

## HYDRA 5.5in. x 23 lb/ft L-80 Flush Joint



**HYDRA**

### Pipe Body

Nominal OD	5.500	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.415	inches
Plain End Weight	22.56	lb/ft
Standard Drift	4.545	inches
Nominal ID	4.670	inches
Grade	L-80	
Min Yield	80,000	lb/in <sup>2</sup>
Min Tensile	95,000	lb/in <sup>2</sup>
Critical Section Area	6.630	in <sup>2</sup>
Pipe Body Yield Strength	530	kips
Min Internal Yield Pressure	10,560	psi
Collapse Pressure	11,160	psi

### Connection

Connection OD	5.500	inches
Make Up Loss	5.000	inches
Critical Section Area	3.978	in <sup>2</sup>
Internal Pressure Rating	8,450	psi
External Pressure Rating	11,160	psi
Tension Efficiency	60%	
Connection Strength	318	kips
Compression Efficiency	318	kips
Uniaxial Bend Rating	42	° / 100 ft
Reference Depth	9,397	Ft.
Optimal Make Up Torque	7,636	ft-lbs
Min	4,418	ft-lbs
Max	8,945	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	4,420	ft-lbs	Nom Shoulder Torque	1,500	ft-lbs
Max Make Up Torque	8,945	ft-lbs	Max Operating	14,255	ft-lbs
Optimum Torque	7,635	ft-lbs	Yield	17,890	ft-lbs

