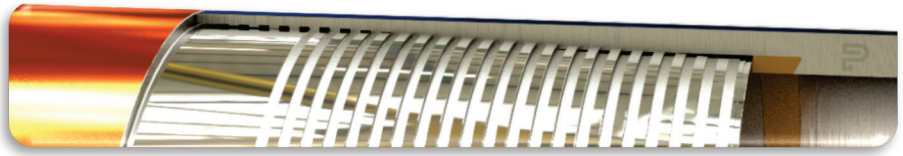
PRECISION

HYDRA



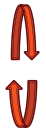
HYDRA CBR 2.875in. x 6.4 lb/ft L-80 Flush Joint

Pipe Body

Nominal OD	2.875	inches
Nominal Weight	6.40	lb/ft
Wall Thickness	0.217	inches
Plain End Weight	6.17	lb/ft
Standard Drift	2.347	inches
Nominal ID	2.441	inches
Grade	L-80	
Min Yield	80,000	lbf/in²
Min Tensile	95,000	lbf/in²
Critical Section Area	1.812	in²
Pipe Body Yield Strength	145	kips
Min Internal Yield Pressure	10,570	psi
Collapse Pressure	11,170	psi

Connection with Corrosion Barrier Ring

Connection OD	2.875	inches
Make Up Loss	3.586	inches
Critical Section Area	1.087	in²
Internal Pressure Rating	8,450	psi
External Pressure Rating	11,170	psi
Tension Efficiency	60%	
Connection Strength	87	kips
Compression Efficiency	87	kips
Uniaxial Bend Rating	81	° / 100 ft
Reference Depth	9,400	Ft.
Optimal Make Up Torque	1,195	ft-lbs
Min	875	ft-lbs
Max	1,745	ft-lbs



v2.0 11/22/2021

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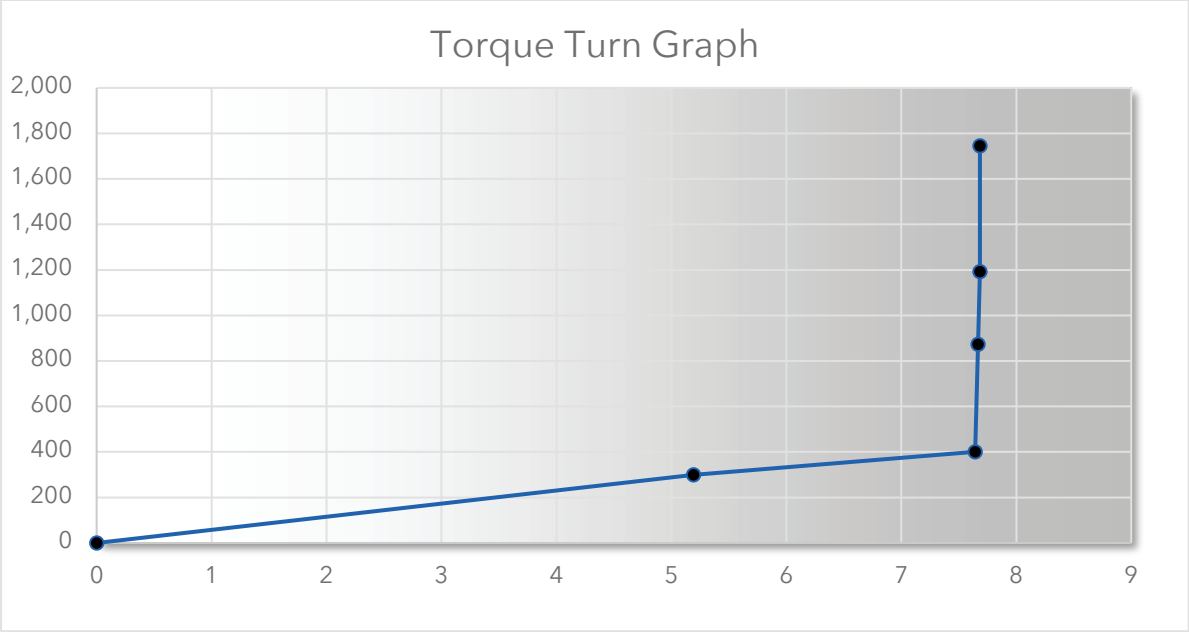
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Refernce Depth includes 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 2.875in. x 6.4 lb/ft L-80 Flush Joint

Min Make Up Torque	875	ft-lbs
Max Make Up Torque	1,745	ft-lbs
Optimum Torque	1,195	ft-lbs

Nom Shoulder Torque	400	ft-lbs