

## HYDRA 7in. x 26 lb/ft HC-L80 Flush Joint



**HYDRA**

### Pipe Body

Nominal OD	7.000	inches
Nominal Weight	26.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	25.69	lb/ft
Standard Drift	6.151	inches
Nominal ID	6.276	inches
Grade	HC-L80	
Min Yield	80,000	lb/in <sup>2</sup>
Min Tensile	95,000	lb/in <sup>2</sup>
Critical Section Area	7.549	in <sup>2</sup>
Pipe Body Yield Strength	604	kips
Min Internal Yield Pressure	7,240	psi
Collapse Pressure	6,370	psi

### Connection

Connection OD	7.000	inches
Make Up Loss	3.950	inches
Critical Section Area	4.529	in <sup>2</sup>
Internal Pressure Rating	5,790	psi
External Pressure Rating	6,370	psi
Tension Efficiency	60%	
Connection Strength	362	kips
Compression Efficiency	362	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,404	Ft.
Optimal Make Up Torque	9,127	ft-lbs
Min	7,218	ft-lbs
Max	11,036	ft-lbs



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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 7in. x 26 lb/ft HC-L80 Flush Joint

Min Make Up Torque	7,218	ft-lbs	Nom Shoulder Torque	1,200	ft-lbs
Max Make Up Torque	11,036	ft-lbs	Max Operating	17,455	ft-lbs
Optimum Torque	9,127	ft-lbs	Yield	21,818	ft-lbs

