

HYDRA 7.625in. x 29.7 lb/ft P-110 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	P-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	8.541	in ²
Pipe Body Yield Strength	940	kips
Min Internal Yield Pressure	9,470	psi
Collapse Pressure	5,350	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.230	inches
Critical Section Area	5.125	in ²
Internal Pressure Rating	7,570	psi
External Pressure Rating	5,350	psi
Tension Efficiency	60%	
Connection Strength	564	kips
Compression Efficiency	564	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	12,939	Ft.
Optimal Make Up Torque	14,800	ft-lbs
Min	11,750	ft-lbs
Max	17,875	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	11,750	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	17,875	ft-lbs	Max Operating	28,300	ft-lbs
Optimum Torque	14,800	ft-lbs	Yield	35,400	ft-lbs

