



RAIL GRINDING MACHINE

RRGM 0-16

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The rail grinder RRGM 0-16 is a rail-road going machine. The machine has 16 grinding spindles with independent angular adjustment. They are driven by frequency-controlled electrical 7,5 to 15 kW motors. The computer monitored grinding process is controlled with touch pad by the operator inside of the cabin.

The rail grinder 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 reprofiling of the rail head.

The grinder RRGM 0-16 is efficient for working in the open and closed scopes of long rail sections for winning the transverse and longitudinal target profiles.

Insertion time on rail:	approx. 8 minutes
Discharging time of rail:	approx. 4 minutes

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Technical data of the rail grinder RRGM 0-16

Length	15.920 mm
Breadth	2.300 mm
Hight	3.200 mm
Weight	26 t
Gauge	1000 to 1524 mm
Axle load	max. 6,5 t
Minimum curve radius	Travelling: 25 m Grinding: 35 m
Numbers of grinding motors	16
Power of grinding motors	7,5 kW per motor
Speed of cup stones	max. 6000 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 - availability of 100 grinding programs - grinding in both directions
Modification of grinding angles	electro mechanical control
Feeding mechanism for grinding stone	electro mechanical control
Horizontal grinding stone adjusting	electro mechanical control
Road travel speed	80 km/h
Rail travel speed	40 km/h
Grinding speed	max. 1,5 to 3,5 km/h
Maximum slope	70 ‰
Vacuum power for grinding dust	4 x 4,5 kW volumetric flow rate 15.000 m ³ /h
Water tank	600 litres
Protections	- vertical adjustable spark shields - particle-emission filter for exhaust gases
Approvals	- EBA approval acc. European standards - approval for grinding on german rail ways of the DB Netz AG

DEVELOPMENT - DESIGN - MANUFACTURING - SALE - SERVICE

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