

HYDRA 7in. x 29 lb/ft L-80 Flush Joint

HYDRA

Pipe Body		Connection		HYDRA	
Nominal OD	7.000	inches	Connection OD	7.000	inches
Nominal Weight	29.00	lb/ft	Make Up Loss	4.140	inches
Wall Thickness	0.408	inches	Critical Section Area	5.070	in²
Plain End Weight	28.75	lb/ft	Internal Pressure Rating	6,530	psi
Standard Drift	6.125	inches	External Pressure Rating	7,030	psi
Nominal ID	6.184	inches	Tension Efficiency	60%	
Grade	L-80		Connection Strength	406	kips
Min Yield	80,000	lbf/in²	Compression Efficiency	406	kips
Min Tensile	95,000	lbf/in²	Uniaxial Bend Rating	33	° / 100 ft
Critical Section Area	8.449	in²	Reference Depth	9,405	Ft.
Pipe Body Yield Strength	676	kips	Optimal Make Up Torque	10,618	ft-lbs 👖
Min Internal Yield Pressure	8,160	psi	Min	8,418	ft-lbs 🚺
Collapse Pressure	7,030	psi	Max	12,836 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.

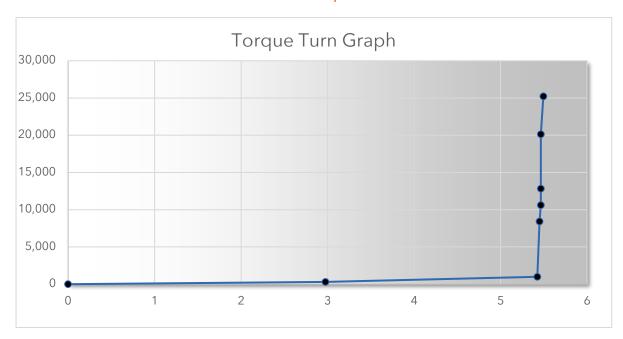




Torque Data Sheet - HYDRA

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Min Make Up Torque	8,418	ft-lbs	Nom Shoulder Torque	990	ft-lbs
Max Make Up Torque	12,836	ft-lbs	Max Operating	20,145	ft-lbs
Optimum Torque	10,618	ft-lbs	Yield	25,236	ft-lbs



12/12/2019