

HYDRA 7.625in. x 29.7 lb/ft HC-L80 Flush Joint

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HYDRA

Pipe Body			Connection	HYD	KA-
Nominal OD	7.625	inches	Connection OD	7.625	inches
Nominal Weight	29.70	lb/ft	Make Up Loss	4.230	inches
Wall Thickness	0.375	inches	Critical Section Area	5.125	in²
Plain End Weight	29.06	lb/ft	Internal Pressure Rating	5,510	psi
Standard Drift	6.750	inches	External Pressure Rating	5,780	psi
Nominal ID	6.875	inches	Tension Efficiency	60%	
Grade	HC-L80		Connection Strength	410	kips
Min Yield	80,000	lbf/in²	Compression Efficiency	410	kips
Min Tensile	95,000	lbf/in²	Uniaxial Bend Rating	30	° / 100 ft
Critical Section Area	8.541	in²	Reference Depth	9,401	Ft.
Pipe Body Yield Strength	683	kips	Optimal Make Up Torque	10,764	ft-lbs 🚺
Min Internal Yield Pressure	6,890	psi	Min	8,545	ft-lbs 🚺
Collapse Pressure	5,780	psi	Max	13,000	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.

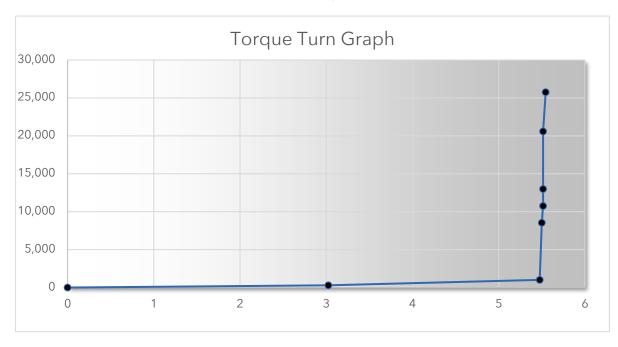




Torque Data Sheet - HYDRA

HYDRA 7.625in. x 29.7 lb/ft HC-L80 Flush Joint

Min Make Up Torque	8,545	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	13,000	ft-lbs	Max Operating	20,582	ft-lbs
Optimum Torque	10,764	ft-lbs	Yield	25,745	ft-lbs



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