



HYDRAULIC CYLINDERS INC.®

# STANDARD CYLINDER CATALOG

ENGINEERED TO DEMOLISH DOWNTIME



## IMPORTANT INFORMATION | ABOUT THIS CATALOG

This catalog has been assembled in a manner to help you specify cylinders for your unique application. These cylinders are pre-engineered using the most common mounting configurations as well as bore to rod combinations. This cylinder program will provide you with the high quality and high integrity hydraulic cylinders you are looking for. The important cylinder envelope dimensions are illustrated by cylinder Series to assist you in arriving at the best selection for a given application.

You will find two categories of cylinders: 100 Series through 400 Series are Standard Duty with operating pressures to 2500 PSI, 600 Series through 900 Series are Heavy Duty with operating pressures to 3000 PSI. HYDRAULIC CYLINDERS INC.® has an internal operating system which is configured in a manner that provides a high level of responsiveness for quotes and manufacturing from (1) piece to production quantities.

### **TO USE THIS CATALOG:**

1. Choose the Series of cylinder that best fits your needs considering **Standard** or **Heavy Duty** as well as mounting options.
2. Then choose the bore and rod diameter combination which is best suited for your application. The horizontal column of what you have chosen will detail all dimensions of that respective cylinder.
3. At the far right of the column, you will see the specific part number of that cylinder. Simply add the stroke you desire and you have completed the process of selecting a **Standard Cylinder** for your specific application.

If this catalog does not provide ample options for your requirement, refer your request to one of our Sales Engineers to look at a Custom Built Cylinder. Call toll free at 1-888-771-1894.

HYDRAULIC CYLINDERS INC.® is here to help you, please call us with any questions or special requests you may have.



**ONE CALL AND YOUR PROBLEM'S SOLVED.**

**Toll Free:** 1-888-771-1894 | **Fax:** 1-888-693-8681

**Email:** Sales@HydraulicCylindersInc.com



# PRECISION. PERFORMANCE. RELIABILITY.

ENGINEERED TO DEMOLISH DOWNTIME.



## CUSTOMER SERVICE

- We are committed to providing our customers with quality workmanship.
- Our customers receive prompt courteous service.
- From quoting to delivery of product, we pay attention to detail.
- Our staff has both the experience and technical insight to deliver.
- From one piece to production quantities, you will receive short lead times.
- We do not believe an automated telephone answering system works for our business, consequently the personnel who answer our telephone are our Customer Service staff.

## EQUIPMENT & MACHINERY

- Whether it's our custom built machinery or commercially available equipment, we have the best machines for the job.
- Our "focused" facility and equipment is set up solely for the manufacture and support of hydraulic cylinders.
- We do not believe in machine operators loading and unloading parts, we have a staff of seasoned and qualified machinists, welders and hydraulic technicians to maximize the benefits of our equipment and facility.

## QUALITY

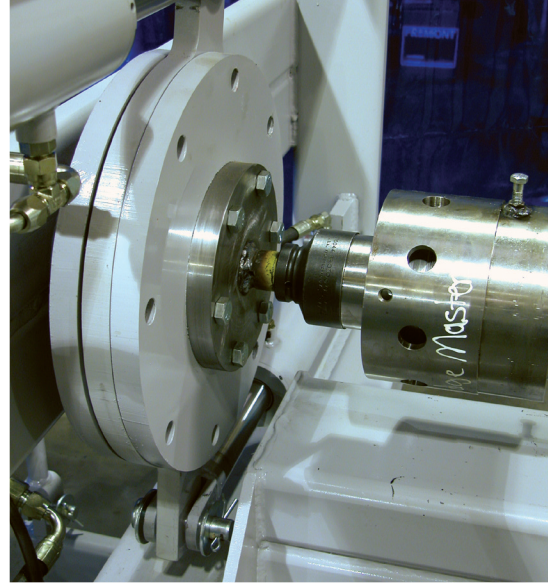
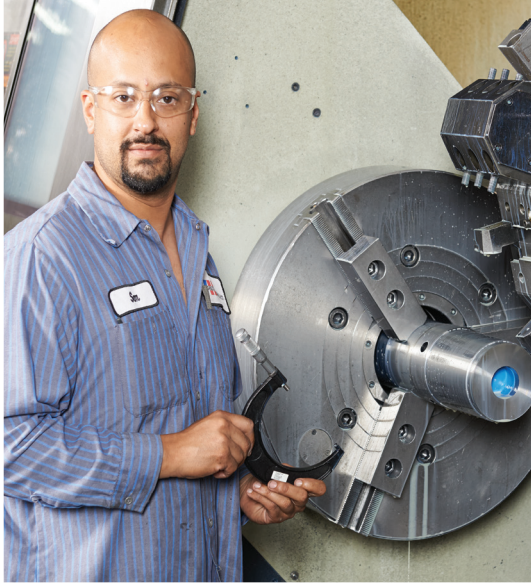
- All Products are inspected with calibrated gauging to insure that they adhere to our stringent standards.
- Our Quality Assurance means that you can be assured of the highest quality and workmanship in the industry.
- HYDRAULIC CYLINDERS INC.® adheres to certified weld procedures.
- Quality is not just a department, it's the whole company.
- Quality means more than machining to a blue print, it's also insuring that the part is designed properly to match the application.
- Our front office functions are an important facet to the manufacturing process. We have a solid infrastructure with our computer operating systems including CAD, to insure we get it right and deliver on time.



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Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
1.50	0.75	2.00	1.38	5.75	3.31	1.31	#4	18	104-***
	1.00	2.00	1.50	6.00	3.56	1.31	#4	34	106-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
2.00	1.00	2.50	1.38	6.25	3.62	1.38	#6	25	110-***
	1.12	2.50	1.50	6.25	3.62	1.38	#6	31	112-***
	1.25	2.50	1.50	6.50	3.88	1.38	#6	39	114-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
2.50	1.25	3.00	1.50	6.50	3.62	1.62	#6	31	118-***
	1.50	3.00	1.56	7.00	4.06	1.69	#6	45	120-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
3.00	1.25	3.50	1.56	7.00	4.00	1.75	#8	26	124-***
	1.50	3.50	1.44	7.00	3.88	1.88	#8	38	126-***
	1.75	3.50	1.44	7.00	3.88	1.88	#8	52	128-***
	2.00	3.50	1.44	7.25	4.12	1.88	#8	66	130-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
3.50	1.50	4.00	1.56	7.25	4.00	2.00	#8	32	134-***
	1.75	4.00	1.56	7.25	4.00	2.00	#8	44	136-***
	2.00	4.00	1.56	7.25	4.00	2.00	#8	58	138-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
4.00	1.50	4.50	1.44	7.25	3.88	2.12	#8	28	142-***
	1.75	4.50	1.50	7.50	3.94	2.31	#8	39	144-***
	2.00	4.50	1.50	7.50	3.94	2.31	#8	51	146-***
	2.50	4.50	1.50	7.75	4.19	2.31	#8	78	148-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
4.50	1.75	5.00	1.38	7.75	3.81	2.44	#8	34	152-***
	2.00	5.00	1.38	7.75	3.81	2.44	#8	45	154-***
	2.25	5.00	1.38	7.75	3.81	2.44	#8	58	156-***

