

HYDRA 7.625in. x 39 lb/ft P110 EB Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	39.00	lb/ft
Wall Thickness	0.500	inches
Plain End Weight	38.08	lb/ft
Standard Drift	6.500	inches
Nominal ID	6.625	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	11.192	in ²
Pipe Body Yield Strength	1399	kips
Min Internal Yield Pressure	14,340	psi
Collapse Pressure	12,740	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.720	inches
Critical Section Area	6.715	in ²
Internal Pressure Rating	11,480	psi
External Pressure Rating	12,740	psi
Tension Efficiency	60%	
Connection Strength	839	kips
Compression Efficiency	839	kips
Uniaxial Bend Rating	47	° / 100 ft
Reference Depth	14,695	Ft.
Optimal Make Up Torque	24,489	ft-lbs
Min	19,517	ft-lbs
Max	29,460	ft-lbs

v1.0

2/5/2020

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 7.625in. x 39 lb/ft P110 EB Flush Joint

Min Make Up Torque	19,517	ft-lbs	Nom Shoulder Torque	1,620	ft-lbs
Max Make Up Torque	29,460	ft-lbs	Max Operating	45,625	ft-lbs
Optimum Torque	24,489	ft-lbs	Yield	57,045	ft-lbs

