

# 3M™ Silver Depressed Centre Grinding Wheels



## An unbeatable combination of performance and value.

3M Silver Depressed Centre Grinding Wheels (DCGW) represent a new class of right angle abrasives – powered by the legendary speed and long life of 3M Precision-Shaped Grain, designed for everyday high performance. Offering a faster cut and longer life than aluminium oxide and alumina zirconia wheels.

### Ideal for industries such as:

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

The “*silver bullet*” for a wide range of tough metalworking jobs, including:

Weld removal

Beveling

Edge chamfering

Gate & flash removal

Deburring

## Bonded wheel product comparisons.

Speed and durability rated on a scale of 1 to 5, with 5 stars being the best.



Attributes	Aluminium Oxide	Alumina Zirconia	3M Silver
Durability/life	●●	●●●●	●●●●●
Speed of cut	●	●●	●●●
Contaminant-free* (for stainless/inox)	varies	varies	yes
Mineral	aluminium oxide	alumina zirconia	ceramic blend precision-shaped grain
Total abrasive spend per job	\$\$\$	\$\$	\$

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

## Success stories.

**95%**  
less wear.

**28%**  
faster cut.

### Fabricated metals

For weld grinding on mild steel, one customer reports that 3M Silver Depressed Centre Grinding Wheels delivered 95% less wear and a 28% faster cut than their current aluminium oxide wheel.

**2x**  
longer.

### Steel manufacturing

When removing laser slag from Hardox 960 stainless steel, 3M Silver Depressed Centre Grinding Wheels lasted twice as long and required less operator pressure than conventional aluminium oxide wheel.



### Conventional ceramic abrasive grain

Conventional ceramic abrasive grain tends to "plow" through the metal, causing heat to build up in the workpiece and the abrasive — resulting in a slower cut and shorter wheel life.



### 3M Precision-shaped Grain

3M precision-shaped grain uses 3M microreplication technology to form sharp peaks that easily "slice" through metal — cutting cooler, faster and lasting longer than conventional abrasive grain.

### 3M™ Silver Depressed Centre Grinding Wheel — T27

Size mm (D × T × CH)	3M Order Code	Max RPM	Carton QTY (inner/outer)
100 × 7 × 16	UU009014893	15,300	10/20
115 × 7 × 22.23	UU009014901	13,300	10/20
125 × 7 × 22.23	UU009017318	12,250	10/20
180 × 7 × 22.23	UU009017334	8,500	10/20
230 × 7 × 22.23	UU009017342	6,650	10/20

## Tech tips:

### Powering up performance

- Depressed Center 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!

**3M**

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