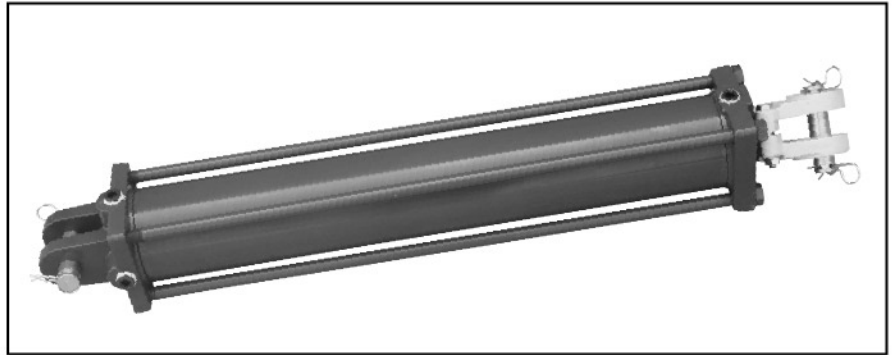




# Assembly & Instruction Manual

## 2500 PSI TIE ROD HYDRAULIC CYLINDER

Model **5173**



Distributed Exclusively By



**CUMMINS  
TOOLS**



Customer Service Postal Address:

1290 35 Road  
Minden, NE 68959  
voice: 1-(308) 832-2070  
fax: 1-(308) 832-2069

*You can purchase additional  
items at [www.cumminstools.com](http://www.cumminstools.com)*



**WARNING**

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions before performing any such task.

## **WARRANTY**

**PLEASE READ THESE INSTRUCTIONS CAREFULLY . NOTE THE SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE TO PROPERTY AND/OR SERIOUS PERSONAL INJURY. PLEASE KEEP THIS INSTRUCTION MANUAL SAFE FOR FUTURE USE.**

## **1. SAFETY INSTRUCTIONS AND WARNINGS**

- 1.1 Use a qualified person to maintain the cylinder in good condition. Keep it clean for best and safest performance.
- 1.2 The maximum load is 14tons. **DO NOT** exceed this rated capacity.
- 1.3 Use this cylinder for the purpose for which it is intended. **DO NOT** use it for any other purpose it is not designed to perform.
- 1.4 Keep children and unauthorized persons away from the work area.
- 1.5 Remove ill fitting clothing. Remove ties, watches, rings and other loose jewelry, and contain long hair.
- 1.6 Wear ANSI approved safety goggles when operating the cylinder.
- 1.7 Keep proper balance and footing, do not overreach and wear nonskid footwear.
- 1.8 Inspect the cylinder before each use. **DO NOT** use if damaged, leaking or any suspect parts are noted or it has been subjected to a shock load.
- 1.9 Keep hands and feet away from moving parts at all times.
- 1.10 Before using this cylinder read the instruction manual for the equipment to which it is attached carefully.
- 1.11 **DO NOT** use the cylinder when you are tired or under the influence of alcohol, drugs or any intoxicating medication.
- 1.12 **DO NOT** allow untrained persons to assemble and operate the cylinder.
- 1.13 **DO NOT** make any modifications to the cylinder.
- 1.14 **DO NOT** expose the cylinder to rain or any other kind of bad weather.
- 1.15 If the cylinder need repairing and/or there are any parts that need to be replaced, have it repaired by authorized technicians and only use the replacement parts supplied by the manufacturer.
- 1.16 **WARNING:** the warnings, cautions and instructions discussed in this instruction manual I cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## **2. SPECIFICATIONS**

Capacity .....	14ton	Bore .....	4"
Stroke .....	24"	Closed Pin Center distance .....	34"

## **3. ASSEMBLY AND OPERATING INSTRUCTIONS**

- 3.1 Carefully attach the cylinder to the equipment which needs this cylinder using two pins.
- 3.2 Connect the hydraulic hoses (not included) to the cylinder.
- 3.3 Use this cylinder according to the operating instruction for the equipment to which this cylinder is attached.

## **4. MAINTENANCE**

- 4.1 Clean the outside of the cylinder with dry, clean and soft cloth and periodically lubricate the joints and all moving parts with a light oil as needed.
- 4.2 When not in use, store the cylinder in a dry location with its piston fully retracted.