

HYDRA 5.5in. x 23 lb/ft P-110 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	P-110	
Min Yield	110,000	lb/in ²
Min Tensile	125,000	lb/in ²
Critical Section Area	6.630	in ²
Pipe Body Yield Strength	729	kips
Min Internal Yield Pressure	14,530	psi
Collapse Pressure	14,540	psi

Connection

Connection OD	5.500	inches
Make Up Loss	5.000	inches
Critical Section Area	3.978	in ²
Internal Pressure Rating	11,620	psi
External Pressure Rating	14,540	psi
Tension Efficiency	60%	
Connection Strength	437	kips
Compression Efficiency	437	kips
Uniaxial Bend Rating	58	° / 100 ft
Reference Depth	12,926	Ft.
Optimal Make Up Torque	10,500	ft-lbs
Min	6,075	ft-lbs
Max	12,300	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	6,075	ft-lbs	Nom Shoulder Torque	1,500	ft-lbs
Max Make Up Torque	12,300	ft-lbs	Max Operating	19,600	ft-lbs
Optimum Torque	10,500	ft-lbs	Yield	24,600	ft-lbs

