

A square QR code is positioned in the top left corner. The HPE logo is centered within the QR code's grid.

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Narrow Tunnel Drilling Rig - Specifications



Description	Unit
Number of booms	1
Turning radius	3.5 m
Rail modules	Length 1.5 m Weight 33 kg
Nominal travelling speed	0.3 m/sec
Power source – high pressure water (hydropower)	140 to 180 bar
Hole length (max)	3 m
Drill steel diameter	25 mm or 32 mm hex
Rate of penetration – 180 MPa rock strength (quartzite, norite, granite)	Nominally 50 sec for 1 m (7kW Drifter)
Closed loop circuit – water recirculation	65% of consumption 35% balance used for flushing of hole
Drill water consumption per 7 kW drifter	1.4 ℓ/sec
Hole diameter	34 – 42 mm
Gully / raise length (max)	300 m
Gully / raise incline (max)	34°
Raise / excavation size	Height 2.9 m min – 5.5 m max Width 1.6 m min – 8 m max

Narrow Tunnel Drilling Rig - Features



- Water powered – clean technology
- Hydropower drifter
- Closed loop water hydraulic system i.e. water powering the drifter is recirculated
- Rack and Pinion power transmission
- Monorail suspended from cable anchors
- Use as platform for charging holes and installing roof bolt anchors
- Stability with stabilizer arm
- 3 independent brake systems
- Capable of drilling face holes and roof bolt holes