

## HYDRA 5.5in. x 17 lb/ft P-110 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	P-110	
Min Yield	110,000	lb/in <sup>2</sup>
Min Tensile	125,000	lb/in <sup>2</sup>
Critical Section Area	4.962	in <sup>2</sup>
Pipe Body Yield Strength	546	kips
Min Internal Yield Pressure	10,640	psi
Collapse Pressure	7,480	psi

### Connection

Connection OD	5.500	inches
Make Up Loss	4.463	inches
Critical Section Area	2.977	in <sup>2</sup>
Internal Pressure Rating	8,510	psi
External Pressure Rating	7,480	psi
Tension Efficiency	60%	
Connection Strength	328	kips
Compression Efficiency	328	kips
Uniaxial Bend Rating	57	° / 100 ft
Reference Depth	12,931	Ft.
Optimal Make Up Torque	6,850	ft-lbs
Min	5,625	ft-lbs
Max	8,050	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	5,625	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	8,050	ft-lbs	Max Operating	13,600	ft-lbs
Optimum Torque	6,850	ft-lbs	Yield	16,800	ft-lbs

