

HYDRA 7.625in. x 29.7 lb/ft L-80 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	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	8.541	in ²
Pipe Body Yield Strength	683	kips
Min Internal Yield Pressure	6,890	psi
Collapse Pressure	4,790	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.230	inches
Critical Section Area	5.125	in ²
Internal Pressure Rating	5,510	psi
External Pressure Rating	4,790	psi
Tension Efficiency	60%	
Connection Strength	410	kips
Compression Efficiency	410	kips
Uniaxial Bend Rating	30	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	10,764	ft-lbs 
Min	8,545	ft-lbs 
Max	13,000	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	8,545	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	13,000	ft-lbs	Max Operating	20,582	ft-lbs
Optimum Torque	10,764	ft-lbs	Yield	25,745	ft-lbs

