

**3M** Science.  
Applied to Life.™



**NEW! 3M™ Silver Depressed Centre Grinding Wheels**

# Quality without compromise.

Premium performance and long life - made possible by 3M Precision Shaped Ceramic Grain technology.





New! 3M™ Silver Depressed Centre Grinding Wheels

# An unbeatable combination of performance and value



3M™ Silver Depressed Centre Grinding Wheels are the ideal choice to help you reduce your abrasive spend by delivering long life and high performance.



Lasts longer



Cuts faster



Cuts cooler

3M™ Silver abrasive wheels featuring 3M's Precision-Shaped Ceramic Grain, cut faster and last longer than competitive aluminum oxide and alumina zirconia wheels.

They have been designed for everyday high performance, helping you to reduce your abrasive spend without compromising on performance.

#### Ideal for industries such as:

- ▶ Stainless steel fabrication
- ▶ Structural steel
- ▶ Oil and gas infrastructure
- ▶ General metal fabrication
- ▶ Tank and vessel
- ▶ Shipbuilding
- ▶ Rail
- ▶ Agricultural, industrial and construction machinery

#### An ideal choice for applications including:

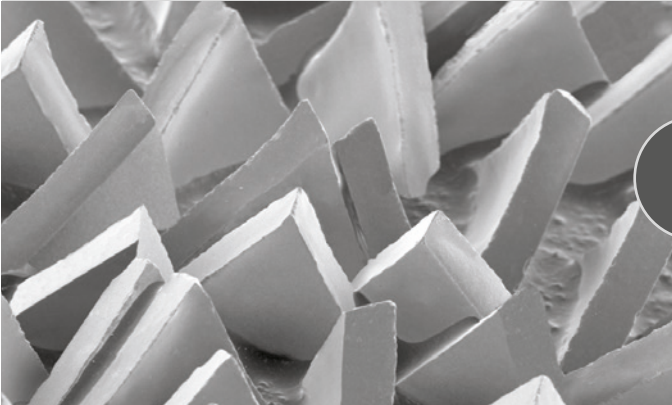
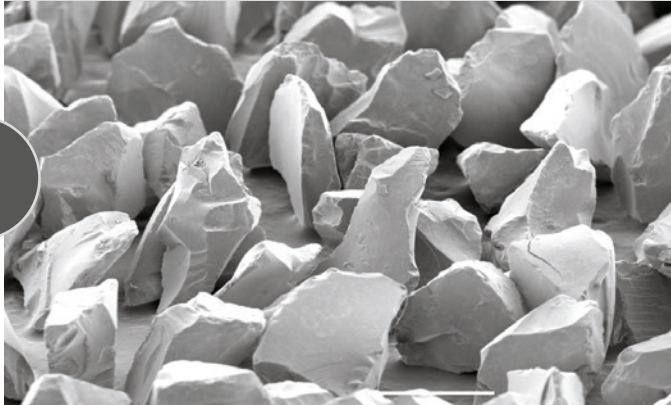
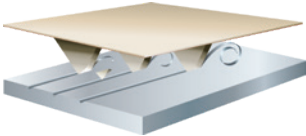

- ▶ Weld removal
- ▶ Beveling
- ▶ Edge chamfering
- ▶ Gate and flash removal
- ▶ Gouging
- ▶ Deburring

#### Optimised for use on:

- ▶ Carbon steel
- ▶ Stainless steel

## 3M's Precision Shaped Ceramic Grain technology.

It acts like a cutting tool, slicing through metal like a knife. The material is continuously self-sharpening, as points break off during use to expose new sharp edges – slicing cleaner and faster, staying cooler and lasting many times longer than conventional grain types.

Precision Shaped Ceramic Grain slices cleaner and faster.	Conventional ceramic grain is irregular and “ploughs” through the metal.
	
<b>VS</b>	
 <ul style="list-style-type: none"> <li>✓ Cooler operation</li> <li>✓ Clean cut</li> <li>✓ Lasts much longer</li> </ul>	 <ul style="list-style-type: none"> <li>✗ Heat build-up</li> <li>✗ Slower cutting</li> <li>✗ Shorter life</li> </ul>

## 3M Depressed Centre Grinding Wheel product performance comparisons

Attributes	Aluminium oxide	Alumina zirconia	3M™ Silver	3M™ Cubitron™ II
Durability/life	★★	★★★	★★★★★	★★★★★
Speed of cut	★	★★	★★★	★★★★★
Feel: smooth	★★	★★★	★★★★	★★★★★
Contaminate free* (for stainless/inox)	Varies	Varies	Yes	Yes
Mineral	Aluminium oxide	Alumina zirconia	Blend of Precision Shaped Ceramic Grain	Precision Shaped Ceramic Grain
Abrasive cost per job	£££	££	£	££
Total cost of the job (abrasive, labour, processes)	££££	£££	££	£

\* Contains less than 0.1% Fe, S and Cl

Choose: **3M™ Silver** wheels for a longer life, helping to lower your abrasive spend.



Choose: **3M™ Cubitron™ II** for a longer life and faster cut, helping to increase your productivity and lower your overall grinding costs.



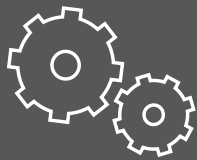


## 3M™ Silver Depressed Centre Grinding Wheel

Part no	Diameter × thickness × arbor hole	Max. RPM	Quantity (inner/case)
51746	100 mm × 7 mm × 16 mm	15,300	10/20
51747	115 mm × 7 mm × 22.23 mm	13,300	10/20
51748	125 mm × 7 mm × 22.23 mm	12,250	10/20
51749	150 mm × 7 mm × 22.23 mm	10,200	10/20
51750	180 mm × 7 mm × 22.23 mm	8,500	10/20
51751	230 mm × 7 mm × 22.23 mm	6,650	10/20

**Got a need for speed?**

For even faster cut rate, try 3M™ Cubitron II™ abrasives.



### Tech tips

#### Powering up for performance

- ▶ Depressed Centre Grinding Wheels perform better the faster they run, so having a tool able to maintain speed is crucial.
- ▶ The higher the tool power, the easier it can maintain speed, resulting in faster cut time and longer wheel life.
- ▶ When the tool speed decreases, wheel wear typically increases.
- ▶ Do NOT exceed the maximum operating speed listed on the wheel!

### Stay safe on the job with 3M™ PPE

#### 3M™ Headgear G500

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection.



#### 3M™ PELTOR™ X4 Ear Defender Helmet Mounted

The 3M PELTOR X4 Ear Defenders are designed to offer protection against high noise levels, whilst maintaining a sleek, low profile, aesthetically pleasing design.



#### 3M™ GoggleGear™ 500 Series

The 3M™ Goggle Gear, 500-Series is a low-profile design with an adjustable strap and indirect ventilation. These splash goggles with 3M™ Scotchgard™ Anti-Fog Coating help keep lenses clear in, steamy and wet environments.



#### 3M™ Aura™ 9332+ Valved Respirator

A 3 panel flat fold design allows workers to move and speak more freely and provides an effective filtration of hazardous particles.



#### 3M™ E-A-R™ Ultrafit™ Earplugs

Flexible tri-flange design conforms to most ear canals. Soft and durable material improves comfort and wear ability. No need to handle the plug tip making them more hygienically acceptable.



*\*Please read and follow all 3M instruction for proper use.*



**For more information please contact your local  
3M Representative or 3M Distributor  
Visit [3M.co.uk/silverabrasives](http://3M.co.uk/silverabrasives)**

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