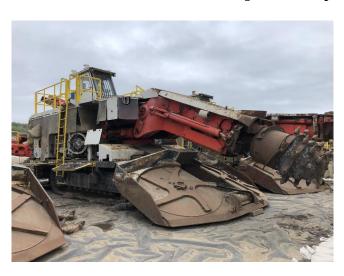


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## Sandvik MT520 Roadheader

[Inventory ID #1337559]



Sandvik MT520 Roadheader

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

Make: SandvikModel: MT520Type: Roadheader

Serial: 026

• Condition: Used, Reported In Good Condition

Year: 2017Hours:

Hydraulic Motor: 2,817 HoursCutting Head Motor: 1,705 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: 1430mmWidth: 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



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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: ±5°
    - Max Front Tilt Angle During Tramming: ±18°
    - 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 (±37° 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



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- Conveyor Capacity: 350m³/h Max
- Installed Power (Hydraulic Driven): 90kW
- Swivel Belt Conveyor:
  - 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)



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Width: 4.62m (4,620mm)Height: 5.15m (5,150mm)

Weight: 123 Tons (123,000 kgs)

• Location: Savona, British Columbia, Canada

View More **Roadheaders** 

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