

Date of Issue: December 2022

Affected Publication: API Specification 16F, *Specification for Marine Drilling Riser Equipment*, Second Edition, November 2017 (Effective Date: May 1, 2018)

Addendum 2

New section: The following section shall be added after 15.3, and all subsequent sections shall be renumbered.

15.4 Tension Ring or Hands-free Gooseneck—Secondary Locking

15.4.1 General

A mechanical secondary lock shall be installed to prevent the unintended release from the storage and operating position(s).

15.4.2 Design

The secondary lock system shall be designed to maintain engagement of the primary locking system, even if the primary unlock function is engaged. The lock system design shall account for other loads that may arise in rated operating conditions.

NOTE 1 Examples of secondary lock(s) may include:

- hitch pins;
- secondary bolts.

NOTE 2 A discrete remote function to actuate the secondary lock is permissible, provided that this remote function is not required to keep the secondary lock engaged.

15.4.3 Prototype Testing

A prototype test shall validate the ability of the secondary lock mechanism to maintain the primary locks in the locked position, even if the primary unlock function is engaged. This test load shall be 1.25 times the design load. Testing of the secondary lock in a fixture is permissible.

15.4.4 Production Testing

Production testing shall include a function test of the secondary unlock design load.