

HYDRA 5.5in. x 17 lb/ft HC-P110 Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	17.00	lb/ft
Wall Thickness	0.304	inches
Plain End Weight	16.89	lb/ft
Standard Drift	4.767	inches
Nominal ID	4.892	inches
Grade	HC-P110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	4.962	in ²
Pipe Body Yield Strength	546	kips
Min Internal Yield Pressure	10,640	psi
Collapse Pressure	8,730	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.463	inches
Critical Section Area	2.977	in ²
Internal Pressure Rating	8,510	psi
External Pressure Rating	8,730	psi
Tension Efficiency	60%	
Connection Strength	328	kips
Compression Efficiency	328	kips
Uniaxial Bend Rating	57	° / 100 ft
Reference Depth	12,931	Ft.
Optimal Make Up Torque	6,850	ft-lbs
Min	5,625	ft-lbs
Max	8,050	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	5,625	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	8,050	ft-lbs	Max Operating	13,600	ft-lbs
Optimum Torque	6,850	ft-lbs	Yield	16,800	ft-lbs

