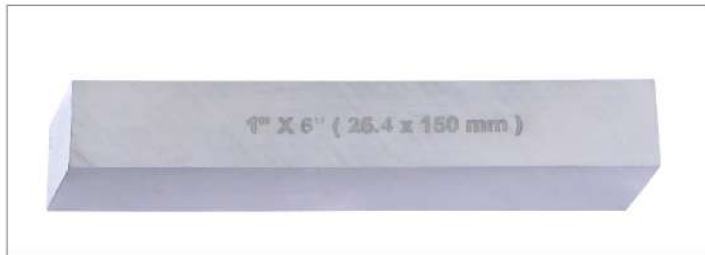
BIPICO - BP - 404



**HIGH SPEED TOOL BITS** are manufactured from the finest quality High Speed Steel with various cobalt grade. These versatile tool bits are widely utilized for machining both ferrous and nonferrous metals. With sophisticated heat treatment, they offer extended life between two regrinds, ensuring exceptional performance in various applications.

## SQUARE GROUND TOOL BITS

### HIGH SPEED STEEL



| SIZE (INCH) |        |        |
|-------------|--------|--------|
| WIDTH       | HEIGHT | LENGTH |
| 1/8 3/16    | 1/8    | 2 1/2  |
| 3/16        | 3/16   | 2 1/2  |
| 1/4         | 1/4    | 2 1/2  |
| 5/16        | 5/16   | 2 1/2  |
| 3/8         | 3/8    | 3      |
| 7/16        | 7/16   | 3 1/2  |
| 1/2         | 1/2    | 4      |
| 5/8         | 5/8    | 4 1/2  |
| 3/4         | 3/4    | 5      |
| 7/8         | 7/8    | 6      |
| 1           | 1      | 7      |
| 1 1/8       | 1 1/8  | 7      |
| 1 1/4       | 1 1/4  | 7      |

| SIZE (INCH) |        |        |
|-------------|--------|--------|
| WIDTH       | HEIGHT | LENGTH |
| 1/4         | 1/4    | 4      |
| 1/4         | 1/4    | 6      |
| 1/4         | 1/4    | 8      |
| 5/16        | 5/16   | 4      |
| 5/16        | 5/16   | 6      |
| 5/16        | 5/16   | 8      |
| 3/8         | 3/8    | 4      |
| 3/8         | 3/8    | 6      |
| 3/8         | 3/8    | 8      |
| 3/8         | 3/8    | 10     |
| 7/16        | 7/16   | 6      |
| 1/2         | 1/2    | 6      |
| 1/2         | 1/2    | 8      |
| 1/2         | 1/2    | 10     |
| 5/8         | 5/8    | 6      |
| 5/8         | 5/8    | 8      |
| 3/4         | 3/4    | 6      |
| 3/4         | 3/4    | 8      |
| 1           | 1      | 8      |

**Available Grade:-**

BP 101 GRADE M2 WITHOUT COBALT ----- Useful for relatively softer material.

BP 202 GRADE M35 WITH 5% COBALT -----Economical grade for general purpose.

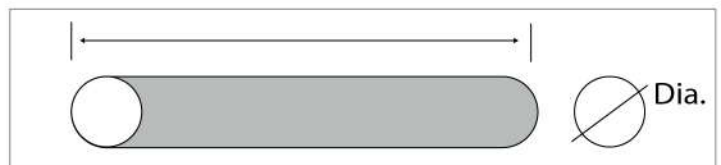
BP 303 GRADE M42 WITH 8% COBALT ----- Difficult to machine alloys and high strength steel

BP 404 GRADE T42 WITH 10% COBALT ----- Useful for finishing operation were maximum tool life is required.  
Useful for tough material.

BP 505 GRADE T42 WITH 10% COBALT ----- Useful for better output and longer life on tough material.  
(WITH CRYOGENIC TREATMENT)

## ROUND TOOL BITS

### HIGH SPEED STEEL



| SIZE (INCH) |        |
|-------------|--------|
| DIAMETER    | LENGTH |
| 1/8         | 2 3/4  |
| 3/16        | 3 1/2  |
| 1/4         | 2 1/2  |
| 5/16        | 2 1/2  |
| 5/16        | 3 1/2  |
| 3/8         | 3      |
| 7/16        | 3 1/2  |
| 7/16        | 4      |
| 1/2         | 4      |
| 5/8         | 3      |

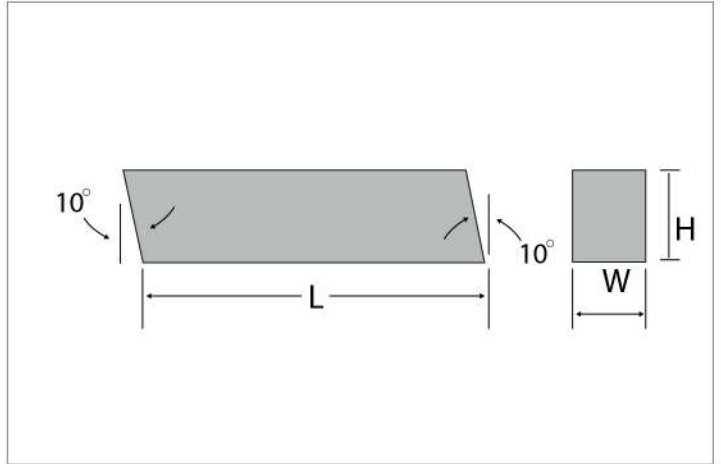
| EXTRA LONG |        |
|------------|--------|
| DIAMETER   | LENGTH |
| 1/4        | 4      |
| 5/16       | 4 1/2  |
| 3/8        | 8      |
| 3/8        | 5      |
| 7/16       | 5 1/2  |
| 1/2        | 6      |
| 3/16       | 6      |
| 5/8        | 6      |
| 3/4        | 6      |
| 7/8        | 6      |
| 7/8        | 8      |
| 1          | 6      |
| 1          | 8      |

**Available Grade:-**

BP 101 GRADE M2 WITHOUT COBALT

BP 202 GRADE M35 WITH 5% COBALT

# RECTANGULAR GROUND TOOL BITS HIGH SPEED STEEL



| SIZE (INCH) |        |        |
|-------------|--------|--------|
| WIDTH       | HEIGHT | LENGTH |
| 1/8         | 1/2    | 4      |
| 3/16        | 5/16   | 4      |
| 1/4         | 3/8    | 2 1/2  |
| 1/4         | 3/8    | 3      |
| 1/4         | 3/8    | 4      |
| 1/4         | 3/8    | 6      |
| 1/4         | 1/2    | 3      |
| 1/4         | 1/2    | 4      |
| 1/4         | 1/2    | 6      |
| 1/4         | 3/4    | 4      |
| 1/4         | 3/4    | 5      |
| 1/4         | 3/4    | 6      |
| 1/4         | 1      | 6      |
| 5/16        | 3/8    | 4      |
| 5/16        | 7/16   | 3      |
| 5/16        | 7/16   | 4      |
| 5/16        | 1/2    | 4      |
| 5/16        | 1/2    | 6      |
| 5/16        | 3/4    | 4      |
| 5/16        | 3/4    | 5      |
| 5/16        | 1      | 6      |
| 3/8         | 1/2    | 3      |
| 3/8         | 1/2    | 4      |
| 3/8         | 5/8    | 4      |
| 3/8         | 5/8    | 5      |
| 3/8         | 5/8    | 6      |
| 3/8         | 3/4    | 4      |

| SIZE (INCH) |        |        |
|-------------|--------|--------|
| WIDTH       | HEIGHT | LENGTH |
| 3/8         | 3/4    | 5      |
| 3/8         | 3/4    | 6      |
| 3/8         | 1      | 6      |
| 1/2         | 3/4    | 4      |
| 1/2         | 3/4    | 5      |
| 1/2         | 3/4    | 6      |
| 1/2         | 1      | 6      |
| 1/2         | 1      | 7      |
| 1/2         | 1      | 8      |
| 1/2         | 1.25   | 7      |
| 1/2         | 1.5    | 7      |
| 5/8         | 3/4    | 5      |
| 5/8         | 7/8    | 6      |
| 5/8         | 1      | 6      |
| 5/8         | 1      | 7      |
| 5/8         | 1.25   | 6      |
| 5/8         | 1.25   | 7      |
| 5/8         | 1.5    | 7      |
| 3/4         | 1      | 6      |
| 3/4         | 1      | 7      |
| 3/4         | 1.25   | 6      |
| 3/4         | 1.25   | 7      |
| 3/4         | 1.5    | 7      |
| 3/4         | 1.125  | 7      |
| 1.125       | 6      |        |
| 1.125       | 7      |        |
| 1.5         | 7      |        |

