



HYDRA 6in. x 24 lb/ft HC-L80 Flush Joint



Pipe Body

Nominal OD	6.000	inches
Nominal Weight	24.00	lb/ft
Wall Thickness	0.400	inches
Plain End Weight	23.95	lb/ft
Standard Drift	5.075	inches
Nominal ID	5.200	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	7.037	in ²
Pipe Body Yield Strength	563	kips
Min Internal Yield Pressure	9,330	psi
Collapse Pressure	0	psi

Connection

Connection OD	6.000	inches
Make Up Loss	4.230	inches
Critical Section Area	4.222	in ²
Internal Pressure Rating	7,470	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	338	kips
Compression Efficiency	338	kips
Uniaxial Bend Rating	38	° / 100 ft
Reference Depth	9,403	Ft.
Optimal Make Up Torque	7,873	ft-lbs 
Min	6,364	ft-lbs 
Max	9,382	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	6,364	ft-lbs	Nom Shoulder Torque	1,010	ft-lbs
Max Make Up Torque	9,382	ft-lbs	Max Operating	16,509	ft-lbs
Optimum Torque	7,873	ft-lbs	Yield	20,655	ft-lbs

