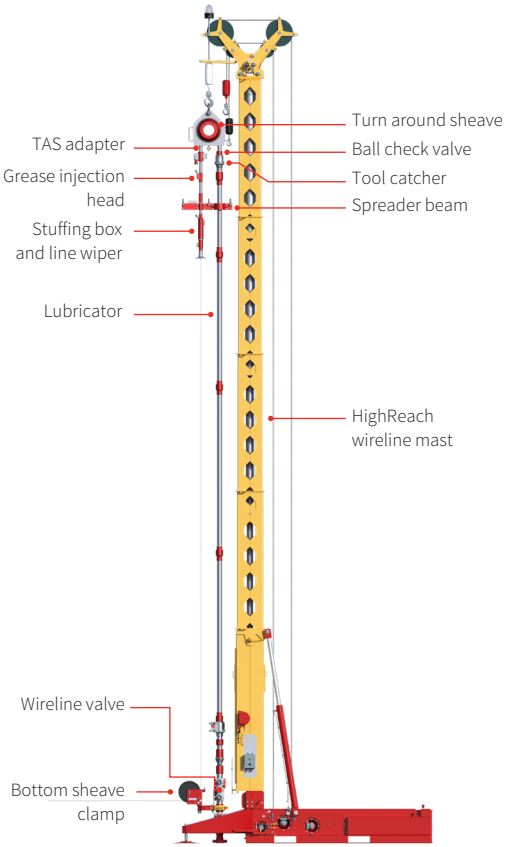
Elmar Turn Around Sheave - TAS

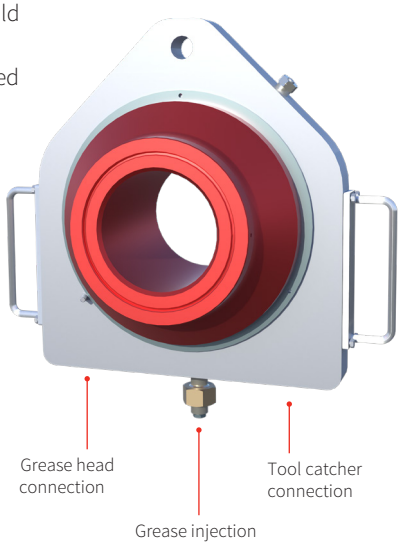
Our turn around sheave has been specially designed to reduce the overall height of the pressure equipment string.

In a conventional pressure equipment system, the top sheave is positioned above the tool catcher, grease injection control head and line wiper. By installing the sheave inside a pressure retaining chamber and connecting one side to the tool catcher, the grease injection control head and line wiper can be connected to the other side and run vertically downward, thus reducing the overall height of the system.

The design of the turn around sheave allows the operator to utilize existing equipment, eliminating the need to purchase all new items. The turn around sheave must be secured to a member rated to twice the maximum line pull (similar to a wireline top sheave) and cannot be used unsupported. To maximize bearing life a continuous flow of grease needs to be injected through the port and check valve provided ensuring debris and well fluids do not contact the bearings.

The internal design of the chamber is shaped so that should remedial work be required on the wireline the sheave axle can be disassembled and the sheave sub-assembly lowered within the chamber providing access to the wireline.

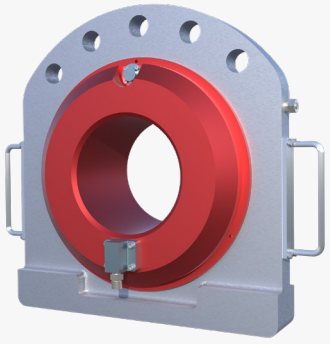




16-in. turn around sheave

Features and benefits

- Full material traceability and 3rd party independent approval covering API 6A, and NACE (for H_2S)
- Available up to 15,000 psi
- Available in 14-, 16-, and 20-in. versions
- Optimised design minimizes weight
- Reduces overall rig-up height
- Adapters to suit a variety of connections
- Bleed-off port for gas breakout from wireline
- Multiple padeye points to accommodate rig-up variations



20-in. turn around sheave

Options

14-, 16-, and 20-in. sheave diameters
10,000- or 15,000-psi working pressure
Sheave wheels for alternative line sizes
Adapters for grease head and tool catcher connection
Spreader beam – lubricator inserts required
Universal lower sheave clamp
Re-dress seal kit