**Available Grade:-**

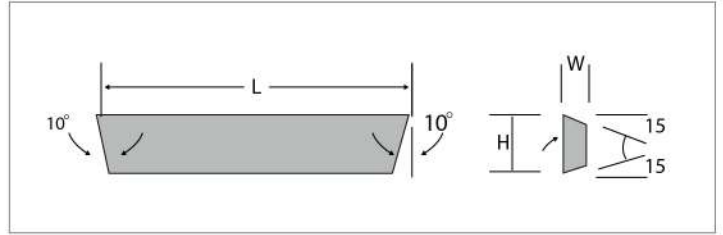
BP 101 GRADE M2 WITHOUT COBALT

BP 202 GRADE M35 WITH 5% COBALT

BP 303 GRADE M35 WITH 8% COBALT

## CUT-OFF BLADES

### HIGH SPEED STEEL



| WIDTH | SIZE (INCH) |        | LENGTH |
|-------|-------------|--------|--------|
|       | HEIGHT      | HEIGHT |        |
| 1/6   | 1/2         | 1/2    | 4 1/2  |
| 1/16  | 11/16       | 1/2    | 5      |
| 3/32  | 1/2         | 1/2    | 4 1/2  |
| 3/32  | 5/8         | 1/2    | 5      |
| 1/8   | 1/2         | 1/2    | 4 1/2  |
| 1/8   | 3/4         | 1/2    | 5      |
| 1/8   | 3/4         | 1/2    | 6      |
| 1/8   | 7/8         | 1/2    | 6      |
| 1/8   | 7/8         | 1/2    | 7      |
| 3/16  | 3/4         | 1/2    | 6      |
| 3/16  | 13/16       | 1/2    | 6      |
| 3/16  | 1           | 1/2    | 6 1/2  |
| 3/16  | 1           | 1/2    | 8      |
| 3/16  | 1 1/8       | 1/2    | 7      |
| 1/4   | 1 1/8       | 1/2    | 7      |
| 1/4   | 1 1/4       | 1/2    | 7      |
| 1/4   | 1 1/4       | 1/2    | 9      |

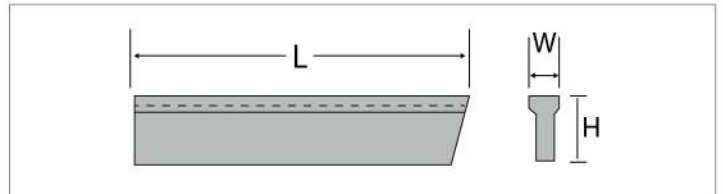
**Available Grade:-**

BP 101 GRADE M2 WITHOUT COBALT

BP 202 GRADE M35 WITH 5% COBALT

## CUT-OFF BLADES P TYPE (T SHAPED)

### HIGH SPEED STEEL



| CODE | SIZE (INCH) |        | LENGTH |
|------|-------------|--------|--------|
|      | HEIGHT      | HEIGHT |        |
| P1N  | 0.04        | 1/2    | 3 1/2  |
| P1N  | 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        | 11/16  | 5      |
| P3   | 1/8         | 11/16  | 5      |
| P4   | 5/32        | 11/16  | 5      |
| P5S  | 3/16        | 11/16  | 5      |
| P3W  | 1/8         | 3/4    | 5      |
| P4W  | 5/32        | 3/4    | 5      |
| P5W  | 3/16        | 3/4    | 5      |
| P5X  | 1/8         | 7/8    | 6      |
| P5N  | 5/32        | 7/8    | 6      |
| P5   | 3/16        | 7/8    | 6      |
| P6   | 1/4         | 7/8    | 6      |
| P8X  | 1/8         | 1 1/8  | 6 1/2  |
| P8N  | 5/32        | 1 1/8  | 6 1/2  |
| P8   | 3/16        | 1 1/8  | 6 1/2  |
| P9   | 1/4         | 1 1/8  | 6 1/2  |
| P10  | 5/16        | 1 1/8  | 6 1/2  |

**Available Grade:-**

BP 101 GRADE M2 WITHOUT COBALT

BP 202 GRADE M35 WITH 5% COBALT

# HOLE SAWS



**BIPICO**<sup>®</sup>  
Universal Hole Saw  
32MM (1 1/4")  
BI-METAL R<sup>®</sup> Co (M42)

## UNIVERSAL HOLE SAW

Universal Hole Saws are precision-crafted from HSS M42 (8% Cobalt) grade Bimetal Strips imported from leading European suppliers. The tooth geometry is specially designed in-house by R&D team which ensures efficient cutting across various materials. The Hole Saws undergo advanced heat treatment in fully automated, CNC-controlled imported furnaces within an inert atmosphere, resulting in exceptional consistency in hardness and improved toughness. With a single-piece construction and inbuilt Arbor & Drill, our Universal Hole Saw offers convenience and superior performance.



| DIAMETER |       |    |       |     |       |
|----------|-------|----|-------|-----|-------|
| MM       | INCH  | MM | INCH  | MM  | INCH  |
| 12       | 1/2   | 40 | 1-5/8 | 70  | 2-3/4 |
| 16       | 5/8   | 44 | 1-3/4 | 76  | 3     |
| 19       | 3/4   | 48 | 1-7/8 | 79  | 3-1/8 |
| 22       | 7/8   | 51 | 2     | 83  | 3-1/4 |
| 25       | 1     | 54 | 2-1/4 | 86  | 3-3/8 |
| 29       | 1-1/8 | 57 | 2-1/4 | 89  | 3-1/2 |
| 32       | 1-1/4 | 60 | 2-3/8 | 95  | 3-3/4 |
| 35       | 1-3/8 | 64 | 2-1/2 | 102 | 4     |
| 38       | 1-1/2 | 67 | 2-5/8 |     |       |

### Features:-

- **Extended Cutting Depth:** Offers a cutting depth of 27 mm, providing twice the lifespan compared to conventional Hole Saws.
- **Versatile Material Cutting:** Specially designed for cutting various soft and hard materials, ensuring excellent performance across different applications.
- **Improved Hardness and Toughness:** HSS teeth exhibit higher hardness and toughness, ensuring exceptional cutting performance and extended tool life.

