

HYDRA 4in. x 11.6 lb/ft J-55 Flush Joint



Pipe Body

Nominal OD	4.000	inches
Nominal Weight	11.60	lb/ft
Wall Thickness	0.286	inches
Plain End Weight	11.36	lb/ft
Standard Drift	3.303	inches
Nominal ID	3.428	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	3.337	in ²
Pipe Body Yield Strength	184	kips
Min Internal Yield Pressure	6,880	psi
Collapse Pressure	7,300	psi

Connection

Connection OD	4.000	inches
Make Up Loss	4.088	inches
Critical Section Area	2.002	in ²
Internal Pressure Rating	5,510	psi
External Pressure Rating	7,300	psi
Tension Efficiency	60%	
Connection Strength	110	kips
Compression Efficiency	110	kips
Uniaxial Bend Rating	40	° / 100 ft
Reference Depth	6,479	Ft.
Optimal Make Up Torque	1,838	ft-lbs
Min	1,525	ft-lbs
Max	2,138	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

HYDRA 4in. x 11.6 lb/ft J-55 Flush Joint

Min Make Up Torque	1,525	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	2,138	ft-lbs	Max Operating	2,625	ft-lbs
Optimum Torque	1,838	ft-lbs	Yield	3,700	ft-lbs

