The Rubicon SwivelMASTER® series Casing Swivel (CS) is a permanent addition to the casing string that allows the upper casing section to be rotated independently from the lower section to reduce friction while running in hole. This reduction in drag allows the completion to be run farther than by sliding only.

The SwivelMASTER CS is similar to the Rubicon SwivelMASTER although placed much lower in the casing string, thus allowing a much larger portion of the casing to be rotated, increasing probability of reaching TD. Unlike the standard SwivelMASTER, the Casing Swivel is designed to be a permanent part of the casing string, and is therefore designed with appropriate seals for a long service life.

The Casing Swivel also allows the upper portion of the liner or casing to be rotated while cementing independently from the stationary lower section thus improving the cement job across the rotating section. It can also be utilized in full casing strings to allow part of the string to be rotated to reduce drag where the torque required to rotate the entire string exceeds the capability of the connections.

MAKING IT BETTER
The Rubicon SwivelMASTER CS provides a low risk addition to the work string that provides the ability to push casings, liners and the completion string further in ERD wells.

Applications
Provides enhanced completion options particularly on horizontal and ERD wells by allowing partial string rotation during various completion operations including:

- ERD casing running operations – allows upper casing/liner string to be rotated independently of lower non-rotatable screen sections
- Cementing operations – improves cement distribution and bond by allowing rotation of the upper casing section
- Emergency back off operations – integral clutch locks rotation for compatibility with liner running tools that require left hand rotation

Features
- Heavy duty bearing pack allows rotation for 32 hours with 50 tonnes of load in both tension and compression
- One-way clutch allows rotation to the right but is locked to the left
- Full drift ID to match completion or casing
- Matched to client string specifications
- High specification (3000 psi) rotary permanent seals with the addition of swellable back up in some sizes

Benefits
- Extends completion options on ERD wells by reducing drag on the upper portion of the casing string that can be rotated
- Increases probability of reaching TD in ERD wells
- Allows partial pipe rotation when torque has reached its limit
- Provides an improved cement bond over the area that is rotating
- Simple tool to deploy
- Provides increased recovery capabilities should the string fail to reach TD by reducing drag
- Reduces the recovery cost of a stuck in hole incident by increasing pulling capabilities