

HYDRA 5.5in. x 23 lb/ft P110 EB Flush Joint



HYDRA

Pipe Body

Nominal OD	5.500	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.415	inches
Plain End Weight	22.56	lb/ft
Standard Drift	4.545	inches
Nominal ID	4.670	inches
Grade	P110 EB	
Min Yield	125,000	lb/in ²
Min Tensile	130,000	lb/in ²
Critical Section Area	6.630	in ²
Pipe Body Yield Strength	829	kips
Min Internal Yield Pressure	16,510	psi
Collapse Pressure	16,720	psi

Connection

Connection OD	5.500	inches
Make Up Loss	5.000	inches
Critical Section Area	3.978	in ²
Internal Pressure Rating	13,200	psi
External Pressure Rating	16,720	psi
Tension Efficiency	60%	
Connection Strength	497	kips
Compression Efficiency	497	kips
Uniaxial Bend Rating	66	° / 100 ft
Reference Depth	14,699	Ft.
Optimal Make Up Torque	11,932	ft-lbs
Min	6,903	ft-lbs
Max	10,994	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	6,903	ft-lbs	Nom Shoulder Torque	1,500	ft-lbs
Max Make Up Torque	10,994	ft-lbs	Max Operating	22,273	ft-lbs
Optimum Torque	11,932	ft-lbs	Yield	27,955	ft-lbs

