



## HYDRA CBR 4in. x 11.6 lb/ft J-55 Flush Joint

### Pipe Body

Nominal OD	4.000	inches
Nominal Weight	11.60	lb/ft
Wall Thickness	0.286	inches
Plain End Weight	11.36	lb/ft
Standard Drift	3.303	inches
Nominal ID	3.428	inches
Grade	J-55	
Min Yield	55,000	lb/in <sup>2</sup>
Min Tensile	75,000	lb/in <sup>2</sup>
Critical Section Area	3.337	in <sup>2</sup>
Pipe Body Yield Strength	184	kips
Min Internal Yield Pressure	6,880	psi
Collapse Pressure	7,300	psi

### Connection with Corrosion Barrier Ring

Connection OD	4.000	inches
Make Up Loss	4.088	inches
Critical Section Area	2.002	in <sup>2</sup>
Internal Pressure Rating	5,510	psi
External Pressure Rating	7,300	psi
Tension Efficiency	60%	
Connection Strength	110	kips
Compression Efficiency	110	kips
Uniaxial Bend Rating	40	° / 100 ft
Reference Depth	6,479	Ft.
Optimal Make Up Torque	875	ft-lbs
Min	775	ft-lbs
Max	975	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	775	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	975	ft-lbs			
Optimum Torque	875	ft-lbs			