Bore	Rod	A	B	F	H	I	L	Maximum Stroke	Part #
5.00	2.00	5.62	1.50	8.25	3.94	2.81	#8	40	160-***
	2.50	5.62	1.50	8.50	4.19	2.81	#8	62	162-***
	3.00	5.62	1.50	8.50	4.19	2.81	#8	89	164-***

### Ordering Information:

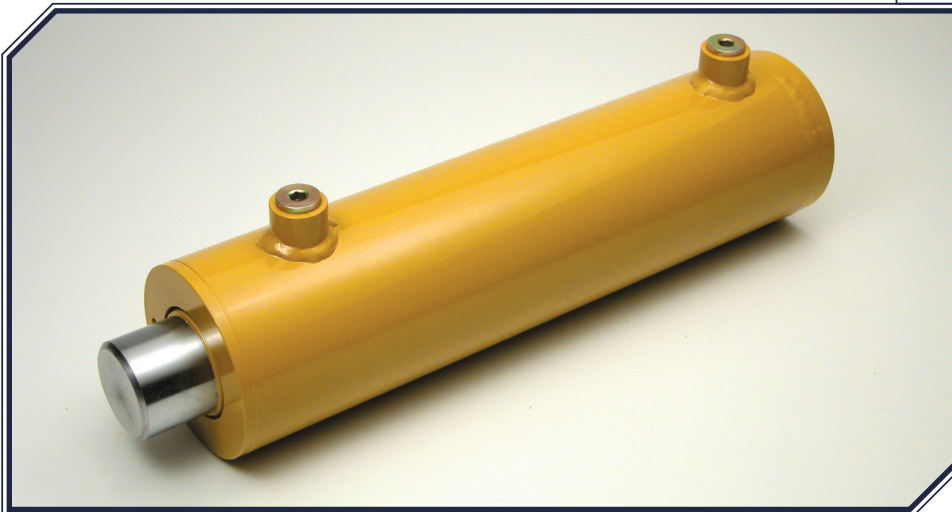
- To complete part #; replace (\*\*\*) with stroke required.
- Other port sizes and locations available upon request.
- Consult factory for longer stroke and/or higher pressure applications.
- Maximum stroke based on full load at full extension.
- Cylinder colors are made to the customer's preference.



# 100 SERIES

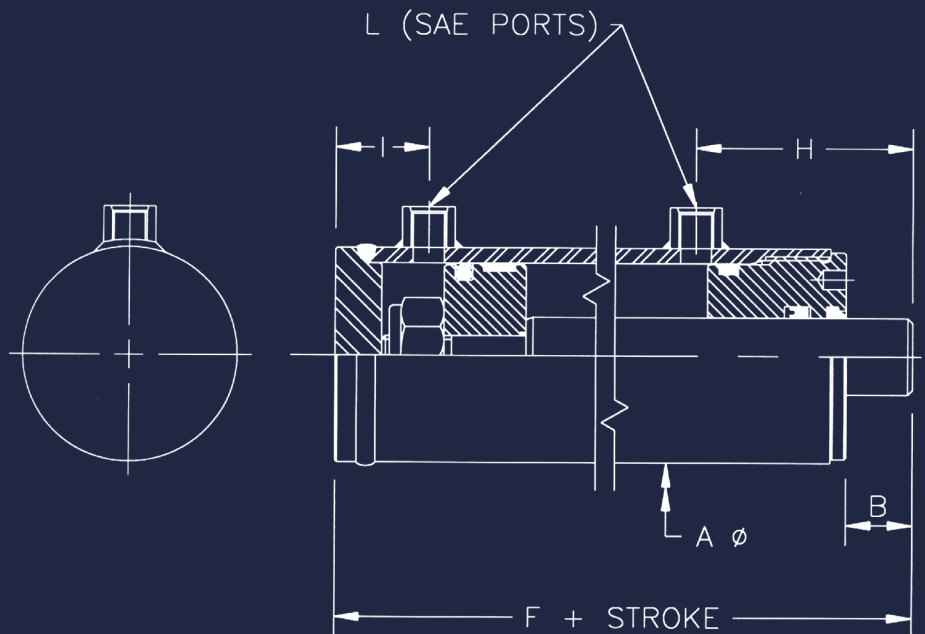
## CYLINDERS

2500 PSI STANDARD DUTY



### FEATURES

- COLD DRAWN (HIGH IMPACT) 75,000 MIN. YIELD D.O.M. TUBING
- GROUND & POLISHED, HARD CHROME PLATED RODS (75,000 min. yield)
- WELDED STYLE CONSTRUCTION CERTIFIED TO A.W.S. B2.1
- INTERNALLY THREADED HEAD DESIGN WITH BUTTRESS THREADS
- HIGHEST QUALITY SEAL CONFIGURATIONS (-40°F to +200°F) COMPATIBLE WITH PETROLEUM BASE FLUIDS
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- NYLON INSERTED LOCK NUT
- STANDARD PAINT; GREY PRIMER



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Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
1.50	0.75	2.00	1.31	.750	0.56	6.25	0.62	3.25	1.88	2.50	2.50	#4	18	204-**.**. **
	1.00	2.00	1.19	.750	0.56	6.25	0.62	3.25	1.88	2.50	2.50	#4	34	206-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
2.00	1.00	2.50	1.44	1.000	0.69	7.00	0.75	3.69	2.06	2.50	3.00	#6	25	210-**.**. **
	1.12	2.50	1.56	1.000	0.69	7.00	0.75	3.69	2.06	2.50	3.00	#6	31	212-**.**. **
	1.25	2.50	1.31	1.000	0.69	7.00	0.75	3.69	2.06	2.50	3.00	#6	39	214-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
2.50	1.25	3.00	1.69	1.000	0.81	7.50	0.88	3.81	2.44	2.50	3.25	#6	31	218-**.**. **
	1.50	3.00	1.50	1.000	0.81	7.75	0.88	4.00	2.50	2.50	3.25	#6	45	220-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
3.00	1.25	3.50	1.50	1.000	0.81	7.75	0.88	3.94	2.56	2.50	3.75	#8	26	224-**.**. **
	1.50	3.50	1.38	1.000	0.81	7.75	0.88	3.81	2.69	2.50	3.75	#8	38	226-**.**. **
	1.75	3.50	1.38	1.000	0.81	7.75	0.88	3.81	2.69	2.50	3.75	#8	52	228-**.**. **
	2.00	3.50	1.38	1.000	0.81	8.00	0.88	4.06	2.69	2.50	3.75	#8	66	230-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
3.50	1.50	4.00	1.44	1.250	.88	8.00	1.00	3.88	2.88	2.75	4.25	#8	32	234-**.**. **
	1.75	4.00	1.44	1.250	.88	8.00	1.00	3.88	2.88	2.75	4.25	#8	44	236-**.**. **
	2.00	4.00	1.44	1.250	.88	8.00	1.00	3.88	2.88	2.75	4.25	#8	58	238-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
4.00	1.50	4.50	1.56	1.250	.88	8.25	1.00	4.00	3.00	2.75	4.75	#8	28	242-**.**. **
	1.75	4.50	1.62	1.250	.88	8.50	1.00	4.06	3.19	2.75	4.75	#8	39	244-**.**. **
	2.00	4.50	1.62	1.250	.88	8.50	1.00	4.06	3.19	2.75	4.75	#8	51	246-**.**. **
	2.50	4.50	1.62	1.250	.88	8.75	1.00	4.31	3.19	2.75	4.75	#8	78	248-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
4.50	1.75	5.00	1.50	1.250	.88	8.75	1.00	3.94	3.31	2.75	5.25	#8	34	252-**.**. **
	2.00	5.00	1.50	1.250	.88	8.75	1.00	3.94	3.31	2.75	5.25	#8	45	254-**.**. **
	2.25	5.00	1.50	1.250	.88	8.75	1.00	3.94	3.31	2.75	5.25	#8	58	256-**.**. **

