

Motorised rail track drill

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MAQUIVIAS MQ-MTP-3,9

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GENERAL DESCRIPTION

The **MQ-MTP-3,5** has been designed to drill through railway track. The drilling action is performed using a device built into the machine, which has a rotational speed of 1262 r.p.m. and a torque of 0.24 kg x m. The direction of turn is fixed. The machine is moved along the track by the operator. It is positioned on the rail by locating the motorised drill over the point where the hole is required. The template fits over the rail and the clamp is tightened to ensure the drill is at the right height. The drill is driven through the rail by turning the wheel and so advancing the bit. The machine is suitable for drilling 45, 54 and 60 kg rails and can drill holes of up to Ø32mm. The holes are precise and have a good surface quality. The machine is powered by a built-in petrol engine. The cutting element consists of a cutting tool holder with two interchangeable cutting tools.

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MAIN TECHNICAL SPECIFICATIONS

Engine:	- Model:	Honda GX-160 (petrol) air-cooled
	- Power:	3.9 hp at 3600 r.p.m.
	- Torque:	0.95 Kg x m
	- Engine starting:	Manual (reversible pull cord)
Transmission:		-12 tooth 28mm wide J section belt
Cutting tool holder:	-Type:	Interchangeable
	-R.P.M.:	1262 r.p.m.
	-Cutting speed:	120mm/min (for Ø30mm.)
	-No. cutting tools:	2
	-Fastening:	Screws
	- Depth:	64mm (max.)
	-Housing:	Ø30mm
Advance mechanism:		-Manual, with spindle
Drilling:		-Time: Between 20 and 55 seconds (depending on rate of advance)
		-Rail type: 45, 54 and 60 Kg/m
Cooling:		-Individual 16.8 litre tank for cutting lubricant.
		-Pressure jet onto cutting area.
Attachment to rail:		- Self-centring, by means of template.
Weight of machine:		36 Kg.