



PREMIER DRILL PRODUCTS, LLC

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D100x120

Premier horizontal directional drill rod is a premium manufactured product. We start with 4137H extra wear-resistant bar stock and heat treat the tool joints to oilfield API S135 specifications for ultimate fatigue resistance. The tool joints are machined to exact specifications and matched with precision fabricated tube bodies. The tubes are cut to length from a 4100 alloy series, high chrome-moly seamless tube and are forged, heat treated to S135 and machined to compliment the tool joints. The components are then inertia welded, producing an uncompromisable weld. This process is the exact same which is used throughout the world for oilfield drill pipe manufacturing. The rod is then MAG particle inspected to ensure the integrity of the weld. It is because of our attention to detail that our rods can be used with confidence as it is subjected to the combined loads of pull/thrust, bending and torque produced from the drill rig.

General

HDD Compatibility:	Vermeer D100x120-II, D100x140 S3*
Thread Form:	Vermeer #1000

Dimensions:	U.S.	Metric
Tube OD (in, mm)	3.500	88.9
Tube WT (in, mm)	0.368	9.3
Tool Joint OD (in, mm)	4.375	111.1
Tool Joint ID (in, mm)	2.250	57.2
Rod Length (ft, m)	20	6.557

Weights	U.S.	Metric
Rod (lb per rod, kg per rod)	317	158.8

Performance	U.S.	Metric
Bend Radius**, min. (ft, m)	207	67.9
Bending Ratio**, max. (° per rod)	5.5	
Built Ratio**, max. (% slope per rod)	9.7	
Yield Torque (ft-lb, N-m)	23,140	31,374
Make-up Torque (ft-lb, N-m)	13,884	18,824
Tensile Strength (lb, N)	488,000	2,170,731



*Vermeer & D100X120 are trademarks of Vermeer Manufacturing Company.

** Bend limits are valid only for pure bending (no other loads acting at the same time, e.g. Push/Pullback, etc).

Note: The information provided here is general data. This data is not a warranty or quality certificate. Premier Drill Products LLC retains the right to change this data at any time for product improvement.