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Maximum Stroke	Part #
5.00	2.00	5.62	1.88	1.500	1.12	9.75	1.25	4.31	3.94	2.75	6.00	#8	40	260-**.**. **
	2.50	5.62	1.88	1.500	1.12	10.00	1.25	4.56	3.94	2.75	6.00	#8	62	262-**.**. **
	3.00	5.62	1.88	1.500	1.12	10.00	1.25	4.56	3.94	4.25	6.00	#8	89	264-**.**. **

### Ordering Information:

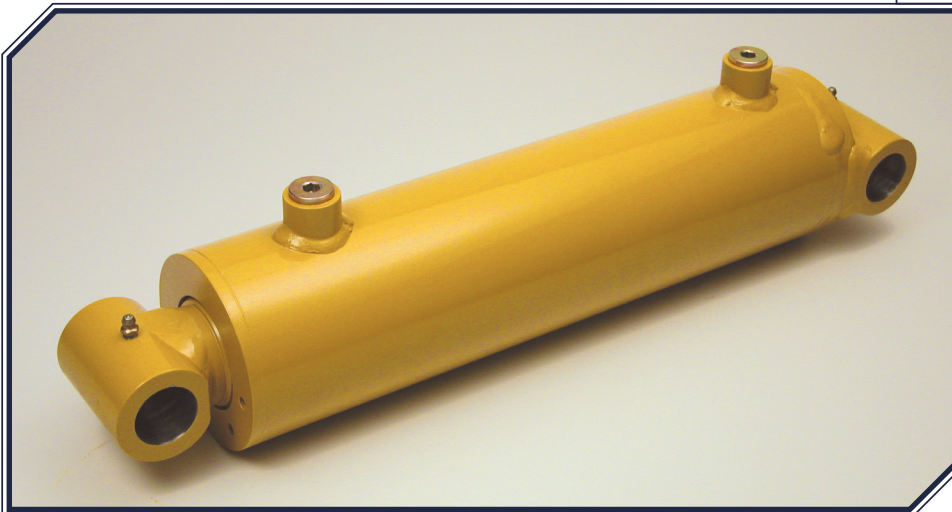
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# 200 SERIES

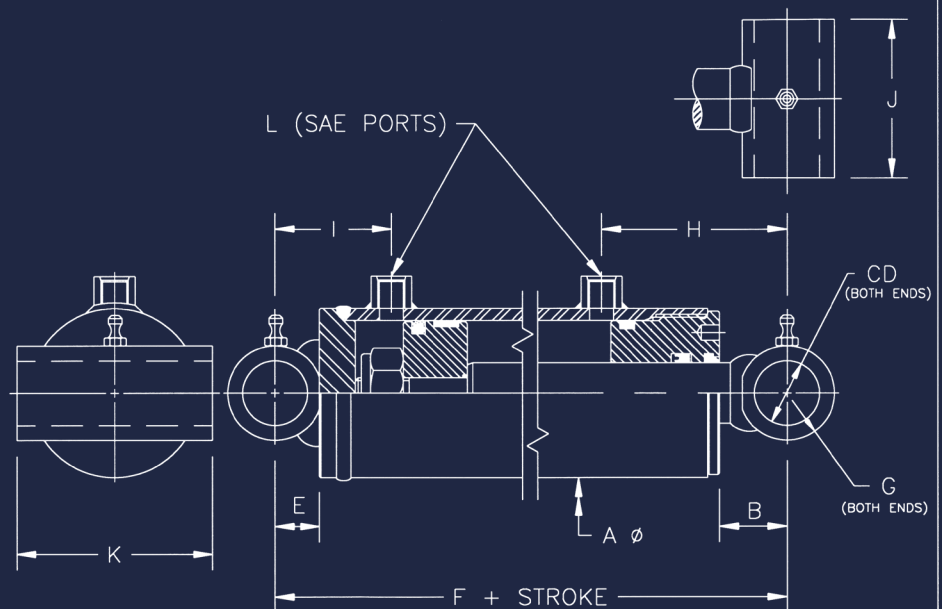
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Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
1.50	0.75	2.00	3.00	.750	1.62	9.00	1.75	4.94	2.94	1.06	0.38	#4	18	304-***
	1.00	2.00	2.88	.750	1.62	9.00	1.75	4.94	2.94	1.06	0.38	#4	34	306-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
2.00	1.00	2.50	3.38	1.00	2.00	10.25	2.00	5.62	3.38	1.25	0.50	#6	25	310-***
	1.12	2.50	3.50	1.00	2.00	10.25	2.00	5.62	3.38	1.25	0.50	#6	31	312-***
	1.25	2.50	3.25	1.00	2.00	10.25	2.00	5.62	3.38	1.25	0.50	#6	39	314-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
2.50	1.25	3.00	3.25	1.00	2.00	10.25	2.00	5.38	3.62	1.25	0.50	#6	31	318-***
	1.50	3.00	3.06	1.00	2.00	10.25	2.00	5.56	3.44	1.25	0.50	#6	45	320-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.00	1.25	3.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	26	324-***
	1.50	3.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	38	326-***
	1.75	3.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	52	328-***
	2.00	3.50	3.06	1.00	2.00	10.25	2.00	5.75	3.25	1.25	0.50	#8	66	330-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.50	1.50	4.00	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	32	334-***
	1.75	4.00	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	44	336-***
	2.00	4.00	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	58	338-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.00	1.50	4.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	28	342-***
	1.75	4.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	39	344-***
	2.00	4.50	3.06	1.00	2.00	10.25	2.00	5.50	3.50	1.25	0.50	#8	51	346-***
	2.50	4.50	3.25	1.00	2.00	11.25	2.00	5.94	4.06	1.25	0.50	#8	78	348-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.50	1.75	5.00	3.38	1.25	2.00	11.75	2.50	5.81	4.44	1.62	0.75	#8	34	352-***
	2.00	5.00	3.38	1.25	2.00	11.75	2.50	5.81	4.44	1.62	0.75	#8	45	354-***
	2.25	5.00	3.38	1.25	2.00	11.75	2.50	5.81	4.44	1.62	0.75	#8	58	356-***

