

## Scope of application

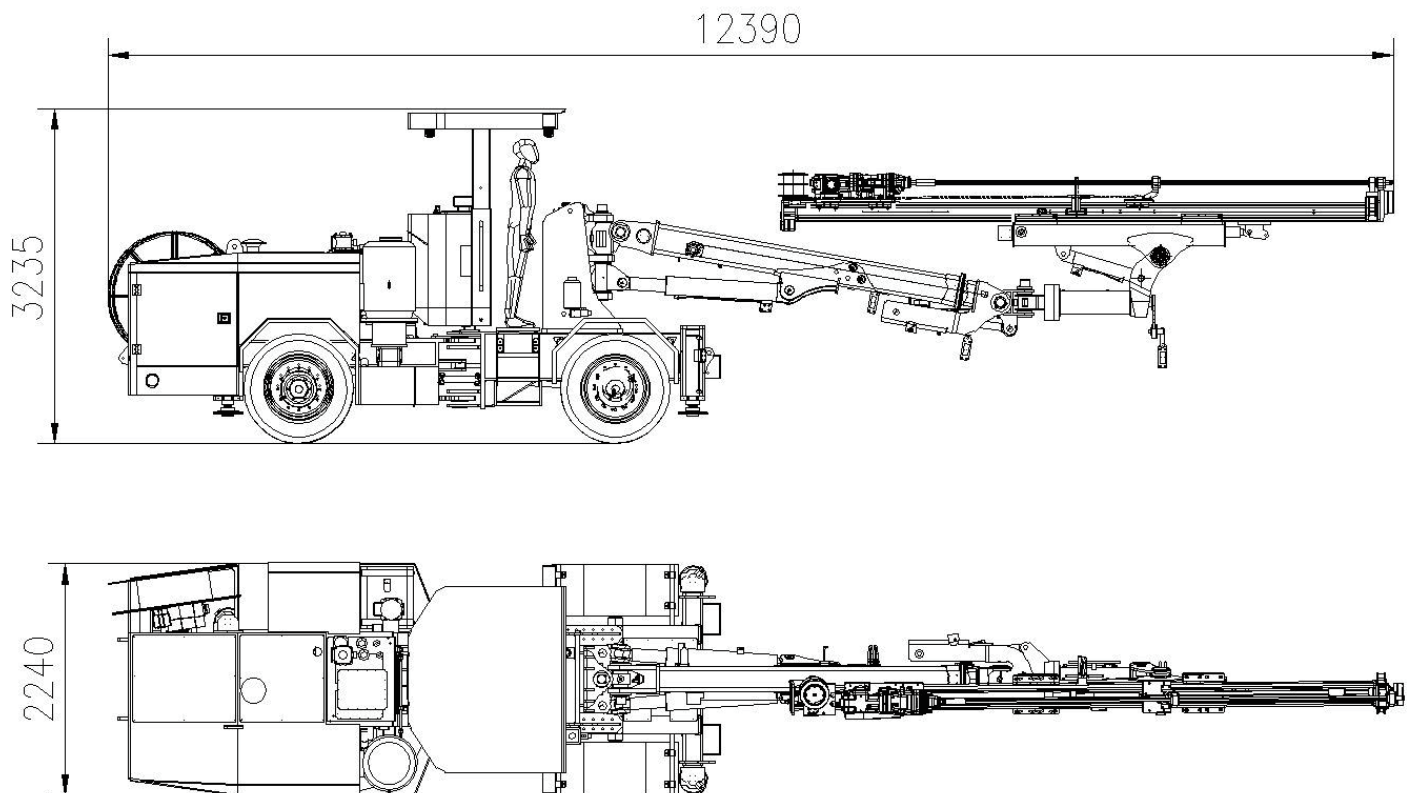
Rock Bolting Rig MT10D is built for 30m<sup>2</sup>-140m<sup>2</sup> Anchor rod hole operations for highway and railway tunnels, pumped storage power stations, hydro-power stations, irrigation tunnels in reservoirs, and underground caverns.

