

HYDRA 5.5in. x 17 lb/ft L-80 Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	17.00	lb/ft
Wall Thickness	0.304	inches
Plain End Weight	16.89	lb/ft
Standard Drift	4.767	inches
Nominal ID	4.892	inches
Grade	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	4.962	in ²
Pipe Body Yield Strength	397	kips
Min Internal Yield Pressure	7,740	psi
Collapse Pressure	6,290	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.463	inches
Critical Section Area	2.977	in ²
Internal Pressure Rating	6,190	psi
External Pressure Rating	6,290	psi
Tension Efficiency	60%	
Connection Strength	238	kips
Compression Efficiency	238	kips
Uniaxial Bend Rating	42	° / 100 ft
Reference Depth	9,402	Ft.
Optimal Make Up Torque	4,982	ft-lbs
Min	4,091	ft-lbs
Max	5,855	ft-lbs

v1.0

12/12/2019

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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	4,091	ft-lbs
Max Make Up Torque	5,855	ft-lbs
Optimum Torque	4,982	ft-lbs

Nom Shoulder Torque	500	ft-lbs
Max Operating	9,891	ft-lbs
Yield	12,218	ft-lbs

