



Rotating Tubing Anchor

Weatherford's rotating tubing anchor (RTA) is designed for well completions where suspended production-tubing rotates and works in conjunction with Weatherford's Rotating Breech Lock™ (RBL) tubing-hanger system. The RTA keeps tubing in tension while enabling the tubing string to rotate at the same time.

Applications

- Onshore and offshore operations
- Sucker-rod/pump-jack systems
- Reciprocating-rod and artificial-lift systems
- Progressing-cavity-pumping systems
- Works in conjunction with the RBL tubing hanger system

Features, Advantages and Benefits

- The ease of operation in conjunction with the RBL tubing hanger system provides a more economical solution, reducing operating costs.
- The RTA secures the production tubing in tension while allowing the full tubing string to rotate, maximizing long term performance, and enhancing overall production revenues.
- The RTA helps reduce tubing wear from reciprocating-rod-lift or progressing-cavity-pumping systems, extending the life of the production tubing string(s), and preventing costly workover operations to the well.

Specifications

The RTA is available with a casing operating range from 7 in., 23 lb/ft (34 kg/m) to 7 in., 32 lb/ft (48 kg/m) and with a casing inside diameter (ID) of 5.990- to 6.466-in. The optimum load rating is 10,000 lb (4535 kg) and has a maximum load rating of 30,000 lb (13 607 kg) with 1,600 lb (725 kg) for the minimum force to set slips. An emergency shear-out occurs at 60,000 lb (27 215 kg) nominal.

Patent pending

