

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



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 ²
Min Tensile	95,000	lb/in ²
Critical Section Area	6.630	in ²
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 ²
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	7,036	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	4,418	ft-lbs	Nom Shoulder Torque	1,500	ft-lbs
Max Make Up Torque	7,036	ft-lbs	Max Operating	14,255	ft-lbs
Optimum Torque	7,636	ft-lbs	Yield	17,891	ft-lbs

