## **PRECISION**

### HYDRA 7in. x 29 lb/ft HC-L80 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-L80	
Min Yield	80,000	lbf/in²
Min Tensile	95,000	lbf/in²
Critical Section Area	8.449	in²
Pipe Body Yield Strength	676	kips
Min Internal Yield Pressure	8,160	psi
Collapse Pressure	0	psi

#### Connection

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Connection OD	7.000	inches
Make Up Loss	4.140	inches
Critical Section Area	5.070	in²
Internal Pressure Rating	6,530	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	406	kips
Compression Efficiency	406	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,405	Ft.
Optimal Make Up Torque	10,618	ft-lbs
Min	8,418	ft-lbs 👔
Max	12,836	ft-lbs
	v1.0	12/12/2019

HYDRA

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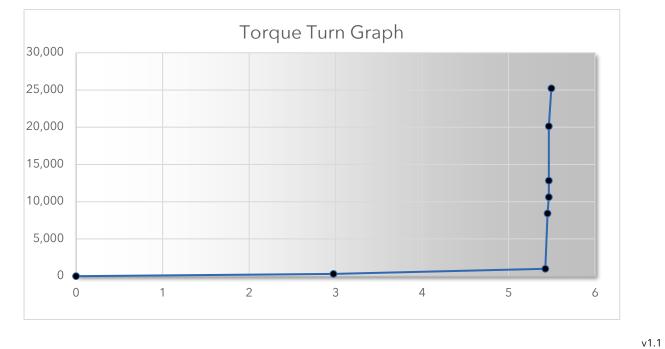
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, bouyancy or other load considerations.

## **PRECISION**

#### Torque Data Sheet - HYDRA

HYDRA 7in. x 29 lb/ft HC-L80 Flush Joint

Min Make Up Torque	8,418	ft-lbs	Nom Shoulder Torque	990	ft-lbs
Max Make Up Torque	12,836	ft-lbs	Max Operating	20,145	ft-lbs
Optimum Torque	10,618	ft-lbs	Yield	25,236	ft-lbs



# HYDRA

12/12/2019