



Science.
Applied to Life.™



NEW! 3M™ Silver Cut-off Wheels

Cut to the chase.

Get the long-life and fast cutting action of 3M Precision Shaped Ceramic Grain – now in a cut-off wheel designed to give you great performance and value.



NEW! 3M™ Silver Cut-off Wheels

A cut above the rest



3M™ Silver Cut-off Wheels are designed for long life and be affordable for everyday use.



Lasts longer



Cuts faster



Cuts cooler

Featuring 3M Precision Shaped Ceramic Grain technology, 3M™ Silver Wheels cut faster, cleaner, lasting longer than competitive aluminium oxide and alumina zirconia wheels.

This means fewer wheel changes and more finished parts per wheel.

Optimised for use on carbon steel and stainless steel.



Make short work of cutting pipes, tubes, flat sheets and more.



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

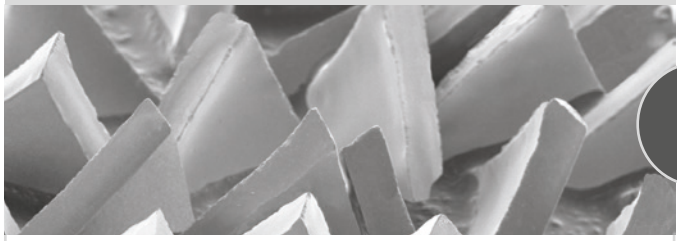
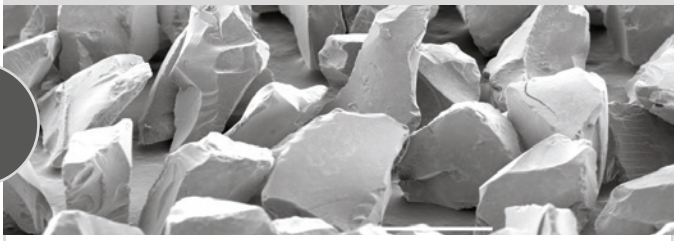
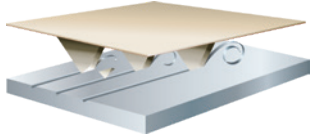

Tech tips – size matters



- ▶ The thicker the wheel, the longer the life and slower the cut rate.
- ▶ When cutting thicker material, use a thicker and larger diameter wheel to maximise wheel life.
- ▶ Thinner wheels cut faster and wear faster. They also work better on thin gauge materials.

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.


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

3M™ Cut-off Wheel product performance comparisons


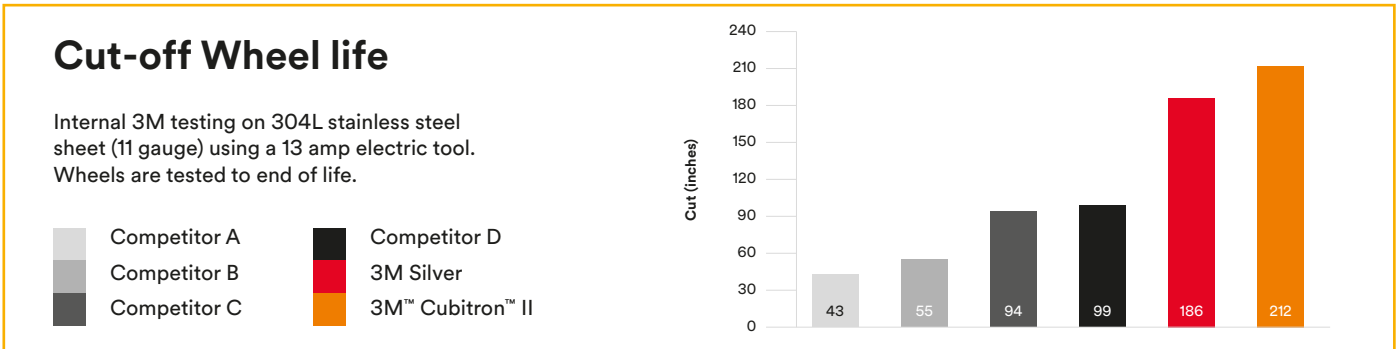
| Attributes | Aluminium oxide | Alumina zirconia | 3M™ Silver | 3M™ Cubitron™ II |
|---|-----------------|------------------|---|--------------------------------|
| Durability/life | ** | *** | ***** | ***** |
| Speed of cut | * | ** | *** | ***** |
| Feel: smooth | ** | *** | **** | ***** |
| Contaminate 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 Cut-off Wheel T41

| Part no | Diameter × thickness × arbor hole | Max. RPM | Quantity (inner/case) |
|---------|-----------------------------------|----------|-----------------------|
| 51765 | 75 mm × 0.9 mm × 6 mm | 20,000 | 25/50 |
| 51767 | 75 mm × 0.9 mm × 10 mm | 20,000 | 25/50 |
| 51769 | 75 mm × 1.6 mm × 10 mm | 20,000 | 25/50 |
| 51771 | 100 mm × 0.9 mm × 6 mm | 15,300 | 25/50 |
| 51774 | 100 mm × 1 mm × 10 mm | 15,300 | 25/50 |
| 51775 | 100 mm × 1 mm × 16 mm | 15,300 | 25/50 |
| 51776 | 100 mm × 1.3 mm × 16 mm | 15,300 | 25/50 |
| 51777 | 105 mm × 1 mm × 10 mm | 14,500 | 25/50 |
| 51778 | 105 mm × 1 mm × 16 mm | 14,500 | 25/50 |
| 51783 | 105 mm × 2 mm × 16 mm | 14,500 | 25/50 |
| 51785 | 115 mm × 1 mm × 22.23 mm | 13,300 | 25/50 |
| 51787 | 115 mm × 1.6 mm × 22.23 mm | 13,300 | 25/50 |
| 51790 | 125 mm × 1 mm × 22.23 mm | 12,250 | 25/50 |
| 51792 | 125 mm × 1.6 mm × 22.23 mm | 12,250 | 25/50 |
| 51795 | 125 mm × 2 mm × 22.23 mm | 12,250 | 25/50 |
| 51814 | 150 mm × 1.6 mm × 22.23 mm | 10,200 | 25/50 |
| 51796 | 180 mm × 1.6 mm × 22.23 mm | 8,500 | 25/50 |
| 51797 | 180 mm × 2 mm × 22.23 mm | 8,500 | 25/50 |
| 51803 | 180 mm × 3 mm × 22.23 mm | 8,500 | 25/50 |
| 51804 | 230 mm × 2 mm × 22.23 mm | 6,650 | 25/50 |
| 51806 | 230 mm × 3 mm × 22.23 mm | 6,650 | 25/50 |

3M™ Silver Cut-off Wheel T42

| Part no | Diameter × thickness × arbor hole | Max. RPM | Quantity (inner/case) |
|---------|-----------------------------------|----------|-----------------------|
| 51800 | 115 mm × 2.5 mm × 22.23 mm | 13,300 | 25/50 |
| 51801 | 125 mm × 2.5 mm × 22.23 mm | 12,250 | 25/50 |
| 51802 | 180 mm × 2.5 mm × 22.23 mm | 8,500 | 25/50 |
| 51805 | 230 mm × 2.5 mm × 22.23 mm | 6,650 | 25/50 |

Got a need for speed?



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



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 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

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