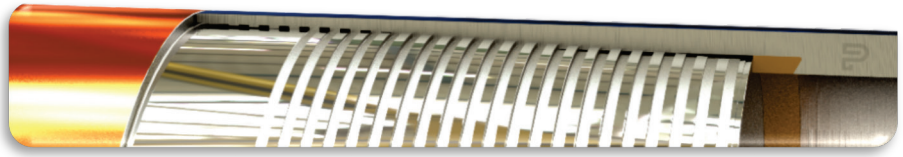
PRECISION

HYDRA



HYDRA CBR 7in. x 23 lb/ft P-110 Flush Joint

Pipe Body

Nominal OD	7.000	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.317	inches
Plain End Weight	22.65	lb/ft
Standard Drift	6.250	inches
Nominal ID	6.366	inches
Grade	P-110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	6.655	in²
Pipe Body Yield Strength	732	kips
Min Internal Yield Pressure	8,720	psi
Collapse Pressure	4,440	psi

Connection with Corrosion Barrier Ring

Connection OD	7.000	inches
Make Up Loss	3.780	inches
Critical Section Area	3.993	in²
Internal Pressure Rating	6,970	psi
External Pressure Rating	4,440	psi
Tension Efficiency	60%	
Connection Strength	439	kips
Compression Efficiency	439	kips
Uniaxial Bend Rating	45	° / 100 ft
Reference Depth	12,927	Ft.
Optimal Make Up Torque	10,415	ft-lbs
Min	7,620	ft-lbs
Max	15,240	ft-lbs

v2.0 11/22/2021

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). Refernce Depth includes a 1.5 design factor. However, it does not consider bending, temperature, bouyancy or other load considerations.

PRECISION

HYDRA

Torque Data Sheet - HYDRA with Corrosion Barrier Ring

HYDRA CBR 7in. x 23 lb/ft P-110 Flush Joint

Min Make Up Torque	7,620	ft-lbs
Max Make Up Torque	15,240	ft-lbs
Optimum Torque	10,415	ft-lbs

Nom Shoulder Torque	670	ft-lbs