



HYDRA 7.625in. x 39 lb/ft L-80 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	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	11.192	in ²
Pipe Body Yield Strength	895	kips
Min Internal Yield Pressure	9,180	psi
Collapse Pressure	8,820	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.720	inches
Critical Section Area	6.715	in ²
Internal Pressure Rating	7,340	psi
External Pressure Rating	8,820	psi
Tension Efficiency	60%	
Connection Strength	537	kips
Compression Efficiency	537	kips
Uniaxial Bend Rating	30	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	15,673	ft-lbs 
Min	12,491	ft-lbs 
Max	18,855	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	12,491	ft-lbs	Nom Shoulder Torque	1,620	ft-lbs
Max Make Up Torque	18,855	ft-lbs	Max Operating	29,200	ft-lbs
Optimum Torque	15,673	ft-lbs	Yield	36,509	ft-lbs

