

HYDRA 7.625in. x 39 lb/ft HC-P110 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
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Grade	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	11.192	in ²
Pipe Body Yield Strength	1231	kips
Min Internal Yield Pressure	12,620	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	10,100	psi
External Pressure Rating	12,740	psi
Tension Efficiency	60%	
Connection Strength	739	kips
Compression Efficiency	739	kips
Uniaxial Bend Rating	42	° / 100 ft
Reference Depth	12,931	Ft.
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Optimal Make Up Torque	21,550	ft-lbs
Min	17,175	ft-lbs
Max	25,925	ft-lbs



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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	17,175	ft-lbs	Nom Shoulder Torque	1,620	ft-lbs
Max Make Up Torque	25,925	ft-lbs	Max Operating	40,150	ft-lbs
Optimum Torque	21,550	ft-lbs	Yield	50,200	ft-lbs