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.00	2.00	5.62	4.25	1.50	2.50	13.50	3.00	6.69	5.31	2.12	1.00	#8	40	360-***
	2.50	5.62	4.25	1.50	2.50	13.75	3.00	6.94	5.31	2.12	1.00	#8	62	362-***
	3.00	5.62	4.25	1.50	2.50	13.75	3.00	6.94	5.31	2.12	1.00	#8	89	364-***

### Ordering Information:

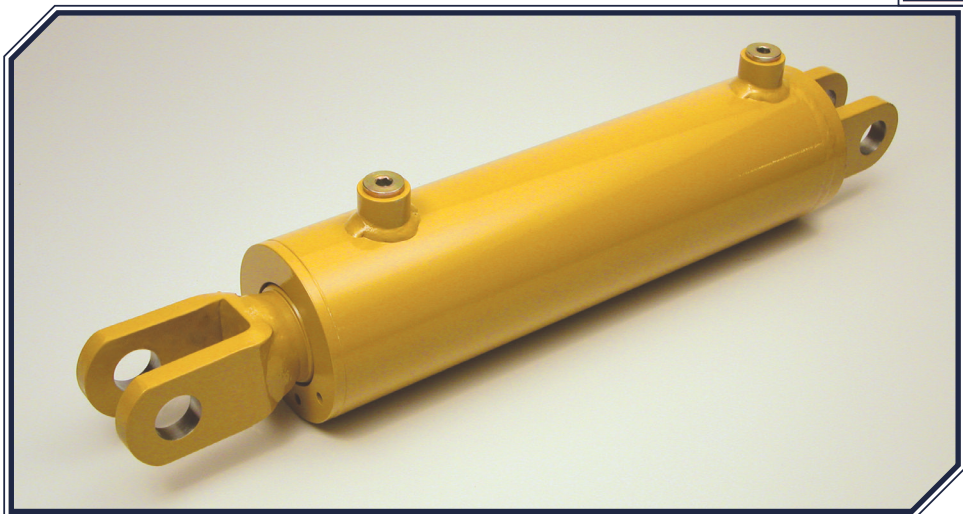
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# 300 SERIES

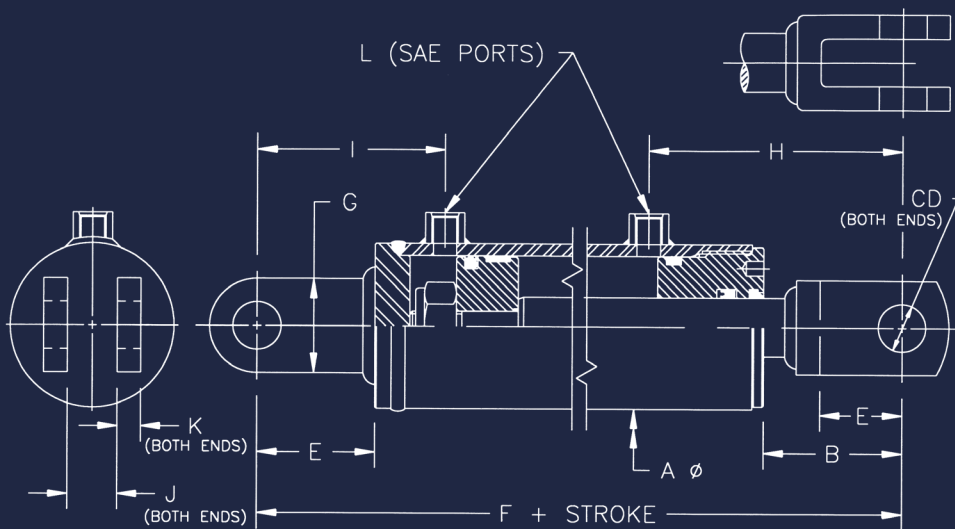
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# 400 SERIES

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
1.50	0.75	2.00	2.12	0.75	1.50	8.00	0.75	4.06	2.81	0.75	0.75	#4	18	404-***
	1.00	2.00	2.00	0.75	1.50	8.00	0.75	4.06	2.81	1.00	1.00	#4	34	406-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
2.00	1.00	2.50	2.62	1.00	2.00	9.50	1.00	4.88	3.38	1.00	1.00	#6	25	410-***
	1.12	2.50	2.75	1.00	2.00	9.50	1.00	4.88	3.38	1.25	1.25	#6	31	412-***
	1.25	2.50	2.50	1.00	2.00	9.50	1.00	4.88	3.38	1.25	1.25	#6	39	414-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
2.50	1.25	3.00	2.75	1.00	2.00	9.75	1.00	4.88	3.62	1.25	1.25	#6	31	418-***
	1.50	3.00	2.56	1.00	2.00	10.00	1.00	5.06	3.69	1.50	1.50	#6	45	420-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.00	1.25	3.50	2.81	1.00	2.00	10.25	1.00	5.25	3.75	1.25	1.25	#8	26	424-***
	1.50	3.50	2.69	1.00	2.00	10.25	1.00	5.12	3.88	1.50	1.50	#8	38	426-***
	1.75	3.50	2.69	1.00	2.00	10.25	1.00	5.12	3.88	1.75	1.75	#8	52	428-***
	2.00	3.50	2.69	1.00	2.00	10.50	1.00	5.38	3.88	2.00	2.00	#8	66	430-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.50	1.50	4.00	3.06	1.25	2.50	11.25	1.25	5.50	4.50	1.50	1.50	#8	32	434-***
	1.75	4.00	3.06	1.25	2.50	11.25	1.25	5.50	4.50	1.75	1.75	#8	44	436-***
	2.00	4.00	3.06	1.25	2.50	11.25	1.25	5.50	4.50	2.00	2.00	#8	58	438-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.00	1.50	4.50	3.19	1.25	2.50	11.50	1.25	5.62	4.62	1.50	1.50	#8	28	442-***
	1.75	4.50	3.25	1.25	2.50	11.75	1.25	5.69	4.81	1.75	1.75	#8	39	444-***
	2.00	4.50	3.25	1.25	2.50	11.75	1.25	5.69	4.81	2.00	2.00	#8	51	446-***
	2.50	4.50	3.25	1.25	2.50	12.00	1.25	5.94	4.81	2.50	2.50	#8	78	448-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.50	1.75	5.00	3.12	1.25	2.50	12.00	1.25	5.56	4.94	1.75	1.75	#8	34	452-***
	2.00	5.00	3.12	1.25	2.50	12.00	1.25	5.56	4.94	2.00	2.00	#8	45	454-***
	2.25	5.00	3.12	1.25	2.50	12.00	1.25	5.56	4.94	2.50	2.50	#8	58	456-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.00	2.00	5.62	3.25	1.50	2.50	12.50	1.50	5.69	5.31	2.00	2.00	#8	40	460-***
	2.50	5.62	3.25	1.50	2.50	12.75	1.50	5.94	5.31	2.50	2.50	#8	62	462-***
	3.00	5.62	3.25	1.50	2.50	12.75	1.50	5.94	5.31	3.00	3.00	#8	89	464-***

