



HYDRA 3.5in. x 9.2 lb/ft L-80 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	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	2.590	in ²
Pipe Body Yield Strength	207	kips
Min Internal Yield Pressure	10,160	psi
Collapse Pressure	10,540	psi

Connection

Connection OD	3.500	inches
Make Up Loss	3.938	inches
Critical Section Area	1.554	in ²
Internal Pressure Rating	8,130	psi
External Pressure Rating	10,540	psi
Tension Efficiency	60%	
Connection Strength	124	kips
Compression Efficiency	124	kips
Uniaxial Bend Rating	66	° / 100 ft
Reference Depth	9,398	Ft.
Optimal Make Up Torque	1,873	ft-lbs 
Min	1,582	ft-lbs 
Max	2,164	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

HYDRA 3.5in. x 9.2 lb/ft L-80 Flush Joint

Min Make Up Torque	1,582	ft-lbs	Nom Shoulder Torque	400	ft-lbs
Max Make Up Torque	2,164	ft-lbs	Max Operating	3,127	ft-lbs
Optimum Torque	1,873	ft-lbs	Yield	3,927	ft-lbs

