



topcoilsite.com

## SUPER LIFT 25 TON LONG ROD HOOK Operators Manual

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554-578-950

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Thank-you for choosing Trico. We at Topco Oilsite Products design and build Trico equipment with you, the customer in mind.

To help ensure trouble-free operation of your equipment, read this manual carefully and follow its recommendations.

An authorized Topco facility knows your equipment best. So, when maintenance or service is necessary, that's the place to go.



### General Cautions and Warnings

Maximum working load indicates the greatest force or load a product can carry under usual environmental conditions. Shock loading and extraordinary conditions will reduce the maximum working load rating. The maximum working load rating may also be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, and other use conditions.

Regular inspection shall be conducted to determine whether use can be continued at the maximum working load rating, a reduced maximum working load rating, or whether the product shall be withdrawn from service.

### Important Notes About This Manual

All specifications and descriptions are accurate at the time of printing. Because continuous improvement is a goal at Topco, we reserve the right to make changes in specifications at any time without notice and without obligation.

*Please be aware that this manual applies to all models, equipment, and options. As a result, you may find some explanations not applicable to your equipment.*





### Quality

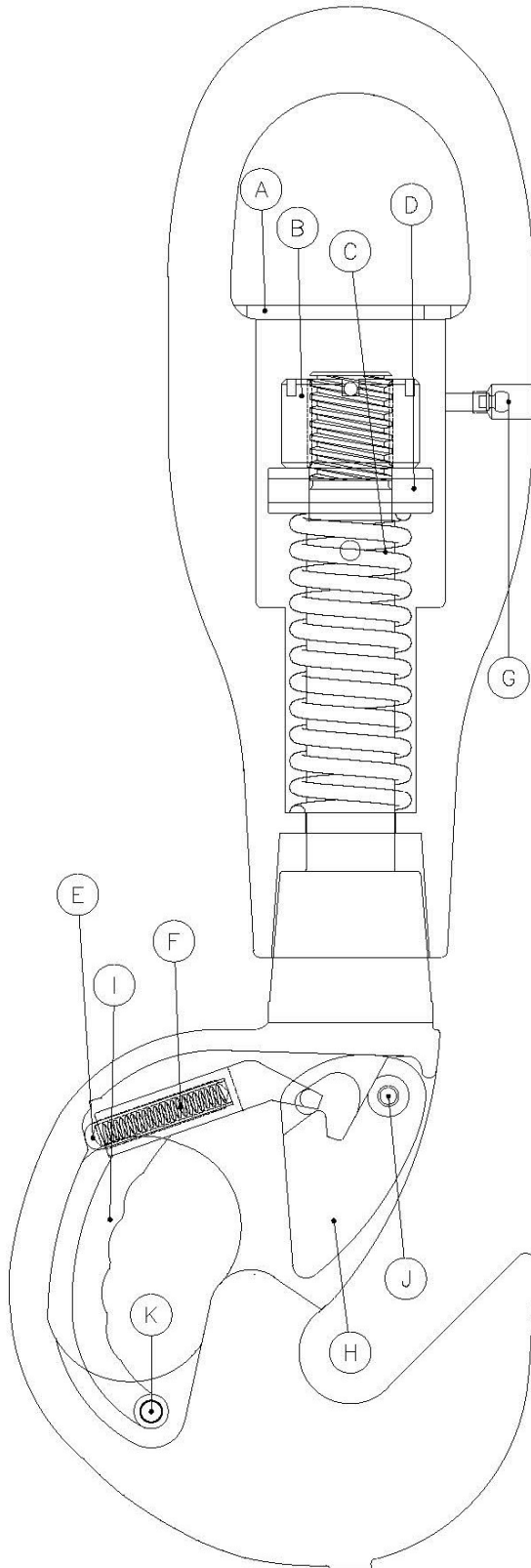
If you have any questions, concerns, or feedback regarding the quality of our products and services please contact us.

### Safety

Ensure equipment is operated in accordance with all government, regulatory and employer requirements.

### Markings

-  This symbol in the manual means "Do not let this happen."
-  This symbol means a minimum operating temperature of -20°C (-4°F).
-  This symbol means a minimum operating temperature of -46°C (50°F).
-  This symbol means failure to comply may result in damage or injury.

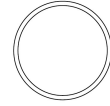


A. Grease Cap



554-542-500

Grease Cap Gasket



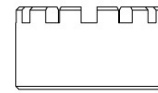
554-542-500G

2x Grease Cap Screw



554-542-600

B. Nut & Pin



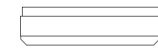
554-542-902

C. Coil Spring



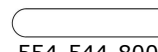
554-543-700

D. Bearing



554-543-400

E. Spring Housing



554-544-800

F. Spring



554-544-700

G. Grease Zerk



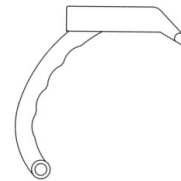
554-578-700

H. Latch



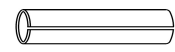
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I. Lever



