



HYDRA 7in. x 32 lb/ft J-55 Flush Joint



Pipe Body

Nominal OD	7.000	inches
Nominal Weight	32.00	lb/ft
Wall Thickness	0.453	inches
Plain End Weight	31.70	lb/ft
Standard Drift	6.000	inches
Nominal ID	6.094	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	9.317	in ²
Pipe Body Yield Strength	512	kips
Min Internal Yield Pressure	6,230	psi
Collapse Pressure	6,460	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in ²
Internal Pressure Rating	4,980	psi
External Pressure Rating	6,460	psi
Tension Efficiency	60%	
Connection Strength	307	kips
Compression Efficiency	307	kips
Uniaxial Bend Rating	23	° / 100 ft
Reference Depth	6,461	Ft.
Optimal Make Up Torque	8,313	ft-lbs 
Min	6,600	ft-lbs 
Max	10,025	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 32 lb/ft J-55 Flush Joint

Min Make Up Torque	6,600	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	10,025	ft-lbs	Max Operating	15,600	ft-lbs
Optimum Torque	8,313	ft-lbs	Yield	19,500	ft-lbs

