### PRECISION

### HYDRA 5.5in. x 20 lb/ft L-80 Flush Joint

### Pipe Body

Nominal OD	5.500	inches
Nominal Weight	20.00	lb/ft
Wall Thickness	0.361	inches
Plain End Weight	19.83	lb/ft
Standard Drift	4.653	inches
Nominal ID	4.778	inches
Grade	L-80	
Min Yield	80,000	lbf/in²
Min Tensile	95,000	lbf/in²
Critical Section Area	5.828	in²
Pipe Body Yield Strength	466	kips
Min Internal Yield Pressure	9,190	psi
Collapse Pressure	8,830	psi

#### Connection

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Connection OD	5.500	inches
Make Up Loss	4.738	inches
Critical Section Area	3.497	in²
Internal Pressure Rating	7,350	psi
External Pressure Rating	8,830	psi
Tension Efficiency	60%	
Connection Strength	280	kips
Compression Efficiency	280	kips
Uniaxial Bend Rating	42	° / 100 ft
Reference Depth	9,400	Ft.
Optimal Make Up Torque	6,327	ft-lbs
Min	5,218	ft-lbs 👔
Max	7,436	ft-lbs
	v1.0	12/12/2019

HYDRA

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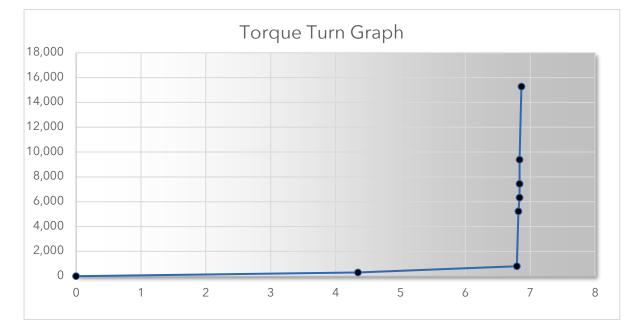
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes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

## **PRECISION**

#### Torque Data Sheet - HYDRA

HYDRA 5.5in. x 20 lb/ft	L-80 Flush Joint
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Min Make Up Torque	5,218	ft-lbs	Nom Shoulder Torque	800	ft-lbs
Max Make Up Torque	7,436	ft-lbs	Max Operating	9,382	ft-lbs
Optimum Torque	6,327	ft-lbs	Yield	15,273	ft-lbs



# L) HYDRA

v1.1 12/12/2019