## PRECISION HOLE SAW

Precision Hole Saws, manufactured from HSS M42 (8% Cobalt) imported Bimetal Strips. Our in-house R&D team has meticulously designed the tooth geometry with a variable pitch and positive rake angle. These Hole Saws undergo advanced heat treatment in fully automated CNC controlled imported furnaces, creating a consistent hardness and enhanced toughness within an inert atmosphere. Experience precision cutting at its finest. The depth of Holesaw is 41 mm which offers making holes on High Thickness Sheets.

| DIAMETER |        |    |       |     |       |     |        |
|----------|--------|----|-------|-----|-------|-----|--------|
| MM       | INCH   | MM | INCH  | MM  | INCH  | MM  | INCH   |
| 14       | 9-16   | 44 | 1-3/4 | 79  | 3-1/8 | 114 | 4-1/2  |
| 16       | 5/8    | 48 | 1-7/8 | 83  | 3-1/4 | 121 | 4-3/4  |
| 19       | 3/4    | 51 | 2     | 86  | 3-3/8 | 127 | 5      |
| 22       | 7/8    | 54 | 2-1/8 | 89  | 3-1/2 | 133 | 5-1/4  |
| 25       | 1      | 57 | 2-1/4 | 92  | 3-5/8 | 140 | 5-1/2  |
| 29       | 1-1/8  | 60 | 2-3/8 | 95  | 3-3/4 | 152 | 6      |
| 32       | 1-1/4  | 64 | 2-1/2 | 102 | 4     | 160 | 6-5/16 |
| 35       | 1-3/8  | 67 | 2-5/8 | 105 | 4-1/8 | 183 | 7-5/16 |
| 38       | 1-1/2  | 70 | 2-3/4 | 108 | 4-1/4 | 210 | 8-1/4  |
| 40       | 1-9/16 | 76 | 3     | 111 | 4-3/8 |     |        |



### Features:-

- Special heat treatment ensures faster cutting compared to conventional Hole Saws.
- Provides extra swap clearance for cutting thicker metal sections.
- Better Drill geometry allows for easier penetration into the material.
- Smooth cut with reduced tendency to snag on irregular surfaces.
- Suitable for cutting various materials, including Cast Iron, Mild Steel, Cast Steel, Stainless Steel, Aluminium, Duralium, Non Ferrous Alloys, Bakelite, Bronze, Brass, Wood, Hardwood, and Plaster of Paris.
- Ideal for a variety of applications, such as production, maintenance, electrical panel manufacturing, plumbing, and carpentry.

## HSS M2 HOLE SAW

Our HSS All Hard Hole saws are made from HSS M2 Material.

| SIZE MM | INCH   |
|---------|--------|
| 19      | 3/4"   |
| 22      | 7/8"   |
| 29      | 1-1/8" |
| 32      | 1-1/4" |
| 44      | 1-3/4" |
| 51      | 2      |



### Features:-

- Single Piece Construction: Comes with BPA 02 Arbor and ejector spring for easy use.
- It has an additional teeth relief gullet at each tooth for efficient chip removal while drilling.
- Suitable for drilling bigger thickness sheets, ranging from 4mm to 6mm thickness.
- Begin cutting at low (or recommended) speed (RPM), gradually increasing the speed as ease of cutting improves. Avoid extreme heat build-up on the cutting surface.

## ARBOR

BIPICO offers three types of Arbors specially designed to perfectly complement PRECISION HOLE SAWS. These Arbors feature a hex shank for improved grip and an interlocking provision for added stability.



### Arbor Types:-

- BPA03 Hex Shank 9mm (3/8") - Suitable for Dia 14mm to 35mm Hole Saws
- BPA05 - Quick Release Hex Shank 9mm (3/8") - Suitable for Dia 38mm to 210mm Hole Saws
- BPA06 Quick Release Hex Shank 11 mm (7/16") - Suitable for Dia 38mm to 210mm Hole Saws

## HOLE SAW KIT

Our Hole Saw Kits are tailored to cut through any material with ease. Each Kit comprises assorted Hole Saws and accessories meticulously crafted for specific applications in electrical, plumbing, interior decoration.

We have curated three different types of Kits which is suitable for different purposes, making them indispensable tools for cutting needs:

The standard Kits have in them Bimetal M42 (8% Cobalt) Hole Saws of variable TPI.

### General Purpose Kit



### Special Purpose Kit



### Universal Kit



| JOB                          | HOLE SAW MM                                 | ACCESSORIES                              |
|------------------------------|---|--|
| General Purpose Kit          | 25,29,35,44,51 & 64                         | BPA03 & BPA05 Arbors, HSP Ejector Spring |
| Electrician Kit              | 16,20,25,29,44 & 51                         | BPA03 & BPA05 Arbors, HSP Ejector Spring |
| Electrician Kit              | 16,20,22,25,29,35,44,51,64,68 & 76          | BPA03 & BPA06 Arbors, HSP Ejector Spring |
| Plumbers Kit                 | 19,22,29,38,44,51 & 57                      | BPA03 & BPA05 Arbors, HSP Ejector Spring |
| Plumbers Kit                 | 16,19,22,29,35,38,44,51,57,65 & 68          | BPA03 & BPA06 Arbors, HSP Ejector Spring |
| Plumbers and Electrician Kit | 16,20,22,29,35,38,40,44,51,57,65 & 68       | BPA03 & BPA06 Arbors, HSP Ejector Spring |
| Automotive Kit               | 19,22,25,29,32 & 38                         | BPA03 & BPA05 Arbors                     |
| Locksmith Kit                | 24,27,32,35,38,54 & 60                      | BPA03 & BPA05 Arbors, HSP Ejector Spring |
| Locksmith Kit                | 22,24,25,27,32,35,38,44,54 & 60             | BPA03 & BPA06 Arbors, HSP Ejector Spring |
| Universal Kit                | 16,57,64,20,22,25,29,32,35,38,44,51,68 & 76 | BPA03 & BPA06 Arbors, HSP Ejector Spring |

## HOLE SAW CUTTING TIPS

Recommended Cutting Speeds (RPM) for Sawing various materials

| SAW DIAMETER |              | MILD STEEL RPM | STAINLESS & TOOL STEEL RPM | CAST IRON RPM | BRASS & ALUMINUM RPM |
|--------------|--------------|----------------|----------------------------|---------------|----------------------|
| MM           | INCH         |                |                            |               |                      |
| 14-25        | 9/16-1       | 580-350        | 300-175                    | 400-235       | 790-470              |
| 27-51        | 1 1/16-2     | 325-170        | 160-85                     | 215-115       | 435-230              |
| 52-76        | 2 1/16-3     | 165-115        | 80-85                      | 110-75        | 220-150              |
| 79-102       | 3 1/8-4      | 110-85         | 55-40                      | 70-55         | 140-110              |
| 105-210      | 4 1/8-8 9/32 | 80-40          | 40-20                      | 55-25         | 110-60               |

### Features:-

- Always wear safety glasses
- Keep hands, loose hair, and clothing away from the rotating Saws.
- Use oil or coolant on most metals except cast iron for smoother cutting.
- Hold the Impact Drill machine firmly and keep it perpendicular to the work surface.
- Use enough pressure to ensure the Hole Saw cuts efficiently, clearing chips frequently.
- Follow the recommended cutting speed for the Hole Saw's diameter, RPM, and material to be cut. Consider using a variable speed machine, if available.
- For harder materials and tough cuts, opt for a self-locking Arbor to reduce chatter and vibrations during cutting.
- When sawing tough materials like ceramics, consider removing the Drill from the Hole Saw once the position is established, allowing for faster cutting with reduced pressure.
- Use coolant, especially when cutting metals and fired ceramics.



