

HYDRA 5.5in. x 15.5 lb/ft HC-L80 Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	15.50	lb/ft
Wall Thickness	0.275	inches
Plain End Weight	15.36	lb/ft
Standard Drift	4.825	inches
Nominal ID	4.950	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	4.514	in ²
Pipe Body Yield Strength	361	kips
Min Internal Yield Pressure	7,000	psi
Collapse Pressure	5,970	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.225	inches
Critical Section Area	2.708	in ²
Internal Pressure Rating	5,600	psi
External Pressure Rating	5,970	psi
Tension Efficiency	60%	
Connection Strength	217	kips
Compression Efficiency	217	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	4,127	ft-lbs 
Min	3,345	ft-lbs 
Max	4,909	ft-lbs

v1.0

2/5/2020

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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 5.5in. x 15.5 lb/ft HC-L80 Flush Joint

Min Make Up Torque	3,345	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	4,909	ft-lbs	Max Operating	5,818	ft-lbs
Optimum Torque	4,127	ft-lbs	Yield	10,836	ft-lbs

