

HYDRA 7in. x 26 lb/ft J-55 Flush Joint



Pipe Body

Nominal OD	7.000	inches
Nominal Weight	26.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	25.69	lb/ft
Standard Drift	6.151	inches
Nominal ID	6.276	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	7.549	in ²
Pipe Body Yield Strength	415	kips
Min Internal Yield Pressure	4,980	psi
Collapse Pressure	4,330	psi

Connection

Connection OD	7.000	inches
Make Up Loss	3.950	inches
Critical Section Area	4.529	in ²
Internal Pressure Rating	3,980	psi
External Pressure Rating	4,330	psi
Tension Efficiency	60%	
Connection Strength	249	kips
Compression Efficiency	249	kips
Uniaxial Bend Rating	22	° / 100 ft
Reference Depth	6,462	Ft.
Optimal Make Up Torque	6,275	ft-lbs
Min	4,963	ft-lbs
Max	7,588	ft-lbs

v1.0

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.

Torque Data Sheet - HYDRA

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Min Make Up Torque	4,963	ft-lbs
Max Make Up Torque	7,588	ft-lbs
Optimum Torque	6,275	ft-lbs

Nom Shoulder Torque	1,200	ft-lbs
Max Operating	12,000	ft-lbs
Yield	15,000	ft-lbs