## Ordering Information:

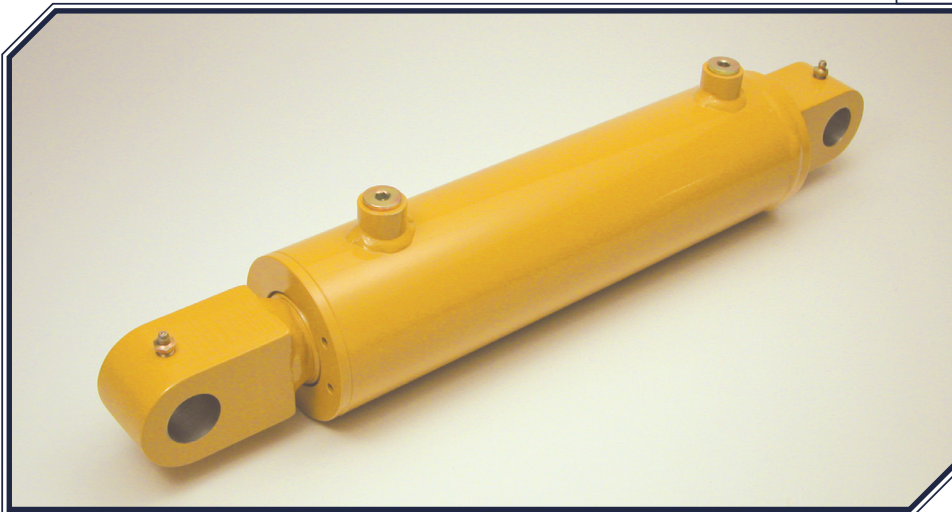
- To complete part #; replace (\*\*.\*\*) with stroke required.
- Other port sizes and locations available upon request.
- Consult factory for longer stroke and/or higher pressure applications.
- Maximum stroke based on full load at full extension.
- Cylinder colors are made to the customer's preference.



# 400 SERIES

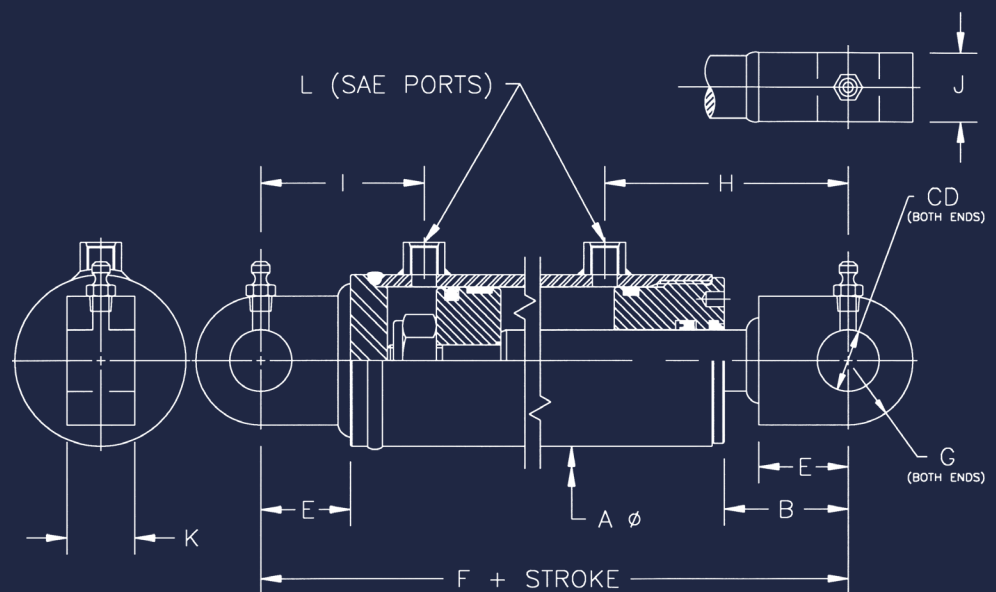
## CYLINDERS

2500 PSI STANDARD DUTY



### FEATURES

- COLD DRAWN (HIGH IMPACT) 75,000 MIN. YIELD D.O.M. TUBING
- GROUND & POLISHED, HARD CHROME PLATED RODS (75,000 min. yield)
- WELDED STYLE CONSTRUCTION CERTIFIED TO A.W.S. B2.1
- INTERNALLY THREADED HEAD DESIGN WITH BUTTRESS THREADS
- HIGHEST QUALITY SEAL CONFIGURATIONS (-40°F to +200°F) COMPATIBLE WITH PETROLEUM BASE FLUIDS
- DUCTILE IRON HEAD GLAND & PISTON
- PISTON UTILIZES WEAR BEARINGS
- NYLON INSERTED LOCK NUT
- STANDARD PAINT; GREY PRIMER



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Email: [Sales@HydraulicCylindersInc.com](mailto:Sales@HydraulicCylindersInc.com)

# 600 SERIES

Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
3.00	1.75	3.50	1.56	8.25	3.94	1.94	#6	47	604-***
	2.00	3.50	1.56	8.25	3.94	1.94	#6	53	606-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
3.50	1.75	4.00	1.44	8.25	3.88	2.00	#8	40	610-***
	2.00	4.00	1.50	8.50	3.94	2.19	#8	52	612-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
4.00	2.00	4.62	1.50	9.25	4.56	2.31	#8	46	616-***
	2.50	4.62	1.50	9.25	4.56	2.31	#8	72	618-***
	3.00	4.62	1.62	10.00	5.44	2.56	#8	99	620-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
4.50	2.00	5.12	1.50	9.50	4.62	2.50	#10	40	624-***
	2.50	5.12	1.50	9.75	4.62	2.75	#10	64	626-***
	3.00	5.12	1.50	9.75	4.62	2.75	#10	90	628-***
	3.50	5.12	1.50	10.00	5.38	2.62	#10	115	630-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
5.00	2.00	5.62	1.50	9.25	4.44	2.44	#12	36	634-***
	2.50	5.62	1.62	10.25	5.00	2.69	#12	57	636-***
	3.00	5.62	1.62	10.25	5.00	2.69	#12	82	638-***
	3.50	5.62	1.50	10.00	4.88	2.56	#12	108	640-***
	4.00	5.62	1.62	10.25	5.56	2.69	#12	130	642-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
5.50	2.50	6.12	1.44	10.25	4.81	2.75	#12	52	646-***
	3.00	6.12	1.56	10.25	4.94	2.62	#12	75	648-***
	3.50	6.12	1.56	10.25	4.94	2.62	#12	100	650-***
	4.00	6.12	1.69	10.50	5.06	2.75	#12	124	652-***
	4.50	6.12	1.56	11.00	5.50	3.38	#12	144	654-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
6.00	2.50	6.75	1.62	10.50	5.00	2.81	#12	48	658-***
	3.00	6.75	1.50	10.25	4.88	2.69	#12	70	660-***
	3.50	6.75	1.50	10.25	4.88	2.69	#12	94	662-***
	4.00	6.75	1.62	10.50	5.00	2.81	#12	120	664-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
7.00	2.50	8.00	1.69	11.25	5.62	2.75	#16	40	668-***
	3.00	8.00	1.69	11.25	5.62	2.75	#16	60	670-***
	3.50	8.00	1.69	11.25	5.62	2.75	#16	82	672-***
	4.00	8.00	1.56	11.75	5.50	3.38	#16	107	674-***
Bore	Rod	A	B	F	H	I	L	Max Stroke	Part #
8.00	3.50	9.00	1.50	13.00	5.69	3.44	#16	71	678-***
	4.00	9.00	1.50	13.00	5.69	3.44	#16	94	680-***
	4.50	9.00	1.50	13.00	5.69	3.44	#16	118	682-***

