

HYDRA 5.5in. x 15.5 lb/ft CYP-110 Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	15.50	lb/ft
Wall Thickness	0.275	inches
Plain End Weight	15.36	lb/ft
Standard Drift	4.825	inches
Nominal ID	4.950	inches
Grade	CYP-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	4.514	in ²
Pipe Body Yield Strength	497	kips
Min Internal Yield Pressure	9,630	psi
Collapse Pressure	5,630	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.225	inches
Critical Section Area	2.708	in ²
Internal Pressure Rating	7,700	psi
External Pressure Rating	5,630	psi
Tension Efficiency	60%	
Connection Strength	298	kips
Compression Efficiency	298	kips
Uniaxial Bend Rating	57	° / 100 ft
Reference Depth	12,943	Ft.
Optimal Make Up Torque	5,675	ft-lbs
Min	4,600	ft-lbs
Max	6,750	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	4,600	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	6,750	ft-lbs	Max Operating	8,000	ft-lbs
Optimum Torque	5,675	ft-lbs	Yield	14,900	ft-lbs

