



HYDRA 5.5in. x 17 lb/ft P110 EB 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	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	4.962	in ²
Pipe Body Yield Strength	620	kips
Min Internal Yield Pressure	12,090	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	9,670	psi
External Pressure Rating	8,730	psi
Tension Efficiency	60%	
Connection Strength	372	kips
Compression Efficiency	372 kips	
Uniaxial Bend Rating	65	° / 100 ft
Reference Depth	14,683	Ft.
Optimal Make Up Torque	7,784	ft-lbs 
Min	6,392	ft-lbs 
Max	9,148	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	6,392	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	9,148	ft-lbs	Max Operating	15,455	ft-lbs
Optimum Torque	7,784	ft-lbs	Yield	19,091	ft-lbs

