

HYDRA 6in. x 24 lb/ft P110 EB Flush Joint





HYDRA

Pipe Body

Nominal OD	6.000	inches
Nominal Weight	24.00	lb/ft
Wall Thickness	0.400	inches
Plain End Weight	23.92	lb/ft
Standard Drift	5.075	inches
Nominal ID	5.200	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	135,000	lb/in ²
Critical Section Area	7.037	in ²
Pipe Body Yield Strength	880	kips
Min Internal Yield Pressure	14,580	psi
Collapse Pressure	12,530	psi

Connection

Connection OD	6.000	inches
Make Up Loss	4.230	inches
Critical Section Area	4.222	in ²
Internal Pressure Rating	11,670	psi
External Pressure Rating	12,530	psi
Tension Efficiency	60%	
Connection Strength	528	kips
Compression Efficiency	528	kips
Uniaxial Bend Rating	60	° / 100 ft
Reference Depth	14,716	Ft.
Optimal Make Up Torque	11,950	ft-lbs 
Min	9,600	ft-lbs 
Max	14,300	ft-lbs

v1.0

10/2/2019

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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

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Min Make Up Torque	9,600	ft-lbs
Max Make Up Torque	14,300	ft-lbs
Optimum Torque	11,950	ft-lbs

Nom Shoulder Torque	1,010	ft-lbs
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