### **PRECISION**

### HYDRA 7in. x 32 lb/ft J-55 Flush Joint

#### Pipe Body

Nominal OD	7.000	inches
Nominal Weight	32.00	lb/ft
Wall Thickness	0.453	inches
Plain End Weight	31.70	lb/ft
Standard Drift	6.000	inches
Nominal ID	6.094	inches
Grade	J-55	
Min Yield	55,000	lbf/in²
Min Tensile	75,000	lbf/in²
Critical Section Area	9.317	in²
Pipe Body Yield Strength	512	kips
Min Internal Yield Pressure	6,230	psi
Collapse Pressure	6,460	psi

#### Connection

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Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in²
Internal Pressure Rating	4,980	psi
External Pressure Rating	6,460	psi
Tension Efficiency	60%	
Connection Strength	307	kips
Compression Efficiency	307	kips
Uniaxial Bend Rating	23	° / 100 ft
Reference Depth	6,461	Ft.
Optimal Make Up Torque	8,313	ft-lbs
Min	6,600	ft-lbs 👔
Max	10,025	ft-lbs
	v1.0	12/12/2019

HYDRA

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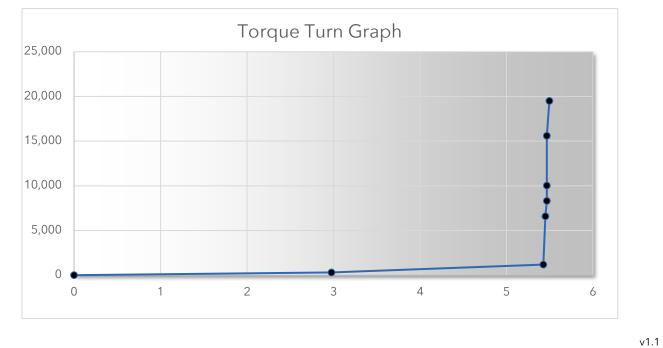
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes 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 32 lb/ft	J-55 Flush Joint
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Min Make Up Torque	6,600	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	10,025	ft-lbs	Max Operating	15,600	ft-lbs
Optimum Torque	8,313	ft-lbs	Yield	19,500	ft-lbs



## L) HYDRA

12/12/2019