



HYDRA 5.5in. x 15.5 lb/ft P110 EB Flush Joint



Pipe Body

Nominal OD	5.500	inches
Nominal Weight	15.50	lb/ft
Wall Thickness	0.275	inches
Plain End Weight	15.36	lb/ft
Standard Drift	4.825	inches
Nominal ID	4.950	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	4.514	in ²
Pipe Body Yield Strength	564	kips
Min Internal Yield Pressure	10,940	psi
Collapse Pressure	6,970	psi

Connection

Connection OD	5.500	inches
Make Up Loss	4.225	inches
Critical Section Area	2.708	in ²
Internal Pressure Rating	8,750	psi
External Pressure Rating	6,970	psi
Tension Efficiency	60%	
Connection Strength	338	kips
Compression Efficiency	338 kips	
Uniaxial Bend Rating	65	° / 100 ft
Reference Depth	14,688	Ft.
Optimal Make Up Torque	6,449	ft-lbs 
Min	5,227	ft-lbs 
Max	7,670	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

HYDRA 5.5in. x 15.5 lb/ft P110 EB Flush Joint

Min Make Up Torque	5,227	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	7,670	ft-lbs	Max Operating	9,091	ft-lbs
Optimum Torque	6,449	ft-lbs	Yield	16,932	ft-lbs

