



DST SAFETY JOINT

Product No. 0701-0X8800-TM

The *Safety Joint* Assembly is a compact left-hand release, which allows a minimum number of tools to be left in the hole, if it becomes necessary to unlatch the *Safety Joint*.

The male and female parts of the *Safety Joint* are locked together by a Ratchet Ring. The *Safety Joint* is released with left hand rotation, which requires only 20% of the torque required to break other tool joints in the string. This feature makes it very difficult to back off unintentionally, during normal drillstem testing operations.

OPERATING PROCEDURES

Safety Joints should be sent to the field in the released or loosened condition, and should be made-up on each individual job under the same conditions as the rest of the tool joints in the drill string, or tubing, on which these are run.

The Safety Joint can be backed off in three simple steps, as follows:

- 1) Pipe weight on the Safety Joint should be neutralized or in a very slight tension of 500 DaN (1,000 pounds).
- 2) Apply a left-hand torque at the surface, being careful not to exceed make-up torque of the tool joints.
- 3) Actual number of rotations required at the tool to release the Safety Joint is six rotations. During left hand rotation, the pipe weight will decrease, and it may be necessary to pull slightly upward, to maintain neutral weight or light tension on the string.

The Safety Joint may be re-engaged as follows:

- 1) Lower the string until the pin section contacts the box section.
- 2) Apply a minimum amount of weight, and rotate slowly to the right. An increase in torque will indicate the Safety Joint is engaged.

