

Straight Stone Grinders (04600, 04650, 04700, 04750)

Welding & Maintenance Equipment

Adding Value

This range of lightweight, powerful hand grinders – available in clockwise and counter-clockwise rotation – offers the ideal solution for precise, controlled grinding on rail.



Pandrol Straight Stone Grinders are powerful, safe grinding tools that can be used in a wide range of applications on rail, including field welds, frogs and switch points.

Four models are available – clockwise rotation (04600), clockwise rotation with trigger (04650), counter-clockwise rotation (04700), and counter-clockwise rotation with trigger (04750). The models without a trigger have an on-off valve. All come in a high-strength aluminium housing with rigid handles, enhancing operator safety.

→ TECHNICAL FEATURES

Powerful flow

All of the Straight Stone Grinders operate at 10 gpm (38 lpm), providing the power for strategic grinding in all parts of the rail.

Clockwise or counter-clockwise rotation

The grinders are available with either clockwise rotation (models 04600 and 04650) or counter-clockwise rotation (models 04700 and 04750).

On/off valve or safety trigger

The grinders are available with either an on/off valve (models 04600 and 04650) or an engineered safety trigger (models 04700 and 04750).

Ergonomic handle design

The Straight Stone Grinders have strong, rigid handles that are isolated from hydraulic hoses to protect operators' hands from the heat of the hydraulic flow.

Rub pads

Rub pads are fitted to either side of the stone guard, decreasing wear when grinding the ball of rail.

Sealed bearings

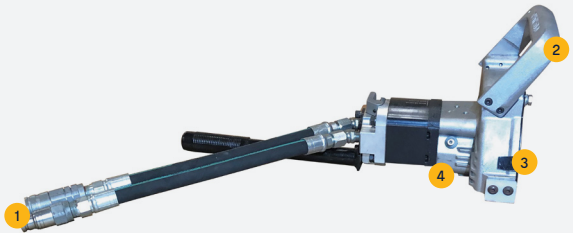
The tools' sealed bearings are robust and protected from dirt.

Lightweight and compact

The Straight Stone Grinders are compact, lightweight hand tools, weighing just 15 lb (6.78 kg).

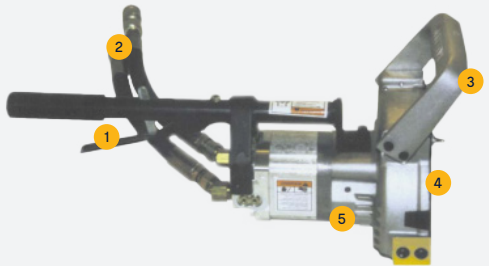
→ ADVANTAGES

- The range of Straight Stone Grinders available – clockwise or counter-clockwise, with an on/off valve or safety trigger – offers different solutions to ensure optimum efficiency, operator comfort and safety.
- The grinders are powerful for their size, enabling efficient, precise grinding on rail.
- One tool can be used for a range of applications, including field welds, frogs and switch points. This reduces the number of tools that operators have to carry.
- The grinders are extremely robust, with a strong aluminium housing and rub pads that extend their life and reduce cost.
- Sealed bearings reduce the need for maintenance.
- The Straight Stone Grinders have a range of ergonomic features – including rigid handles, heat isolation from hand holds, light weight and compact size – that make them an excellent choice for operator comfort and safety.



→ COMPONENTS FOR THE 04600 AND 04700

1. Flexible hydraulic connections separated from operator handle
2. Front handle with adjustable angle position
3. Full shield and easy access for safe grinding stone use and changes
4. Positive driveshaft locking mechanism for grinding stone changes



→ COMPONENTS FOR THE 04650 AND 04750

1. Integrated safety on/ off switch
2. Flexible hydraulic connections separated from operator handle
3. Front handle with adjustable angle position
4. Full shield and easy access for safe grinding stone use and changes
5. Positive driveshaft locking mechanism for grinding stone

→ SPECIFICATIONS

Technical data				
	Clockwise Rotation Straight Stone Grinder	Clockwise Rotation Straight Stone Grinder with Trigger	Counter-clockwise Rotation Straight Stone Grinder	Counter-clockwise Rotation Straight Stone Grinder with Trigger
Item number	04600	04650	04700	04750
Flow	10 gpm (38 lpm)	10 gpm (38 lpm)	10 gpm (38 lpm)	10 gpm (38 lpm)
Pressure	2000 psi (140 bar)	2000 psi (140 bar)	2000 psi (140 bar)	2000 psi (140 bar)
RPM	4000	4000	4000	4000
Rotation	Clockwise	Clockwise	Counter-clockwise	Counter-clockwise
Dimensions	21" (53.3 cm) x 8" (20.3 cm) x 7 1/2" (19.0 cm)	21" (53.3 cm) x 8" (20.3 cm) x 7 1/2" (19.0 cm)	21" (53.3 cm) x 8" (20.3 cm) x 7 1/2" (19.0 cm)	21" (53.3 cm) x 8" (20.3 cm) x 7 1/2" (19.0 cm)
Weight	15 lb (6.78 kg)	15 lb (6.78 kg)	15 lb (6.78 kg)	15 lb (6.78 kg)

Accessories	
00499	8" x 1" x 5/8" Grinding Stone
046009	1" Stone Adaptor
046015	Slotting Guide Kit

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