# ABRASIVES



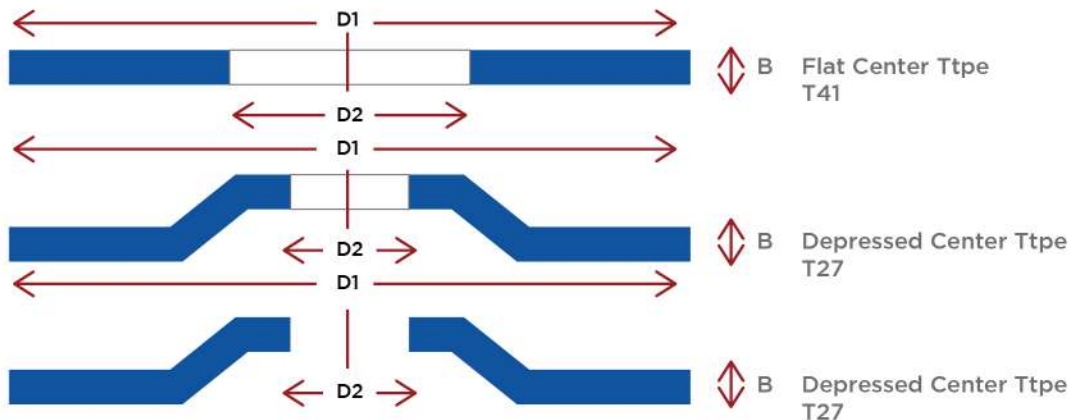
## SAFETY RECOMMENDATIONS



| ABRASIVE TYPE CODE                           | GRIT SIZE             | HARDNESS GRADE  | BOND BF            |
|--|-----------------------|---|--------------------|
| A = Aluminium Oxide                          | 16 - 24 Coarse        | (A-Z)The hardness is graded from soft to hard by means of letters in alphabetically ascending order | BF = Resinoid bond |
| C = Silicon Carbide                          | 30 - 60 Medium        | (A TO Z)<br>H-K = soft LI=medium<br>P-S = hard T-Z very hard  | Fibre = Reinforced |
| Z = Zirconia Alumina Grain                   | 70 - 220 Fine- Medium |   | woven or non-woven |
| ZA = Zirconia Alumina Grain /Aluminium Oxide |                       |   |                    |
| WA = White Corundum                          |                       |   |                    |

## DIMENSION AND SHAPES

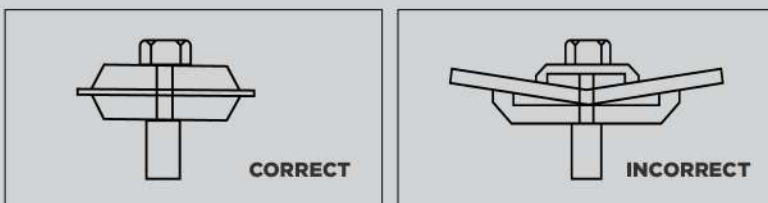
The diameter, thickness and center hole dimension are indicated in the drawings and tables by means of the following symbols:



## MOUNTING SYSTEM

Always ensure to use flanges with the same diameter and support areas for cutting and grinding operations.

Never mix flanges with different diameters as it can lead to unsafe conditions and should be avoided.



## MAXIMUM OPERATING SPEED

As per EN12413 specifications, the product label displays the maximum operating speed (m/s) of the tool.

This maximum permissible RPM specification corresponds to the nominal diameter of the tools.

## CUTTING WHEEL



- Always wear safety glasses
- High-Performance Abrasive for Metal, Stainless Steel, and Precious Metals.
- Leaves No Burning Marks on the Work Piece.
- Ensures Good Durability and Excellent Finish.
- Enhanced Safety and Efficiency.
- Enables Fast and Smooth Cutting.

### CUTTING WHEEL

| D1 x B x D2    |                | SPECIFICATION | M/S | RPM   |
|----------------|----------------|---------------|-----|-------|
| SIZE IN METRIC | SIZE IN INCH   |               |     |       |
| 76x1x9.52      | 3x1/25x3/8     | AWA600BF      | 80  | 20100 |
| 76x1.6x9.53    | 3x1/16x3/8     | AWA460BF      | 80  | 20100 |
| 100x1x16       | 4x1/25x5/8     | AWA600BF      | 80  | 15300 |
| 100x1.6x16     | 4x1/16x5/8     | AWA460BF      | 80  | 15300 |
| 115x1x22       | 4-1/2x1/25x7/8 | AWA600BF      | 80  | 13300 |
| 115x1.6x22     | 4-1/2x1/16x7/8 | AWA460BF      | 80  | 13300 |
| 125x1x22       | 5x1/25x7/8     | AWA600BF      | 80  | 12200 |
| 125x1.6x22     | 5x1/16x7/8     | AWA460BF      | 80  | 12200 |
| 180x1.6x22     | 7x1/16x7/8     | AWA460BF      | 80  | 8500  |
| 230x1.6x22     | 9x1/16x7/8     | AWA460BF      | 80  | 6600  |

## CUTTING WHEEL FOR ALL METALS

- 'A' class Aluminium Oxide Grains.
- High Security for worry-free usage.
- Enables fast and smooth cutting.
- Demonstrates impressive durability and delivers an excellent finish.



### CUTTING WHEEL FOR ALL METALS

| D1 x B x D2    |               | SPECIFICATION | M/S | RPM   |
|----------------|---------------|---------------|-----|-------|
| SIZE IN METRIC | SIZE IN INCH  |               |     |       |
| 76x3x9.53      | 3x1/8x3/8     | A30RBF        | 80  | 20100 |
| 100x3x16       | 4x1/8x5/8     | A30RBF        | 80  | 15300 |
| 115x3x22       | 4-1/2x1/8x7/8 | A30RBF        | 80  | 13300 |
| 125x3x22       | 5x1/8x7/8     | A30RBF        | 80  | 12200 |
| 180x3x22       | 7x1/8x7/8     | A30RBF        | 80  | 8500  |
| 230x3x22       | 9x1/8x7/8     | A30RBF        | 80  | 6600  |
| 300x2x25.4     | 12x0.078/1x1  | A30RBF        | 80  | 5100  |
| 300x3x25.4     | 12x1/8x1      | A30RBF        | 80  | 5100  |
| 355x3x25.4     | 14x1/8x1      | A30RBF        | 80  | 4400  |
| 355x4x25.4     | 14x5/32x1     | A24RBF        | 80  | 4400  |
| 405x4x22.2     | 16x5/32x7/8   | A24RBF        | 80  | 3800  |
| 405x4x25.4     | 16x5/32x1     | A24RBF        | 80  | 3800  |

## GRINDING DISC FOR ALL METALS



- 'A' class Aluminium Oxide Grains
- Leaves no burning marks on the work piece.
- Demonstrates impressive durability and provides an excellent finish.
- Enables fast and smooth cutting for efficient operations.

### GRINDING DISC FOR ALL METALS

| D1 x B x D2    |               | SPECIFICATION | M/S | RPM   |
|----------------|---------------|---------------|-----|-------|
| SIZE IN METRIC | SIZE IN INCH  |               |     |       |
| 100x6x16       | 4x1/4x5/8     | A24SBF        | 80  | 15300 |
| 115x6x22       | 4-1/2x1/4x7/8 | A24SBF        | 80  | 13300 |
| 115x6x16       | 4-1/2x1/4x5/8 | A24SBF        | 80  | 13300 |
| 125x6x22       | 5x1/4x7/8     | A24SBF        | 80  | 12200 |
| 150x6x22       | 6x1/4x7/8     | A24SBF        | 80  | 10200 |
| 180x6x16       | 7x1/4/5/8     | A24SBF        | 80  | 8500  |
| 180x6x22       | 7x1/4x7/8     | A24SBF        | 80  | 8500  |
| 200x6x16       | 8x1/4x5/8     | A24SBF        | 80  | 7400  |
| 200x6x22       | 4x1/4x7/8     | A24SBF        | 80  | 7400  |
| 230x6x22       | 9x1/4x7/8     | A24SBF        | 80  | 6600  |
| 230x6x16       | 4x1/4x5/8     | A24SBF        | 80  | 6600  |

## FLAP DISC (ALUMINIUM OXIDE, ZIRCONIA OXIDE)

**Material:** - Aluminium oxide, Zirconia oxide Abrasives.

**Application:** - Removing materials, edges, chamfering, burrs rust, trimming of weld joints, surface cleaning and finishing.

