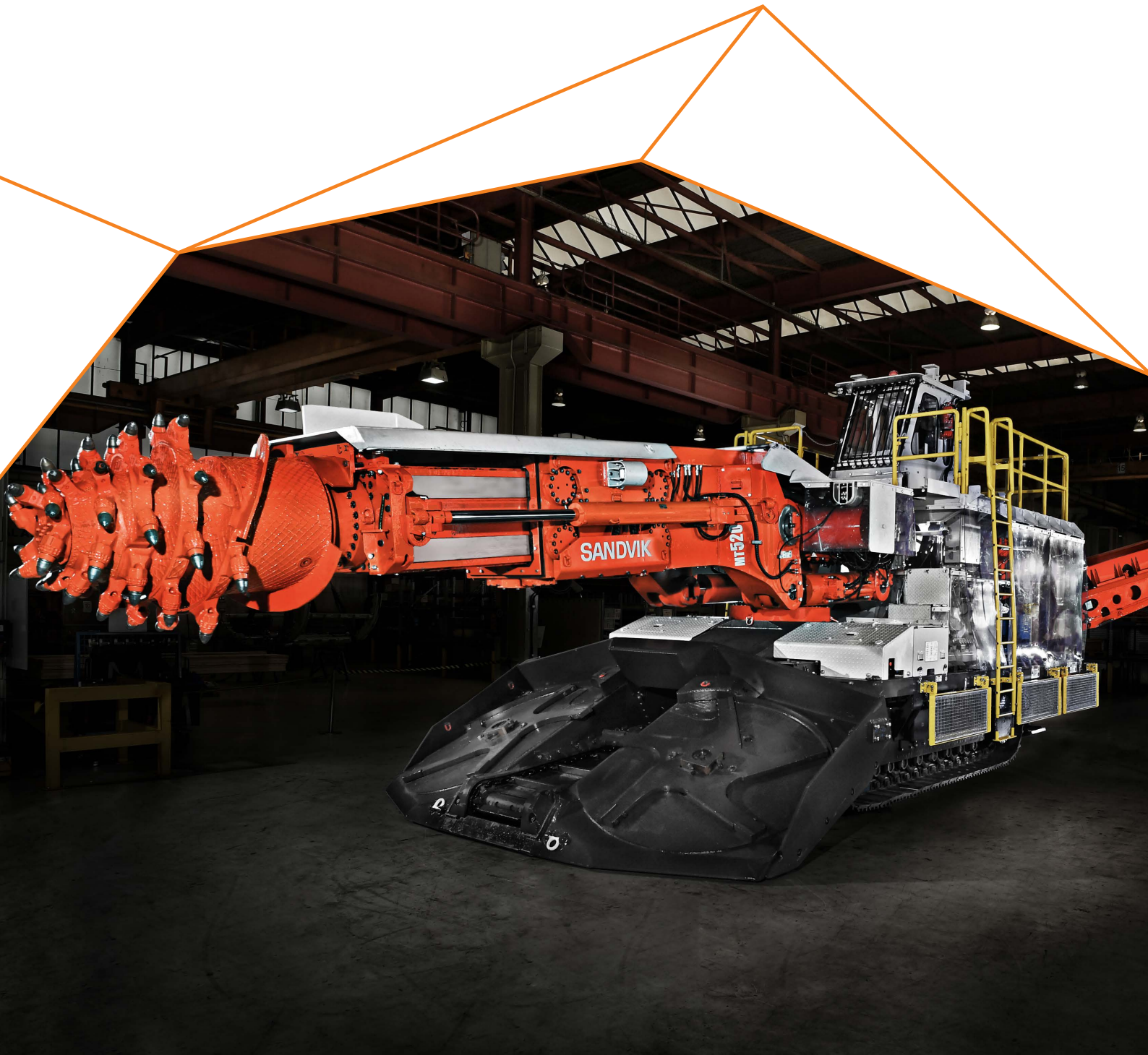




SANDVIK MT520 ROADHEADER

PRODUCT LEAFLET





TECHNICAL DATA

Machine model	MT520
Total weight +/- (t)	120
Machine ground pressure (MPa)	0.22
Overall length (m)	~ 20
Height (m)	5.1
Loading table width (m)	4.56
Cutter boom telescope (mm)	1200
Cutting height, max. (m)	7.1
Cutting width, max. (m)	10.3
Undercut - extended telescope (mm)	750
Cutter - retracted telescope (mm)	115
Cutting speed, 50 Hz (m/sec)	1.5
Navigable gradient, incline/decline (°)	±18
Capacity of conveyor, max. (m³/h)	350
Electric supply voltage (V)	1000/1140
