### **PRECISION**

### HYDRA-XL 7.625in. x 29.7 lb/ft P110 EB Flush Joint

# HYDRA

Pipe Body		
Nominal OD	7.625	inches
Nominal Weight	29.70	lb/ft
Wall Thickness	0.375	inches
Plain End Weight	29.04	lb/ft
Standard Drift	6.750	inches
Nominal ID	6.875	inches
Grade	P110 EB	
Min Yield	125,000	lbf/in²
Max Yield	140,000	lbf/in²
Min Tensile	135,000	lbf/in²
Critical Section Area	8.541	in²
Pipe Body Yield Strength	1068	kips
Min Internal Yield Pressure	10,760	psi
Collapse Pressure	7,360	psi

#### Connection

Connection OD	7.625	inches
Make Up Loss	5.011	inches
Critical Section Area	5.979	in²
Internal Pressure Rating	8,610	psi
External Pressure Rating	7,360	psi
Tension Efficiency	70%	
Connection Strength	748	kips
Compression Efficiency	748	kips
Uniaxial Bend Rating	46	° / 100 ft
Reference Depth	17,163	Ft.
Optimal Make Up Torque	9,000	ft-lbs 🚺
Min	7,600	ft-lbs 🚺
Max Operating	22,800	ft-lbs

v3.0

8/14/2019

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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.



#### **Torque Data Sheet - HYDRA-XL**

#### HYDRA-XL 7.625in. x 29.7 lb/ft P110 EB Flush Joint

Min Make Up Torque
Max Make Up Torque

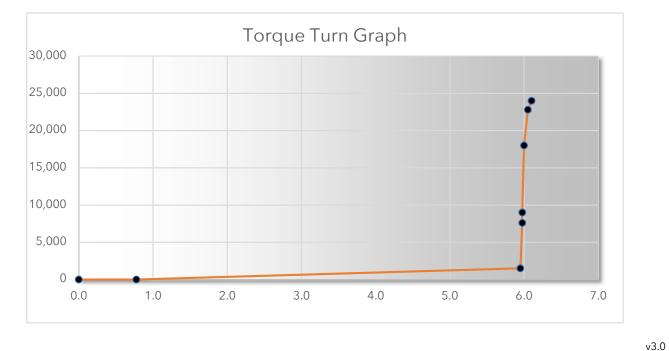
Optimum Torque

18,000 ft-lbs 9,000 ft-lbs

7,600

ft-lbs

Nom Shoulder Torque	1,500	ft-lbs
Max Operating	22,800	ft-lbs



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