INCREASED DRILLING CAPACITY
With maximum thread strength and Boart Longyear’s innovative lightweight V-Wall™ body, Boart Longyear’s HD76 drill rods will expand your drilling capacity while lowering your costs in all ground conditions.

Rated for 3000 meters, the HD76 rod features a combination of exclusive heat treatments and a coarse thread design to provide the ultimate in pullback with lower make-up torque.

When ordered with optional grooves for communication inserts—Modular Electrically Connected Cable Assembly (MECCA)—the HD76 rod is the highest performing rod available for the gas drainage market.

THE STRONGEST, LONGEST LASTING HEAVY DUTY RODS AVAILABLE
Extensive competitive benchmarking proves Boart Longyear rods are better in rod joint load testing, bench and field bending, pull tests and make-break studies.

V-WALL™ TECHNOLOGY
Whereas most manufacturer’s continue to use welding to produce composite rods with thick walled ends, Boart Longyear incorporates V-Wall technology to produce its HD76 rods, eliminating the risk of weld cracks and possible failures.

HD THREAD
HD76 threads have larger, deeper coarse threads providing maximum durability and pullback as well as lower make-up torque. Joint strength is higher than the industry standard Q rating and equals the pullback rating of RQ thread.

- Large Diameter Drilling
- Robust Thread

LONGER ROD LIFE
Boart Longyear is the only manufacturer in the industry to case-harden pin threads. The result is a rod with 2x and more the thread life of competitors product.

Whether you need HD thread for large diameter drilling, Q™ thread for standard depths, RQ™ thread for deep holes, or WJ thread for conventional drilling, Boart Longyear has a variety of rods to meet all your drilling needs.

For more information on heavy duty drill rods, visit www.boartlongyear.com.
# HD76 Drill Rods

<table>
<thead>
<tr>
<th>PART #</th>
<th>Description</th>
<th>Measure</th>
<th>Outer Diameter</th>
<th>Inner Diameter</th>
<th>Weight</th>
<th>Thread Pitch</th>
<th>Pin Length</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>5008706</td>
<td>ROD, HD76 3.0 m</td>
<td>Metric</td>
<td>69.85 mm</td>
<td>54.85 mm</td>
<td>24.90 kg/3 m</td>
<td>10.2 mm</td>
<td>50.80 mm</td>
<td>279.00 l/100 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.S.</td>
<td>2.75 in</td>
<td>2.38 in</td>
<td>55.70 lb/10 ft</td>
<td>2.5 tpi</td>
<td>2.00 in</td>
<td>31.00 gal/100 ft</td>
</tr>
<tr>
<td>5008714</td>
<td>ROD, HD76 3.0 m W/Circlop Grooves</td>
<td>Metric</td>
<td>69.85 mm</td>
<td>54.85 mm</td>
<td>24.90 kg/3 m</td>
<td>10.2 mm</td>
<td>50.80 mm</td>
<td>279.00 l/100 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.S.</td>
<td>2.75 in</td>
<td>2.38 in</td>
<td>55.70 lb/10 ft</td>
<td>2.5 tpi</td>
<td>2.00 in</td>
<td>31.00 gal/100 ft</td>
</tr>
</tbody>
</table>

## HD76 Bundle Specifications

<table>
<thead>
<tr>
<th>Measure</th>
<th># of Rods</th>
<th>Dimensions (L x W x H)</th>
<th>Volume</th>
<th>Gross Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric</td>
<td>19</td>
<td>3.2 x 0.4 x 0.3 m</td>
<td>0.4 m³</td>
<td>473 kg</td>
</tr>
<tr>
<td>U.S.</td>
<td>19</td>
<td>10.3 x 1.2 x 1.1 ft</td>
<td>13.0 ft³</td>
<td>1,042 lb</td>
</tr>
</tbody>
</table>

## Container Shipments

<table>
<thead>
<tr>
<th>Load</th>
<th># of Bundles</th>
<th># of Rods</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 ft Container</td>
<td>3.0 m/10 ft Rods</td>
<td>32</td>
</tr>
<tr>
<td>40 ft Container</td>
<td>3.0 m/10 ft Rods</td>
<td>45</td>
</tr>
</tbody>
</table>

## Performance Rating

<table>
<thead>
<tr>
<th>Metric</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Drilling Depth by Joint Strength - Wet Down Hole</td>
<td>3,000 m</td>
</tr>
<tr>
<td>Rated Drilling Depth by Joint Strength - Dry Down Hole</td>
<td>2,906 m</td>
</tr>
<tr>
<td>Rated Maximum Pullback</td>
<td>330 kN</td>
</tr>
<tr>
<td>Rated Maximum Torque (Operating or Make-Up)</td>
<td>2,052 N m</td>
</tr>
<tr>
<td>Recommended Minimum Make-Up Torque for Deep Holes over 2000 m</td>
<td>1,664 N m</td>
</tr>
<tr>
<td>Recommended Minimum Make-Up Torque for Deep Holes over 1000 m</td>
<td>1,220 N m</td>
</tr>
<tr>
<td>Recommended Minimum Make-Up Torque</td>
<td>579 N m</td>
</tr>
<tr>
<td>Burst Pressure at Box Shoulder (per API bulletin 5C3)</td>
<td>81,411 kPa</td>
</tr>
<tr>
<td>Burst Pressure at Midbody (per API bulletin 5C3)</td>
<td>76,063 kPa</td>
</tr>
<tr>
<td>Collapse Pressure at Midbody (per API bulletin 5C3)</td>
<td>74,919 kPa</td>
</tr>
</tbody>
</table>

For more information on heavy duty drill rods, visit [www.boartlongyear.com](http://www.boartlongyear.com).

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