

“4000” SERIES

For the best results, use a Custom Hoists single-acting telescopic cylinder to meet today's rigid application requirements. Our quality features include:

Self-Bleeding design; no air to bleed, which reduces labor/maintenance charges.

Less Oil required to fill the cylinder. Less Oil = Less Weight or more payload.

Pre-Loaded v-packing with self-adjusting **wave spring** energizer to maintain a continuous force on the packing.

Threaded headnuts for added strength and **field seal adjustability**.

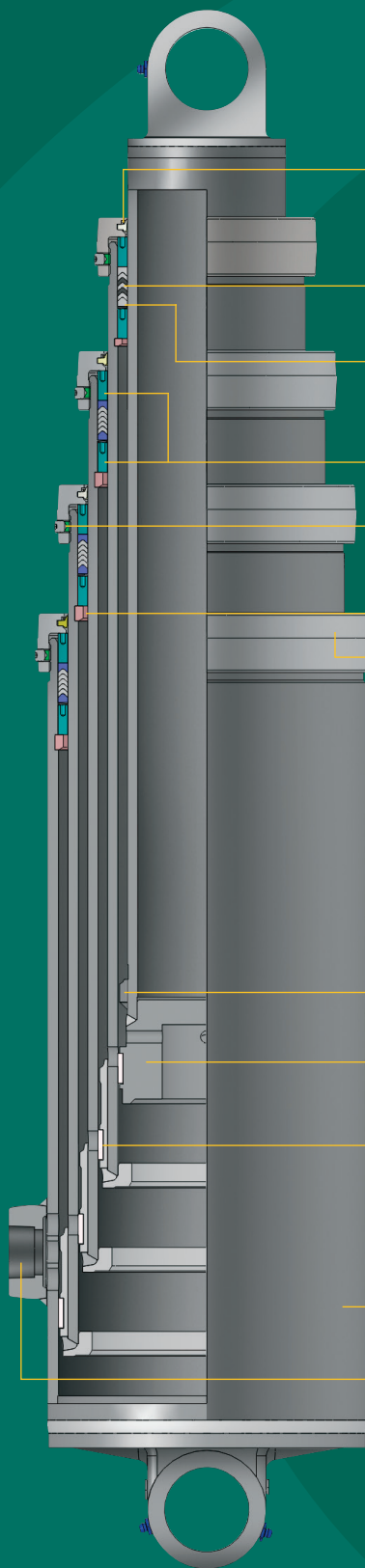
Longer Bearing Length (overlap) for stability.

Beveled stop rings and retaining rings for plunger centering.

Stock Models inventoried at five warehouse locations throughout the U.S. to meet your immediate requirements.

Custom Products shipped on schedule, when you want it.

Plus lifting capacity unsurpassed by other major brands in the industry and a Two-Year Warranty.



- Dual Lip Wipers to Prevent Contamination Entry
- Pre-Loaded V-Packing to Seal High and Low Pressures
- Self-Adjusting Wave Spring Energizer
- Two Non-Metallic Bearings Per Plunger for Stability
- Set Screws with Nylon Slugs for Locking Headnuts
- Heavy-Duty Beveled Retainer Ring
- Threaded Headnuts for Added Strength and Seal Adjustment
- Beveled Stop Rings of High-Strength Steel
- Heavy-Duty Plunger Heads for Rigidity
- Non-Metallic Rectangular Guide Rings
- High-Strength DOM Steel Tubing Throughout the Cylinder
- Port Size and Location to Meet Individual Requirements

CUSTOM HOISTS, INC.

ISO 9001-2008 Registered Company



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T E L E S C O P I C

SINGLE
acting

C Y L I N D E R

INSIDE the POWER



Custom Hoists single-acting telescopic cylinders feature a number of benefits to perform in today's rigid applications. We use high-strength DOM tubing throughout the cylinder to work in applications with system pressures up to 3,000 P.S.I.

Available to meet specific demands are 2" through 14-1/4" plunger diameters with strokes up to 400" and two through six moving stages. Our cylinders also have pre-loaded, self-adjusting v-packing to seal high and low pressure with a wave spring energizer to maintain continuous force on the packing; threaded headnuts for extra strength and field seal adjustment; dual lip wipers to prevent contamination entry; beveled retaining rings and pistons for plunger centering; unsurpassed

lifting capacity; and an easy access manual bleeder valve on invert mounted applications. Custom Hoists offers a variety of end mountings and either standard NPTF or SAE o-ring ports to match specific requirements. Available on request are hard chrome-plated or nitrided plungers, automatic bleeder valves and double-acting last plungers if your application requires the body to be pulled back over center. Take a look at our line and provide us with the seven basic specifications listed below. We will design a cylinder to make your job easier every day, while performing for years at a competitive price.

INDIVIDUAL PLUNGER LIFTING CAPABILITIES

| Plunger Diameter (IN.) | Cross Sectional Area (SQ. IN.) | SPECIFIC OPERATING PRESSURES | | | |
|------------------------|--------------------------------|------------------------------|------------------|------------------|------------------|
| | | 1,500 PSI (LBS.) | 1,800 PSI (LBS.) | 2,000 PSI (LBS.) | 2,500 PSI (LBS.) |
| 2 | 3.14 | 4,710 | 5,672 | 6,280 | 7,850 |
| 3 | 7.06 | 10,590 | 12,708 | 14,120 | 17,650 |
| 4 | 12.56 | 18,840 | 22,608 | 25,120 | 31,400 |
| 5 | 19.63 | 29,445 | 35,334 | 39,260 | 49,075 |
| 6 | 28.27 | 42,405 | 50,886 | 56,540 | 70,675 |
| 7 | 38.48 | 57,720 | 69,264 | 76,960 | consult factory |
| 8 | 50.26 | 75,390 | 90,468 | 100,520 | consult factory |
| 8 1/4 | 53.50 | 80,250 | 96,300 | 107,000 | consult factory |
| 9 1/8 | 65.40 | 98,100 | 117,720 | 130,800 | consult factory |
| 9 3/4 | 74.50 | 111,750 | 134,100 | 149,000 | consult factory |

Largest Moving Stage

85-4402-250

Number of Moving Stages

85-4402-250

Stroke in Inches

85-4402-250

Design Sequence Number

85-4402-250

Cylinder Type

85-4402-250

MODEL NUMBER I.D.

SEVEN BASIC SPECS:

Application • Closed Length • Length of Stroke • Mounting Options
Maximum Load • System Working Pressure • System Flow G.P.M.