PRECISION

HYDRA 7in. x 32 lb/ft HC-L80 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	HC-L80	
Min Yield	80,000	lbf/in²
Min Tensile	95,000	lbf/in²
Critical Section Area	9.317	in²
Pipe Body Yield Strength	745	kips
Min Internal Yield Pressure	9,060	psi
Collapse Pressure	0	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in²
Internal Pressure Rating	7,250	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	447	kips
Compression Efficiency	447	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	12,091	ft-lbs
Min	9,600	ft-lbs 🚺
Max	14,582	ft-lbs
	v1.0	12/12/2019

HYDRA

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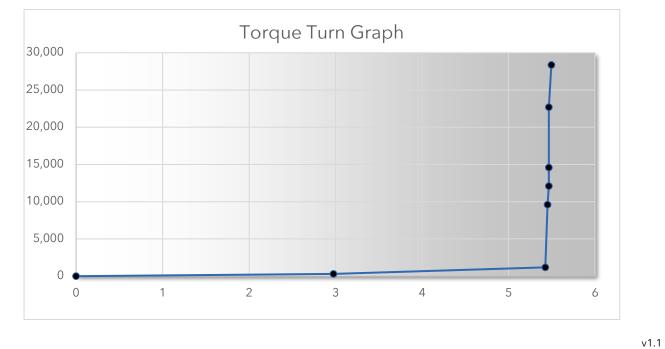
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes 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 HC-L80 Flush Joint

Min Make Up Torque	9,600	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	14,582	ft-lbs	Max Operating	22,691	ft-lbs
Optimum Torque	12,091	ft-lbs	Yield	28,364	ft-lbs



HYDRA

12/12/2019