



## HYDRA CBR 5.5in. x 17 lb/ft L-80 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	L-80	
Min Yield	80,000	lb/in <sup>2</sup>
Min Tensile	95,000	lb/in <sup>2</sup>
Critical Section Area	4.962	in <sup>2</sup>
Pipe Body Yield Strength	397	kips
Min Internal Yield Pressure	7,740	psi
Collapse Pressure	6,290	psi

### Connection with Corrosion Barrier Ring

Connection OD	5.500	inches
Make Up Loss	4.463	inches
Critical Section Area	2.977	in <sup>2</sup>
Internal Pressure Rating	6,190	psi
External Pressure Rating	6,290	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	2,436	ft-lbs
Min	2,182	ft-lbs
Max	2,691	ft-lbs

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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	2,182	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	2,691	ft-lbs			
Optimum Torque	2,436	ft-lbs			

