

HYDRA 4in. x 11.6 lb/ft HC-P110 Flush Joint



HYDRA

Pipe Body

Nominal OD	4.000	inches
Nominal Weight	11.60	lb/ft
Wall Thickness	0.286	inches
Plain End Weight	11.36	lb/ft
Standard Drift	3.303	inches
Nominal ID	3.428	inches
Grade	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	3.337	in ²
Pipe Body Yield Strength	367	kips
Min Internal Yield Pressure	13,760	psi
Collapse Pressure	15,120	psi

Connection

Connection OD	4.000	inches
Make Up Loss	4.088	inches
Critical Section Area	2.002	in ²
Internal Pressure Rating	11,010	psi
External Pressure Rating	15,120	psi
Tension Efficiency	60%	
Connection Strength	220	kips
Compression Efficiency	220	kips
Uniaxial Bend Rating	80	° / 100 ft
Reference Depth	12,923	Ft.
Optimal Make Up Torque	3,675	ft-lbs
Min	3,050	ft-lbs
Max	4,275	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

HYDRA 4in. x 11.6 lb/ft HC-P110 Flush Joint

Min Make Up Torque	3,050	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	4,275	ft-lbs	Max Operating	5,250	ft-lbs
Optimum Torque	3,675	ft-lbs	Yield	7,400	ft-lbs

