



HYDRA 7.625in. x 33.7 lb/ft CYP-110 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	33.70	lb/ft
Wall Thickness	0.430	inches
Plain End Weight	33.07	lb/ft
Standard Drift	6.640	inches
Nominal ID	6.765	inches
Grade	CYP-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	9.720	in ²
Pipe Body Yield Strength	1069	kips
Min Internal Yield Pressure	10,860	psi
Collapse Pressure	7,870	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.450	inches
Critical Section Area	5.832	in ²
Internal Pressure Rating	8,680	psi
External Pressure Rating	7,870	psi
Tension Efficiency	60%	
Connection Strength	641	kips
Compression Efficiency	641	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	12,930	Ft.
Optimal Make Up Torque	17,750	ft-lbs 
Min	14,100	ft-lbs 
Max	21,400	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	14,100	ft-lbs	Nom Shoulder Torque	1,260	ft-lbs
Max Make Up Torque	21,400	ft-lbs	Max Operating	33,600	ft-lbs
Optimum Torque	17,750	ft-lbs	Yield	42,000	ft-lbs

