### PRECISION

### HYDRA 5in. x 18 lb/ft HC-P110 Flush Joint

### Pipe Body

Nominal OD	5.000	inches
Nominal Weight	18.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	17.95	lb/ft
Standard Drift	4.151	inches
Nominal ID	4.276	inches
Grade	HC-P110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	5.275	in²
Pipe Body Yield Strength	580	kips
Min Internal Yield Pressure	13,940	psi
Collapse Pressure	15,490	psi

#### HYDRA Connection **Connection OD** 5.000 inches Make Up Loss 4.625 inches Critical Section Area 3.165 in<sup>2</sup> Internal Pressure Rating 11,150 psi **External Pressure Rating** 15,490 psi **Tension Efficiency** 60% **Connection Strength** 348 kips **Compression Efficiency** 348 kips Uniaxial Bend Rating ° / 100 ft 64 **Reference Depth** 12,925 Ft. 7,250 ft-lbs **Optimal Make Up Torque** 5,975 ft-lbs Min 8,525 ft-lbs Max

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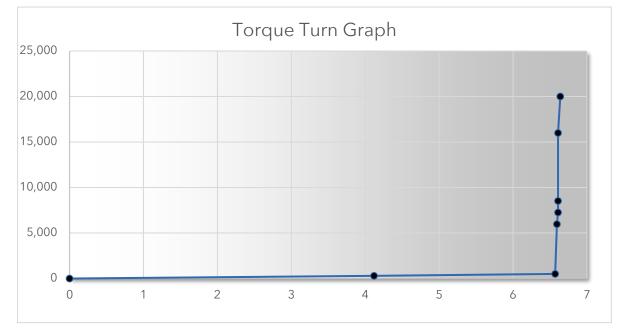
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes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

# **PRECISION**

### Torque Data Sheet - HYDRA

#### HYDRA 5in. x 18 lb/ft HC-P110 Flush Joint

Min Make Up Torque	5,975	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	8,525	ft-lbs	Max Operating	16,000	ft-lbs
Optimum Torque	7,250	ft-lbs	Yield	20,000	ft-lbs



## L) HYDRA

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