## Ordering Information:

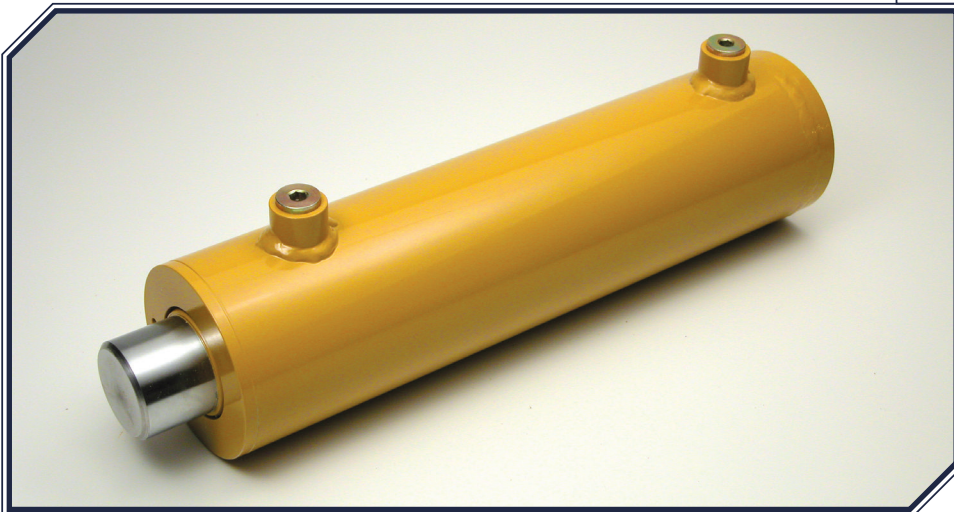
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# 600 SERIES

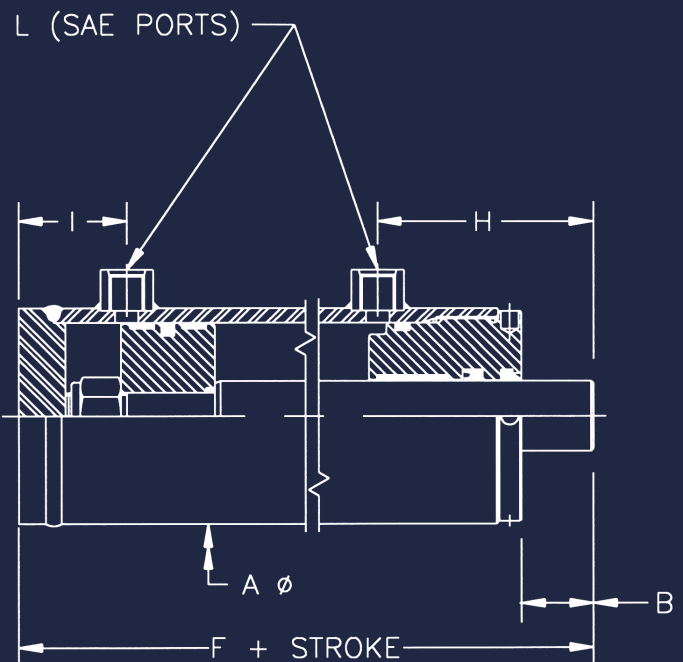
## CYLINDERS

3000 PSI STANDARD DUTY



### FEATURES

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- GROUND & POLISHED, HARD CHROME PLATED RODS (75,000 min. yield)
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Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.00	1.75	3.50	1.50	1.000	0.81	9.00	0.88	3.88	2.75	2.75	3.75	#6	47	704-***
	2.00	3.50	1.50	1.000	0.81	9.00	0.88	3.88	2.75	2.75	3.75	#6	53	706-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.50	1.75	4.00	1.56	1.250	0.88	9.25	1.00	4.00	2.88	3.25	4.25	#8	40	710-***
	2.00	4.00	1.62	1.250	0.88	9.50	1.00	4.06	3.06	3.25	4.25	#8	52	712-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.00	2.00	4.62	2.12	1.500	1.12	11.00	1.25	5.19	3.44	3.00	4.75	#8	46	716-***
	2.50	4.62	2.12	1.500	1.12	11.00	1.25	5.19	3.44	3.00	4.75	#8	72	718-***
	3.00	4.62	2.00	1.500	1.12	11.50	1.25	5.81	3.69	4.25	4.75	#8	99	720-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.50	2.00	5.12	1.88	1.500	1.12	11.00	1.25	5.00	3.62	3.00	5.50	#10	40	724-***
	2.50	5.12	2.12	1.500	1.12	11.50	1.25	5.25	3.88	3.00	5.50	#10	64	726-***
	3.00	5.12	2.12	1.500	1.12	11.50	1.25	5.25	3.88	4.25	5.50	#10	90	728-***
	3.50	5.12	2.12	1.500	1.12	11.75	1.25	6.00	3.75	4.25	5.50	#10	115	730-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.00	2.00	5.62	2.25	1.750	1.25	11.25	1.38	5.19	3.69	3.25	6.00	#12	36	734-***
	2.50	5.62	2.12	1.750	1.25	12.00	1.38	5.50	3.94	3.25	6.00	#12	57	736-***
	3.00	5.62	2.12	1.750	1.25	12.00	1.38	5.50	3.94	4.75	6.00	#12	82	738-***
	3.50	5.62	2.00	1.750	1.25	11.75	1.38	5.38	3.81	4.75	6.00	#12	108	740-***
	4.00	5.62	2.12	1.750	1.25	12.00	1.38	6.06	3.94	4.75	6.00	#12	130	742-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.50	2.50	6.12	2.19	1.750	1.25	12.25	1.38	5.56	4.00	3.25	7.00	#12	52	746-***
	3.00	6.12	2.06	1.750	1.25	12.00	1.38	5.44	3.88	4.75	7.00	#12	75	748-***
	3.50	6.12	2.06	1.750	1.25	12.00	1.38	5.44	3.88	4.75	7.00	#12	100	750-***
	4.00	6.12	2.19	1.750	1.25	12.25	1.38	5.56	4.00	4.75	7.00	#12	124	752-***
	4.50	6.12	2.06	1.750	1.25	12.75	1.38	6.00	4.62	5.50	7.00	#12	144	754-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
6.00	2.50	6.75	2.25	2.000	1.38	12.50	1.50	5.62	4.19	3.50	7.00	#12	48	758-***
	3.00	6.75	2.12	2.000	1.38	12.25	1.50	5.50	4.06	3.50	7.00	#12	70	760-***
	3.50	6.75	2.12	2.000	1.38	12.25	1.50	5.50	4.06	4.75	7.00	#12	94	762-***
	4.00	6.75	2.25	2.000	1.38	12.50	1.50	5.62	4.19	5.50	7.00	#12	120	764-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
7.00	2.50	8.00	2.81	2.500	1.62	14.00	1.75	6.75	4.38	5.00	8.25	#16	40	768-***
	3.00	8.00	2.81	2.500	1.62	14.00	1.75	6.75	4.38	5.00	8.25	#16	60	770-***
	3.50	8.00	2.81	2.500	1.62	14.00	1.75	6.75	4.38	5.00	8.25	#16	82	772-***
	4.00	8.00	2.69	2.500	1.62	14.50	1.75	6.62	5.00	5.00	8.25	#16	107	774-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
8.00	3.50	9.00	2.88	3.000	1.88	16.25	2.00	7.06	5.31	5.00	9.25	#16	71	778-***
	4.00	9.00	2.88	3.000	1.88	16.25	2.00	7.06	5.31	5.00	9.25	#16	94	780-***
	4.50	9.00	2.88	3.000	1.88	16.25	2.00	7.06	5.31	5.00	9.25	#16	118	782-***