**Features:** -

Our Flap Discs enable quick sharpening, ensuring work pieces remain free from burning. They have high grinding efficiency, excellent safety during use, and an extended service life.



| SIZE IN MM                 | SIZE IN INCH | TYPE        | GRITS        |
|----------------------------|--------------|-------------|--------------|
| 100 X 16 MM                | 4 X 0.63     | Metal       | 36/60/80/120 |
| 100 X 16 MM                | 4 X 0.63     | Zircon (SS) | 60 / 80      |
| 100 X 16 MM (Premium)      | 4 X 0.63     | Metal       | 60/80/120    |
| 125 mm X 22.2 mm           | 5 X 0.87     | Metal       | 60/80/120    |
| 125 mm X 22.2 mm (Premium) | 5 X 0.87     | Metal       | 60/80/120    |

## ALUMINIUM OXIDE FIBER DISC

Made from flexible Hard Fiber Vulcanized Paper coated with Aluminium Oxide, this versatile abrasive tool excels in various applications. Use it for rust removal, paint stripping, deburring, grinding, and welding seam polishing with ease and efficiency.

| SIZE IN MM | SIZE IN INCH | TYPE  | GRITS           |
|------------|--------------|-------|-----------------|
| 100 mm     | 4            | Metal | 36/60/80/100    |
| 125 mm     | 5            | Metal | 16              |
| 125 mm     | 5            | Metal | 24/36/60/80/120 |
| 180 mm     | 6            | Metal | 24/36/60/80     |



## VELCRO DISC

Our tool-free, fast-changing disc finds widespread use across various industries, including automotive, hardware, electronics, plastic, furniture, hand-crafts, and low alloy polishing. Enjoy quick and effortless disc replacement for enhanced productivity and convenience.



| SIZE IN MM | SIZE IN INCH | TYPE  | GRITS                         |
|------------|--------------|-------|-------------------------------|
| 100 MM     | 4            | Metal | 320                           |
| 125 MM     | 5            | Metal | 36/40/60/80/100               |
| 150 MM     | 6            | Metal | 60/80/100/120/150/220/240/320 |

## NON WOVEN PAD

Ideal for rust removal from any surface, as well as sharp polishing and cleaning of both metal and tiles.

| SIZE IN MM      | SIZE IN INCH | TYPE   | GRITS |
|-----------------|--------------|--------|-------|
| 150 mm x 230 mm | 6 X 9        | Green  | 240   |
| 150 mm x 230 mm | 6 X 9        | Maroon | 400   |
| 150 mm x 230 mm | 6 X 9        | Brown  | 600   |



## RESIN METAL CLOTH TAPE ROLL

Our Aluminium Oxide Abrasive Cloth Roll is designed for joint belt and disc applications. It comes in various grit options, making it suitable for polishing, surface cleaning, and metal removal tasks in industries such as automotive, furniture, aviation, and engineering.



| SIZE IN MM  | SIZE IN INCH                   | TYPE  | GRITS                            |
|-------------|--------------------------------|-------|----------------------------------|
| 50 X 50000  | 2" x 50 Meter                  | Metal | 60/80/120                        |
| 100 X 50000 | 4" x 50 Meter                  | Metal | 60/80/120                        |
| 100 X 50000 | 4" x 50 Meter - Green          | Metal | 60/80/100/120                    |
| 150 X 50000 | 6" x 50 Meter                  | Metal | 60/80/120                        |
| 300 X 50000 | 12" x 50 Meter - Green / Brown | Metal | 36/60/80/100/120/180/220/320/400 |

## MARBLE CUTTER MAX KUTT



### Segmented Blades

These blades are designed for rapidly cutting marbles.  
Available Size: 4", 4 1/2", 5", 6" and 7"



### Turbo

These blades are designed for rapidly cutting of granites, marbles, concrete etc.  
Available Size: 4"



### Continuous Rim

These blades are designed for smooth and free cutting of tiles, ceramics, porcelain & moulding work.  
Available Size: 4"



### TCT CUTTER MAX KUTT FOR WOOD & ALUMINIUM

These blades are designed for cutting normal and standard wood series and all types of aluminium pipes, rod, sections and angle channel.

Available Size for wood 4" (110mm) to 14" (350mm)

Available Size for aluminium 7" (180mm) to 14" (350mm)

## MOP WHEEL (FLAP WHEEL ON SHAFT)



Used for polishing, deburring & removal of rust, scratches on all metals.

| SIZE IN MM | SIZE IN INCH | TYPE  | GRITS     |
|------------|--------------|-------|-----------|
| 25 x 25 mm | 1 X 1        | Metal | 60/80/120 |
| 40 x 25 mm | 1 1/2 X 1    | Metal | 60/80/120 |
| 50 x 25 mm | 2 X 1        | Metal | 60/80/120 |
| 60 x 25 mm | 2 1/3 X 1    | Metal | 60/80/120 |
| 80 x 25 mm | 3 X 1        | Metal | 60/80/120 |
| 50 x 50 mm | 2 X 2        | Metal | 60/80/120 |
| 50 x 75 mm | 2 X 3        | Metal | 60/80/120 |

# STEEL FILES



## SUPERCUT - STEEL FILES

All type of machinist files are used for filing & small amount of material removal of Ferrous & Non-ferrous metals, casting components etc. Saw files are used for sharpening & polishing purpose on metals as well as Granites, Vitrified tiles etc. Rasps are used on soft materials like rubber, lather, wood, plastic etc for filing purpose.

Used for removing rust from any place, for sharp Polishing and cleaning of Metal and Tiles.



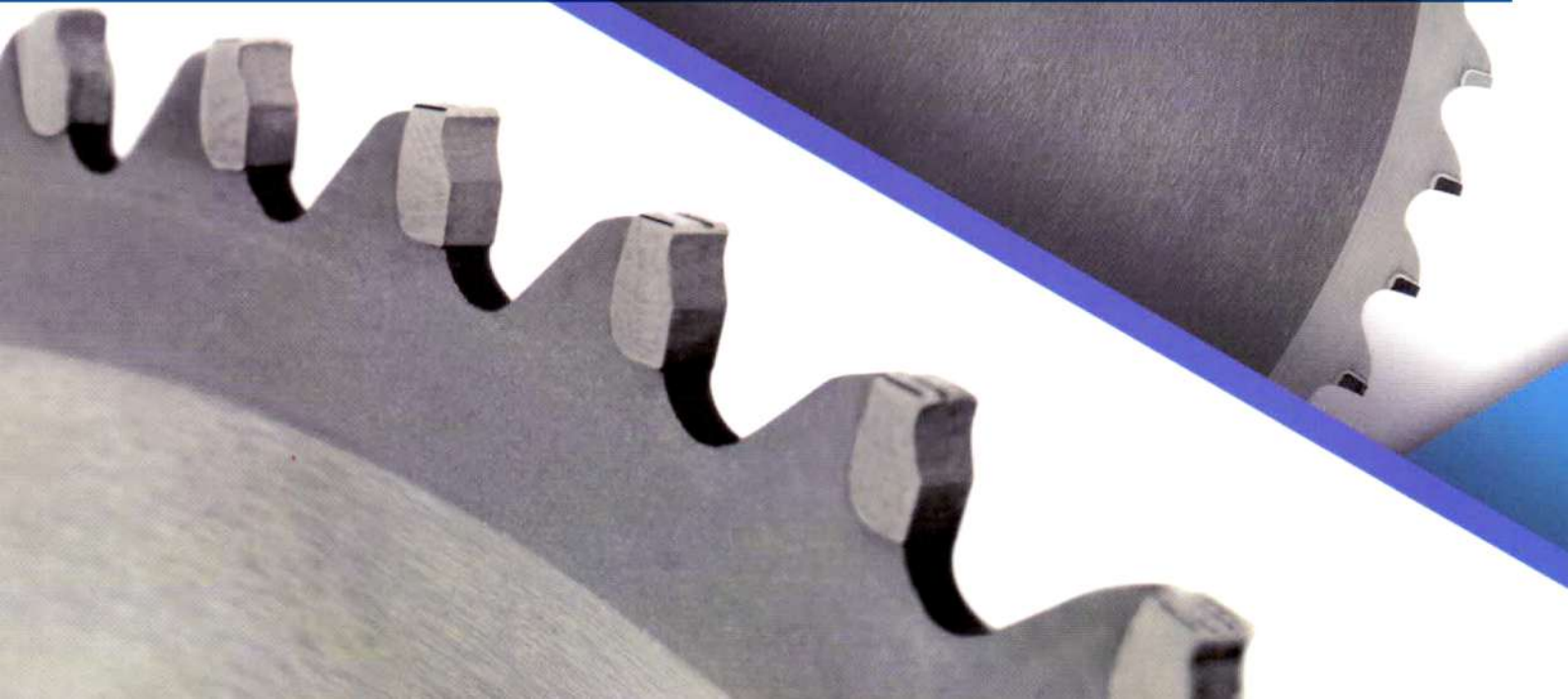
| MACHINIST FILES                                   |         |         |        |
|---|---------|---------|--------|
| FLAT / HALF ROUND / ROUND / SQUARE / THREE SQUARE |         |         |        |
| SIZE MM   | BASTARD | 2ND CUT | SMOOTH |
| 100   | ✓       | ✓       | ✓      |
| 150   | ✓       | ✓       | ✓      |
| 200   | ✓       | ✓       | ✓      |
| 250   | ✓       | ✓       | ✓      |
| 300   | ✓       | ✓       | ✓      |
| 350   | ✓       | ✓       | ✓      |

