

HYDRA 4in. x 11.6 lb/ft P110 EB Flush Joint



Pipe Body

Nominal OD	4.000	inches
Nominal Weight	11.60	lb/ft
Wall Thickness	0.286	inches
Plain End Weight	11.36	lb/ft
Standard Drift	3.303	inches
Nominal ID	3.428	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	3.337	in ²
Pipe Body Yield Strength	417	kips
Min Internal Yield Pressure	15,640	psi
Collapse Pressure	0	psi

Connection

Connection OD	4.000	inches
Make Up Loss	4.088	inches
Critical Section Area	2.002	in ²
Internal Pressure Rating	12,510	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	250	kips
Compression Efficiency	250	kips
Uniaxial Bend Rating	91	° / 100 ft
Reference Depth	14,683	Ft.
Optimal Make Up Torque	4,176	ft-lbs 
Min	3,466	ft-lbs 
Max	4,858	ft-lbs

v1.0

12/12/2019

This documentation contains confidential and proprietary information not to be reproduced or divulged in whole or in part to anyone outside of your company without prior written authorization from Precision Connections, LLC, and such documentation and information is provided to you upon such conditions of confidentiality.

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

HYDRA 4in. x 11.6 lb/ft P110 EB Flush Joint

Min Make Up Torque	3,466	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	4,858	ft-lbs	Max Operating	5,966	ft-lbs
Optimum Torque	4,176	ft-lbs	Yield	8,409	ft-lbs

