



HYDRA CBR 5in. x 18 lb/ft CYP-110 Flush Joint

Pipe Body

Nominal OD	5.000	inches
Nominal Weight	18.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	17.95	lb/ft
Standard Drift	4.151	inches
Nominal ID	4.276	inches
Grade	CYP-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	5.275	in ²
Pipe Body Yield Strength	580	klps
Min Internal Yield Pressure	13,940	psi
Collapse Pressure	13,470	psi

Connection with Corrosion Barrier Ring

Connection OD	5.000	inches
Make Up Loss	4.625	inches
Critical Section Area	3.165	in ²
Internal Pressure Rating	11,150	psi
External Pressure Rating	13,470	psi
Tension Efficiency	60%	
Connection Strength	348	klps
Compression Efficiency	348	klps
Uniaxial Bend Rating	64	° / 100 ft
Reference Depth	12,925	Ft.
Optimal Make Up Torque	8,200	ft-lbs
Min	6,000	ft-lbs
Max	12,000	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

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Min Make Up Torque	6,000	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	12,000	ft-lbs			
Optimum Torque	8,200	ft-lbs			

