PRECISION

HYDRA 5.5in. x 20 lb/ft HC-P110 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	HC-P110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	5.828	in²
Pipe Body Yield Strength	641	kips
Min Internal Yield Pressure	12,640	psi
Collapse Pressure	12,770	psi

HYDRA Connection **Connection OD** 5.500 inches Make Up Loss 4.738 inches Critical Section Area 3.497 in² Internal Pressure Rating 10,110 psi **External Pressure Rating** 12,770 psi **Tension Efficiency** 60% **Connection Strength** 385 kips **Compression Efficiency** 385 kips Uniaxial Bend Rating ° / 100 ft 58 **Reference Depth** 12,930 Ft. 8,700 ft-lbs **Optimal Make Up Torque** 7,175 ft-lbs Min 10,225 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.

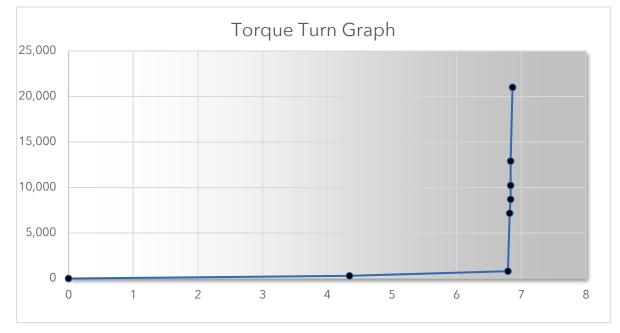
LJ HYDRA

PRECISION

Torque Data Sheet - HYDRA

HYDRA 5.5in. x 20 lb/ft HC-P110 Flush Joint

Min Make Up Torque	7,175	ft-lbs	Nom Shoulder Torque	800	ft-lbs
Max Make Up Torque	10,225	ft-lbs	Max Operating	12,900	ft-lbs
Optimum Torque	8,700	ft-lbs	Yield	21,000	ft-lbs



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2/5/2020

v1.1