

Sandvik Tunneling Roadheader MT720 in Action

For mechanized tunneling in hard rock





Excavation with low ground vibration

Sandvik Tunneling Roadheader MT720

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 PLC controlled*

General:			Negotiable gradients:		
Total weight approx	(t)	135	Incline /Decline	(gon)	±20
Total length approx.	(m)	15	Max. cross gradient	(gon)	7
Height over canopy approx.	(mm)	4.6	Speeds:		
Width over loading table	(m)	4.56	Speed of cutter head	(m/sec)	1.4
Cutter boom telescope	(mm)	650	Tramming speed	(m/min)	0 - 15
Width of crawler tracks	(mm)	720	Electrical system:		
Machine ground pressure	(MPa)	0.23	Electric supply voltage	(V/Hz)	1.100 / 50
Cutting Profile:			Cutter motor	(kW)	300
Cutting height above track level max.	(m)	6.6	Total installed power	(kW)	522
Cutting width max.	(m)	9.1	<small>All dimensions and weights are approximate Please see technical specification for details * All rights for technical modification are reserved</small>		
Undercut below floor level	(mm)	165-480			
Conveying system:					
Width of conveyor	(mm)	840			
Capacity of conveyor	(m³/h)	400			



Accurate profile control - no overbreak

- 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 tramming 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.
 - Optional profile control system for maximum excavation accuracy.



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