

RCS-500 Completion Slips

Function as a spider to handle tubulars in completion-running operations

Applications

- Casing and tubing strings with outside diameters (OD) of up to 7-5/8 in. (194 mm)
- Completion strings requiring passage of control lines and/or umbilicals with diameters up to 6 in. (152 mm)
- Special alloy completion strings
- Subsea completion and landing strings
- Production, completion, and workover risers
- Chrome tubulars, including super-chrome and hyper-chrome pipe

Features and Benefits

- A control-line enclosure helps to protect control lines from damage when the slips move.
- The slip setback is a minimum of 8 in. (203 mm) greater than the pipe diameter, which enables the passage of large-OD control-line protectors.
- The flush-mounted, low-profile design reduces stump height to eliminate the need for work scaffolds and enhance safety.
- A fail-safe hydraulic circuit prevents the slips from opening or closing unexpectedly if hydraulic pressure is lost.
- RCS-500 slips enable the operator to run completion and landing strings with the same tool for more efficient operations.
- The slips are compatible with all 37 1/2-in. rotary profiles for use on most rig types.
- For added safety and efficiency, the slips can be used with the AutoCLAMP™ system. This system eliminates personnel from hazardous areas of the rig during tubular-running operations.
- The slips are available with Weatherford Micro-Grip® insert technology or standard inserts.

Tool Description

The Weatherford RCS-500 completion spider has a 500-ton (453,592-kg) rating to handle tubulars in completion-running operations. The spider also accommodates large-OD string components, including multiple control-line configurations, large umbilicals, and associated protection hardware.

Legacy tool-handling technology frequently requires removal of the spider from the rotary. However, because the rotary-mounted RCS-500 completion spider has a minimum setback of 8 in. (203 mm) greater than the pipe OD, the slips do not have to be removed during completion running.

The spider design reduces slips-crushing potential. An integrated and interlocked control-line protection sleeve prevents damage by capturing the control lines before the slips move.



Rated to 500 tons (453,592 kg), RCS-500 completion slips handle tubulars as well as large-OD components. The slips are available with Micro-Grip inserts, which reduce die marks.



RCS-500 Completion Slips

Specifications

Pipe size range	2-3/8 to 7-5/8 in. (60 to 194 mm)
Load rating according to API 7K	500 tons (453,592 kg)
Control line/umbilical slot diameter	6 in. (152 mm)
Slip setback	8 in. (203 mm) + pipe size
Rotary table	37-1/2 in.

