



## HYDRA 5.5in. x 17 lb/ft J-55 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	J-55	
Min Yield	55,000	lb/in <sup>2</sup>
Min Tensile	75,000	lb/in <sup>2</sup>
Critical Section Area	4.962	in <sup>2</sup>
Pipe Body Yield Strength	273	kips
Min Internal Yield Pressure	5,320	psi
Collapse Pressure	4,910	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	4,260	psi
External Pressure Rating	4,910	psi
Tension Efficiency	60%	
Connection Strength	164	kips
Compression Efficiency	164	kips
Uniaxial Bend Rating	29	° / 100 ft
Reference Depth	6,465	Ft.
Optimal Make Up Torque	3,425	ft-lbs 
Min	2,813	ft-lbs 
Max	4,025	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	2,813	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	4,025	ft-lbs	Max Operating	6,800	ft-lbs
Optimum Torque	3,425	ft-lbs	Yield	8,400	ft-lbs

