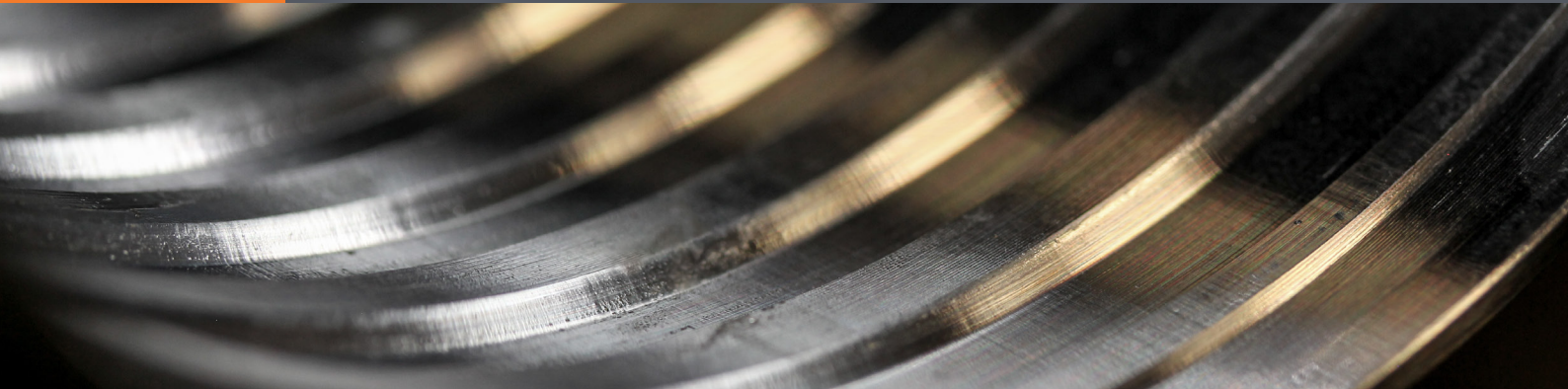




# HD76 DRILL RODS



## 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.

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## 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.

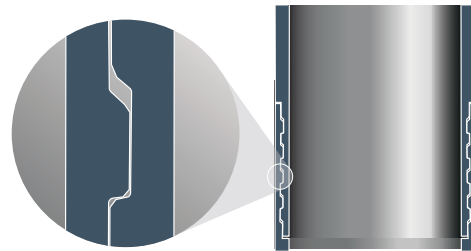
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## V-WALL™ TECHNOLOGY

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

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## 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](http://www.boartlongyear.com).



# HD76 DRILL RODS

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

HD76 Bundle Specifications	Measure	# of Rods	Dimensions (L x W x H)	Volume	Gross Weight
3.0 m/10 ft Rod Bundle	Metric	19	3.2 x 0.4 x 0.3 m	0.4 m <sup>3</sup>	473 kg
	U.S.	19	10.3 x 1.2 x 1.1 ft	13.0 ft <sup>3</sup>	1,042 lb

Container Shipments	Load	# of Bundles	# of Rods
20 ft Container	3.0 m/10 ft Rods	32	608
40 ft Container	3.0 m/10 ft Rods	45	855

Rating Criteria	Metric	U.S.
Rod Midbody Outer Diameter	69.9 mm	2.75 in
Rod Midbody Inner Diameter	60.2 mm	2.37 in
Rod Joint Inner Diameter	54.8 mm	2.16 in
Rod Resistance to Deviation (Moment of Inertia)	13,239 mm <sup>4</sup>	20.5 in <sup>4</sup>
Rod Weight per Unit Length	8.30 kg/m	5.57 lb/ft
Rod Content Weight (Water) per Unit Length	2.79 l/m	0.22 gal/ft
Rod Displacement (Water) per Unit Length	3.84 l/m	0.31 gal/ft

Performance Rating	Metric	U.S.
Rated Drilling Depth by Joint Strength - Wet Down Hole	3,000 m	9,800 ft
Rated Drilling Depth by Joint Strength - Dry Down Hole	2,906 m	9,534 ft
Rated Maximum Pullback	330 kN	74,186 lbf
Rated Maximum Torque (Operating or Make-Up)	2,052 N m	1,513 ft lbf
Recommended Minimum Make-Up Torque for Deep Holes over 2000m	1,664 N m	1,227 ft lbf
Recommended Minimum Make-Up Torque for Deep Holes over 1000m	1,220 N m	900 ft lbf
Recommended Minimum Make-Up Torque	579 N m	427 ft lbf
Burst Pressure at Box Shoulder (per API bulletin 5C3)	81,411 kPa	11,807 psi
Burst Pressure at Midbody (per API bulletin 5C3)	76,063 kPa	11,032 psi
Collapse Pressure at Midbody (per API bulletin 5C3)	74,919 kPa	10,866 psi

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

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AU Patent No. 722567; BR Patent No. PI 9706279-0; CA Patent No. 2,216,459; FR Patent No. 2757563; IN Patent No. 208096; US Patent No. 5,788,401; SE Patent No. 520,729; ZA Patent No. 97/9048.