

Well Construction

Frank's Tubular Running Service (TRS)

Collar Load Support (CLS™) System for Stands

When coupled with Expro's FLUID GRIP® System, this patented procedure provides the only non-marking/zero-mechanical-damage system in the industry for make-up and handling of completion tubulars.

For completions that include control and injection lines running downhole, Expro's COBRA™ Control Line Manipulator Arm can be coupled to the CLS™ System.

Features and benefits

- Allows the running of stands as well as singles
- Accommodates multiple control lines or large umbilicals typically encountered on high-tech completions
- Eliminates the potential for corrosion cracking as a result of stress concentrations induced by conventional handling equipment as the CLS™ System imparts no penetration impressions to the tubular
- Allows the running of threaded and coupled tubulars without inflicting damaging die penetration marks caused by typical slip-type elevators or spiders
- Minimizes the risk of slip crush or iron transfer as the tubular is supported by the load face, and not penetration, to avoid the slippage issues prevalent on certain alloys with conventional inserts
- Reduces the potential for shock loading of the coupling during the load transfer by the elastic compliance of the built-in shock table
- The shock table provides gentle deceleration of the joint and string during load transfer operations between the load transfer

Specifications

| Size (inch) | Safe working load rating (tons) |
|--------------------|---------------------------------|
| 3 1/2 - 4 1/2 | 150 |
| 5 - 7 ¹ | 350 |
| 7 5/8 | 400 |

1. 5 1/2-inch is currently the only design in production. SWL may increase or decrease for other sizes.

