

Removable Collar Screen-Handling System

Runs lower completion screens with less tubular contact than conventional handling equipment

Applications

- Running lower completion screens

Features and Benefits

- Because this collar requires significantly less tubular contact than conventional handling equipment, more of the tubular can be dedicated to hydrocarbon production.
- The system integrates with the Weatherford integrated safety interlock system, which prevents casing and tubing strings from being accidentally dropped.
- A fail-in-place hydraulic circuit in the system prevents movement during unexpected hydraulic power loss, which reduces the risk of dropped strings and enhances safety.
- A shock-absorbing system in the sliding collar table minimizes shock load on the string when string weight is transferred from the elevator to the table.
- The table eliminates the need to use lift subs for handling, which increases efficiency.



Specifically configured for use in the Weatherford removable collar screen-handling system, the ASD elevator (above) attaches to the collar (below) to enable lowering screens into the well.

Tool Description

The Weatherford removable collar screen-handling system runs lower completion screens using a minimum length of blank tubular for connections and handling. The system includes an application-specific collar (which is the interface between tubular and handling equipment), a sliding collar table, and a hydraulically operated automated side-door (ASD) elevator. With its 14.3-in. (363-mm) maximum pass-through diameter, the sliding collar table enables the pass-through of completion assemblies.

The collar is landed onto the sliding collar table, the elevator is opened, the next connection is picked up and made up to the string, and then the sliding table is opened and the string is lowered into the well. A shock-absorbing system in the sliding collar table minimizes shock load on the tubular string as the string weight is transferred from the elevator to the table.

Specifications

Load rating according to API 7K and 8C	75 tons (68,027 kg)
Opening in table	14.3 in. (363 mm)

