



## HYDRA 5.5in. x 23 lb/ft P-110 Flush Joint



### 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	lbf/in <sup>2</sup>
Min Tensile	125,000	lbf/in <sup>2</sup>
Critical Section Area	6.630	in <sup>2</sup>
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 <sup>2</sup>
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	9,675	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	9,675	ft-lbs	Max Operating	19,600	ft-lbs
Optimum Torque	10,500	ft-lbs	Yield	24,600	ft-lbs

