



HYDRA 3.5in. x 9.2 lb/ft HC-P110 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	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	2.590	in ²
Pipe Body Yield Strength	285	kips
Min Internal Yield Pressure	13,970	psi
Collapse Pressure	0	psi

Connection

Connection OD	3.500	inches
Make Up Loss	3.938	inches
Critical Section Area	1.554	in ²
Internal Pressure Rating	11,180	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	171	kips
Compression Efficiency	171	kips
Uniaxial Bend Rating	91	° / 100 ft
Reference Depth	12,940	Ft.
Optimal Make Up Torque	2,575	ft-lbs 
Min	2,175	ft-lbs 
Max	2,975	ft-lbs

v1.0

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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, buoyancy or other load considerations.

Torque Data Sheet - HYDRA

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Min Make Up Torque	2,175	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	2,975	ft-lbs	Max Operating	4,300	ft-lbs
Optimum Torque	2,575	ft-lbs	Yield	5,400	ft-lbs

