Hydco 1000H Diamond /RC Drill Rig

The Hydco 1000 is the culmination of 20 years infield experience.

It is a high capacity drill rig with a 10.3 metre mast structure, which delivers a 9 metre rod pull, while also providing more internal room for Make & Break options.

The Make & Break unit allows RC drill rod joints to be both mechanically tightened and un-tightened without physical contact with from the drill operators, eliminating one of drillings highest safety risk activities.

Key features of the Hydco 1000 are:

- Fully welded mast and deck
- Truck mounted
- 1000 metre + H Depth Capacity
- Mast—9 metre Rod Pull—2 metre Dump
- 2 speed multi-purpose head with Floating Spindle
- Cummins Diesel QSC 8.3 litre Custom Pack motor
- Water Pump - FMC John Bean LO9-18HD-BCD

Specifications:

Drilling Capacity Coring - Wireline

Drill Rod/Core Barrel	Rod Size (mm)	Core Size (mm)	Hole Depth (metres)
B	55.6	46.1	1900 +
N	69.9	60.3	1500 +
H	88.9	77.8	1000 +

Drill Mast and Feed		
Mast	Fully welded lattice frame with cross bracing Mast Length 10.3 metres (plus winches) Drill head travel 7.5 metres Hydraulic head slide 20 mm non rotating wire ropes with Hydraulic tensioning Hydco hydraulic drill rod clamp	
Feed	Pull Back 19,000 kg [variable] Pull Down 12,300 kg [variable]	
Dump Mast	Heavy Duty 2 metre mast dump	
Drill Head		
Drill Head	2 Speed Hollow Floating Spindle Drill head 0 to 1,100 rpm 790 nm 0 to 180 rpm 4,800 nm	 0 to 880 rpm 1,030 nm 0 to 140 rpm 6,200 nm
Winches		
Main Winch	Capacity - 15,000 kg single line pull 20 mm non-rotating (35 x 7 Construction) Variable Speed Hydraulic motors—wire rope overrun cutout	
Wire-line Winch	6 mm non-rotating (18 x 7 Construction) 1,500 wire rope level winder Planetary reduction gearbox. Fail safe brake complete with over centre valve	
Standard Features		
Engine	Cummins Diesel QSC 8.3 Custom Pack [305 hp @ 2,100 rpm]	
Water Pump	FMC John Bean LO9-18HD-BCD	
Other Features	Variable speed: Maximum 250 lts/mins @ 70 bar Guarding to table with rotation shut off Guarding to all rotating items	