

Sandvik MT520 Roadheader [Inventory ID #1336758]



Sandvik MT520 Roadheader

**Now Located at Our Site in Savona, B.C. Canada!
Inquire Today!**

- Make: Sandvik
- Model: MT520
- Type: Roadheader
- Serial: 023
- Condition: Used, Reported In Good Condition
- Year: 2016
- Hours:
 - Hydraulic Motor: 5,542 Hours
 - Cutting Head Motor: 3,756 Hours
- Cutter Head: R315-IC39
 - Optimum Application: Rock with Compressive Strength from 40-60 MPa
 - Tipped: 39 Pick Boxes for 38/30mm, 38mm or 30mm Shank Diameter Picks
 - Diameter: 1430mm
 - Width: 1160mm
- Description: The Sandvik Roadheaders are Electro-Hydraulically Powered and 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 70m². It has a modular design that offers more flexibility than standard Roadheaders and works in most rock conditions up to 100 MPa compressive strength.

- General Model Specifications:
 - General Data:
 - Total Length with Belt Conveyor: 20,000mm (Approx.)
 - Total Length: 12,900mm (Approx.)
 - Machine Width - Chassis: 3,695mm
 - Machine Width - Tracks: 3,300mm
 - Min Travel Height: 4,800mm (Approx.)
 - Total Height: 4,950mm
 - Loading Table Width: 4,620mm
 - Crawler Track Width: 800mm
 - Total Weight Basic Machine: 123 Tons (Approx.)
 - Ground Clearance: 242mm
 - Total Available Power: 537kW
 - Machine Ground Pressure: 0.23 MPa
 - Navigable Area of Application:
 - Cone Radius - Min: 25m (Approx.)
 - Basin Radius - Min: 20m (Approx.)
 - Max Side Tilt Angle during Tramming: $\pm 5^{\circ}$
 - Max Front Tilt Angle During Tramming: $\pm 18^{\circ}$
 - Cuttable Uniaxial Compressive Strength: 80-140 MPa
 - Power Supply: 1000 Volt / 60Hz
 - Cutter Head:
 - Max Cutting Height Above Track Level: 7,100mm
 - Min Cutting Height above Track Level: 6,350mm
 - Cutting Width: 7,900-9,300mm ($\pm 37^{\circ}$ Horizontal Angle)
 - Max Undercut Below Floor Level: 750mm
 - Head Diameter: 1,460mm
 - Head Width: 1,160mm
 - Max Cutting Speed: 1.5m/sec
 - Optimum Swivel Speed: 0.05-0.08m/sec
 - Cross-Sectional Area to Floor Level: 47-70m²
 - Available Power: 315kW
 - Loading Device:
 - Device: Spinner
 - Loading Capacity: 350m³/h Max.
 - Loading Width: 4,620mm
 - Loading Device Height Above Floor Level: 635mm
 - Loading Device Height Below Floor Level: 230mm
 - Available Power: (2) 36kW
 - Conveyor:
 - Conveyor Width: 840mm
 - Conveyor Chain Speed: 0.5-0.9 m/sec
 - Conveyor Capacity: 350m³/h Max
 - Installed Power (Hydraulic Driven): 90kW
 - Swivel Belt Conveyor:

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- Swivel Belt Conveyor Width: 1,000mm
 - Swivel Belt Conveyor Overhang: 6,600mm
 - Swivel Belt Conveyor Chain Speed: 2m/sec Max
 - Swivel Belt Conveyor Max Discharge Height: 6,000mm
 - Swivel Belt Conveyor Min Discharge Height: 3,500mm
 - Available Power: 25kW
 - Frame/Crawler Track:
 - Tramming Speed: 0-18 m/min
 - Track Force Per Track: 465kN
 - Track Overall Width - Track Exterior: 3,300mm (Approx.)
 - Track Ground Length: 3,800mm (Approx.)
 - Track Chain Width: 800mm
 - Electrical System:
 - Electrical Potential: 1000 Volt / 60Hz
 - Available Power:
 - Cutter Motor - Water Cooled: 315kW
 - Rotational Speed: 1475 RPM
 - Nominal Torque: 1,942Nm
 - Hydraulic Motor - Air Cooled: 150kW
 - Rotational Speed: 1489 RPM
 - Nominal Torque: 962Nm
 - Loader Motors - Water Cooled: (2) 36kW
 - Rotational Speed: 1450 RPM
 - Nominal Torque: (2) 237Nm
 - Hydraulic System:
 - Available Power: 150kW
 - Pressure - Machine: 280 bar
 - Pressure - Chain Conveyor: 330 bar
 - Tank Capacity: 480 Liters
 - Total Oil Capacity: 680 Liters
 - Water System:
 - Quantity of Water, min.: 43 L/min
 - Pressure: 4 bar Min, 20 bar Max
 - Water Temperature: 12-35° C
 - Spraying System Type: Cutterhead and Cabin
 - Additional Equipment:
 - Fire Protection: Fire Suppression/Detection System + (2) Hand Extinguishers
 - Overall Dimensions:
 - Length: 20m (20,000mm)
 - Width: 4.62m (4,620mm)
 - Height: 5.15m (5,150mm)
 - Weight: 123 Tons (123,000 kgs)



- Location: Savona, British Columbia, Canada

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Watch YouTube Video Here: <https://www.youtube.com/watch?v=IBd1Gq-Bgo>