



PREMIER

DRILL PRODUCTS, LLC

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D80x100

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 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 D60x90*, D80x100-II*, D80x120*, DD-110*

Thread Form: Vermeer #800

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)	3.625	92.1
Tool Joint ID (in, mm)	1.500	38.1
Rod Length (ft, m)	15	4.918

Weights	U.S.	Metric
Rod (lb per rod, kg per rod)	238	99.8

Performance	U.S.	Metric
Bend Radius**, min. (ft, m)	207	67.9
Bending Ratio**, max. (° per rod)	4.1	
Built Ratio**, max. (% slope per rod)	7.3	
Yield Torque (ft-lb, N-m)	13,270	17,992
Make-up Torque (ft-lb, N-m)	7,962	10,795
Tensile Strength (lb, N)	427,000	1,899,390



*Vermeer, D60x90 & D80x100 are trademarks of Vermeer Manufacturing Company. DD110 is a trademark of American Augers Inc.

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

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