

HYDRA 7.625in. x 29.7 lb/ft J-55 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	29.70	lb/ft
Wall Thickness	0.375	inches
Plain End Weight	29.06	lb/ft
Standard Drift	6.750	inches
Nominal ID	6.875	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	8.541	in ²
Pipe Body Yield Strength	470	kips
Min Internal Yield Pressure	4,730	psi
Collapse Pressure	3,910	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.230	inches
Critical Section Area	5.125	in ²
Internal Pressure Rating	3,790	psi
External Pressure Rating	3,910	psi
Tension Efficiency	60%	
Connection Strength	282	kips
Compression Efficiency	282	kips
Uniaxial Bend Rating	21	° / 100 ft
Reference Depth	6,469	Ft.
Optimal Make Up Torque	7,400	ft-lbs
Min	5,875	ft-lbs
Max	8,938	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	5,875	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	8,938	ft-lbs	Max Operating	14,150	ft-lbs
Optimum Torque	7,400	ft-lbs	Yield	17,700	ft-lbs

