

HYDRA 5.5in. x 17 lb/ft HC-L80 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	HC-L80	
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	0	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	0	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

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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	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	5,855	ft-lbs	Max Operating	9,891	ft-lbs
Optimum Torque	4,982	ft-lbs	Yield	12,218	ft-lbs