| MACHINIST FILES |                  |                  |              |
|-----------------|------------------|------------------|--------------|
| SIZE MM         | FLAT SUPER LIGHT | FLAT HANDLE      | MILL FILE    |
|                 | 2ND CUT          | BASTARD /2ND CUT | MILL BASTARD |
| 100             |                  |                  | ✓            |
| 150             |                  |                  | ✓            |
| 200             |                  |                  | ✓            |
| 250             | ✓                | ✓                | ✓            |
| 300             |                  |                  | ✓            |
| 350             |                  |                  | ✓            |

| RASP FILES      |                      |            | SAW FILES |                        |             |             |
|-----------------|----------------------|------------|-----------|------------------------|-------------|-------------|
| FLAT WOOD RASPS | HALF ROUND WOOD RASP | HORSE RASP | SIZE MM   | HEAVY / REGULAR TAPPER | FLAT HANDLE | FLAT HANDLE |
| SIZE MM         | SIZE MM              |            |           |                        |             |             |
|                 |                      |            | 100       | ✓                      | ✓           | ✓           |
|                 |                      |            | 113       | ✓                      | ✓           | ✓           |
|                 |                      |            | 125       | ✓                      | ✓           |             |
| ✓               | ✓                    |            | 150       | ✓                      | ✓           |             |
| ✓               | ✓                    |            | 200       | ✓                      | ✓           |             |
| ✓               | ✓                    |            | 250       |                        |             |             |
| ✓               | ✓                    | ✓          | 300       |                        |             |             |
| ✓               | ✓                    | ✓          | 350       |                        |             |             |



# **TCT CIRCULAR SAWS AND ANNULAR CUTTERS**



## CARBIDE CIRCULAR SAW BLADES FOR METAL CUTTING

Carbide Tipped Circular Saw Blade, widely known as the Throw Away Blade.

Our Throw Away CERMET Circular Saw Blade is specifically designed for cutting solid steel sections, ensuring fine-finish cutting, high impact response, and extended tool life.

Our Carbide Tipped Circular Saw Blade is suitable for high alloy steel and stainless steel.

Our Throw Away Carbide Circular Saw Blade with PVD coating is ideal for cutting medium and high stainless solid steel sections.



| DIA (MM) | KERF (MM) | BODY (MM) | BORE (MM) | TEETH |
|----------|-----------|-----------|-----------|-------|
| 250      | 2         | 1.7       | 32        | 54    |
| 250      | 2         | 1.75      | 32        | 60    |
| 250      | 2         | 1.75      | 32        | 72    |
| 250      | 2         | 1.75      | 32        | 80    |
| 250      | 2         | 1.75      | 32        | 100   |
| 285      | 2         | 1.7       | 32        | 60    |
| 285      | 2         | 1.75      | 40        | 7     |
| 285      | 2         | 1.75      | 40        | 80    |
| 285      | 2         | 1.75      | 40        | 100   |
| 285      | 2         | 1.75      | 40        | 120   |
| 285      | 2         | 1.75      | 40        | 140   |
| 315      | 2.3       | 2         | 32        | 54    |
| 315      | 2.3       | 2         | 32        | 60    |
| 315      | 2.3       | 2         | 32        | 72    |
| 315      | 2.3       | 2         | 32        | 80    |
| 315      | 2.3       | 2         | 32        | 100   |
| 315      | 2.3       | 2         | 32        | 120   |
| 360      | 2.6       | 2.25      | 40        | 60    |
| 360      | 2.6       | 2.3       | 50        | 72    |
| 360      | 2.6       | 2.3       | 50        | 80    |
| 360      | 2.6       | 2.3       | 50        | 100   |
| 360      | 2.6       | 2.3       | 50        | 120   |
| 420      | 2.7       | 2.25      | 40        | 50    |
| 425      | 2.7       | 2.3       | 50        | 60    |
| 425      | 2.7       | 2.3       | 50        | 72    |
| 425      | 2.7       | 2.3       | 50        | 80    |
| 425      | 2.7       | 2.3       | 50        | 100   |
| 425      | 2.7       | 2.3       | 50        | 120   |
| 460      | 2.7       | 2.25      | 40        | 50    |
| 460      | 2.7       | 2.3       | 50        | 60    |
| 460      | 2.7       | 2.3       | 50        | 72    |
| 460      | 2.7       | 2.3       | 50        | 80    |
| 460      | 2.7       | 2.3       | 50        | 100   |
| 460      | 2.7       | 2.3       | 50        | 120   |
| 480      | 2.7       | 2.25      | 40        | 50    |
| 480      | 2.7       | 2.3       | 50        | 60    |
| 480      | 2.7       | 2.3       | 50        | 72    |
| 480      | 2.7       | 2.3       | 50        | 80    |
| 730      | 5.5       | 4         | 80        | 64    |

## OFF LINE TUBE CUTTER



STATIONARY TUBE CUT BLADE

| DIA (MM) | KERF (MM) | BODY (MM) | BORE (MM) | TEETH           |
|----------|-----------|-----------|-----------|-----------------|
| 250      | 2         | 1.7       | 32        | 120             |
| 285      | 2         | 1.7       | 32/40     | 120             |
| 285      | 2         | 1.7       | 32/40     | 140             |
| 315      | 2.5       | 2.25      | 50        | 90/108/120      |
| 335      | 2.5       | 2.25      | 50        | 90/108/120      |
| 350      | 2.5-2.7   | 2.25      | 32/50     | 100/120/144/160 |
| 370      | 2.6       | 2.25      | 32/50     | 100/120/144/160 |
| 420      | 2.7       | 2.25      | 50        | 70/90           |

## DRY CUT BLADE FOR STEEL

THIN STEEL

| DIA (") | DIA (MM) | TEETH | ARBOR (MM) | KERF(MM) | GRIND |
|---------|----------|-------|------------|----------|-------|
| 250     | 2        | 1.7   | 32         | ATB      | ATB   |
| 285     | 2        | 1.7   | 32/40      | ATB      | ATB   |
| 285     | 2        | 1.7   | 32/40      | ATB      | ATB   |
| 315     | 2.5      | 2.25  | 50         | MTCG     | MTCG  |
| 335     | 2.5      | 2.25  | 50         | MTCG     | MTCG  |

