

## HYDRA 7in. x 32 lb/ft HC-P110 Flush Joint

## HYDRA

Pipe Body		
Nominal OD	7.000	inches
Nominal Weight	32.00	lb/ft
Wall Thickness	0.453	inches
Plain End Weight	31.70	lb/ft
Standard Drift	6.000	inches
Nominal ID	6.094	inches
Grade	HC-P110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	9.317	in²
Pipe Body Yield Strength	1025	kips
Min Internal Yield Pressure	12,460	psi
Collapse Pressure	12,400	psi

Connection		
Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in²
Internal Pressure Rating	9,970	psi
External Pressure Rating	12,400	psi
Tension Efficiency	60%	
Connection Strength	615	kips
Compression Efficiency	615	kips
<b>Uniaxial Bend Rating</b>	45	° / 100 ft
Reference Depth	12,934	Ft.
Optimal Make Up Torque	16,625	ft-lbs
Min	13,200	ft-lbs
Max	20,050	ft-lbs
	v1.0	2/5/2020

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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.

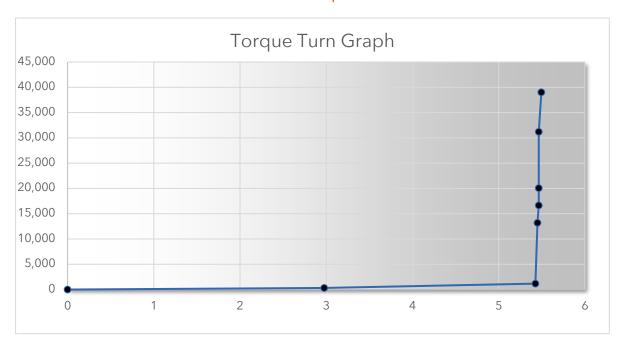




## Torque Data Sheet - HYDRA

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Min Make Up Torque	13,200	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	20,050	ft-lbs	Max Operating	31,200	ft-lbs
Optimum Torque	16,625	ft-lbs	Yield	39,000	ft-lbs



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