



# Maxi Roof Bolter - Specifications



<b>Dimensions</b>	<b>Unit</b>
Closed height	1580 mm
Extended height	2500 mm
Thrust force	250 kg
Stinging force	700 kg
Weight excluding drill & controls	90.5 kg
<b>Drill details</b>	
Power source – high pressure water	140 – 180 bar
Drill power	3.6 kW / 4.5 kW @ 160 bar
Drill steel diameter	22 or 25 mm hex
Hole length (max)	2.4 m
Drill water consumption	0.7 ℓ/sec @ 160 bar
Rate of penetration – 180 MPa rock strength (quartzite, norite, granite)	Nominally 80 sec for 1 m
Hole diameter	28 to 38 mm
Closed loop – water recirculation	0.5 ℓ/sec
<b>Drill Steel Lengths</b>	
Drill steels used (tip to tip)	1300 mm
	2100 mm
	Required hole depth +200 mm

# Mini Roof Bolter - Specifications



<b>Dimensions</b>	<b>Unit</b>
Closed height	950 mm
Extended height	1550 mm
Thrust force	250 kg
Stinging force	250 kg
Weight excluding drill & controls	34.4 kg
<b>Drill details</b>	
Power source – high pressure water (hydropower)	140 – 180 bar
Drill power	3.6 kW / 4.5 kW @ 160 bar
Drill steel diameter	22 or 25 mm hex
Hole length (max)	1.5 m
Drill water consumption	0.7 ℓ/sec @ 160 bar
Rate of penetration – 180 MPa rock strength (quartzite, norite, granite)	Nominally 80 sec for 1 m
Hole diameter	28 to 38 mm
Closed loop – water recirculation	0.5 ℓ/sec

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<b>Drill Steel Lengths (for 900mm hole)</b>	<b>Collar to Tip</b>	<b>Tip to Tip</b>
Stope height 950 – 1200mm	410 mm	520 mm
	680 mm	790 mm
	950 mm	1060 mm
Stope height 1200 – 1300mm	680 mm	790 mm
	950 mm	1060 mm
Stope height 1300 - 1550mm	680 mm	790 mm
	950 mm	1060 mm
	1250 mm	1360 mm

Drill steels must be forged collar with 108 mm shank

# Mini & Maxi Roof Bolter - Features



- Remote controls with operator removed from drilling position
- One-man operation
- Sting cylinder to lock bolter in position
- Check valve on sting cylinder supply line to prevent inadvertent retraction of sting cylinder due to loss of supply pressure
- Fast drilling due to power of hydropowered drills
- Frame is hot dip galvanised and valves are stainless steel