

Highest precision, high performance, no sparks and no dust with...

High speed rail milling machine HSM

- ▮ preventive milling
- ▮ Removing corrugation and faults in the cross profile of the rail head
- ▮ Removing near-surface and deeper rail defects (e.g. Head Checks)
- ▮ Milling of rails in tunnels, on bridges, in tracks with contact rail
- ▮ Acoustic milling/grinding in conjunction with
GWM rail grinding machine
- ▮ Milling of new rails





Technical details

High speed rail milling machine HSM:

Length over buffers	51.900 mm
Width	2.570 mm
Height above top of rail	3.800 mm
Total weight	190 t
Number of wheel sets	12
Number of bogies	6
Axle load	< 14 t
Wheel diameter	920 mm
Track gauge	1.435 mm
Engine power	750 kW
Self-propelled travel speed	100 km/h
Minimum curve radius	150 m
Clearance diagram	G1 (UIC 505-1), W6A
Fuel tank	4.000 l
Milling method	Computer-controlled synchronized work, free of dust, sparks with the clearance gauge
Milling units	3 milling units per rail, Ø 1.400 mm
Operating speed	800 - 3.000 m/h
Performance	Finished track in one pass up to 3.000 m/h bei 0,5 mm Metal removal up to 2.000 m/h bei 1,0 mm Metal removal
Minimum Metal removal	0,2 mm
Working area	87° (gauge side) - 7° (field side)
Chip collection	Chips are sucked off directly at the milling tool and conveyed to a chip tank
Minimum working radius	150 m
Maximum track gradient	40 ‰
Working direktion	One direction



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