



HYDRA 5.5in. x 17 lb/ft CYP-110 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 | CYP-110 | |
| Min Yield | 110,000 | lb/in ² |
| Min Tensile | 125,000 | lb/in ² |
| Critical Section Area | 4.962 | in ² |
| Pipe Body Yield Strength | 546 | kips |
| Min Internal Yield Pressure | 10,640 | psi |
| Collapse Pressure | 7,480 | psi |

Connection

| | | |
|--------------------------|--------|--|
| Connection OD | 5.500 | inches |
| Make Up Loss | 4.463 | inches |
| Critical Section Area | 2.977 | in ² |
| Internal Pressure Rating | 8,510 | psi |
| External Pressure Rating | 7,480 | psi |
| Tension Efficiency | 60% | |
| Connection Strength | 328 | kips |
| Compression Efficiency | 328 | kips |
| Uniaxial Bend Rating | 57 | ° / 100 ft |
| Reference Depth | 12,931 | Ft. |
| Optimal Make Up Torque | 6,850 | ft-lbs  |
| Min | 5,625 | ft-lbs  |
| Max | 8,050 | 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 5.5in. x 17 lb/ft CYP-110 Flush Joint

| | | | | | |
|--------------------|-------|--------|---------------------|--------|--------|
| Min Make Up Torque | 5,625 | ft-lbs | Nom Shoulder Torque | 500 | ft-lbs |
| Max Make Up Torque | 8,050 | ft-lbs | Max Operating | 13,600 | ft-lbs |
| Optimum Torque | 6,850 | ft-lbs | Yield | 16,800 | ft-lbs |