### Ordering Information:

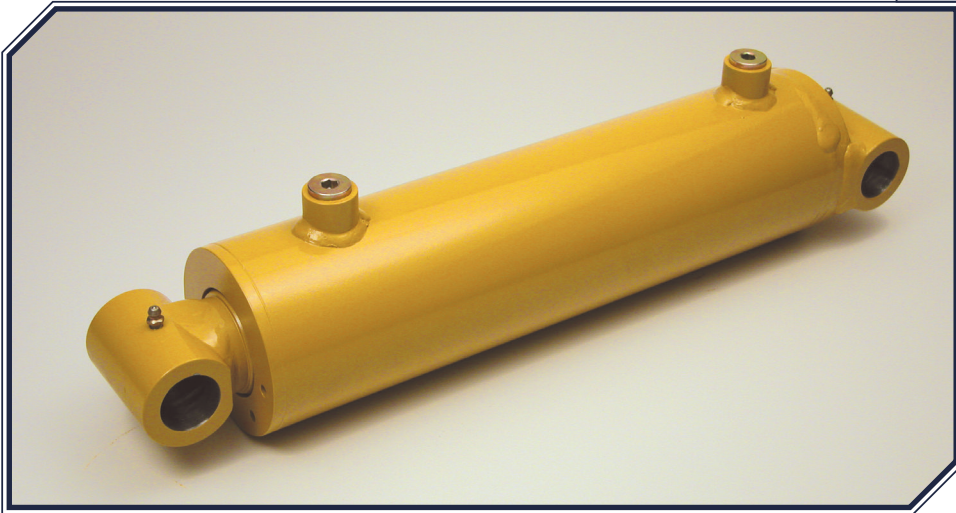
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# 700 SERIES

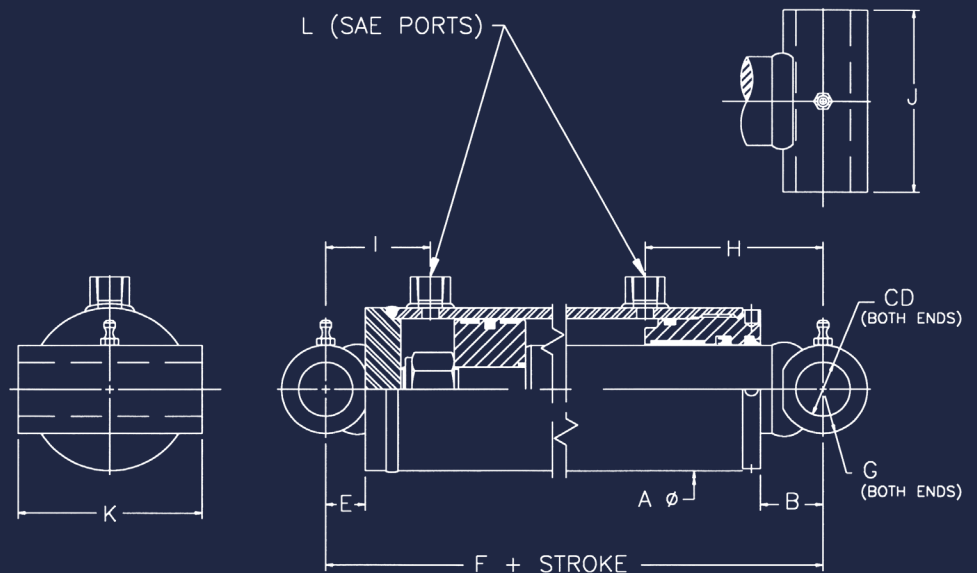
## CYLINDERS

3000 PSI STANDARD DUTY



### FEATURES

- COLD DRAWN (HIGH IMPACT) 75,000 MIN. YIELD D.O.M. TUBING
- GROUND & POLISHED, HARD CHROME PLATED RODS (75,000 min. yield)
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Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.00	1.75	3.50	3.31	1.000	2.00	12.00	2.00	5.75	3.94	1.25	0.50	#6	47	804-***
	2.00	3.50	3.31	1.000	2.00	12.00	2.00	5.75	3.94	1.25	0.50	#6	53	806-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
3.50	1.75	4.00	3.81	1.250	2.00	12.50	2.50	6.31	4.00	1.62	0.75	#8	40	810-***
	2.00	4.00	3.50	1.250	2.00	12.50	2.50	5.94	4.69	1.62	0.75	#8	52	812-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.00	2.00	4.62	4.25	1.500	2.00	14.00	3.00	7.31	4.31	1.62	1.00	#8	46	816-***
	2.50	4.62	4.25	1.500	2.00	14.00	3.00	7.31	4.31	1.62	1.00	#8	72	818-***
	3.00	4.62	4.12	1.500	2.00	14.50	3.00	7.94	4.56	1.62	1.00	#8	99	820-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
4.50	2.00	5.12	4.25	1.500	2.00	14.25	3.00	7.38	4.50	1.62	1.00	#10	40	824-***
	2.50	5.12	4.00	1.500	2.00	14.25	3.00	7.12	4.75	1.62	1.00	#10	64	826-***
	3.00	5.12	4.00	1.500	2.00	14.25	3.00	7.12	4.75	1.62	1.00	#10	90	828-***
	4.00	5.12	4.00	1.500	2.00	14.50	3.00	7.88	4.62	1.62	1.00	#10	115	830-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.00	2.00	5.62	4.25	1.750	2.25	14.25	3.50	7.19	4.69	2.12	1.00	#12	36	834-***
	2.50	5.62	4.12	1.750	2.25	15.00	3.50	7.50	4.94	2.12	1.00	#12	57	836-***
	3.00	5.62	4.12	1.750	2.25	15.00	3.50	7.50	4.94	2.12	1.00	#12	82	838-***
	3.50	5.62	4.25	1.750	2.25	15.00	3.50	7.62	4.81	2.12	1.00	#12	108	840-***
	4.00	5.62	4.12	1.750	2.25	15.00	3.50	8.06	4.94	2.12	1.00	#12	130	842-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
5.50	2.50	6.12	4.44	1.750	2.25	15.50	3.50	7.81	5.00	2.12	1.25	#12	52	846-***
	3.00	6.12	4.56	1.750	2.25	15.50	3.50	7.94	4.88	2.12	1.25	#12	75	848-***
	3.50	6.12	4.56	1.750	2.25	15.50	3.50	7.94	4.88	2.12	1.25	#12	100	850-***
	4.00	6.12	4.44	1.750	2.25	15.50	3.50	7.81	5.00	2.12	1.25	#12	124	852-***
	4.50	6.12	4.56	1.750	2.25	16.25	3.50	8.50	5.63	2.12	1.25	#12	144	854-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
6.00	2.50	6.75	4.62	2.000	2.50	16.00	4.00	8.00	5.31	2.62	1.25	#12	48	858-***
	3.00	6.75	4.50	2.000	2.50	15.75	4.00	7.88	5.19	2.62	1.25	#12	70	860-***
	3.50	6.75	4.50	2.000	2.50	15.75	4.00	7.88	5.19	2.62	1.25	#12	94	862-***
	4.00	6.75	4.62	2.000	2.50	16.00	4.00	8.00	5.31	2.62	1.25	#12	120	864-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
7.00	2.50	8.00	5.19	2.500	3.00	17.75	5.00	9.12	5.75	2.62	1.25	#16	40	868-***
	3.00	8.00	5.19	2.500	3.00	17.75	5.00	9.12	5.75	2.62	1.25	#16	60	870-***
	3.50	8.00	5.19	2.500	3.00	17.75	5.00	9.12	5.75	2.62	1.25	#16	82	872-***
	4.00	8.00	5.06	2.500	3.00	18.25	5.00	9.00	6.38	2.62	1.25	#16	107	874-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	Max Stroke	Part #
8.00	3.50	9.00	6.50	3.000	4.00	22.00	6.00	10.69	7.44	3.12	1.50	#16	71	878-***
	4.00	9.00	6.50	3.000	4.00	22.00	6.00	10.69	7.44	3.12	1.50	#16	94	880-***
	4.50	9.00	6.50	3.000	4.00	22.00	6.00	10.69	7.44	3.12	1.50	#16	118	882-***

