PRECISION

HYDRA 5.5in. x 17 lb/ft HC-L80 Flush Joint

Pipe Body

Nominal OD	5.500	inches
Nominal Weight	17.00	lb/ft
Wall Thickness	0.304	inches
Plain End Weight	16.89	lb/ft
Standard Drift	4.767	inches
Nominal ID	4.892	inches
Grade	HC-L80	
Min Yield	80,000	lbf/in²
Min Tensile	95,000	lbf/in²
Critical Section Area	4.962	in²
Pipe Body Yield Strength	397	kips
Min Internal Yield Pressure	7,740	psi
Collapse Pressure	7,230	psi

HYDRA Connection **Connection OD** 5.500 inches Make Up Loss 4.463 inches Critical Section Area 2.977 in² Internal Pressure Rating 6,190 psi **External Pressure Rating** 7,230 psi **Tension Efficiency** 60% **Connection Strength** 238 kips **Compression Efficiency** 238 kips Uniaxial Bend Rating ° / 100 ft 42 **Reference Depth** 9,402 Ft. 4,982 ft-lbs **Optimal Make Up Torque** 4,091 ft-lbs Min 5,855 ft-lbs Max

v1.0

2/5/2020

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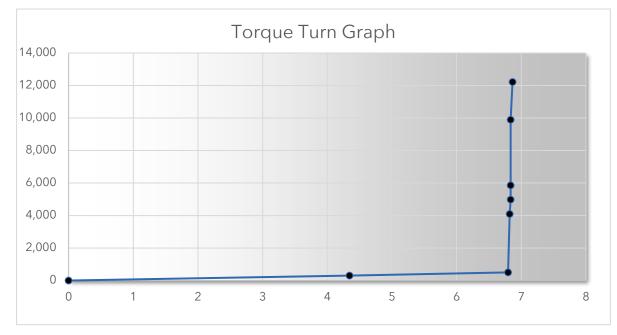
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes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

PRECISION

Torque Data Sheet - HYDRA

HYDRA 5.5in. x 17 lb/ft HC-L80 Flush Joint

Min Make Up Torque	4,091	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	5,855	ft-lbs	Max Operating	9,891	ft-lbs
Optimum Torque	4,982	ft-lbs	Yield	12,218	ft-lbs



L) HYDRA

2/5/2020

v1.1