RAMA MINING TOOLS PVT. LTD.

WAGON DRILL
RMT 25 (TH & DTH)

Mining tools

Rama Mining Tools Wagon Drill comes in 2 variants.

1) Top Hammer version: Drilling up to **20-40 meter depth with hole dia of 48-76 mm**. (With RMT 120F | BBC 120F Pneumatic Drifter)

2) DTH Hammer version: Drilling depth of **40 meters with hole dia of 102-114 mm**.
A vertically mounted pneumatic hammer drill and percussive - type rock drill supported on a three-wheeled wagon.

Rama Mining Tools Wagon Drill is powered by pneumatic traction motors skid steering allows the unit to turn within a diameter equal to its wheelbase and manoeuver easily into place. The drill table is lowered for tramming and is brought back up to a vertical position or drilling by hydraulic manual jack. Two jack bars hold the drill feed in place during drilling operations. The Wagon drills are used for production drilling in Opencast mines and quarry, grounting and anchoring. It is used in underground mines for production drilling with the shortened mast. With a conversion kit, it can be converted from the TH version to the DTH version.

Possible drill holes from dia **48 to 155 mm.** It has a hydraulic hand pump for boom lifting mechanical jack, pneumatic power steering with a tow bar for tramming and easy to shift from hole to hole. Feed Beam is available in different lengths of **2.5 meters to 5.1 meters.**

What is good about it?

- 4 cylinder hardened grinded steel double Piston Motor with high torque
- Single planetary rotation unit with reduction gear and seal ring
- SGI grade steel casting air moor with worm reduction gear
- Adjustable & replaceable cradle with 16 mm mounting bolts
- Heavy duty 25.4 mm x 17.5 mm chain (Diamond / Rolon)
- 3 way hardened grinded lever operated control unit with pressure regulator (Auto drilling feed control)
- 150 mm rod guide with replaceable bush or with moveable and replaceable support hall
- Hammer air connection though floating seat the back side of gear box
- Covered levelling jack with self-adjusting foot (2 nos.)
- Big 25 litres hydraulic oil tank

Where it is used?

- Open cast mining
- Sand stone and lime slotting
- Underground mines

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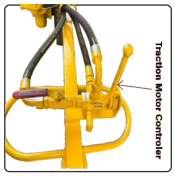
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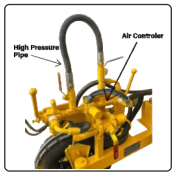
Mining Tools

RMT 25(TH)

The **Top Hammer version of RMT Wagon Drill** is equipped with very high performer pneumatic drifter **"RMT 120F"** which is the same as **"BBC 120F Drifter"**. The drifter comes with **Rifle Bar Rotation** feature. With a quick conversion kit, Top Hammer Version can be **converted to the DTH version** of Wagon Drill. It is mostly used in Open Cast Machine with 5.1- meter long Feed Beam and Sand & Limestone mines with 4.2- meter long Feed Beam. It is also used in underground mines with 2.5-meter long Feed Beam.









Specification

Model #	RMT 25 (TH)	
Version	Top Hammer	
Pneumatic Drifter	RMT 120F | BBC 120F	
Drilling Depth	20 - 40 meter (66 feet - 131 feet)	
Hole Diameter	45 - 75 mm	1.8 - 3"
Drill Steel	R32 / R38 / T38	
Drill Steel Length	1.20 Meter, 2.50 Meter, 3 Meter	
Air Consumption	400 cfm at 7 bar	
Details of Feed and boom	As below	
Feed Type	Chain Drive	
Feed Beam Length	5430 mm, 4425 mm, 2825 mm	
Travel Length	3940 mm, 2200 mm, 1500 mm	
Feed Force	8kN	1.8 lb
Boom type	Single section and operated Hydraulic cylinder	

RMT 25(DTH)

The **DTH Hammer version of RMT Wagon Drill** is equipped with powerful piston type **air motor (BBR - 4 type)** which is suitable for **DTH hammers of 3" and 4"**. Possible drill hole sizes are 85 to 130mm and drilling depth up to 40 meters. With a quick **conversion kit,** the DTH version can be converted to the "Top Hammer Version" of Wagon Drill.





Specification

Model #	RMT 25 (DTH)	
Version	Down the Hole Hammer (DTH)	
Driving Force	Piston type Rotation Air Motor (Type BBR-4)	
Drilling Depth	40 meter (131 feet)	
Hole Diameter	85 - 130 mm	3.34 - 5.12"
Drill Tube Diameter	70 / 76 mm	
Drill Tube Length	1.20 Meter, 2.50 Meter, 3 Meter	
Operating Pressure	12 bar max.	
Maximum Torque	900 Nm	
Suitable hammer	3", 4" Hammer	
Feed Type	Chain Drive	
Feed Beam Length	5430 mm, 4425 mm, 2825 mm	
Travel Length	3940 mm, 2200 mm, 1500 mm	
Feed Force	8kN	1.8 lb

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