

DURALITE 1000N



OVERVIEW:

Duralite Diamond Drills are constructed from only the best quality materials and are designed to be both durable and lightweight. All aspects of the drill have been designed to ensure maximum safety for the user(s). Considerable attention has been given to the size and weight of every component to afford the most efficient disassembly, transport, and re-assembly possible. The total operational weight of the **Duralite 1000N is only 9,295lbs (4,215 kg).**

<p><u>Performance:</u></p> <p>Depth capacity* for diamond drilling</p> <table> <tr> <td>B 2 3/16" (55.6 MM)</td> <td>4,265 FT (1,300 M)</td> </tr> <tr> <td>N 2 3/4" (69.9 MM)</td> <td>3,281 FT (1,000 M)</td> </tr> <tr> <td>H 3 1/2" (88.9 MM)</td> <td>2,559 FT (780 M)</td> </tr> </table> <p>*Drilling capacity is based on a 45 - 90° hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment use.</p>	B 2 3/16" (55.6 MM)	4,265 FT (1,300 M)	N 2 3/4" (69.9 MM)	3,281 FT (1,000 M)	H 3 1/2" (88.9 MM)	2,559 FT (780 M)	<p><u>Wireline Hoist (with Guarding):</u></p> <p>The wireline winch is manufactured out of steel and is driven by a low speed, high torque hydraulic motor providing variable speed.</p> <p><u>CABLE CAPACITY:</u> 3/16" (4.88 MM): 4,500' (1,372 M)</p> <p><u>PULL CAPACITY:</u> 2,000 LBS (907KG)</p>
B 2 3/16" (55.6 MM)	4,265 FT (1,300 M)						
N 2 3/4" (69.9 MM)	3,281 FT (1,000 M)						
H 3 1/2" (88.9 MM)	2,559 FT (780 M)						
<p><u>Standard Engine:</u></p> <p>Diesel John Deere 170Hp at 2,200 RPM</p>	<p><u>Rod Handling Winch (with Guarding):</u></p> <p><u>CABLE CAPACITY:</u> 3/8": 100' (30.5M)</p> <p><u>PULL CAPACITY:</u> 300 LBS (136KG)</p>						

Hydraulic Module:

Our proven hydraulic system is an open center, vented tank system, constructed using only top brand name pumps, valves, and accessories. This hydraulic system delivers 71 GPM at 2,200 RPM.

Feed Frame and Base:

Head Stroke:	60 Inches (1.52 M)
Pull Capacity:	29,000 lbs @ 3,500 PSI 13,150 Kg @ 3,500 PSI
Possible drilling angles:	45° to 90°

<u>Rotary Head, Chuck, and Rod Holder:</u>	<u>Weight:</u>	lbs	Kg
Holding Capacity: 26,000 lbs (11,790 kg)	Power Unit c/w Guarding	1,715	778
Maximum Rod Size: 3.5" (89 mm)	Hydraulic Module	1,590	721
Chuck Operation: Spring closed and hydraulically opened	Feed frame with mounts	1,480	671
Final Drive: Gear driven	Tower base c/w winches (no cable) (+ 350lbs for cable)	820	372
Hydraulic motor: Variable (160cc)	Tower	570	258
Transmission: Hi-Lo 2 Speed manual	Drill head assembly c/w motor & hoses (B20)	1,100	499
Gear Ratio: High: 3.0:1 Low: 5.4:1	Rod clamp assembly	230	104
Lubrication: Pumped oil, filter and cooler	Fibreglass floors	1,160	526
Fabrication: Steel	Foundation beams	630	286
Speed: Variable up to 1,500 RPM	Total Weight:	9,295	4,215