



HYDRA CBR 3.5in. x 9.2 lb/ft HC-L80 Flush Joint

Pipe Body

Nominal OD	3.500	inches
Nominal Weight	9.20	lb/ft
Wall Thickness	0.254	inches
Plain End Weight	8.81	lb/ft
Standard Drift	2.867	inches
Nominal ID	2.992	inches
Grade	HC-L80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	2.590	in ²
Pipe Body Yield Strength	207	kips
Min Internal Yield Pressure	10,160	psi
Collapse Pressure	12,120	psi

Connection with Corrosion Barrier Ring

Connection OD	3.500	inches
Make Up Loss	3.938	inches
Critical Section Area	1.554	in ²
Internal Pressure Rating	8,130	psi
External Pressure Rating	12,120	psi
Tension Efficiency	60%	
Connection Strength	124	kips
Compression Efficiency	124	kips
Uniaxial Bend Rating	66	° / 100 ft
Reference Depth	9,398	Ft.
Optimal Make Up Torque	1,610	ft-lbs
Min	1,180	ft-lbs
Max	2,355	ft-lbs

v2.0

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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

HYDRA CBR 3.5in. x 9.2 lb/ft HC-L80 Flush Joint

Min Make Up Torque	1,180	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	2,355	ft-lbs			
Optimum Torque	1,610	ft-lbs			

