

HYDRA-XL 7.625in. x 29.7 lb/ft P110 EB Flush Joint

Pipe Body

Nominal OD	7.625	inches
Nominal Weight	29.70	lb/ft
Wall Thickness	0.375	inches
Plain End Weight	29.04	lb/ft
Standard Drift	6.750	inches
Nominal ID	6.875	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Max Yield	140,000	lb/in ²
Min Tensile	135,000	lb/in ²
Critical Section Area	8.541	in ²
Pipe Body Yield Strength	1068	kips
Min Internal Yield Pressure	10,760	psi
Collapse Pressure	7,360	psi

Connection

Connection OD	7.625	inches
Make Up Loss	5.011	inches
Critical Section Area	5.979	in ²
Internal Pressure Rating	8,610	psi
External Pressure Rating	7,360	psi
Tension Efficiency	70%	
Connection Strength	748	kips
Compression Efficiency	748	kips
Uniaxial Bend Rating	46	° / 100 ft
Reference Depth	17,163	Ft.
Optimal Make Up Torque	9,000	ft-lbs
Min	7,600	ft-lbs
Max Operating	22,800	ft-lbs

v3.0

8/14/2019

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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-XL

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Min Make Up Torque	7,600	ft-lbs
Max Make Up Torque	18,000	ft-lbs
Optimum Torque	9,000	ft-lbs

Nom Shoulder Torque	1,500	ft-lbs
Max Operating	22,800	ft-lbs

