



HYDRA 7in. x 26 lb/ft CYP-110 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	CYP-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	7.549	in ²
Pipe Body Yield Strength	830	kips
Min Internal Yield Pressure	9,960	psi
Collapse Pressure	6,230	psi

Connection

Connection OD	7.000	inches
Make Up Loss	3.950	inches
Critical Section Area	4.529	in ²
Internal Pressure Rating	7,960	psi
External Pressure Rating	6,230	psi
Tension Efficiency	60%	
Connection Strength	498	kips
Compression Efficiency	498	kips
Uniaxial Bend Rating	45	° / 100 ft
Reference Depth	12,923	Ft.
Optimal Make Up Torque	12,550	ft-lbs 
Min	9,925	ft-lbs 
Max	15,175	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 CYP-110 Flush Joint

Min Make Up Torque	9,925	ft-lbs	Nom Shoulder Torque	1,200	ft-lbs
Max Make Up Torque	15,175	ft-lbs	Max Operating	24,000	ft-lbs
Optimum Torque	12,550	ft-lbs	Yield	30,000	ft-lbs

