

Tubing Data & Performance Sheet

2-7/8" 7.90# P-110 2-7/8" PH-6 Type w/ HB

TUBE BODY DATA

Tube OD	2.875 in.
Wall Thickness	0.276 in.
Tube ID	2.323 in.
Tensile Yield Strength	194,100 lbs. (API Premium 80% Inspection Class)
Torsional Yield Strength	11,000 ft-lbs. (API Premium 80% Inspection Class)
Tube Burst	16,900 psi. (API Premium 80% Inspection Class)
Tube Collapse	16,100 psi. (API Premium 80% Inspection Class)

TUBULAR ASSEMBLY

Approximate Length	30 ft.
Nominal Weight	7.90 lbs./ft.
Material Grade	110,000 psi.
Drift Diameter	2.229 in.
Displacement	0.1171 gal./ft. 0.0028 bbls./ft.
Capacity	0.2202 gal./ft. 0.0052 bbls./ft.
Compression Yield Strength	247,900 lbs.
Max Bending	175.0 degrees/100 ft.

CONNECTION DATA

Connection	PH-6 Type
Connection OD	3.438 in.
Connection ID	2.265 in.
Threads per inch	6
Make-Up Loss	3.040 in.

MAKE-UP TORQUE

Make-Up Torque - Minimum	3,500 ft-lbs.
Make-Up Torque - Optimum	4,000 ft-lbs.
Make-Up Torque Maximum	4,400 ft-lbs.

CONNECTION PERFORMANCE

Connection Torsional Strength	Not Reported
Connection Tensile Strength	247,900 lbs.
External Pressure Capacity	19,100 psi.
Internal Pressure Capacity	18,500 psi.

FEATURES

Hardbanding	Casing Friendly; Pin x Box
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Notes:

- Referenced tube size, wall and assembly length are nominal, unless indicated otherwise. Values shown may vary with actual values due to OEM tolerances, rounding and other factors. Tubing is manufactured to API 5CT 87-1/2% RBW and inspected to minimum Premium Class (80% RBW).
- Maximum make-up torque is that value above which there is no additional benefit, or reason to exceed. It is not meant to indicate the maximum torque the connection can withstand.

The technical information contained herein, including the product performance sheet and other attached documents, has been extracted from information available from the manufacturer and is for reference only and not a recommendation. The user is fully responsible for the accuracy and suitability of use of the technical information. Patterson Services, Inc. cannot assume responsibility for the results obtained through the use of this material. No expressed or implied warranty is intended. Tubular assembly properties are calculated based on uniform OD and wall thickness. No safety factor is applied. Weight, displacement, and capacity are approximate and can vary by ± 10% (or more) depending on OD, specified wall, wall tolerance, and internal coating options. It is the responsibility of the customer and the end user to determine the appropriate performance ratings, acceptable use of the product, maintain safe operational practices, and to apply a prudent safety factor suitable for the application.