



Shear Tool

Contingency tool for fiberglass rod removal

APPLICATIONS

- Wells with fiberglass sucker rod
- Wells with potential for stuck pumps

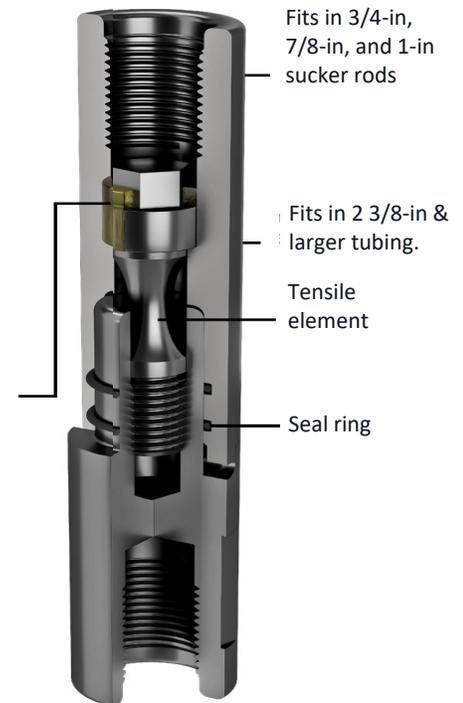
BENEFITS

- Enables easy retrieval of rods
- Prevents costly fishing jobs

FEATURES

- 3/4-in, 7/8-in, and 1-in sucker rods
- Tensile element epoxy-sealed for protection

For wells using fiberglass sucker rods, the Don-Nan shear tool is run above the pump to enable easy retrieval of rods. In the event that the predetermined amount of tension is exceeded when pulling the sucker rods, the Don-Nan shear tool's tensile element breaks and allows the rods from that point and up to be easily retrieved. The remaining rods and pump can subsequently be pulled from the well. The Don-Nan shear tool is rated by size to withstand differing degrees of tension. It is recommended that prior to pump installation the well be cleared of paraffin above the seating nipple to eliminate premature shearing caused by impact loading.



Don-Nan shear tool.

Don-Nan Shear Tool Specifications

Part Number	Tubing Size, in [mm]	Polished Rod Box Threads, in[mm]	Shear Value, psi [MPa]	Operational Load, lbm [kg]
STC1-1-18	2 ³ / ₈ [60.325]	3/4 [19.05]	18,000 [124.1]	3,700 [1,678.3]
STC1-1-21	2 ³ / ₈ [60.325]	3/4 [19.05]	21,000 [144.8]	4,400 [1,995.8]
STC1-1-26	2 ³ / ₈ [60.325]	3/4 [19.05]	26,000 [179.3]	5,400 [2,449.4]
STC1-1-33	2 ³ / ₈ [60.325]	3/4 [19.05]	33,000 [227.5]	6,800 [3,084.4]
STC1-2-18	2 ³ / ₈ [60.325]	7/8 [22.225]	18,000 [124.1]	3,700 [1,678.3]
STC1-2-21	2 ³ / ₈ [60.325]	7/8 [22.225]	21,000 [144.8]	4,400 [1,995.8]
STC1-2-26	2 ³ / ₈ [60.325]	7/8 [22.225]	26,000 [179.3]	5,400 [2,449.4]
STC1-2-33	2 ³ / ₈ [60.325]	7/8 [22.225]	33,000 [227.5]	6,800 [3,084.4]
STC2-2-21	2 ⁷ / ₈ [73.025]	7/8 [22.225]	21,000 [144.8]	4,400 [1,995.8]
STC2-2-26	2 ⁷ / ₈ [73.025]	7/8 [22.225]	26,000 [179.3]	5,400 [2,449.4]
STC2-2-33	2 ⁷ / ₈ [73.025]	7/8 [22.225]	33,000 [227.5]	6,800 [3,084.4]
STC2-3-21	2 ⁷ / ₈ [73.025]	1 [25.4]	21,000 [144.8]	4,400 [1,995.8]
STC2-3-26	2 ⁷ / ₈ [73.025]	1 [25.4]	26,000 [179.3]	5,400 [2,449.4]
STC2-2-33	2 ⁷ / ₈ [73.025]	1 [25.4]	33,000 [227.5]	6,800 [3,084.4]

¹ Example: STC1-2-26 (shear tool), 2%-in tubing, VB-in box connection, 15/8-in CID, 26,000-psi shear value, 5,400-lbm operational load.

BUILT TO LAST

Made to Perform

LUFKIN Don-Nan is an API 11AX certified manufacturer for 25 continuous years and counting.

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