



## HYDRA 7in. x 29 lb/ft P110 EB Flush Joint



### Pipe Body

Nominal OD	7.000	inches
Nominal Weight	29.00	lb/ft
Wall Thickness	0.408	inches
Plain End Weight	28.75	lb/ft
Standard Drift	6.125	inches
Nominal ID	6.184	inches
Grade	P110 EB	
Min Yield	125,000	lb/in <sup>2</sup>
Min Tensile	130,000	lb/in <sup>2</sup>
Critical Section Area	8.449	in <sup>2</sup>
Pipe Body Yield Strength	1056	kips
Min Internal Yield Pressure	12,750	psi
Collapse Pressure	0	psi

### Connection

Connection OD	7.000	inches
Make Up Loss	4.140	inches
Critical Section Area	5.070	in <sup>2</sup>
Internal Pressure Rating	10,200	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	634	kips
Compression Efficiency	634	kips
Uniaxial Bend Rating	51	° / 100 ft
Reference Depth	14,692	Ft.
Optimal Make Up Torque	16,591	ft-lbs 
Min	13,153	ft-lbs 
Max	20,057	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 7in. x 29 lb/ft P110 EB Flush Joint

Min Make Up Torque	13,153	ft-lbs	Nom Shoulder Torque	990	ft-lbs
Max Make Up Torque	20,057	ft-lbs	Max Operating	31,477	ft-lbs
Optimum Torque	16,591	ft-lbs	Yield	39,432	ft-lbs

