PRECISION

HYDRA 7in. x 32 lb/ft P-110 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	P-110	
Min Yield	110,000	lbf/in²
Min Tensile	125,000	lbf/in²
Critical Section Area	9.317	in²
Pipe Body Yield Strength	1025	kips
Min Internal Yield Pressure	12,460	psi
Collapse Pressure	10,780	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in²
Internal Pressure Rating	9,970	psi
External Pressure Rating	10,780	psi
Tension Efficiency	60%	
Connection Strength	615	kips
Compression Efficiency	615	kips
Uniaxial Bend Rating	45	° / 100 ft
Reference Depth	12,934	Ft.
Optimal Make Up Torque	16,625	ft-lbs
Min	13,200	ft-lbs 👔
Max	20,050	ft-lbs
	v1.0	12/12/2019

HYDRA

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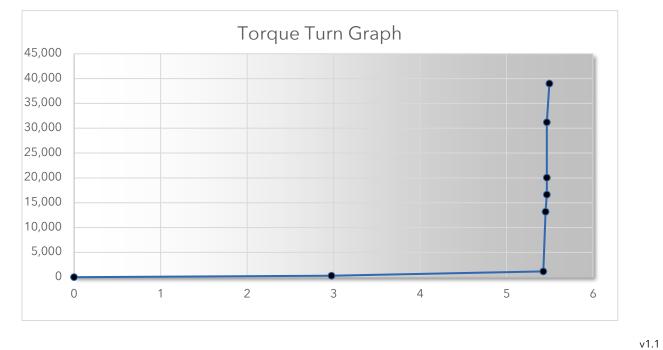
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes 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	P-110 Flu	sh Joint
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Min Make Up Torque	13,200	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	20,050	ft-lbs	Max Operating	31,200	ft-lbs
Optimum Torque	16,625	ft-lbs	Yield	39,000	ft-lbs



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12/12/2019