

Precision Frog Grinder (09200A)

Welding & Maintenance Equipment

Adding Value

With four-axis precision and the ability to use both straight and cup stones, this tool ensures quality grinding in the field.



Pandrol's Precision Frog Grinder (09200A) is a hydraulic-powered, track-mounted machine that brings detailed, four-axis grinding to the field.

The grinder has a precision guide frame with multiple axis adjustment, enabling the operator to make consistent refinishing grinds. In addition, the tool can be used to blend SSC defects on the rail.

→ TECHNICAL FEATURES

Precise engineered movement

The Precision Frog Grinder has been designed to allow for accurate, repeatable movement in any of the four axes.

Adjustable stone

The height and position of the stone can be adjusted within the base frame. In addition, the angle of the stone can be regulated for precise elevations and reprofiling.

Articulating base frame

The base frame can be fully adjusted and locked to the angle of any frog, using an easy reference line and precision adjustment.

Vibration and dust isolation

All vibration and grinding dust created while working on frogs is isolated from the operator.

Multiple grinding stones

The Precision Frog Grinder can be used with a straight stone for flange ways and rail sides, and a cup stone for precise grinding of the tops and sides of rails.

Compact size

The grinder and its base are compact in size, easing transportation and storage.

→ ADVANTAGES

- With accurate four-axis grinding, Pandrol's Precision Frog Grinder ensures precise, repeatable results, no matter the operator's skills and experience.
- The grinder's simple, two-part design allows for quick set-up and clearing, saving on track time.
- The flexibility to change from a straight stone to a cup stone allows the operator to use one tool for grinding a complete maintenance program, including grinding out frog defects, blending out SSC and reprofiling frogs.
- The grinder's versatility is enhanced by the availability of 8' base rails for blending out surface defects over greater distances than the standard 4' base rails allow.
- Vibration and dust isolation contribute to safe working conditions and practices.
- The Precision Frog Grinder is compact in size, making it easy to transport and store.



→ COMPONENTS

1. Ergonomic handles and grinding stone height adjustment
2. Grinding assembly quickly removes and installs onto rail frame
3. Frame is separate unit, fully adjustable and able to clamp securely into position while permitting quick set up
4. Horizontal grinding adjustment
5. Equipped with guards and ability to use both straight stones as well as cup stone abrasives
6. Grinder rolls smoothly through grinding operation on frame tracks
7. Full adjustability and clamping to secure to rail at the proper angle of turnout

→ SPECIFICATIONS

Technical data	
Description	Precision Frog Grinder
Item number	09200A
Flow	10 gpm (38 lpm)
Pressure	2000 psi (140 bar)
RPM	4000
Dimensions	Grinder: Length 17" (43.2 cm), width 35" (88.9 cm), height 32" (81.2 cm) Base: Length 57.5" (146 cm), width 40" (101.6 cm), height 8" (20.3 cm)
Weight	Grinder: 84 lb (38 kg) Base: 38 lb (17.25 kg) Overall: 122 lb (55.5 kg)

Accessories	
00499	8" x 1" x 5/8" Grinding Stone
09299	4" x 3" x 5/8-11" Cup Stone
09288	8' Base Frame Rail Kit Set
09295	2' Rail Kit

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