Cutter motor (kW)	315
Tramming speed (m/min)	0-20
Total installed power (kW)	537

SANDVIK MT520

The Sandvik roadheaders for construction are equipped with powerful, geometrically optimized, inline or transverse cutter heads proven to give the best cutting performance in a wide range of rock conditions.

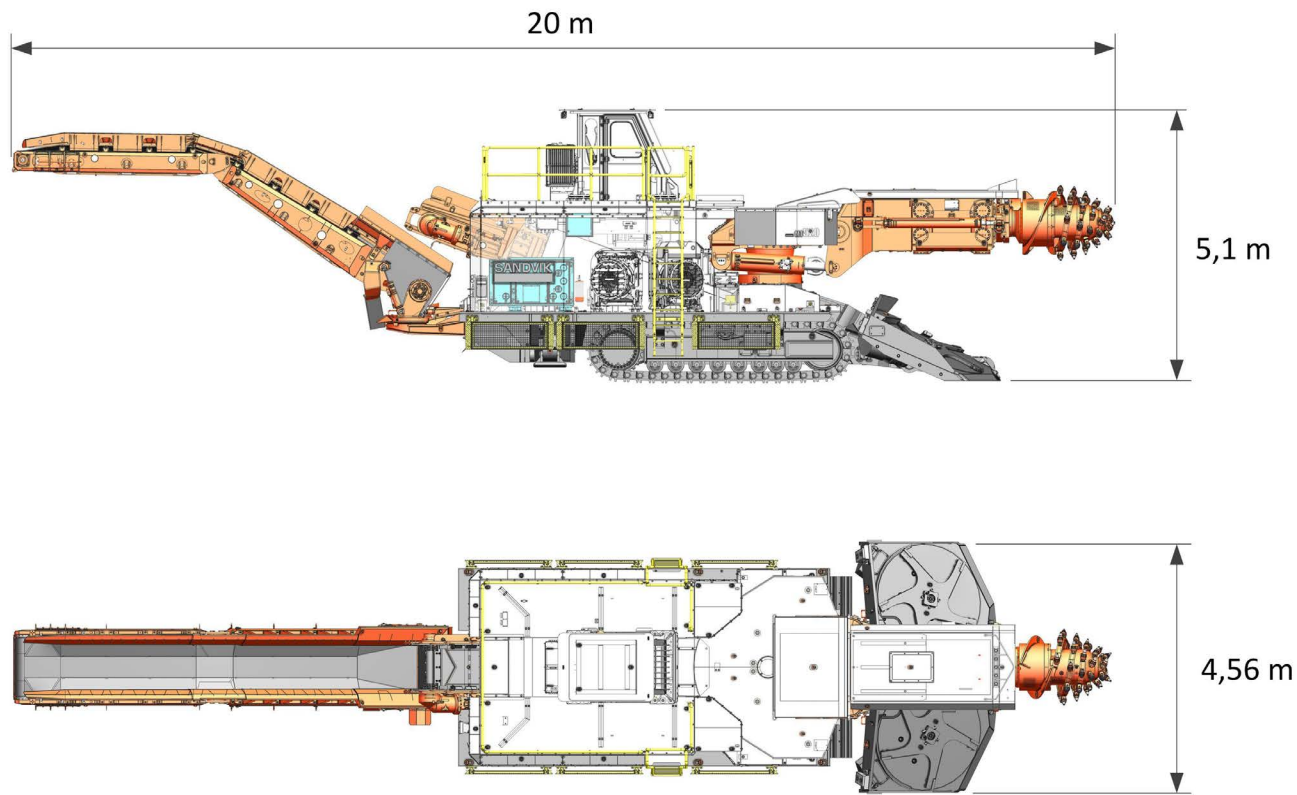
Subway tunnels, road tunnels, shaft sinking, rehabilitation of existing tunnels and excavation of underground caverns are just a few examples where these machines have demonstrated their great flexibility.

