

HYDRA 7in. x 23 lb/ft P110 EB Flush Joint



Pipe Body

Nominal OD	7.000	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.317	inches
Plain End Weight	22.65	lb/ft
Standard Drift	6.250	inches
Nominal ID	6.366	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	6.655	in ²
Pipe Body Yield Strength	832	kips
Min Internal Yield Pressure	9,910	psi
Collapse Pressure	5,470	psi

Connection

Connection OD	7.000	inches
Make Up Loss	3.780	inches
Critical Section Area	3.993	in ²
Internal Pressure Rating	7,930	psi
External Pressure Rating	5,470	psi
Tension Efficiency	60%	
Connection Strength	499	kips
Compression Efficiency	499	kips
Uniaxial Bend Rating	51	° / 100 ft
Reference Depth	14,693	Ft.
Optimal Make Up Torque	11,960	ft-lbs
Min	9,432	ft-lbs
Max	14,460	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	9,432	ft-lbs	Nom Shoulder Torque	670	ft-lbs
Max Make Up Torque	14,460	ft-lbs	Max Operating	23,068	ft-lbs
Optimum Torque	11,960	ft-lbs	Yield	28,864	ft-lbs

