



**4.5", 115MM**

**SHOP 4.5" 115MM CUTTING DISCS IN 1MM THICKNESS**

Our 4.5" 115mm cutting discs are excellent for cutting stainless steel, mild / black steel and all metal. Also good for aluminium fabricators. This is a commercial grade product that is of superior quality - INOX quality which is of the highest level. View our product selections below and shop online today.



## 4.5", 115MM - METAL CUTTING DISCS

### BOX SIZE PRICE PER DISC

Box 25	\$1.00
Box 50	\$0.68
Box 100	\$0.59
Box 200	\$0.55

- 115mm x 1mm x 22.23mm
- Excellent for all steel, including stainless
- Australian Certified by SAI Global
- Inox quality for superior cutting
- FAQs
- Expand AIC Collapse All Cutting Discs

#### What does INOX mean?

INOX is a French abbreviation meaning stainless steel. Inox cutting wheels are iron (Fe) free which means they can be used on stainless steel as well as most other metals including mild steel, brass, aluminium etc. All Smith & ARROW cutting wheels are INOX grade.

#### What are recommended maximum speeds (rpm and m/s) for Cutting Discs?

Size of Disc	Maximum RPMs
2", 50mm	30,650rpm
2.5", 60mm	30,650rpm
3", 75mm	20,150rpm
4", 100mm	15,200rpm
4.5", 115mm	13,600rpm
5", 125mm	12,250rpm
7", 180mm	8,500rpm
9", 230mm	6,500rpm
14", 350mm	4,400rpm

#### What material can I use a Cutting Disc on?

Smith & ARROW Cutting Wheels are designed for use on most metals including stainless steel, mild steel, aluminium, brass etc.

#### What quality certifications do Smith & ARROW Cutting Discs have?

1. AUSTRALIAN STANDARD AS1788.11997 by SAI Global – "5 Tick" Certified Product
2. INTERNATIONAL QUALITY ASSURANCE: ISO9001
3. EUROPEAN SAFETY STANDARDS FOR BONDED ABRASIVES: EN12413

#### Do Smith & ARROW Cutting Discs have a shelf life?

All cutting wheels have a "best by" date. These best by dates are printed on the wheel to comply with the manufacturing regulation, EN12413:2007 A1. This date is generally printed on the centre ring and is usually set at a maximum three years from the manufacture of the disc. The reason that all bonded abrasives have an expiry date is because they are manufactured using an organic / natural resin. This resin can be impacted upon over time by natural and environmental conditions. Smith & ARROW rotate all of our bonded abrasive stock through a first-in first-out (FIFO) stock management system to ensure we are always selling the very best quality product we can to our customers.

#### How should I store Cutting Wheels?

Smith & ARROW Cutting Discs should be stored on a level shelf in an area that is cool and dry to minimise the impact of environmental conditions, and to maximum the life of the wheels. Bonded abrasives should never be hung on pegs because they are made with a natural organic resin and over time their shape may change through the forces of gravity, causing them to be out of balance and subsequently dangerous to use.

#### Can angle grinders be used without a guard?

An angle grinder must never be used without its safety guard under any circumstances. The guard is there to protect the user from fragments should a cutting or grinding wheel shatter or explode. There are many reasons why a cutting or grinding wheel, even if it is the correct size for that sized angle grinder may fail during use, and as such making sure the guard is never removed is critical to user safety. Accidents through the misuse of angle grinders injure and kill more people than any other power tool in Australia, and ensuring safety guards are kept in place while the tool is in use goes a long way towards preventing injury or death to Australian workers.

#### Which side of the wheel or disc should face towards the machine? Is there a rotating direction?

For bonded wheels and discs, it is recommended to clamp type 41 cutting discs (type 41 is a normal flat cutting disc), always with the metal centre ring facing the machine flange. This ensures a flat contact surface and helps avoiding clamping failures. If there is no metal centre ring, then the side with the branding should face towards the machine flange.

#### Can I use Smith & ARROW metal cutting discs on stone or concrete?

No, Smith & ARROW Cutting Discs are for cutting metal. If you need to cut concrete, stone or ceramics you need to purchase diamond cutting discs (super abrasives).

#### Can I use the side of a cutting disc to grind away small burrs. Is it safe?

By using the side of a cutting disc as a grinder, you are grinding away at fiberglass matting in the side of the wheel where the reinforcing is, which is not a safe thing to do as it could cause a catastrophic wheel failure. Smith & ARROW do offer grinding wheels and also a "3 in 1" cutting, grinding, blending wheel that you can use for both cutting and grinding. Find this multi-disc [here](#).

#### How do Smith & ARROW Cutting Discs compare to other brands of cutting discs?

Smith & ARROW do not offer comparisons of our products against other brands, however our user reviews on both our website and ebay reinforce the quality and reliability of our product not only in Australia, but around the world. Our absolute commitment to quality is backed up by Smith & ARROW being granted the use of the 5 TICK Quality Product Mark based on independent certification conducted by SAI Global against the Australian Standard for bonded abrasives AS 1788.1-1987 on all of our cutting and grinding wheels 100mm and larger.

#### Do you have a video of the Smith & ARROW Cutting Disc?

Yes, see our image gallery, or visit this [link](#).

#### Why is the maximum speeds (rpm or m/s) for cutting wheels so important?

Different sizes tools eg. angle grinders, run at different speeds. For example, a 125mm 5" angle grinder runs at almost twice the speed of a 230mm 9" angle grinder. All bonded abrasive wheels such as cutting and grinding wheels will explode through centrifugal force if they are run at a speed higher than what they are rated at. Accidents through the misuse of angle grinders injure and kill more people than any other power tool in Australia.

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#### Box Size

Box 25, Box 50, Box 100, Box 200

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SKU: CD115

Price: From: \$24.95