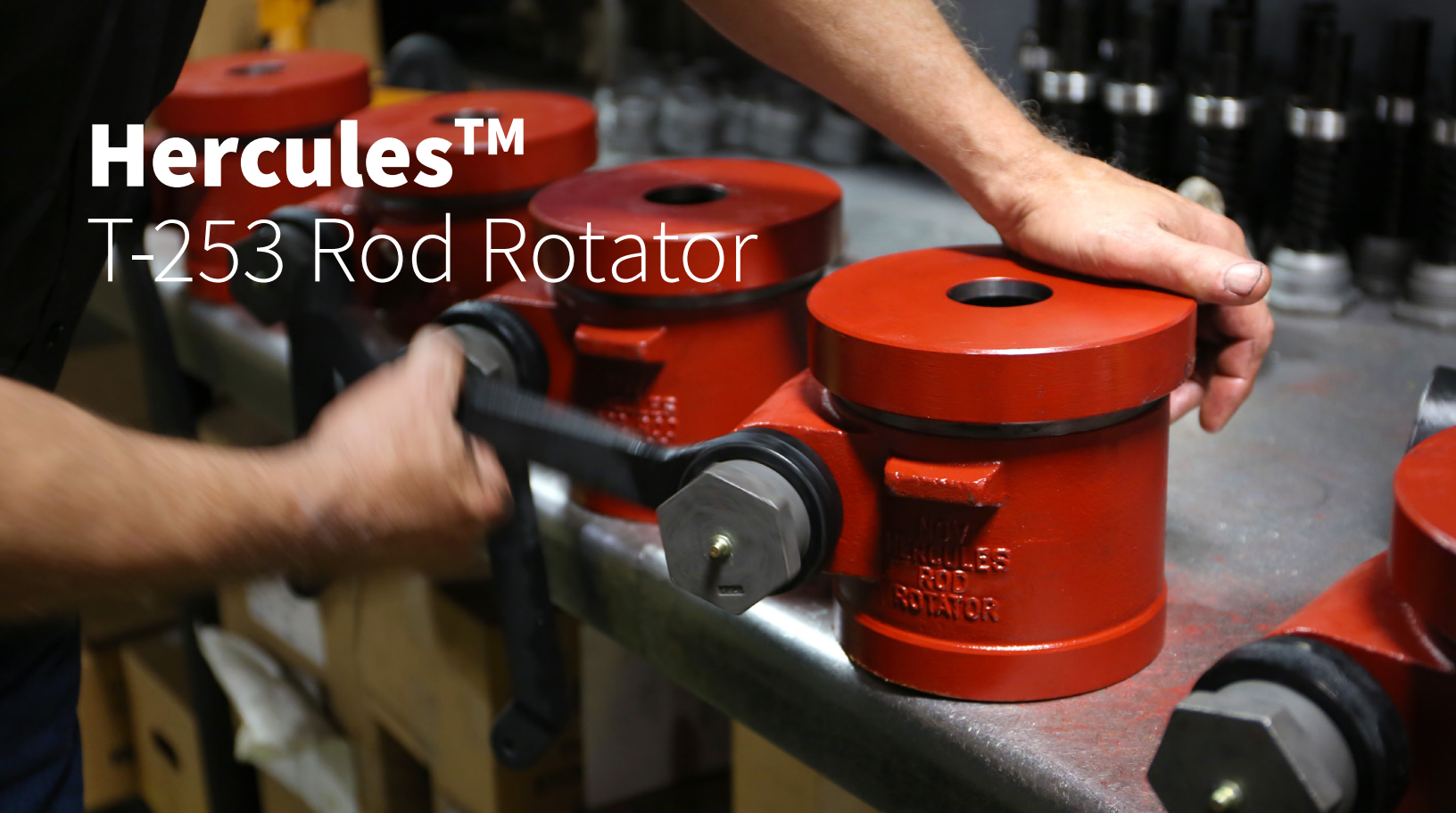


# Hercules™

## T-253 Rod Rotator



Rod rotation used in conjunctions with rod guides, is the most effective means of removing paraffin from inside the tubing and distributing wear evenly. This process also protects severe rod, rod coupling, and tubing wear. Hercules rod rotators are available in maximum recommended loads ranging from 13,000-40,000 lbs.

### Advanced Features of T-253 Rod Rotator:

- Utilizes a state-of-the-art clutch system to create rod rotation instead of the standard ratcheting mechanism
- Actuator lever and backstop components are internally greased over their operating life, which eliminates routine greasing, decreasing required maintenance
- Actuator lever and backstop components can be easily replaced in the field
- Actuator lever and backstop components have zero backlash to give the best possible rod rotation even when the angle of the rod rotator's lever pull is not optimal (<90 deg)

Specifications	T-164	T-164SG	T-252	T-253 <sup>1</sup>	T-302	T-302SG	T303 <sup>1</sup>	T303SG <sup>1</sup>
Max Output Torque (Ft/Lbs)	106	106	120	280	240	240	240	240
Max Recommended Load (Lbs)	13,000	13,000	33,000	33,000	40,000	40,000	40,000	40,000
Required Opening Between Bridle Lines	4"	4"	6"	6"	7"	7"	7"	7"
Polished Rod Sizes	1-1/8" thru 1-1/4"	1-1/8" thru 1-1/4"	1-1/8" thru 1-1/2"	1-1/8" thru 1-1/2"	1-1/8" thru 1-3/4"	1-1/8" thru 1-3/4"	1-1/8" thru 1-3/4"	1-1/8" thru 1-3/4"
Shipping Weight (Lbs)	18	18	35	36	47	47	48	48
Height	4-1/4"	4-1/4"	5-1/2"	5-3/4"	6-1/2"	6-1/2"	6-1/2"	6-1/2"
Rotation Type	Helical Gear	Helical Gear	Ratchet Table	Helical Gear	Helical Gear	Helical Gear	Helical Gear	Helical Gear
Body Material	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
Actuator Cable Length*	16'	16'	16'	16'	25'	25'	25'	25'
90° Lever Pulls Per Revolution	28	42	24	35	77	154	77	154
Actuator Type	Ratchet	Ratchet	Ratchet	Clutch	Ratchet	Ratchet	Clutch	Clutch
Identifying Colors	Body: Red Cap: Red Nut: Unpainted	Body: Yellow Cap: Yellow Nut: Unpainted	Body: Red Cap: Red Nut: Unpainted	Body: Red Cap: Red Nut: Gray	Body: Red Cap: Red Nut: Unpainted	Body: Yellow Cap: Yellow Nut: Unpainted	Body: Red Cap: Gray Nut: Gray	Body: Yellow Cap: Gray Nut: Gray

\* Cable lengths available upon request: 10", 16" and 25".

Note: Rotators must be under load to operate (except for no-slip models). "Bench testing" to verify functionality is not recommended.

<sup>1</sup> Patent Pending