

# F-22 TENSION CONTROL SHEAR WRENCH

## SUITABLE FOR NEXGEN2 BLIND BOLT

### F-22 TC Shear Wrench & M20 Spline Adapter

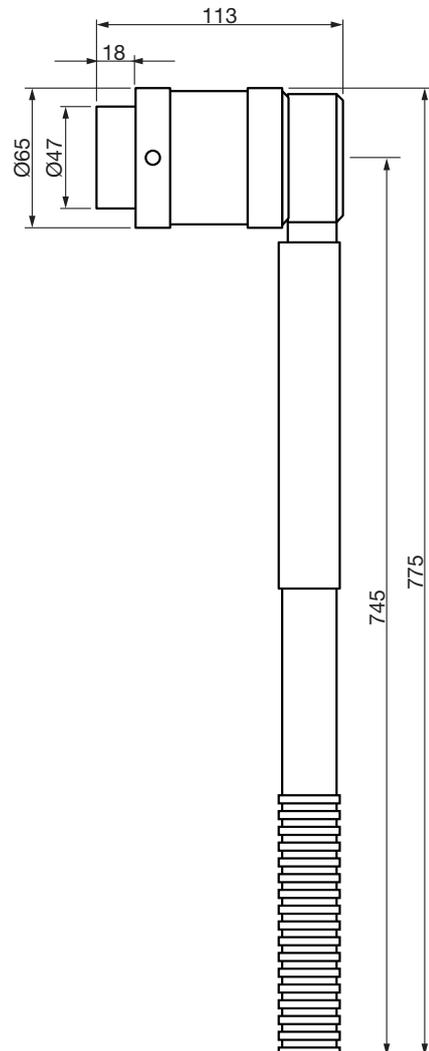
Manual shear wrenches are specially designed for installing tension control bolts such as the NexGen2 (NG2) blind bolt. Lightweight and easy to use the shear wrench has an outer socket which will rotate the hex nut anti clock wise whilst clutching the spline of bolt with its inner socket turning it in clockwise direction.

Manual TC shear wrenches are ideal for hard to reach application or when our electric shear wrenches are not suitable.

- Diameter Capacity: M12, M16, M20, M22 (1/2", 5/8", 3/4", 7/8")
- Max Torque: 700Nm
- Weight: 2.75 kg

### Basic Installation Procedure:

1. Insert the bolt through the connection and then place the washer chamfered side facing outwards onto the bolt followed by the nut. Nut markings must be visible for inspection to ensure quality assurance.
2. Using the F-22 shear wrench, engage the inner socket over the bolt spline and the outer socket over the nut. Ensure that both inner and outer sockets are fully engaged before proceeding.
3. Lever the handle in a clockwise manner. The outer socket rotates clockwise and tightens the nut to an initial bedding torque. When you hear a "PANG" like sound the correct preload is reached the outer socket stops rotating, the inner socket counter rotates and shears the spline off.
4. Remove F-22 shear wrench from the nut. The sheared spline is retained inside the inner socket and shall be removed before proceeding with the next bolt.



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