

DURALITE 1400N



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 1400N is only 9,825lbs (4,466 kg).**

<p><u>Performance:</u></p> <p>Depth capacity* for diamond drilling</p> <table> <tr> <td>N 2 3/4" (69.9 MM)</td> <td>4,550 FT (1,400 M)</td> </tr> <tr> <td>H 3 1/2" (88.9 MM)</td> <td>2,925 FT (900 M)</td> </tr> <tr> <td>P 4 5/8" (117.5 MM)</td> <td>1,950 FT (600 M)</td> </tr> </table> <p>*Drilling capacity is based on a 90° hole and will depend on in-hole tools, ground conditions, drilling techniques, and equipment use.</p>	N 2 3/4" (69.9 MM)	4,550 FT (1,400 M)	H 3 1/2" (88.9 MM)	2,925 FT (900 M)	P 4 5/8" (117.5 MM)	1,950 FT (600 M)	<p><u>Wireline Hoist (with Guarding):</u></p> <p>The wireline winch is manufactured out of aluminum 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): 4,600' (1,400 M)</p> <p><u>PULL CAPACITY:</u> 2,000 LBS (907KG)</p>
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<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> 5/16": 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:	72 Inches (1.85 M)
Pull Capacity:	29,000 lbs @ 3,500 PSI
Possible drilling angles:	45° to 90°

<p><u>Rotary Head, Chuck, and Rod Holder:</u></p> <p>Holding Capacity: 45,000 lbs (20,455 kg)</p> <p>Maximum Rod Size: 4.625" (117.5 mm)</p> <p>Chuck Operation: Spring closed and hydraulically opened</p> <p>Final Drive: Chain driven</p> <p>Hydraulic motor: Variable (160cc)</p> <p>Transmission: 4-speed funk Transmission</p> <p>Gear Ratio: Head – 2.4:1 Transmission: 1st Gear – 6.63:1 2nd Gear – 3.17:1 3rd Gear – 1.72:1 4th Gear – 1:1</p> <p>Lubrication: Gear Oil Bath</p> <p>Fabrication: Steel</p> <p>Speed: Variable up to 1,500 RPM</p>	<p><u>Weight:</u></p> <table> <tr> <td>Power Unit c/w Guarding</td> <td>1,715 lbs</td> </tr> <tr> <td>Hydraulic Module</td> <td>1,590</td> </tr> <tr> <td>Feed frame with mounts</td> <td>1,555</td> </tr> <tr> <td>Tower base c/w winches (no cable) (+ 350lbs for cable)</td> <td>820</td> </tr> <tr> <td>Tower</td> <td>570</td> </tr> <tr> <td>Drill head assembly w/motor & hoses (AVD P)</td> <td>1,555</td> </tr> <tr> <td>Rod clamp assembly</td> <td>230</td> </tr> <tr> <td>Fibreglass floors</td> <td>1,160</td> </tr> <tr> <td>Foundation beams</td> <td>630</td> </tr> <tr> <td>Total Weight:</td> <td><u>9,825 lbs</u></td> </tr> </table>	Power Unit c/w Guarding	1,715 lbs	Hydraulic Module	1,590	Feed frame with mounts	1,555	Tower base c/w winches (no cable) (+ 350lbs for cable)	820	Tower	570	Drill head assembly w/motor & hoses (AVD P)	1,555	Rod clamp assembly	230	Fibreglass floors	1,160	Foundation beams	630	Total Weight:	<u>9,825 lbs</u>
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