NORTHSTAR
DOWNHOLE SPECIALISTS

TORQUE SAFETY JOINT

DESCRIPTION

The Torque Safety Joint is a threaded joint that can be separated downhole by applying torque to the work string. It provides a controlled release point in the event of a stuck bottom hole assembly. When the joint is released, a coarse thread is exposed at the top of the section that remains in the well. An included retrieval tool can be threaded into the retrieval thread to permit jarring and fishing operations using the same workstring.

Right-hand and left-hand release versions are available.

APPLICATIONS

- Drill stem testing
- Fracking, injection and stimulation operations
- Tubing-conveyed perforating
- Drilling

FEATURES

- Friction ring prevents loosening of joint
- High torque setting for right-hand release version
- Long travel for positive indication of release at surface
- Short, compact design
- Full-bore

SPECIFICATIONS

	3110CA	3110CS
O.D. in [mm]	5.0 [127]	3.125 [79]
I.D. in [mm]	2.25 [57]	1.125 [29]
LENGTH (excluding end connections) in [m]	28 [0.71]	20 [0.51]
OPERATING LOAD lbf [kN]	150,000 [667]	90,000 [400]
MAX. TEMPERATURE °F [°C]	350 [177]	350 [177]
PRESSURE, ABSOLUTE psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE, DIFFERENTIAL (annulus/tubing) psi [kPa]	15,000 [103,421]	15,000 [103,421]
TENSILE STRENGTH lbf [kN]	408,000 [1,810]	180,000 [801]
CONNECTIONS (premium connections available)	3-1/2" API IF	2 3/8" API REG
SERVICE	Standard and sour service per NACE MR0175	

*These specifications are guidelines only. Refer to the equipment technical manual, or contact Northstar for more information.