



HYDRA CBR 5.5in. x 20 lb/ft L-80 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	L-80	
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	8,830	psi

Connection with Corrosion Barrier Ring

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	8,830	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	6,260	ft-lbs
Min	4,580	ft-lbs
Max	9,165	ft-lbs

v2.0

11/22/2021

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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 with Corrosion Barrier Ring

HYDRA CBR 5.5in. x 20 lb/ft L-80 Flush Joint

Min Make Up Torque	4,580	ft-lbs	Nom Shoulder Torque	800	ft-lbs
Max Make Up Torque	9,165	ft-lbs			
Optimum Torque	6,260	ft-lbs			

