

# Gamma Grinder

Track equipment



The Gamma Grinder has been designed to fully grind the rail head after welding. Like all of Pandrol's grinding machines, it combines power and reliability with ease of use.

The Gamma Grinder is powered by a diesel engine that is effective whether grinding the top or side of the rail. It uses standard grinding stones and works effectively on all common rail types thanks to adjustable flanges. Ergonomically built, the Gamma Grinder combines speed and efficiency with ease of use.

## → TECHNICAL FEATURES

### Components

The Gamma Grinder is made up of a kickstand, diesel engine, engine protection, height adjustment wheel and angle adjustment lever.

### Diesel engine

The Yanmar diesel engine delivers 3.5 kw of power at 3,600 rpm.

### Adjustability for precision

You can set the angle of the Gamma Grinder to anything from 0 to 90° without any restriction. A tilt lock ensures precision and stability. The height of the grinding stone can also be adjusted using an adjustment wheel.

### Safety features

Engine protection mounted on the machine safeguards the engine from damage if it is dropped. A kickstand enables the operator to rest the machine safely on the track.

### Low vibration

The design of the Gamma Grinder's handle and belt transmission filters most of the vibrations created by the grinding operation. As a result, the vibration at the handle is only 2.5 m/s<sup>2</sup>.

### Standard grinding stones

The Gamma Grinder uses four standard grinding stones (M8 or M20).

→ ADVANTAGES

- The Gamma Grinder's simple, robust design and reliable engine mean that maintenance costs are very low.
- The diesel engine is faster operating than a petrol engine, produces a larger amount of torque and works perfectly for grinding both the top and side of the rail.
- The Gamma Grinder's safety features, in particular its engine protection, tilt lock and kickstand, make the machine very safe to use.
- Adjustability in terms of angle and height of the grinding stone ensures precise, efficient grinding every time.
- The use of standard grinding stones reduces cost.
- The Gamma Grinder's handle and belt transmission have been designed to reduce vibration levels for the operator, making it easier and less tiring to use than other grinding machines.



→ COMPONENTS

- 1. Height adjustment wheel
- 2. Powerful and reliable diesel engine
- 3. Kickstand
- 4. Engine protection
- 5. Angle adjustment lever

→ COMPLIANCE

The Pandrol Gamma Grinder is fully compliant with all European norms:

Machine:

- Machinery directive 2006/42 CE
- European norm EN 13977

Engine:

- Regulation (EU) 2016/1628 (EU stage V)

→ SPECIFICATIONS

Engine	
Power	3.3 kW / 4.7 hp
Fuel	Diesel
Start	Pull start

General characteristics	
Vibration level	2,5 m/s²
Sound pressure level Lpa [dB(A)]	85 dBA / 99dBA
Torque (max)	12 Nm @ 2600 rpm
Dimensions (LxWxH)	1000 x 840 x 990 mm
Weight (without accessories)	71 kg
Grinding wheel dimension	M8 – 4 holes D150 x 73 x 57 mm M20 – 1 holes D150 x 73 x 57 mm

