



HYDRA 6in. x 24 lb/ft L-80 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	L-80	
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	9,080	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	9,080	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
Max Make Up Torque	9,382	ft-lbs
Optimum Torque	7,873	ft-lbs

Nom Shoulder Torque	1,010	ft-lbs
Max Operating	16,509	ft-lbs
Yield	20,655	ft-lbs