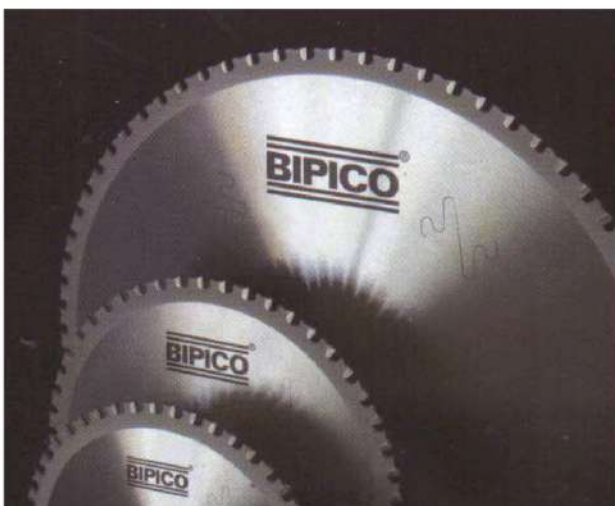
STANDARD

| DIA (") | DIA (MM) | TEETH | ARBOR (MM) | KERF(MM) | GRIND |
|---------|----------|-------|------------|----------|-------|
| 4.30"   | 110      | 28    | 20         | 1.6      | MTCG  |
| 5 3/8"  | 136      | 30    | 20         | 1.5      | MTCG  |
| 6 1/2"  | 165      | 48    | 16         | 1.6      | MTCG  |
| 6 7/8"  | 174      | 36    | 20         | 1.7      | MTCG  |
| 7"      | 180      | 36    | 20         | 2        | TCG   |
| 7"      | 180      | 38    | 20         | 2        | TCG   |
| 7 1/4"  | 184      | 38    | 20         | 2        | TCG   |
| 7 1/4"  | 184      | 48    | 16         | 2        | TCG   |
| 8"      | 203      | 40    | 16 or 20   | 2        | TCG   |
| 8"      | 203      | 42    | 16         | 1.9      | MTCG  |
| 8"      | 203      | 50    | 16         | 1.9      | MTCG  |
| 9"      | 230      | 48    | 25         | 2        | TCG   |
| 10"     | 254      | 52    | 25         | 2        | TCG   |
| 12"     | 305      | 60    | 25         | 2.2      | TCG   |
| 14"     | 355      | 66    | 25         | 2.4      | TCG   |
| 14"     | 355      | 72    | 25         | 2.4      | TCG   |
| 14"     | 355      | 72    | 25         | 2.4      | MTCG  |
| 14"     | 355      | 80    | 25         | 2.4      | TCG   |

DO NOT USE THEM ON DISK GRINDER USE THEM ON LOW RPM SAW



## DRY CUT BLADE FOR STEEL CERMET TEETH



| DIA (") | DIA (MM) | TEETH | ARBOR (MM) | KERF (MM) | GRIND |
|---------|----------|-------|------------|-----------|-------|
| 7"      | 180      | 36    | 20         | 1.8       | MTCG  |
| 7 1/4"  | 184      | 36    | 16         | 1.8       | MTCG  |
| 8"      | 203      | 42    | 16 or 20   | 1.8       | MTCG  |
| 9"      | 230      | 48    | 25         | 1.8       | MTCG  |
| 12"     | 305      | 60    | 25         | 2.2       | MTCG  |
| 14"     | 355      | 80    | 25         | 2.2       | MTCG  |
| 14"     | 355      | 90    | 25         | 2.2       | MTCG  |

# HIGH SPEED STEEL & TUNGSTEN CARBIDE TIP ANNULAR CUTTER

Annular Cutter is also popularly known as Core Drill, Core Cutter, and Broach Cutter.

## TCT ANNULAR CUTTER

### TCT Annular Cutter with Weldon Shank/Universal Shank

Our Tungsten Carbide Annular Cutter, manufactured from the finest quality imported carbide material with a European grade, features a special geometry carbide tip, making it a remarkably hard tool, ideal for cutting through tough materials. This popular choice is widely used on magnetic drilling machines and drill presses for efficient and precise drilling operations.



#### Features:-

- Specially optimized for Magnetic Drilling Machine
- Offers high heat resistance and longer service life.
- Ability to be re-sharpened for prolonged usability.
- Allows for drilling without excessive force.
- Maintains good efficiency until the desired length remains.
- Cuts only the periphery of a hole, leaving a circular slug at the center.
- Delivers a perfect smooth finish for impeccable results.

| SIZE IN MM | SHANK | CUTTING DEPTH | SIZE IN MM | SHANK | CUTTING DEPTH | SIZE IN MM | SHANK | CUTTING DEPTH |
|------------|-------|---------------|------------|-------|---------------|------------|-------|---------------|
| 12         | 19.5  | 40/55         | 58         | 19.5  | 40/55/75/100  | 104        | 31.75 | 55/75/100     |
| 13         | 19.5  | 40/55         | 59         | 19.5  | 40/55/75/100  | 105        | 31.75 | 55/75/100     |
| 14         | 19.5  | 40/55         | 60         | 19.5  | 40/55/75/100  | 106        | 31.75 | 55/75/100     |
| 15         | 19.5  | 40/55         | 61         | 31.75 | 55/75/100     | 107        | 31.75 | 55/75/100     |
| 16         | 19.5  | 40/55         | 62         | 31.75 | 55/75/100     | 108        | 31.75 | 55/75/100     |
| 17         | 19.5  | 40/55         | 63         | 31.75 | 55/75/100     | 109        | 31.75 | 55/75/100     |
| 18         | 19.5  | 40/55/75/100  | 64         | 31.75 | 55/75/100     | 110        | 31.75 | 55/75/100     |
| 19         | 19.5  | 40/55/75/100  | 65         | 31.75 | 55/75/100     | 111        | 31.75 | 55/75/100     |
| 20         | 19.5  | 40/55/75/100  | 66         | 31.75 | 55/75/100     | 112        | 31.75 | 55/75/100     |
| 21         | 19.5  | 40/55/75/100  | 67         | 31.75 | 55/75/100     | 113        | 31.75 | 55/75/100     |
| 22         | 19.5  | 40/55/75/100  | 68         | 31.75 | 55/75/100     | 114        | 31.75 | 55/75/100     |
| 23         | 19.5  | 40/55/75/100  | 69         | 31.75 | 55/75/100     | 115        | 31.75 | 55/75/100     |
| 24         | 19.5  | 40/55/75/100  | 70         | 31.75 | 55/75/100     | 116        | 31.75 | 55/75/100     |
| 25         | 19.5  | 40/55/75/100  | 71         | 31.75 | 55/75/100     | 117        | 31.75 | 55/75/100     |
| 26         | 19.5  | 40/55/75/100  | 72         | 31.75 | 55/75/100     | 118        | 31.75 | 55/75/100     |
| 27         | 19.5  | 40/55/75/100  | 73         | 31.75 | 55/75/100     | 119        | 31.75 | 55/75/100     |
| 28         | 19.5  | 40/55/75/100  | 74         | 31.75 | 55/75/100     | 120        | 31.75 | 55/75/100     |
| 29         | 19.5  | 40/55/75/100  | 75         | 31.75 | 55/75/100     | 121        | 31.75 | 55/75/100     |
| 30         | 19.5  | 40/55/75/100  | 76         | 31.75 | 55/75/100     | 122        | 31.75 | 55/75/100     |
| 31         | 19.5  | 40/55/75/100  | 77         | 31.75 | 55/75/100     | 123        | 31.75 | 55/75/100     |
| 32         | 19.5  | 40/55/75/100  | 78         | 31.75 | 55/75/100     | 124        | 31.75 | 55/75/100     |
| 33         | 19.5  | 40/55/75/100  | 79         | 31.75 | 55/75/100     | 125        | 31.75 | 55/75/100     |
| 34         | 19.5  | 40/55/75/100  | 80         | 31.75 | 55/75/100     | 126        | 31.75 | 55/75/100     |
| 35         | 19.5  | 40/55/75/100  | 81         | 31.75 | 55/75/100     | 127        | 31.75 | 55/75/100     |
| 36         | 19.5  | 40/55/75/100  | 82         | 31.75 | 55/75/100     | 128        | 31.75 | 55/75/100     |
| 37         | 19.5  | 40/55/75/100  | 83         | 31.75 | 55/75/100     | 129        | 31.75 | 55/75/100     |
| 38         | 19.5  | 40/55/75/100  | 84         | 31.75 | 55/75/100     | 130        | 31.75 | 55/75/100     |
| 39         | 19.5  | 40/55/75/100  | 85         | 31.75 | 55/75/100     | 131        | 31.75 | 55/75/100     |
| 40         | 19.5  | 40/55/75/100  | 86         | 31.75 | 55/75/100     | 132        | 31.75 | 55/75/100     |
| 41         | 19.5  | 40/55/75/100  | 87         | 31.75 | 55/75/100     | 133        | 31.75 | 55/75/100     |
| 42         | 19.5  | 40/55/75/100  | 88         | 31.75 | 55/75/100     | 134        | 31.75 | 55/75/100     |
| 43         | 19.5  | 40/55/75/100  | 89         | 31.75 | 55/75/100     | 135        | 31.75 | 55/75/100     |
| 44         | 19.5  | 40/55/75/100  | 90         | 31.75 | 55/75/100     | 136        | 31.75 | 55/75/100     |
| 45         | 19.5  | 40/55/75/100  | 91         | 31.75 | 55/75/100     | 137        | 31.75 | 55/75/100     |
| 46         | 19.5  | 40/55/75/100  | 92         | 31.75 | 55/75/100     | 138        | 31.75 | 55/75/100     |
| 47         | 19.5  | 40/55/75/100  | 93         | 31.75 | 55/75/100     | 139        | 31.75 | 55/75/100     |
| 48         | 19.5  | 40/55/75/100  | 94         | 31.75 | 55/75/100     | 140        | 31.75 | 55/75/100     |
| 49         | 19.5  | 40/55/75/100  | 95         | 31.75 | 55/75/100     | 141        | 31.75 | 55/75/100     |
| 50         | 19.5  | 40/55/75/100  | 96         | 31.75 | 55/75/100     | 142        | 31.75 | 55/75/100     |
| 51         | 19.5  | 40/55/75/100  | 97         | 31.75 | 55/75/100     | 143        | 31.75 | 55/75/100     |
| 52         | 19.5  | 40/55/75/100  | 98         | 31.75 | 55/75/100     | 144        | 31.75 | 55/75/100     |
| 53         | 19.5  | 40/55/75/100  | 99         | 31.75 | 55/75/100     | 145        | 31.75 | 55/75/100     |
| 54         | 19.5  | 40/55/75/100  | 100        | 31.75 | 55/75/100     | 146        | 31.75 | 55/75/100     |
| 55         | 19.5  | 40/55/75/100  | 101        | 31.75 | 55/75/100     | 147        | 31.75 | 55/75/100     |
| 56         | 19.5  | 40/55/75/100  | 102        | 31.75 | 55/75/100     | 148        | 31.75 | 55/75/100     |
| 57         | 19.5  | 40/55/75/100  | 103        | 31.75 | 55/75/100     | 149        | 31.75 | 55/75/100     |
|            |       |               |            |       |               | 150        | 31.75 | 55/75/100     |

