

"400" SERIES

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

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

Threaded headnuts for added strength and **field seal adjustment**

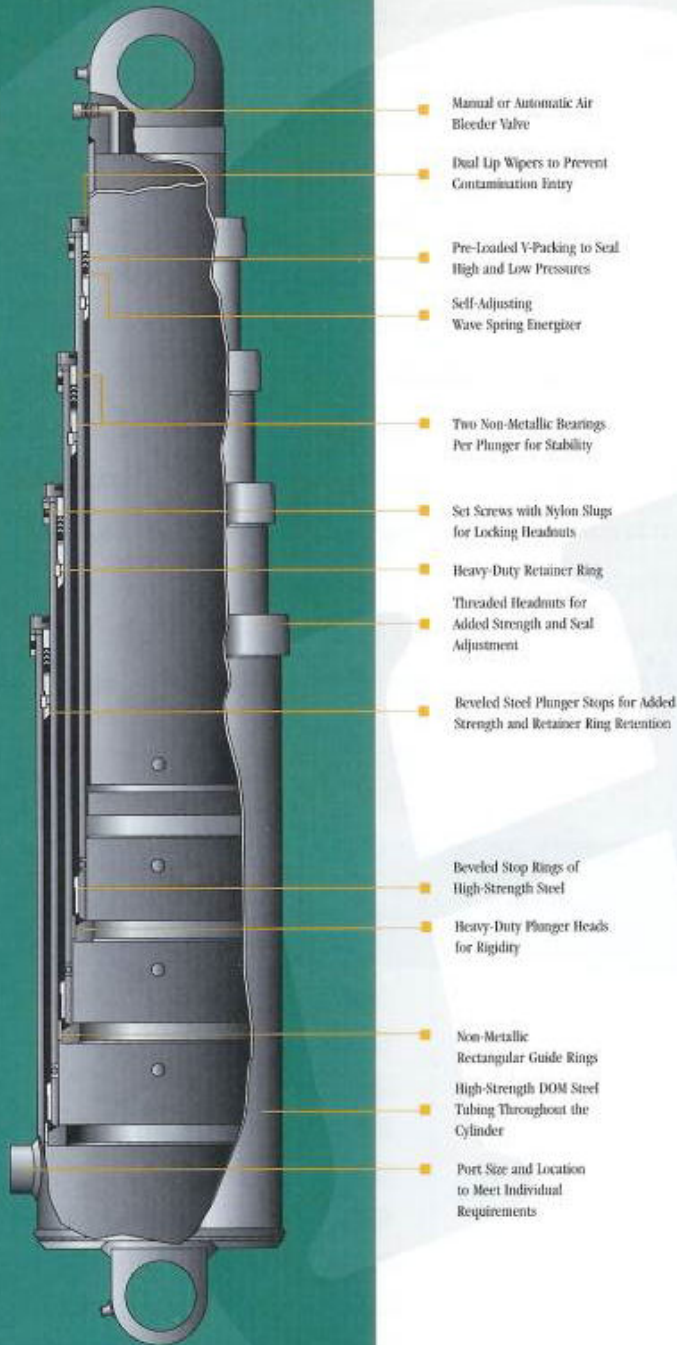
Longer Bearing Length (overlap) for stability

Beveled stop rings and plunger stops for plunger centering

Stock Models inventoried at 6 warehouse locations throughout the U.S. to meet your immediate requirements.

Custom Products are shipped on schedule, when you want it. **Easy to order**, toll-free telephone and fax numbers

PLUS, lifting capacity unsurpassed by other major brands in the industry and a Two Year Warranty



Manual or Automatic Air Bleeder Valve

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 Retainer Ring

Threaded Headnuts for Added Strength and Seal Adjustment

Beveled Steel Plunger Stops for Added Strength and Retainer Ring Retention

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 Registered Company

 a Standex company

P.O. Box 98, Hayesville, Ohio 44838
Phone 419.368.4721 • 1.800.837.4668
FAX 419.368.4209 • 1.800.224.6478

www.customhoists.com

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 D.O.M. tubing throughout the cylinder to work in applications with system pressures up to 2,500 P.S.I. Available to meet specific demands are 2" through 9 3/4" 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 plunger stops and stop rings for plunger centering, unsurpassed lifting capacity and an easy access manual bleeder valve. 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 basic seven 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

Largest Moving Stage

85-402-250

Number of Moving Stages

85-402-250

Stroke in Inches

85-402-250

Design Sequence Number

85-402-250

Cylinder Type

85-402-250

MODEL NUMBER I.D.

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

SEVEN BASIC SPECS:

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