

HEAVY DUTY ON-OFF TOOL



APPLICATIONS

- Any Sucker Rod Pump
- Ability to run oversized tubing pump

BENEFITS & FEATURES

- Disconnect rod string at pre-set location
- Minimizes wet string pull jobs when the pump is stuck
- 1/4 turn right hand unlatch design
- Proprietary heat treatment process for 4140 material to eliminate residual stresses and obtain high fatigue strength
- Heavy duty design with high fatigue load rating
- Available in high strength corrosion resistant materials
- High resilient spring to prevent premature release
- Machined to extreme close tolerances to eliminate unintended play for different well bore conditions

The Ellis Heavy Duty On-Off Tool gives the ability to connect and disconnect the sucker rod string at a predetermined location. This eliminates the need for pulling a wet tubing string when the pump is stuck. It also gives the ability to run an oversized tubing pump without replacing the entire tubing string. To unlatch the tool make a 1/4 turn to the right while engaging the clutch on the pump.

The Ellis Heavy Duty On-Off Tool is available in a variety of high strength corrosion resistant materials. Proprietary heat treatment on 4140 alloy steel eliminates residual stresses and gives an extremely high endurance limit for undergoing continuous cyclic loading.

High resilient spring design provides the right amount of resistance to easily latch and unlatch the tool while preventing premature release.

High quality machining processes adopted at Ellis Manufacturing allows us to maintain extremely close tolerances and produce components with smooth surface finishes and chatter free threads.



	OHD-90	OHD-100	OHD-110	OHD-120	OHD-130
Fatigue Load Rating* (lb.)					
718 Inconel	4510	5774	9507	11678	17534
4140 Alloy Steel	4043	5177	8480	10417	15533
400 Monel	3144	4026	6560	8059	11959
Specifications					
Tubing Size (in)	2-3/8	2-3/8	2-7/8	2-7/8	3-1/2
Sucker Rod Connection (in)	3/4, 7/8	3/4, 7/8	3/4, 7/8	7/8, 1	7/8, 1
Tool OD (in)	1.65	1.81	2.15	2.31	2.75

*Load rating calculated at 99% reliability with factor of safety 2. Adhering to load ratings will result in a minimum of 1 million cycles when operated in a corrosion treated environment.

ELLIS PUMPS & TOOLS LOCATIONS

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DISTRIBUTION CENTERS

PERMIAN BASIN

📍 8103 West Industrial, Midland, TX 79706

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Made in USA Est. 1993