



HYDRA 7.625in. x 33.7 lb/ft L-80 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	33.70	lb/ft
Wall Thickness	0.430	inches
Plain End Weight	33.07	lb/ft
Standard Drift	6.640	inches
Nominal ID	6.765	inches
Grade	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	9.720	in ²
Pipe Body Yield Strength	778	kips
Min Internal Yield Pressure	7,900	psi
Collapse Pressure	6,560	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.450	inches
Critical Section Area	5.832	in ²
Internal Pressure Rating	6,320	psi
External Pressure Rating	6,560	psi
Tension Efficiency	60%	
Connection Strength	467	kips
Compression Efficiency	467	kips
Uniaxial Bend Rating	30	° / 100 ft
Reference Depth	9,410	Ft.
Optimal Make Up Torque	12,909	ft-lbs 
Min	10,255	ft-lbs 
Max	15,564	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	10,255	ft-lbs	Nom Shoulder Torque	1,260	ft-lbs
Max Make Up Torque	15,564	ft-lbs	Max Operating	24,436	ft-lbs
Optimum Torque	12,909	ft-lbs	Yield	30,545	ft-lbs

