

Tubing Data & Performance Sheet

2-3/8" 4.70# P-110 2-3/8" EUE 8RD

TUBE BODY DATA

Tube OD	2.375 in.
Wall Thickness	0.190 in.
Tube ID	1.995 in.
Tensile Yield Strength	112,800 lbs. (API Premium 80% Inspection Class)
Torsional Yield Strength	5,500 ft-lbs. (API Premium 80% Inspection Class)
Tube Burst	14,100 psi. (API Premium 80% Inspection Class)
Tube Collapse	11,300 psi. (API Premium 80% Inspection Class)

TUBULAR ASSEMBLY

Approximate Length	30 ft.
Nominal Weight	4.70 lbs./ft.
Material Grade	110,000 psi.
Drift Diameter	1.901 in.
Displacement	0.0678 gal./ft. 0.0016 bbls./ft.
Capacity	0.1624 gal./ft. 0.0039 bbls./ft.
Compression Yield Strength	Not Reported
Max Bending	Not Reported

CONNECTION DATA

Connection	EUE 8RD
Connection OD	3.063 in.
Connection ID	1.995 in.
Threads per inch	8
Make-Up Loss	N/A

MAKE-UP TORQUE

Make-Up Torque - Minimum	1,785 ft-lbs.
Make-Up Torque - Optimum	2,380 ft-lbs.
Make-Up Torque Maximum	2,975 ft-lbs.

FEATURES

Hardbanding	None
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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.