# 6 Pcs HSS Mini Circular Saw Blades Set – Precision Cutting Accessories for Rotary Tools & DIY Projects

The 6 Pcs HSS Mini Circular Saw Blades Set is a versatile, high-precision cutting tool kit designed for hobbyists, professionals, and DIY enthusiasts. Made from premium High-Speed Steel (HSS), these mini blades are ideal for cutting wood, plastic, aluminum, PVC, and other non-ferrous materials with accuracy and efficiency.

Compatible with **rotary tools like Dremel, drills, and mini grinders**, this blade set is a must-have addition to any toolbox for small-scale cutting, modeling, or repair projects. Each blade is carefully engineered to deliver clean, smooth cuts with minimal vibration and long-lasting sharpness.

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6 Pcs Accessories HSS Mini

Circular Saw Blades[/caption]

**(iii)** Key Features and Specifications

#### • Premium High-Speed Steel Construction:

Made from high-quality **HSS material**, these blades provide excellent hardness, heat resistance, and wear durability for longer life and consistent performance.

## • Complete 6-Piece Set:

The set includes 6 circular saw blades in different diameters, along with a 1/8" (3.2mm) shank mandrel, allowing for easy mounting on rotary tools and drills.

#### • Sizes Included:

- o **Ø22mm**
- o **Ø25mm**
- o Ø32mm
- o **Ø35mm**
- o **Ø44mm**
- o Ø50mm
- Blade Thickness: Approximately 0.8mm perfect for precision cutting.
- Maximum RPM: Up to 20,000 RPM, depending on the tool and material being cut.
- **Mandrel Compatibility:** Standard 3.2mm shaft, suitable for most rotary tools (Dremel, Proxxon, etc.).

#### Smooth and Accurate Cutting:

The sharp teeth ensure fast and smooth cutting with minimal burrs, reducing the need for post-cut finishing.

#### • Corrosion and Rust Resistant:

The HSS steel surface offers high resistance to rust and oxidation, extending tool lifespan even under frequent use.

#### Compact & Easy to Store:

Lightweight, portable design allows easy storage and quick blade changes during work.

## **Applications**

The 6 Pcs HSS Mini Circular Saw Blades Set is widely used across multiple fields, including electronics, woodworking, and metalworking. Perfect for:

- DIY & Hobby Projects: Model making, jewelry crafting, and creative prototypes.
- Electronics & PCB Work: Cutting enclosures, plastic boards, and small mechanical parts.
- Wood & Plastic Cutting: Ideal for thin wood sheets, plywood, PVC pipes, and acrylic materials.
- Metal Cutting: Suitable for soft metals like aluminum, copper, and brass.
- Repair & Maintenance Tasks: Perfect for precision trimming and modification work.

## How to Use

- 1. Insert the mandrel into your rotary tool or drill.
- 2. Attach the desired saw blade to the mandrel using the provided screw.
- 3. Tighten securely to avoid any wobble during operation.
- 4. Use safety gear (goggles, gloves) before starting.
- 5. Operate at a moderate speed to maintain control and accuracy.

# Performance and Durability

The **HSS blade edges** are precision-ground to maintain cutting efficiency and reduce tool wear. The thin design ensures smooth, fine cuts without excessive material loss. Even under continuous use, the blades retain their sharpness due to **excellent heat resistance** and **high-speed stability**.

Unlike cheaper alternatives, these blades are designed for **low vibration**, ensuring safer and more controlled operation—especially important for detailed or delicate work.

# Package Includes

6 × HSS Circular Saw Blades (22mm, 25mm, 32mm, 35mm, 44mm, 50mm)

# Why Choose This Set

Whether you're a **maker, technician, or DIY enthusiast**, this set gives you the precision and flexibility to handle a wide range of materials. The varying blade sizes let you switch easily

between fine cuts and larger sections, making it an all-in-one solution for small workshop projects.

It's compact, reliable, and provides **professional-quality cuts** without the bulk of full-sized saws. Combined with its universal compatibility, the 6 Pcs HSS Mini Circular Saw Blades Set offers outstanding value and convenience.



# Technical Specifications Summary

**Parameter Details** 

Material High-Speed Steel (HSS)

No. of Blades

**Blade Diameters** 22 / 25 / 32 / 35 / 44 / 50 mm

**Thickness** Approx. 0.8 mm

Mandrel Shank 3.2 mm

Max Speed 20,000 RPM

Wood, Plastic, PVC, Aluminum, Copper Application

**Mount Type Rotary Tools & Mini Drills** 



## Tips for Best Results

- Always wear safety goggles and gloves during operation.
- Use low-to-medium speeds for plastics to avoid melting.
- Let the blade do the cutting don't apply excessive pressure.
- Store blades in a dry area to avoid corrosion.