

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



HYDRA

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	7,540	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	7,540	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