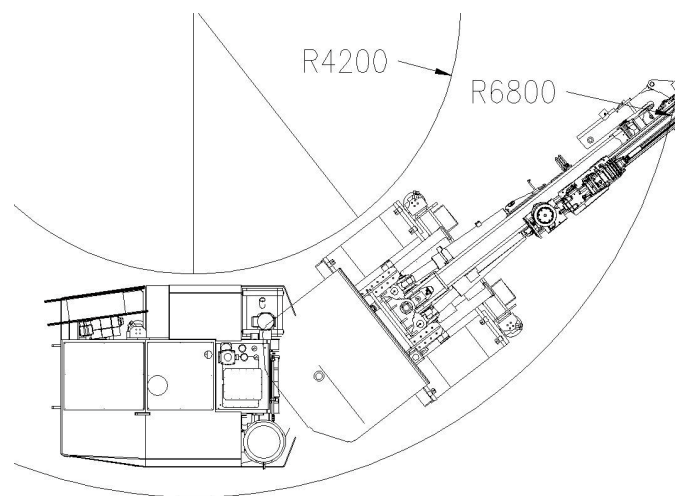
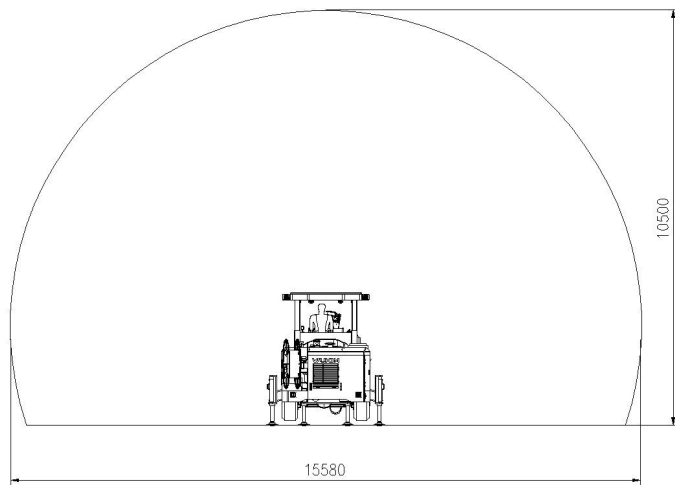
## Main benefits

- › **Convenience:** Drilling and anchor installation can be finished on the same feed;
- › **High efficiency:** Single ring anchor hole operation can be achieved with one positioning, and the drilling memory function can realize anchor installation with one key positioning;
- › **Digital function:** Digital recording of data such as the number of drilling holes, anchor bolts and drilling depth;
- › **Safety:** Remote operation by remote control, with workers away from the working area.



## Measurements





## Technical specifications

Main parameters	
Length	12390mm
Width	2400mm
Height	2635/3225mm
Total weight	15600kg
Turning radius outer/inner	6200mm/3700mm
Wheelbase	3050mm
Gradeability	15°
Driving speed	15km/h
Ground clearance	330mm
Minimum coverage area	6m(H)×6m(W) (Bolting)
Maximum coverage area	10m(H)×15.0m(W) (Bolting)

Electrical system	
Total installed power	63.5kW
Main motor	55kW
Voltage	380V
Frequency	50-60Hz
Starting method	Star-delta
Thermal overload protection for electric motors	1 unit
Percussion hour meters	1 unit
Digital voltmeter/amperage meter	1 unit
Phase sequence indicator	1 unit
Earth fault indicator	1 unit (Optional)
Transformer	300VA
Cable reel	φ700mm/φ1250mm
Cables	100m

Water system	
Working pressure	13 ~ 25bar
Working flow	80L/min

Rock drill	
Type	U1838ME
Shank adapter	T38
Drill range	φ41mm-φ89mm
Reaming range	≤105mm
Height over drill centre	88mm
Length without shank	1006mm
Impact power	18kW
Impact rate	60Hz
Rated hydraulic pressure	200bar
Maximum hydraulic pressure	230bar
Rotation system	Hydraulic motor
Rotation speed	0 ~ 215rpm
Rotation torque, max	1000Nm
Lub. air consump. at 2 bar	5 L/min
Water consumption	40-120 L/min
Weight	170kg
Sound level	<125dB

Bolting unit	
Bolt installation	Manually assisted
Control method	Computer guided control
Bolt push	Rock drill impact push
Radial installation range	±180°
Bolt installation length	≅ 6m

Boom	
Boom support	Fixed boom mounts
Boom structure	Telescopic boom
Single drilling depth	3.9m (Optional Feed)
Feed extension	1800mm
Feed roll-over	360°

Carrier	
66kW Diesel engine	1 unit
Articulated steering	±38° steering angle
Silencer	1 unit
Fixed seat for tramping	1 unit
Four-wheel drive	1 unit
Torque converter	1 unit
Gearbox	1 unit
Front axle (Includes fully enclosed multi-disc dry brake and parking brake)	1 unit
Rear axle (Includes fully enclosed multi-disc dry brakes)	1 unit
Tyres	16/70-20
Approach angle	16°
Departure angle	17°
Hydraulic jacks, front	2 horizontally telescopic jacks, 2 vertical telescopic jacks
Hydraulic jacks, rear	2 vertical telescopic jacks
Service brakes	2 separate circuits
Fuel tank, volume	110L
Electric system	24V
Batteries	2×120Ah
Tramming lights	2×48W + 4×30W
Working lights	7×30W
Spirit level	yes
Gradeability at max load on drive wheels	15°
Tramming lights	yes

Air system	
Working pressure	8bar
Working flow	750L/min