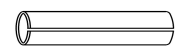
554-544-200

J. Latch Pin




554-543-105

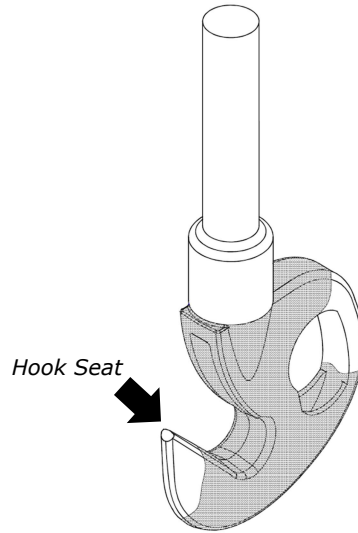
K. Lever Pin



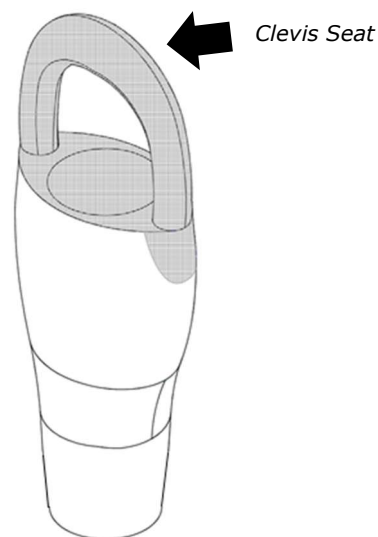
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Wear Limits		Critical Area
Hook Seat	Clevis Seat	
Minimum 2.80 in (71 mm)	Minimum 1.48 in (38 mm)	

**Body**



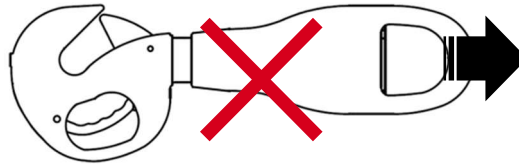
**Bail**





**WARNING: Failure to follow these directions could result in damage or injury.**

- ▶ Trico Rod Hooks are designed to support Trico Rod Elevators. Never use them for any other purpose.
- ▶ Trico Rod Hooks use a snap-in style latching mechanism. Never use them in a manner that may cause the latch to dis-engage.
- ▶ Only lift Hooks in a vertical direction using the clevis seat.
- ▶ Never exceed the maximum working load of the Hook.
- ▶ Never operate below the minimum operating temperature.



### New Equipment Specifications

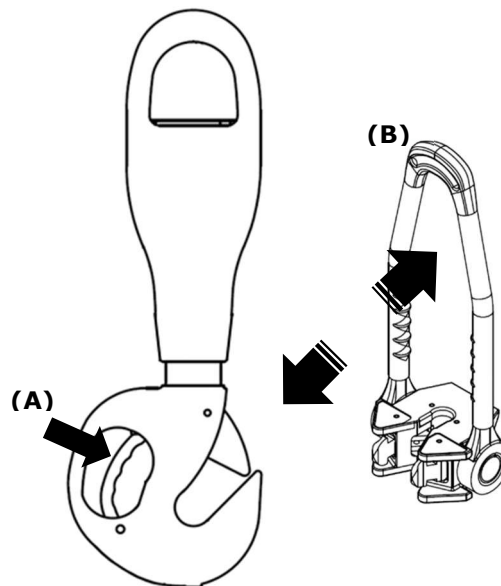
- ▶ Maximum Working Load: 25 short tons (50,000 lbs).
- ▶ Minimum Operating Temperature: -46°C (-50°F).

### Before Each Use

- ▶ Ensure the bail rotates freely.
- ▶ Ensure the bearing is greased for every 8 hours of operation.

### Inserting and Removing Elevators

- ▶ Engage the lever (A) to insert and remove an Elevator (B).





**WARNING: Failure to follow these directions could result in damage or injury.**

- ▶ Never weld, grind, or modify in any way.
- ▶ Only use Trico Original Equipment Manufacturer (“OEM”) replacement parts.
- ▶ Never operate a hook with a Non-OEM bearing.
- ▶ Never install a nut without a pin.



**Recommended Maintenance Practice**

API Recommended Practice 8B and CAOEC Recommended Practice 4.0 are approved for the maintenance of Trico Rod Hooks. At a minimum, it is recommended that all Category/Level III and IV maintenance be conducted at an authorized Trico inspection facility.

**Recommended Maintenance Schedule**

This schedule is a guide only. The equipment owner/operator should consider the following factors when building a maintenance schedule; environment, load cycles and operating time.

Category	Level	Type	Frequency		Method	Corrective Action
			API	CAOEC		
I		Visual	1 day (Daily)	1 day (Daily)	<ul style="list-style-type: none"> <li>• Observation during operation</li> </ul>	Contact Topco to locate an authorized Trico inspection facility.
II		Visual	7 days (Weekly)	7 days (Weekly)	<ul style="list-style-type: none"> <li>• Cracks</li> <li>• Loose connections</li> <li>• Yielding</li> <li>• Wear</li> <li>• Corrosion</li> </ul>	
III		Physical	6 months (Bi-annually)	1 year (Annually)	<ul style="list-style-type: none"> <li>• NDT of critical areas</li> <li>• Wear limits</li> </ul>	
IV		Disassembly	1 year (Annually)	6 years	<ul style="list-style-type: none"> <li>• Inspection at an authorized Trico facility</li> </ul>	

**Contact Information**

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