

Rail Drilling Machine

Track equipment



The Pandrol Rail Drilling Machine is designed to bore all kinds of vignole and tram rails with extreme precision. Mounted on a clamp and provided with drilling templates, the drill can be adjusted to the full range of standard drilling patterns.

The high-efficiency drill is powered by a lightweight, efficient engine that ensures accurate, quick drilling. The Rail Drilling Machine is easy and intuitive to use. It comes fitted with an advancing lever that minimises vibrations during operation and can be used to control the engine speed.

→ TECHNICAL FEATURES

Components

The Rail Drilling Machine comprises a cooling tank, Honda engine, rail clamp, drilling template and rail template.

Powerful engine

The four-stroke Honda engine supplies a maximum power of 1.5 kw at 4,800 rpm.

Accelerator synchronisation

The engine speed is directly synchronised with the position of the drill from the rail. This allows the machine to automatically accelerate when drilling starts, preventing excessive fuel consumption that results from an engine being able to run at full speed without drilling.

Modular rail clamp

The Rail Drilling Machine's modular rail clamp enables customers to swap the working rail or drill a different pattern by changing the rail or drilling templates on the original clamp.

Precise templates

The machine's templates are produced with precision on a numerically-controlled machine. This guarantees a high-quality of realisation, with no need for rectification.

Designed for ease of use

The Rail Drilling Machine's robust transmission, coupled with its high-quality drill, allows the operator to drill without excessive force on the advancement lever.

→ ADVANTAGES /

- The Rail Drilling Machine's robust, four-stroke Honda engine is renowned for its reliability. As a result, little preventive and corrective maintenance is needed, saving customers time and money.
- The fuel-efficient engine, coupled with the accelerator synchronisation, means that the machine is cheaper to run and more environmentally friendly than many other drilling machines.
- The high-quality drill is quick and efficient, saving time on drilling operations.
- The modular rail clamp provides flexibility and saves money as customers do not have to buy different rail clamps for different types of work.
- The efficient drill, high-quality rail clamp and precision-engineered templates ensure accurate drilling, saving customers time and money on rectifying mistakes.
- As a result of its accelerator synchronisation, the Rail Drilling Machine is easy to operate and little training is needed. Operators experience less fatigue than with some machines, as relatively little force is needed to use the advancement lever.



→ COMPONENTS /

1. Honda engine
2. Advancing lever
3. Rail clamp
4. Rail rapid approach system

→ ISO VIEW /



→ SPECIFICATIONS /

Technical specifications	
Engine	Honda GXV57
Maximum power	1.5 Kw (2HP) at 4800 rpm
Maximum torque	3.2 Nm at 4000 rpm
Wheel rotation speed	300 rpm
Tool maximum diameter	33 mm
Hole diameter	6 – 40 mm
Tool maximum stroke	48 mm
Maximum rail thickness	33 mm
Weight (dry without accessories)	17.8 Kg
Vibration level at the handle	2.6 m/s ²
Sound pressure	81 dB
Sound power	89.9 dB
Vignole Rail version	
Dimensions (L x W x H)	570 x 340 x 395 mm
Tram Rail version	
Dimensions (L x W x H)	695 x 341 x 392 mm

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