### PRECISION

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

### Pipe Body

Nominal OD	7.625	inches
Nominal Weight	29.70	lb/ft
Wall Thickness	0.375	inches
Plain End Weight	29.06	lb/ft
Standard Drift	6.750	inches
Nominal ID	6.875	inches
Grade	P110 EB	
Min Yield	125,000	lbf/in²
Min Tensile	130,000	lbf/in²
Critical Section Area	8.541	in²
Pipe Body Yield Strength	1068	kips
Min Internal Yield Pressure	10,760	psi
Collapse Pressure	6,700	psi

Connection	ΗYD	RA		
Connection OD	7.625	inches		
Make Up Loss	4.230	inches		
Critical Section Area	5.125	in²		
Internal Pressure Rating	8,610	psi		
External Pressure Rating	6,700	psi		
Tension Efficiency	60%			
Connection Strength	641	kips		
Compression Efficiency	641	kips		
Uniaxial Bend Rating	47	° / 100 ft		
Reference Depth	14,701	Ft.		
Optimal Make Up Torque	16,818	ft-lbs 👖		
Min	13,352	ft-lbs 👔		
Max	20,313	ft-lbs		

v1.0

2/5/2020

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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.

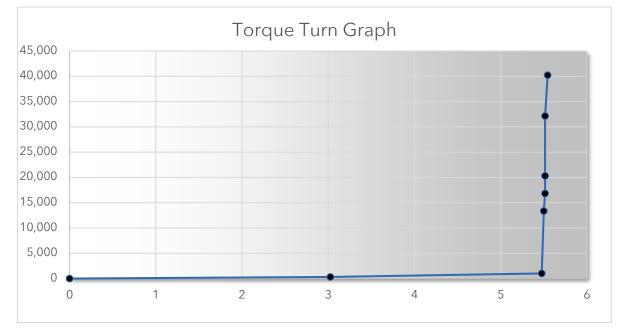
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# **PRECISION**

#### Torque Data Sheet - HYDRA

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

Min Make Up Torque	13,352	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	20,313	ft-lbs	Max Operating	32,159	ft-lbs
Optimum Torque	16,818	ft-lbs	Yield	40,227	ft-lbs



## L) HYDRA

2/5/2020

v1.1