

HYDRA 4in. x 11.6 lb/ft HC-L80 Flush Joint



HYDRA

Pipe Body

Nominal OD	4.000	inches
Nominal Weight	11.60	lb/ft
Wall Thickness	0.286	inches
Plain End Weight	11.36	lb/ft
Standard Drift	3.303	inches
Nominal ID	3.428	inches
Grade	HC-L80	
Min Yield	80,000	lbf/in ²
Min Tensile	95,000	lbf/in ²
Critical Section Area	3.337	in ²
Pipe Body Yield Strength	267	kips
Min Internal Yield Pressure	10,010	psi
Collapse Pressure	11,810	psi

Connection

Connection OD	4.000	inches
Make Up Loss	4.088	inches
Critical Section Area	2.002	in ²
Internal Pressure Rating	8,010	psi
External Pressure Rating	11,810	psi
Tension Efficiency	60%	
Connection Strength	160	kips
Compression Efficiency	160	kips
Uniaxial Bend Rating	58	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	2,673	ft-lbs
Min	2,218	ft-lbs
Max	3,109	ft-lbs

v1.0

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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

HYDRA 4in. x 11.6 lb/ft HC-L80 Flush Joint

Min Make Up Torque	2,218	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	3,109	ft-lbs	Max Operating	3,818	ft-lbs
Optimum Torque	2,673	ft-lbs	Yield	5,382	ft-lbs

