



HYDRA 7.625in. x 33.7 lb/ft HC-P110 Flush Joint



Pipe Body

Nominal OD	7.625	inches
Nominal Weight	33.70	lb/ft
Wall Thickness	0.430	inches
Plain End Weight	33.07	lb/ft
Standard Drift	6.640	inches
Nominal ID	6.765	inches
Grade	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	9.720	in ²
Pipe Body Yield Strength	1069	kips
Min Internal Yield Pressure	10,860	psi
Collapse Pressure	0	psi

Connection

Connection OD	7.625	inches
Make Up Loss	4.450	inches
Critical Section Area	5.832	in ²
Internal Pressure Rating	8,680	psi
External Pressure Rating	0	psi
Tension Efficiency	60%	
Connection Strength	641	kips
Compression Efficiency	641	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	12,930	Ft.
Optimal Make Up Torque	17,750	ft-lbs 
Min	14,100	ft-lbs 
Max	21,400	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	14,100	ft-lbs	Nom Shoulder Torque	1,260	ft-lbs
Max Make Up Torque	21,400	ft-lbs	Max Operating	33,600	ft-lbs
Optimum Torque	17,750	ft-lbs	Yield	42,000	ft-lbs

