



HYDRA 6in. x 24 lb/ft CYP-110 Flush Joint



Pipe Body

Nominal OD	6.000	inches
Nominal Weight	24.00	lb/ft
Wall Thickness	0.400	inches
Plain End Weight	23.95	lb/ft
Standard Drift	5.075	inches
Nominal ID	5.200	inches
Grade	CYP-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	7.037	in ²
Pipe Body Yield Strength	774	kips
Min Internal Yield Pressure	12,830	psi
Collapse Pressure	11,460	psi

Connection

Connection OD	6.000	inches
Make Up Loss	4.230	inches
Critical Section Area	4.222	in ²
Internal Pressure Rating	10,270	psi
External Pressure Rating	11,460	psi
Tension Efficiency	60%	
Connection Strength	464	kips
Compression Efficiency	464	kips
Uniaxial Bend Rating	53	° / 100 ft
Reference Depth	12,927	Ft.
Optimal Make Up Torque	10,825	ft-lbs 
Min	8,750	ft-lbs 
Max	12,900	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	8,750	ft-lbs	Nom Shoulder Torque	1,010	ft-lbs
Max Make Up Torque	12,900	ft-lbs	Max Operating	22,700	ft-lbs
Optimum Torque	10,825	ft-lbs	Yield	28,400	ft-lbs

