### PRECISION

### HYDRA 7.625in. x 29.7 lb/ft CYP-110 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	CYP-110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	8.541	in²
Pipe Body Yield Strength	940	kips
Min Internal Yield Pressure	9,470	psi
Collapse Pressure	5,350	psi

#### Connection **Connection OD** 7.625 inches Make Up Loss 4.230 inches Critical Section Area 5.125 in<sup>2</sup> Internal Pressure Rating 7,570 psi **External Pressure Rating** 5,350 psi **Tension Efficiency** 60% **Connection Strength** 564 kips **Compression Efficiency** kips 564 Uniaxial Bend Rating ° / 100 ft 41 **Reference Depth** 12,939 Ft. 14,800 ft-lbs **Optimal Make Up Torque** 11,750 ft-lbs Min ft-lbs 17,875 Max

v1.0

12/12/2019

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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.

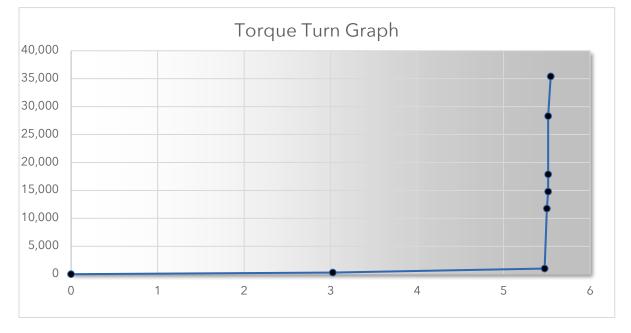
#### L) HYDRA

# **PRECISION**

#### Torque Data Sheet - HYDRA

HYDRA 7.625in. x 29.7 lb/ft CYP-110 Flush Joint

Min Make Up Torque	11,750	ft-lbs	Nom Shoulder Torque	1,020	ft-lbs
Max Make Up Torque	17,875	ft-lbs	Max Operating	28,300	ft-lbs
Optimum Torque	14,800	ft-lbs	Yield	35,400	ft-lbs



## L) HYDRA

12/12/2019

v1.1