

Heavy Weight Data & Performance

4.500" Plain R2 Double Shoulder DS-42

TUBE BODY DATA

Tube OD	4.500 in.
Wall Thickness	0.875 in.
Tube ID	2.750 in.
Tensile Yield Strength	548,060 lbs. (New, Based On Nominal Dimensions)
Torsional Yield Strength	40,718 ft./lbs. (New, Based On Nominal Dimensions)
Tube Burst	18,715 psi. (87.5% of New Nominal Wall Thickness)
Tube Collapse	17,230 psi. (New, Based On Nominal Dimensions)
Center Wear Pad OD	5.000 in.
Upset OD	4.625 in.
Tube SMYS	55 KSI

CONNECTION DATA

Connection	DS-42
Connection OD	5.313 in.
Connection ID	2.813 in.
Tool Joint SMYS	130 KSI

Item No. : HWP412DS42

Notes:

- ¹ Maximum Make Up Torque based on 63% of Connection Torsional Yield including the use of a 1.15 (FF) Friction Factor Thread Compound.
- ² Tube Body Weaker Than Connection in Tension.
- ³ Tube Body Weaker Than Connection in Torsion.

CONNECTION PERFORMANCE

¹ Make Up Torque (Max.)	30,000 ft./lbs.
² Connection Tensile Yield (@ Max. M/U TQ)	551,900 lbs.
³ Connection Torsional Yield	41,570 ft./lbs.

ENGINEERING DATA

Drift Diameter	2.500 in.
Adj. Weight Per Foot	38.67 lbs./ft.
Approx. Weight Per Joint	1,160 lbs.
Displacement	0.0137 bbls./ft.
Capacity	0.0074 bbls./ft.

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