

DDS BREECH-LOC CONNECTOR



Frank's DDS Breech-Loc connector system uses the same thread pitch as its standard DDS connector. The standard DDS and the Breech-Loc connector are interchangeable, allowing the pin and box to be made-up to one another. The Breech-Loc connector, like the standard DDS connector, utilizes a low angle helix thread design that ensures a positive lock through torque and radial interference. Although this thread design eliminates the need for anti-rotation locking devices, a positive mechanical locking device is available upon request.

The Breech-Loc connector design requires only one-tenth of a turn to ensure full make-up. This connector can be made-up using either manual rig tongs or power tongs. This design was prompted for use in areas of the world where power tongs are not readily available. Breech-Loc connectors are fully drivable and can be driven using Diesel or Hydraulic Hammers.

Like the standard DDS connector, all axial drive forces applied to the connector are transmitted through the mating shoulders and pin noses of the connector and not the threads. This reduces the possibility of thread damage and enhances the reuse of the connector.



24" X 1" Breech-Loc Connection System	
O.D. of Pipe, in	24
Casing Weight, lb/ft	245.6
I.D. of Pipe, in	22
Casing Wall Thickness, in	1
O.D. of Connector, in	24
I.D. of Connector, in	22
Bending Capacity - Pipe, lb-ft	1,729,000
Bending Capacity - Connector, lb-ft	1,065,000
Compressive Capacity - Pipe, lb	4,769,000
Compressive Capacity - Connector, lb	4,960,000
Tensile Capacity - Pipe, lb	4,769,000
Tensile Capacity - Connector, lb	1,590,000
Burst Pressure - Pipe, psi	3,920
Burst Pressure - Connector, psi	5,270
Collapse Pressure - Pipe, psi	2,560
Collapse Pressure - Connector, psi	3,080

30" X 1" Breech-Loc Connection System	
O.D. of Pipe, in	30
Casing Weight, lb/ft	309.7
I.D. of Pipe, in	28
Casing Wall Thickness, in	1
O.D. of Connector, in	30
I.D. of Connector, in	28
Bending Capacity - Pipe, lb-ft	2,770,000
Bending Capacity - Connector, lb-ft	1,700,000
Compressive Capacity - Pipe, lb	6,013,000
Compressive Capacity - Connector, lb	6,254,000
Tensile Capacity - Pipe, lb	6,013,000
Tensile Capacity - Connector, lb	2,004,000
Burst Pressure - Pipe, psi	3,110
Burst Pressure - Connector, psi	3,080
Collapse Pressure - Pipe, psi	1,660
Collapse Pressure - Connector, psi	1,840