



RAIL GRINDING MACHINE

RGM 1-12

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The rail grinder RGM 1-12 is a rail-borne machine which has 12 grinding motors with independent angular adjustment. Each of the spindles is driven by a frequency-controlled electrical motor. The computer monitored grinding process is controlled with touch pad by the operator inside of the cabin.

The rail grinder RGM 1-12 can be used for removing of rolling skin, the elimination of rail corrugations (grooves) and short waves on the rail head as well as for the reprofiling of the rail head.

The rail grinder is efficient for working in the open and closed scopes of long rail sections for winning the transverse and longitudinal target profile as well as for machining of turnouts.

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Technical data of the rail grinder RGM 1-12

Length	16.600 mm
Width	2.550 mm
Height	3.600 mm
Weight	48,0 t
Gauge	1.435 mm
Axle load (rail)	max. 12 t
Minimum curve radius	travelling: R40 m grinding: R50 m
Numbers of grinding motors	12
Speed of cup stones	max. 5850 rpm, infinitely variable by integrated frequency converter
Max. grinding angle	-25° outside of the rail (field side) +70° inside of the rail (gauge side)
Operation	- computer monitored grinding process - grinding in both directions - 100 grinding programs
Modification of grinding angles	electromechanical control
Feeding mechanism for grinding stone	electromechanical control
Horizontal grinding stone adjusting	electromechanical control
Rail travel speed	60 km/h (max. 65 km/h)
Grinding speed	0,5 to 12,0 km/h
Maximum slope	70 ‰
Vaccum power for grinding dust collection ..	2 x 12.500 m ³ /h
Water tank	2x 600 liter
Protections	- spark shields continuously adjustable - particle-emission filter for exhaust gases
Options	- for transverse profile in accordance to EN13231 - for longitudinal profile in accordance to EN13231 - for online roughness measuring in accordance to EN13231 - auto. fire extinguishing system
Maintainability	- COMMAND online assistance 24/7

DEVELOPMENT - DESIGN - MANUFACTURING - SALE - SERVICE

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