



HYDRA CBR 2.875in. x 6.4 lb/ft L-80 Flush Joint

Pipe Body

Nominal OD	2.875	inches
Nominal Weight	6.40	lb/ft
Wall Thickness	0.217	inches
Plain End Weight	6.17	lb/ft
Standard Drift	2.347	inches
Nominal ID	2.441	inches
Grade	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	1.812	in ²
Pipe Body Yield Strength	145	kips
Min Internal Yield Pressure	10,570	psi
Collapse Pressure	11,170	psi

Connection with Corrosion Barrier Ring

Connection OD	2.875	inches
Make Up Loss	3.586	inches
Critical Section Area	1.087	in ²
Internal Pressure Rating	8,450	psi
External Pressure Rating	11,170	psi
Tension Efficiency	60%	
Connection Strength	87	kips
Compression Efficiency	87	kips
Uniaxial Bend Rating	81	° / 100 ft
Reference Depth	9,400	Ft.
Optimal Make Up Torque	727	ft-lbs
Min	582	ft-lbs
Max	1,455	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 with Corrosion Barrier Ring

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Min Make Up Torque	580	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	1,455	ft-lbs			
Optimum Torque	725	ft-lbs			

