

## HYDRA 5in. x 18 lb/ft J-55 Flush Joint



### Pipe Body

Nominal OD	5.000	inches
Nominal Weight	18.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	17.95	lb/ft
Standard Drift	4.151	inches
Nominal ID	4.276	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	5.275	in <sup>2</sup>
Pipe Body Yield Strength	290	kips
Min Internal Yield Pressure	6,970	psi
Collapse Pressure	7,390	psi

### Connection

Connection OD	5.000	inches
Make Up Loss	4.625	inches
Critical Section Area	3.165	in <sup>2</sup>
Internal Pressure Rating	5,570	psi
External Pressure Rating	7,390	psi
Tension Efficiency	60%	
Connection Strength	174	kips
Compression Efficiency	174	kips
Uniaxial Bend Rating	32	° / 100 ft
Reference Depth	6,462	Ft.
Optimal Make Up Torque	3,625	ft-lbs
Min	2,988	ft-lbs
Max	4,263	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	2,988	ft-lbs	Nom Shoulder Torque	500	ft-lbs
Max Make Up Torque	4,263	ft-lbs	Max Operating	8,000	ft-lbs
Optimum Torque	3,625	ft-lbs	Yield	10,000	ft-lbs

