

HYDRA 7in. x 29 lb/ft HC-P110 Flush Joint



HYDRA

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	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	8.449	in ²
Pipe Body Yield Strength	929	kips
Min Internal Yield Pressure	11,220	psi
Collapse Pressure	9,810	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.140	inches
Critical Section Area	5.070	in ²
Internal Pressure Rating	8,980	psi
External Pressure Rating	9,810	psi
Tension Efficiency	60%	
Connection Strength	557	kips
Compression Efficiency	557	kips
Uniaxial Bend Rating	45	° / 100 ft
Reference Depth	12,925	Ft.
Optimal Make Up Torque	14,600	ft-lbs
Min	11,575	ft-lbs
Max	17,650	ft-lbs



v1.0

2/5/2020

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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	11,575	ft-lbs	Nom Shoulder Torque	990	ft-lbs
Max Make Up Torque	17,650	ft-lbs	Max Operating	27,700	ft-lbs
Optimum Torque	14,600	ft-lbs	Yield	34,700	ft-lbs