Pilot Pin for Cutting Depth 40mm & 55mm  
 6.34 mm x 77 mm / 6.34 mm x 90 mm  
 7.98 mm x 90 mm / 7.98 mm x 106 mm

# HSS ANNULAR CUTTER

HSS Annular Cutters are crafted from premium imported high-speed steel M2 grade material, making them the most popular core drills in the market.



## Features:-

- Ability to be re-sharpened for extended usability.
- Ensures good efficiency until the desired length remains.
- Boasts a long service life for reliable performance.
- Provides higher heat resistance for durability.
- Enables drilling without excessive force, ensuring smooth and efficient operations

| SIZE IN MM | SHANK | CUTTING DEPTH | SIZE IN MM | SHANK | CUTTING DEPTH |
|------------|-------|---------------|------------|-------|---------------|
| 12         | 19.5  | 40/55         | 37         | 19.5  | 25/50/75/100  |
| 13         | 19.5  | 40/55         | 38         | 19.5  | 25/50/75/100  |
| 14         | 19.5  | 40/55         | 39         | 19.5  | 25/50/75/100  |
| 15         | 19.5  | 40/55         | 40         | 19.5  | 25/50/75/100  |
| 16         | 19.5  | 40/55         | 41         | 19.5  | 25/50/75/100  |
| 17         | 19.5  | 40/55         | 42         | 19.5  | 25/50/75/100  |
| 18         | 19.5  | 40/55/75/100  | 43         | 19.5  | 25/50/75/100  |
| 19         | 19.5  | 40/55/75/100  | 44         | 19.5  | 25/50/75/100  |
| 20         | 19.5  | 40/55/75/100  | 45         | 19.5  | 25/50/75/100  |
| 21         | 19.5  | 40/55/75/100  | 46         | 19.5  | 25/50/75/100  |
| 22         | 19.5  | 40/55/75/100  | 47         | 19.5  | 25/50/75/100  |
| 23         | 19.5  | 40/55/75/100  | 48         | 19.5  | 25/50/75/100  |
| 24         | 19.5  | 40/55/75/100  | 49         | 19.5  | 25/50/75/100  |
| 25         | 19.5  | 40/55/75/100  | 50         | 19.5  | 25/50/75/100  |
| 26         | 19.5  | 40/55/75/100  | 51         | 19.5  | 25/50/75/100  |
| 27         | 19.5  | 40/55/75/100  | 52         | 19.5  | 25/50/75/100  |
| 28         | 19.5  | 40/55/75/100  | 53         | 19.5  | 25/50/75/100  |
| 29         | 19.5  | 40/55/75/100  | 54         | 19.5  | 25/50/75/100  |
| 30         | 19.5  | 40/55/75/100  | 55         | 19.5  | 25/50/75/100  |
| 31         | 19.5  | 40/55/75/100  | 56         | 19.5  | 25/50/70/100  |
| 32         | 19.5  | 40/55/75/100  | 57         | 19.5  | 25/50/75/100  |
| 33         | 19.5  | 40/55/75/100  | 58         | 19.5  | 25/50/75/100  |
| 34         | 19.5  | 40/55/75/100  | 59         | 19.5  | 25/50/75/100  |
| 35         | 19.5  | 40/55/75/100  | 60         | 19.5  | 25/50/75/100  |
| 36         | 19.5  | 40/55/75/100  |            |       |               |

Pilot Pin for  
Cutting Depth 40mm & 55mm

4.74 mm x 77 mm  
for Dia 12 mm to 16 mm  
Cutting Depth= 25 mm

4.74 mm x 106 mm  
for Dia 12 mm to 16 mm  
Cutting Depth= 50 mm

6.34 mm x 77 mm  
for Dia 17 mm to 60 mm  
Cutting Depth= 25 mm

6.34 mm x 106 mm  
for Dia 17 mm to 60 mm  
Cutting Depth= 50 mm

7.98 mm x 106 mm  
7.98 mm x 155 mm

# OUR PACKAGING

| HSS Flexible Bimetal Hand Hacksaw Blade  | HSS Hand Hacksaw Blade  | HSS Power Blade   | Bimetal HSS Power Blade  | HSS Flexible bimetal Hand Hacksaw Blade   |
|--|---|---|--|---|
|  |  |  |  |  |

| Arbor  | Bimetal Bandsaw M51   | Bimetal Bandsaw M42   | Bimetal Bandsaw  | Toolbit   |
|--|---|---|--|---|
|  |  |  |  |  |

| Tension Meter  | Tension Meter   | Holesaw   | Holesaw Kit  | Files   |
|--|---|---|--|---|
|  |  |  |  |  |

| Hacksaw Frame  | Pistol Grip Junior Saw Frame  | Rectangular Frame   | MCB Coil   | MCB   |
|--|---|---|--|---|
|  |  |  |  |  |

| Flap Disc   | Marble Cutter   | TCT Cutter   |
|---|---|--|
|  |  |  |



### **REGISTERED OFFICE**

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