

HYDRA 4.5in. x 11.6 lb/ft P110 EB Flush Joint

HYDRA

Pipe Body		Connection		HYDRA	
Nominal OD	4.500	inches	Connection OD	4.500	inches
Nominal Weight	11.60	lb/ft	Make Up Loss	4.038	inches
Wall Thickness	0.250	inches	Critical Section Area	2.003	in²
Plain End Weight	11.36	lb/ft	Internal Pressure Rating	9,720	psi
Standard Drift	3.875	inches	External Pressure Rating	0	psi
Nominal ID	4.000	inches	Tension Efficiency	60%	
Grade	P110 EB		Connection Strength	250	kips
Min Yield	125,000	lbf/in²	Compression Efficiency	250	kips
Min Tensile	130,000	lbf/in²	Uniaxial Bend Rating	79	° / 100 ft
Critical Section Area	3.338	in²	Reference Depth	14,683	Ft.
Pipe Body Yield Strength	417	kips	Optimal Make Up Torque	4,205	ft-lbs 🚺
Min Internal Yield Pressure	12,150	psi	Min	3,494	ft-lbs 🚺
Collapse Pressure	0	psi	Max	4,915	ft-lbs
				V 1.U	12/12/2017

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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.

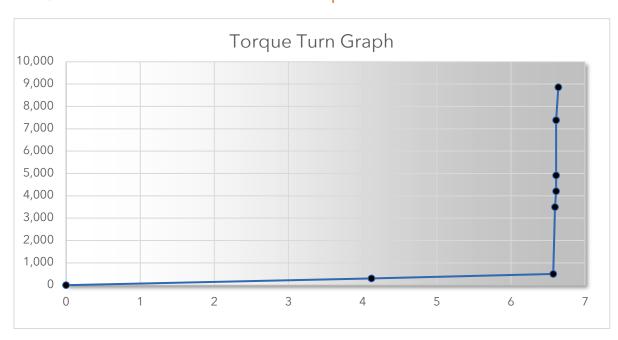




Torque Data Sheet - HYDRA

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Min Make Up Torque	3,494	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	4,915	ft-lbs	Max Operating	7,386	ft-lbs
Optimum Torque	4,205	ft-lbs	Yield	8,864	ft-lbs



12/12/2019