PRECISION

HYDRA 3.5in. x 9.2 lb/ft P110 EB Flush Joint

Pipe Body

Nominal OD	3.500	inches
Nominal Weight	9.20	lb/ft
Wall Thickness	0.254	inches
Plain End Weight	8.81	lb/ft
Standard Drift	2.867	inches
Nominal ID	2.992	inches
Grade	P110 EB	
Min Yield	125,000	lbf/in²
Min Tensile	130,000	lbf/in²
Critical Section Area	2.590	in²
Pipe Body Yield Strength	324	kips
Min Internal Yield Pressure	15,880	psi
Collapse Pressure	15,560	psi

Connection

Connection OD	3.500	inches
Make Up Loss	3.938	inches
Critical Section Area	1.554	in²
Internal Pressure Rating	12,700	psi
External Pressure Rating	15,560	psi
Tension Efficiency	60%	
Connection Strength	194	kips
Compression Efficiency	194	kips
Uniaxial Bend Rating	104	° / 100 ft
Reference Depth	14,711	Ft.
Optimal Make Up Torque	2,926	ft-lbs
Min	2,472	ft-lbs 👔
Max	3,381	ft-lbs
	v1.0	2/5/2020

HADBY

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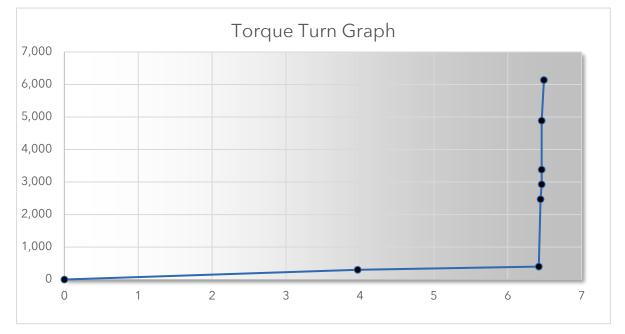
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes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

PRECISION

Torque Data Sheet - HYDRA

HYDRA 3.5in. x 9.2 lb/ft P110 EB Flush Joint

Min Make Up Torque	2,472	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	3,381	ft-lbs	Max Operating	4,886	ft-lbs
Optimum Torque	2,926	ft-lbs	Yield	6,136	ft-lbs



L) HYDRA

2/5/2020

v1.1