

# Hand Held Rock Drill HHH 3 - Specifications



Description	Unit
Hole length	1.2 m
Power source - High pressure water (hydropower)	140 – 180 bar
Drill power	3.6 kW @ 160 bar
Blow energy	65 Joule
Drill steel diameter	22 mm hex
Drill water consumption	0.7 ℓ/sec
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
Weight – Rock Drill Including drill steel retainer, anti vibration device, recirculating hose	22.5 kg
Weight – Thrust leg Including leg to drill hose, ramshorn & 5 prong stinger	500 mm stroke 10.5 kg 720 mm stroke 12.5 kg

# Hand Held Rock Drill HHH 3 - Features



- Drill can be operated with or without a water return line i.e. water used to power the drill, other than for flushing, can either be dumped onto the floor or returned to the high pressure pump via a return line hose
- Drills can operate on normal mine service water unless it is excessively contaminated. Even then the drill will continue to operate but life of drill will be affected
- Anti-vibration shock absorber on the drill reduces vibration on the hand which is critical to prevent “white knuckle disease” from a health perspective
- Water operated thrust leg for optimal thrusting
- Thrust leg has dry shut off when drill stops

# Hand Held Rock Drill HHH 3 - Safety and Environmental Impact



- Cooling and dust suppression
- Low and acceptable noise levels
- Limit exposure of personnel in the high risk zone due to the increased speed of drilling
- Elimination of inhalation of lubricating oil vapours and noxious fumes compared to compressed air drills