

HYDRA 8.625in. x 32 lb/ft L-80 Flush Joint



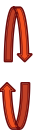
HYDRA

Pipe Body

Nominal OD	8.625	inches
Nominal Weight	32.00	lb/ft
Wall Thickness	0.352	inches
Plain End Weight	31.13	lb/ft
Standard Drift	7.875	inches
Nominal ID	7.921	inches
Grade	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	9.149	in ²
Pipe Body Yield Strength	732	kips
Min Internal Yield Pressure	5,710	psi
Collapse Pressure	3,050	psi

Connection

Connection OD	8.625	inches
Make Up Loss	4.230	inches
Critical Section Area	5.489	in ²
Internal Pressure Rating	4,570	psi
External Pressure Rating	3,050	psi
Tension Efficiency	60%	
Connection Strength	439	kips
Compression Efficiency	439	kips
Uniaxial Bend Rating	26	° / 100 ft
Reference Depth	9,406	Ft.
Optimal Make Up Torque	12,945	ft-lbs
Min	10,364	ft-lbs
Max	15,527	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	10,365	ft-lbs	Nom Shoulder Torque	1,050	ft-lbs
Max Make Up Torque	15,525	ft-lbs	Max Operating	25,455	ft-lbs
Optimum Torque	12,945	ft-lbs	Yield	29,890	ft-lbs

