

## HYDRA 3.5in. x 9.2 lb/ft J-55 Flush Joint

Pipe Body		
Nominal OD	3.500	inches
Nominal Weight	9.20	lb/ft
Wall Thickness	0.254	inches
Plain End Weight	8.81	lb/ft
Standard Drift	2.867	inches
Nominal ID	2.992	inches
Grade	J-55	
Min Yield	55,000	lbf/in²
Min Tensile	75,000	lbf/in²
Critical Section Area	2.590	in²
Pipe Body Yield Strength	142	kips
Min Internal Yield Pressure	6,990	psi
Collapse Pressure	7,400	psi

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Connection		K <i>P</i>
Connection OD	3.500	inches
Make Up Loss	3.938	inches
Critical Section Area	1.554	in²
Internal Pressure Rating	5,590	psi
External Pressure Rating	7,400	psi
Tension Efficiency	60%	
Connection Strength	85	kips
Compression Efficiency	85	kips
<b>Uniaxial Bend Rating</b>	46	° / 100 ft
Reference Depth	6,447	Ft.
Optimal Make Up Torque	1,288	ft-lbs 👖
Min	1,088	ft-lbs 🚺
Max	1,488	ft-lbs
	v1.0	12/12/2019

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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, bouyancy or other load considerations.

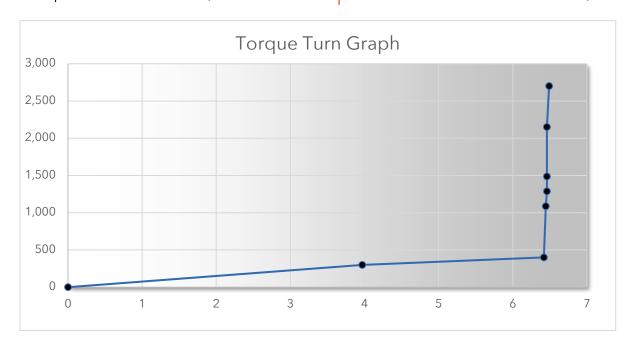




## Torque Data Sheet - HYDRA

HYDRA 3.5in. x 9.2 lb/ft J-55 Flush Joint

Min Make Up Torque	1,088	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	1,488	ft-lbs	Max Operating	2,150	ft-lbs
Optimum Torque	1,288	ft-lbs	Yield	2,700	ft-lbs



12/12/2019