



Road Heading Machines for Mining and Tunnelling

With a staff of 400 in Germany and abroad HAZEMAG & EPR GmbH has been operating successfully for decades in the field of customer-oriented mining and tunnelling all over the world.

HAZEMAG & EPR offers a wide range of efficient and reliable road heading machines for economic advance heading in mining and tunnelling.

The delivery program ranges from a machine weight of 28 tons and a cutter head drive of 100 kW for the road heading machine TM 100 up to 130 tons and 315 kW for the TM 300.

The low overall height of the machines permits attachments – such as roof bolt drilling devices and auxiliary support devices – to be easily mounted. As cutting devices for the various operating conditions there are gears with longitudinal or cross cutting heads available.

For dust suppression water sprays on the cutter head as well as dust extraction channels are provided.

With the especially fitted cutter heads it is possible to cut minerals and rocks up to a compressive strength of 120 MPa.

Our delivery program:

- Dinting loaders (Hausherr)
- Side discharge loaders (Hausherr)
- Road heading machines
- Hydraulic drilling jumbos
- TURMAG drilling machines
- Power station technology (service)
- HAZEMAG materials preparation technology

Technical Data Road Heading Machines TM for Mining and Tunnelling

	Unit	TM 100 S	TM 100	TM 160	TM 300
Dimensions of the machine					
Length approx.	mm	9.000	8.800	11.000	14.175
Width over crawler tracks	mm	1.000	2.140/2.240	3.150	3.500
Width over gathering head	mm	2.000 - 4.200	2.100 - 3.200	2.600 - 5.900	4.600 - 6.500
Height approx.	mm	1.200	1.400	1.770	2.500 - 3.900
Ground clearance	mm	235	220	220	350
Weight approx.	t	28	28 - 35	50	130
Total drive power	kW	230	230	290	635
Working area					
Height approx.	mm	2.100	4.000 / 4.400	5.000 / 5.400	6.500
Width approx.	mm	4.900	5.200 / 6.000	6.900 / 7.400	7.800
Undercutting	mm	200	150	250	300
Slope max.	gon	18	18	18	18
Dip max.	gon	18	20	20	18
Cross inclination	gon	10	10	10	8
Cutter head					
Drive power	kW	100	100 (132)	160	315
Crawler tracks					
Track pad width	mm	400	400 / 500	600	700
Travelling speed up to	m/min	15	10	10	14,8
Soil pressure	N/cm ²	14	15 / 12	15	26
Tractive force	kN	2 x 120	2 x 150	2 x 250	2 x 390
Loading device					
Gathering head width	mm	2.000 - 4.200	2.100 - 3.200	2.600 - 5.900	4.600 - 6.500
Conveyor width	mm	500	650	760	760
Conveying speed	m/s	0,65	0,90	0,90	0,80
Conveying capacity up to	m ³ /h	150	250	300	520
Conveyor discharge height	mm	2.000	1.000 - 1.500	1.500 - 2.200	2.400
Motor fitting					
Cutter head (water-cooled)	kW	100	100 (132)	160 (200)	315
Hydraulic system (water-cooled)	kW	100	100	100	2 x 90
Connection (at 50 Hz) to	V	1000 / 500	1000 / 500	1000 / 500	1000
Hydraulic system					
Hydraulic liquid		Mineral or HFC-E	Mineral or HFC-E	Mineral or HFC-E	Mineral or HFC-E

Additional equipment:

- Intermediate conveyor
- Working platform
- Roof bolting system
- Dust extraction system
- Remote control

Electric equipment available in flame proof design



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