

HYDRA 4.5in. x 15.1 lb/ft CYP-110 Flush Joint

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Pipe Body			Connection	HYD	KA
Nominal OD	4.500	inches	Connection OD	4.500	inches
Nominal Weight	15.10	lb/ft	Make Up Loss	4.488	inches
Wall Thickness	0.337	inches	Critical Section Area	2.644	in²
Plain End Weight	15.00	lb/ft	Internal Pressure Rating	11,530	psi
Standard Drift	3.701	inches	External Pressure Rating	14,340	psi
Nominal ID	3.826	inches	Tension Efficiency	60%	
Grade	CYP-110		Connection Strength	291	kips
Min Yield	110,000	lbf/in²	Compression Efficiency	291	kips
Min Tensile	125,000	lbf/in²	Uniaxial Bend Rating	71	° / 100 ft
Critical Section Area	4.407	in²	Reference Depth	12,933	Ft.
Pipe Body Yield Strength	485	kips	Optimal Make Up Torque	5,675	ft-lbs 🚺
Min Internal Yield Pressure	14,420	psi	Min	4,725	ft-lbs 🚺
Collapse Pressure	14,340	psi	Max	6,600 v1.0	ft-lbs 12/12/2019

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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, bouyancy or other load considerations.

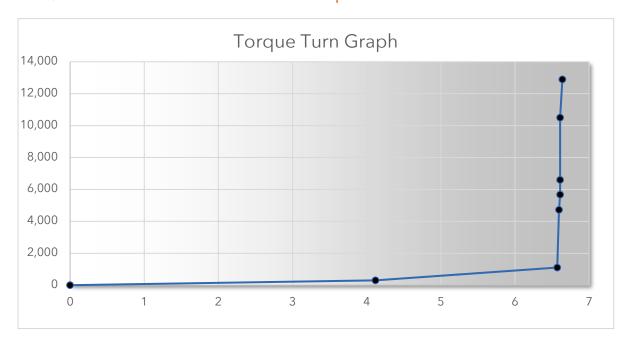




Torque Data Sheet - HYDRA

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Min Make Up Torque	4,725	ft-lbs	Nom Shoulder Torque	1,100	ft-lbs
Max Make Up Torque	6,600	ft-lbs	Max Operating	10,500	ft-lbs
Optimum Torque	5,675	ft-lbs	Yield	12,900	ft-lbs



12/12/2019