

Roadheader MT720 in Action

For mechanized tunnelling in hard rock





Operating this machine can be fun



From vision to reality

Unique features of the MT720

- Designed for economical excavation of rock exceeding 120 MPa uniaxial compressive strength - optimized robust design and cutting power for low speed cutting.
- Robust stabilized telescopic cutter boom for optimum cutting power application - sump-in without tramping and straight face even in high profiles.
- Efficient dust suppression and cutting tool cooling by high pressure pick flushing system.
- ICUTROC System: Low cutting speed for high torque and low dust generation during cutting
- Modular design - easy maintenance and assembly/disassembly.
- A variety of optional features - suitable for a wide range of applications.



Sandvik Roadheader Tunnelling MT720

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The Sandvik Tunneling Roadheader MT720 is an extremely powerful boom-type roadheader of the 100 tons class and has proven its unique transverse cutting technology in hard rock applications worldwide. This machine has an extended field of operation for mechanized tunneling in hard and abrasive rock formations

Technical data MT720*

Main dimensions

Total weight	135 t
Total length	18.2 m
Height over canopy	4.8 m
Width over loading table	4.56 m
Ground pressure	0.23 MPa

Electrical system

	1000 V / 50 Hz
Total installed electric motor power	555 kW
Cutter motor	300 kW

Power demand

via transformer	1200 kVA
via generator set	1500 kVA

Conveying system

Double chain conveyor motor (hydraulic)	90 kW
Capacity of conveyor	max 400 m ³ / h

Cutting profile

boom telescope extended / retracted	
Height	6.6m / 6.1 m
Width	9.1m / 8.4 m

Negotiable gradients

Without machine support	+/- 20 gon
Speed of cutter head	1.4 m / s
Tramming speed	0 - 15 m / min

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