

HYDRA 7in. x 29 lb/ft HC-L80 Flush Joint



HYDRA

Pipe Body

Nominal OD	7.000	inches
Nominal Weight	29.00	lb/ft
Wall Thickness	0.408	inches
Plain End Weight	28.75	lb/ft
Standard Drift	6.125	inches
Nominal ID	6.184	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	8.449	in ²
Pipe Body Yield Strength	676	kips
Min Internal Yield Pressure	8,160	psi
Collapse Pressure	8,080	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.140	inches
Critical Section Area	5.070	in ²
Internal Pressure Rating	6,530	psi
External Pressure Rating	8,080	psi
Tension Efficiency	60%	
Connection Strength	406	kips
Compression Efficiency	406	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,405	Ft.
Optimal Make Up Torque	10,618	ft-lbs
Min	8,418	ft-lbs
Max	12,836	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, buoyancy 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

