



HYDRA 7in. x 26 lb/ft P110 EB Flush Joint



Pipe Body

Nominal OD	7.000	inches
Nominal Weight	26.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	25.69	lb/ft
Standard Drift	6.151	inches
Nominal ID	6.276	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	7.549	in ²
Pipe Body Yield Strength	944	kips
Min Internal Yield Pressure	11,310	psi
Collapse Pressure	0	psi

Connection

Connection OD	7.000	inches
Make Up Loss	3.950	inches
Critical Section Area	4.529	in ²
Internal Pressure Rating	9,050	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	566	kips
Compression Efficiency	566	kips
Uniaxial Bend Rating	51	° / 100 ft
Reference Depth	14,698	Ft.
Optimal Make Up Torque	14,261	ft-lbs 
Min	11,278	ft-lbs 
Max	17,244	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

HYDRA 7in. x 26 lb/ft P110 EB Flush Joint

Min Make Up Torque	11,278	ft-lbs	Nom Shoulder Torque	1,200	ft-lbs
Max Make Up Torque	17,244	ft-lbs	Max Operating	27,273	ft-lbs
Optimum Torque	14,261	ft-lbs	Yield	34,091	ft-lbs

