



HYDRA 7.625in. x 33.7 lb/ft HC-L80 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	33.70	lb/ft
Wall Thickness	0.430	inches
Plain End Weight	33.07	lb/ft
Standard Drift	6.640	inches
Nominal ID	6.765	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	9.720	in ²
Pipe Body Yield Strength	778	kips
Min Internal Yield Pressure	7,900	psi
Collapse Pressure	0	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.450	inches
Critical Section Area	5.832	in ²
Internal Pressure Rating	6,320	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	467	kips
Compression Efficiency	467	kips
Uniaxial Bend Rating	30	° / 100 ft
Reference Depth	9,410	Ft.
Optimal Make Up Torque	12,909	ft-lbs 
Min	10,255	ft-lbs 
Max	15,564	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

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Min Make Up Torque	10,255	ft-lbs	Nom Shoulder Torque	1,260	ft-lbs
Max Make Up Torque	15,564	ft-lbs	Max Operating	24,436	ft-lbs
Optimum Torque	12,909	ft-lbs	Yield	30,545	ft-lbs

