



HYDRA CBR 7in. x 29 lb/ft HC-P110 Flush Joint

Pipe Body

Nominal OD	7.000	inches
Nominal Weight	29.00	lb/ft
Wall Thickness	0.408	inches
Plain End Weight	28.75	lb/ft
Standard Drift	6.125	inches
Nominal ID	6.184	inches
Grade	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	8.449	in ²
Pipe Body Yield Strength	929	kips
Min Internal Yield Pressure	11,220	psi
Collapse Pressure	9,810	psi

Connection with Corrosion Barrier Ring

Connection OD	7.000	inches
Make Up Loss	4.140	inches
Critical Section Area	5.070	in ²
Internal Pressure Rating	8,980	psi
External Pressure Rating	9,810	psi
Tension Efficiency	60%	
Connection Strength	557	kips
Compression Efficiency	557	kips
Uniaxial Bend Rating	45	° / 100 ft
Reference Depth	12,925	Ft.
Optimal Make Up Torque	14,225	ft-lbs
Min	10,410	ft-lbs
Max	20,820	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 7in. x 29 lb/ft HC-P110 Flush Joint

Min Make Up Torque	10,410	ft-lbs	Nom Shoulder Torque	990	ft-lbs
Max Make Up Torque	20,820	ft-lbs			
Optimum Torque	14,225	ft-lbs			