Our Sandvik MT520 PLC-controlled roadheader has been designed for use in tunneling, as well as salt, potash and chalk mining with a maximum profile up to 70 m². It has a modular design that offers more flexibility than standard roadheaders and works in most rock conditions up to 100 MPa compressive strength.

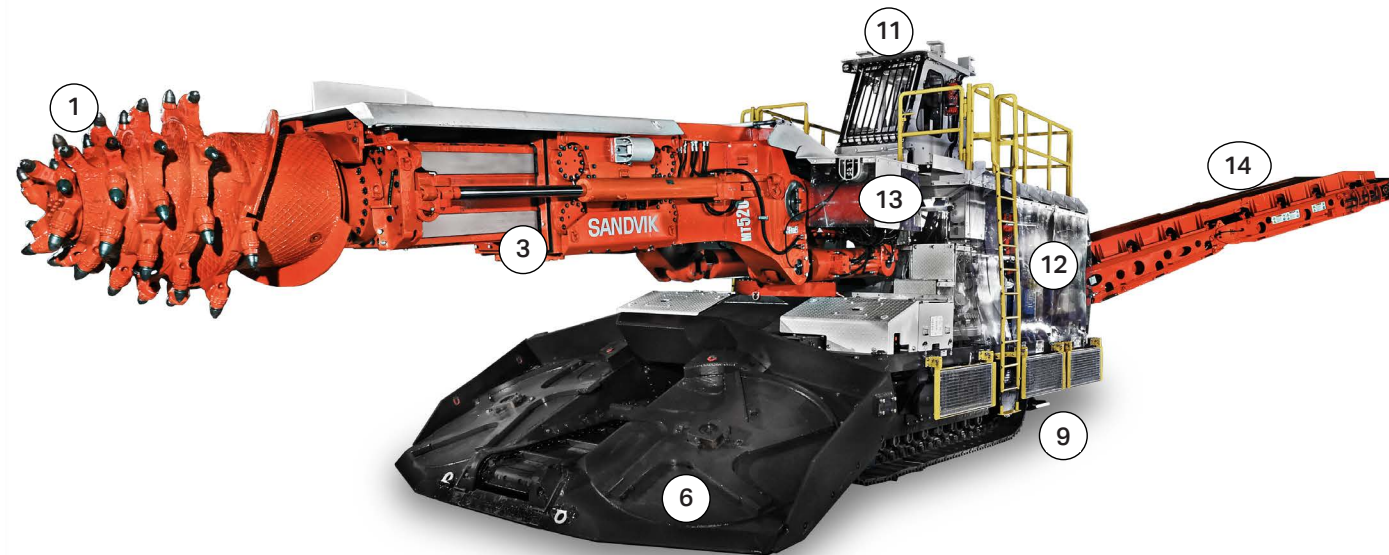
KEY FEATURES AND BENEFITS

- Improved safety features ensure safe underground working conditions and less hazards
- Robust machine design for increased availability and reduced service costs
- Optional roadheader guidance system for excellent profile accuracy to decrease costs for rock support
- High versatility due to availability of inline and transverse cutter heads for a wide range of rock conditions
- Various digitalisation options to optimize customer value

