



HYDRA 7.625in. x 39 lb/ft J-55 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	39.00	lb/ft
Wall Thickness	0.500	inches
Plain End Weight	38.08	lb/ft
Standard Drift	6.500	inches
Nominal ID	6.625	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	11.192	in ²
Pipe Body Yield Strength	616	kips
Min Internal Yield Pressure	6,310	psi
Collapse Pressure	6,610	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.720	inches
Critical Section Area	6.715	in ²
Internal Pressure Rating	5,050	psi
External Pressure Rating	6,610	psi
Tension Efficiency	60%	
Connection Strength	370	kips
Compression Efficiency	370	kips
Uniaxial Bend Rating	21	° / 100 ft
Reference Depth	6,471	Ft.
Optimal Make Up Torque	10,775	ft-lbs 
Min	8,588	ft-lbs 
Max	12,963	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	8,588	ft-lbs	Nom Shoulder Torque	1,620	ft-lbs
Max Make Up Torque	12,963	ft-lbs	Max Operating	20,075	ft-lbs
Optimum Torque	10,775	ft-lbs	Yield	25,100	ft-lbs

