



HYDRA 7.625in. x 39 lb/ft CYP-110 Flush Joint



Pipe Body

| | | |
|-----------------------------|---------|---------------------|
| Nominal OD | 7.625 | inches |
| Nominal Weight | 39.00 | lb/ft |
| Wall Thickness | 0.500 | inches |
| Plain End Weight | 38.08 | lb/ft |
| Standard Drift | 6.500 | inches |
| Nominal ID | 6.625 | inches |
| Grade | CYP-110 | |
| Min Yield | 110,000 | lbf/in ² |
| Min Tensile | 125,000 | lbf/in ² |
| Critical Section Area | 11.192 | in ² |
| Pipe Body Yield Strength | 1231 | kips |
| Min Internal Yield Pressure | 12,620 | psi |
| Collapse Pressure | 11,080 | psi |

Connection

| | | |
|--------------------------|--------|----------------------------------------------------------------------------------------------|
| Connection OD | 7.625 | inches |
| Make Up Loss | 4.720 | inches |
| Critical Section Area | 6.715 | in ² |
| Internal Pressure Rating | 10,100 | psi |
| External Pressure Rating | 11,080 | psi |
| Tension Efficiency | 60% | |
| Connection Strength | 739 | kips |
| Compression Efficiency | 739 | kips |
| Uniaxial Bend Rating | 42 | ° / 100 ft |
| Reference Depth | 12,931 | Ft. |
| Optimal Make Up Torque | 21,550 | ft-lbs  |
| Min | 17,175 | ft-lbs  |
| Max | 25,925 | 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 7.625in. x 39 lb/ft CYP-110 Flush Joint

| | | | | | |
|--------------------|--------|--------|---------------------|--------|--------|
| Min Make Up Torque | 17,175 | ft-lbs | Nom Shoulder Torque | 1,620 | ft-lbs |
| Max Make Up Torque | 25,925 | ft-lbs | Max Operating | 40,150 | ft-lbs |
| Optimum Torque | 21,550 | ft-lbs | Yield | 50,200 | ft-lbs |

