

## Precision Connections BK

4.5 in. 12.6 lb/ft P-110 with 5 in. Coupling OD

### Pipe Body

|                             |         |                    |
|-----------------------------|---------|--------------------|
| Nominal OD                  | 4.500   | inches             |
| Nominal Weight              | 12.60   | lb/ft              |
| Wall Thickness              | 0.271   | inches             |
| Plain End Weight            | 12.25   | lb/ft              |
| Drift                       | 3.833   | inches             |
| Nominal ID                  | 3.958   | inches             |
| Grade                       | P-110   |                    |
| Min Yield                   | 110,000 | lb/in <sup>2</sup> |
| Min Tensile                 | 125,000 | lb/in <sup>2</sup> |
| Critical Section Area       | 3.600   | in <sup>2</sup>    |
| Pipe Body Yield Strength    | 396     | kips               |
| Min Internal Yield Pressure | 11,590  | psi                |
| Collapse Pressure           | 9,210   | psi                |

### Connection

|                          |        |                                                                                              |
|--------------------------|--------|----------------------------------------------------------------------------------------------|
| Coupling OD              | 5.000  | inches                                                                                       |
| Coupling Length          | 7.875  | inches                                                                                       |
| Make Up Loss             | 3.938  | inches                                                                                       |
| Coupling Critical Area   | 4.472  | in <sup>2</sup>                                                                              |
| Internal Pressure Rating | 100%   |                                                                                              |
| External Pressure Rating | 100%   |                                                                                              |
| Tension Efficiency       | 100%   |                                                                                              |
| Connection Strength      | 396    | kips                                                                                         |
| Compression Efficiency   | 100%   |                                                                                              |
| Joint Strength           | 416    | kips                                                                                         |
| Uniaxial Bend Rating     | 100.9  | ° / 100 ft                                                                                   |
| Min Make Up Torque       | 2,600  | ft-lbs  |
| Yield Torque             | 10,000 | ft-lbs  |

v1.2

8/23/2021



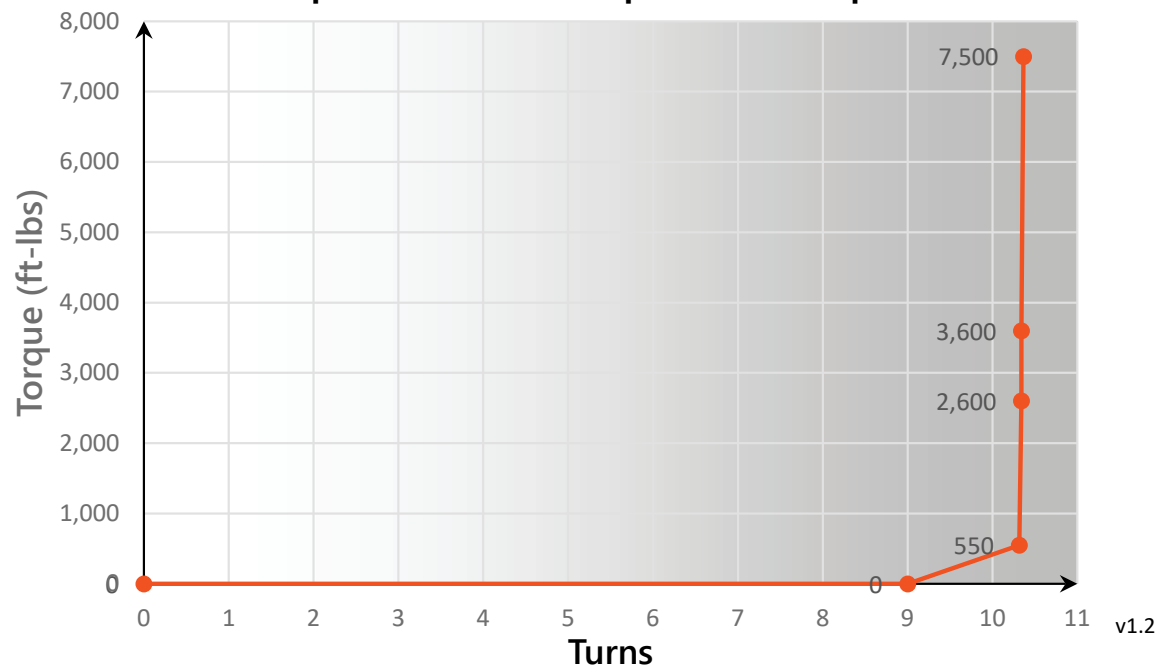
## Torque Data Sheet - Precision Connections BK

4.5 in. 12.6 lb/ft P-110 with 5 in. Coupling OD

|                    |       |        |
|--------------------|-------|--------|
| Min Make Up Torque | 2,600 | ft-lbs |
| Max Make Up Torque | 7,500 | ft-lbs |
| Optimum Torque     | 3,600 | ft-lbs |

|                      |        |        |
|----------------------|--------|--------|
| Max Operating Torque | 8,500  | ft-lbs |
| Yield Torque         | 10,000 | ft-lbs |

**Representative Torque Turn Graph**



v1.2

8/23/2021