

## HYDRA 6in. x 24 lb/ft P-110 Flush Joint



### Pipe Body

Nominal OD	6.000	inches
Nominal Weight	24.00	lb/ft
Wall Thickness	0.400	inches
Plain End Weight	23.95	lb/ft
Standard Drift	5.075	inches
Nominal ID	5.200	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	7.037	in <sup>2</sup>
Pipe Body Yield Strength	774	kips
Min Internal Yield Pressure	12,830	psi
Collapse Pressure	11,460	psi

### Connection

Connection OD	6.000	inches
Make Up Loss	4.230	inches
Critical Section Area	4.222	in <sup>2</sup>
Internal Pressure Rating	10,270	psi
External Pressure Rating	11,460	psi
Tension Efficiency	60%	
Connection Strength	464	kips
Compression Efficiency	464	kips
Uniaxial Bend Rating	53	° / 100 ft
Reference Depth	12,927	Ft.
Optimal Make Up Torque	10,825	ft-lbs
Min	8,750	ft-lbs
Max	12,900	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	8,750	ft-lbs	Nom Shoulder Torque	1,010	ft-lbs
Max Make Up Torque	12,900	ft-lbs	Max Operating	22,700	ft-lbs
Optimum Torque	10,825	ft-lbs	Yield	28,400	ft-lbs

