

HYDRA 5.5in. x 20 lb/ft HC-L80 Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	20.00	lb/ft
Wall Thickness	0.361	inches
Plain End Weight	19.83	lb/ft
Standard Drift	4.653	inches
Nominal ID	4.778	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	5.828	in ²
Pipe Body Yield Strength	466	kips
Min Internal Yield Pressure	9,190	psi
Collapse Pressure	10,150	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.738	inches
Critical Section Area	3.497	in ²
Internal Pressure Rating	7,350	psi
External Pressure Rating	10,150	psi
Tension Efficiency	60%	
Connection Strength	280	kips
Compression Efficiency	280	kips
Uniaxial Bend Rating	42	° / 100 ft
Reference Depth	9,400	Ft.
Optimal Make Up Torque	6,327	ft-lbs
Min	5,218	ft-lbs
Max	7,436	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

HYDRA 5.5in. x 20 lb/ft HC-L80 Flush Joint

Min Make Up Torque	5,218	ft-lbs	Nom Shoulder Torque	800	ft-lbs
Max Make Up Torque	7,436	ft-lbs	Max Operating	9,382	ft-lbs
Optimum Torque	6,327	ft-lbs	Yield	15,273	ft-lbs