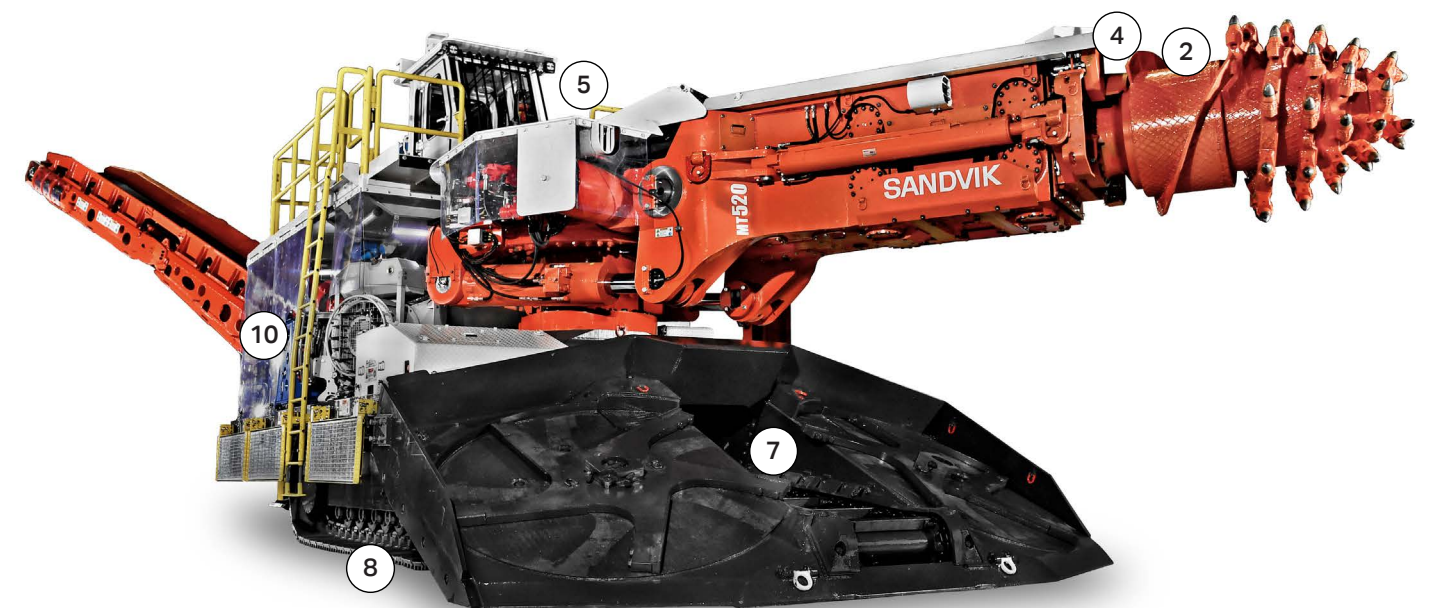
DIMENSIONS



KEY COMPONENTS AND FUNCTIONS OF A TYPICAL MT520 TUNNELING ROADHEADER



- ① Cutter head designed for a wide range of rock conditions
- ② Cutter boom to provide high slewing forces
- ③ Telescopic cutter boom with strong 315 kW E-Motor
- ④ Water spray system to elongate tool life-time and reduce dust
- ⑤ Turret with rack and pinion system for constant slewing speeds
- ⑥ Loading table for improved material flow
- ⑦ Double chain conveyor for material transfer
- ⑧ Crawler tracks provide the required flexibility
- ⑨ Frame with rear stabilizer with robust design to withstand all high cutting forces
- ⑩ Electrical equipment
- ⑪ Operator's cabin with optional air condition for safe and convenient working conditions
- ⑫ Hydraulic system with three circuits and load sensing technology
- ⑬ Automatic lubrication system of most critical lubrications points to reduce service efforts
- ⑭ Slewing belt conveyor provides flexible loading on haulage equipment





Sandvik Mining reserves the right to make changes to the information on this data sheet without prior notification to users.
Please contact a Sandvik representative for clarification on specifications and options.