### Ordering Information:

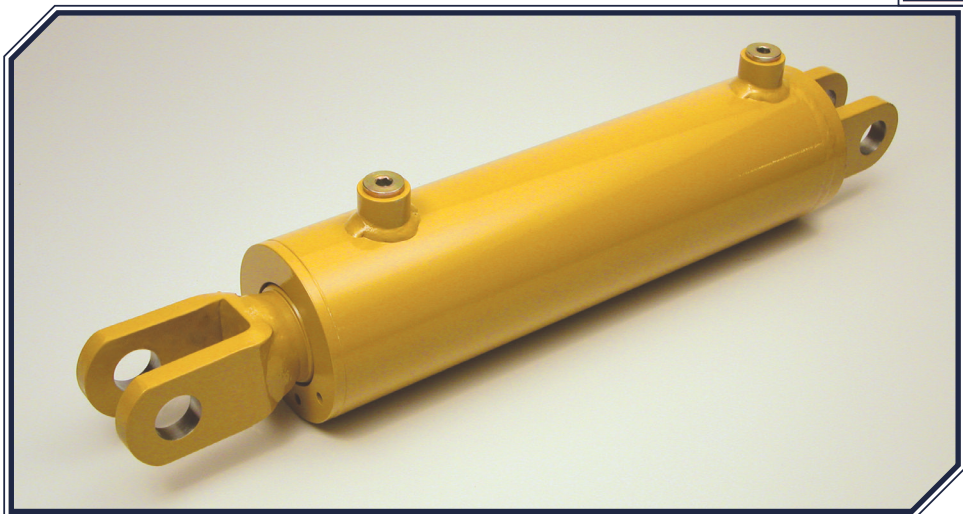
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- Consult factory for longer stroke and/or higher pressure applications.
- Maximum stroke based on full load at full extension.
- Cylinder colors are made to the customer's preference.



# 800 SERIES

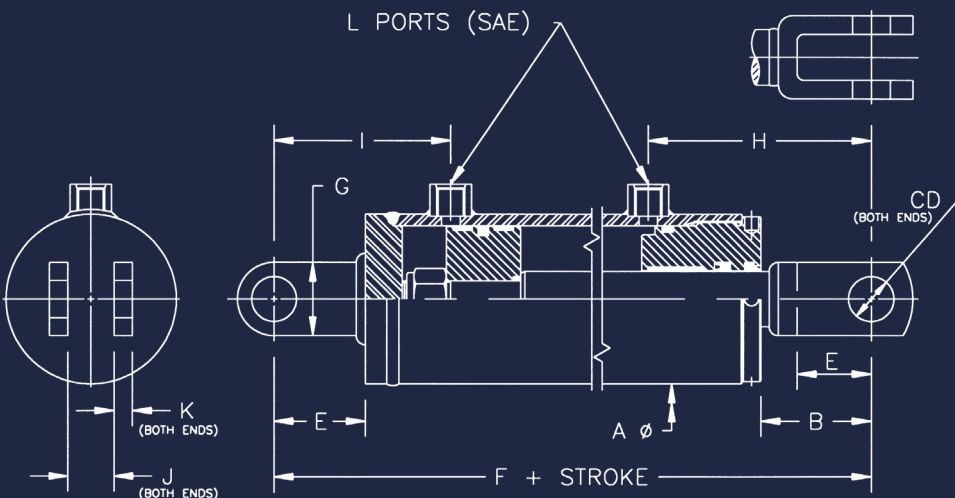
## CYLINDERS

3000 PSI STANDARD DUTY



### FEATURES

- COLD DRAWN (HIGH IMPACT) 75,000 MIN. YIELD D.O.M. TUBING
- GROUND & POLISHED, HARD CHROME PLATED RODS (75,000 min. yield)
- WELDED STYLE CONSTRUCTION CERTIFIED TO A.W.S. B2.1
- INTERNALLY THREADED HEAD DESIGN WITH BUTTRESS THREADS
- HIGHEST QUALITY SEAL CONFIGURATIONS (-40°F to +200°F) COMPATIBLE WITH PETROLEUM BASE FLUIDS
- DUCTILE IRON HEAD GLAND & PISTON
- PISTON UTILIZES WEAR BEARINGS
- NYLON INSERTED LOCK NUT
- STANDARD PAINT; GREY PRIMER



**ONE CALL AND YOUR PROBLEM'S SOLVED.**

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Email: [Sales@HydraulicCylindersInc.com](mailto:Sales@HydraulicCylindersInc.com)

Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
3.00	1.75	3.50	3.81	1.250	2.00	12.50	1.50	6.19	3.94	1.093	0.94	#6	2.00	47	904-***
	2.00	3.50	3.81	1.250	2.00	12.50	1.50	6.19	3.94	1.093	0.94	#6	2.00	53	906-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
3.50	1.75	4.00	3.94	1.250	2.00	12.75	1.50	6.38	4.00	1.093	0.94	#8	2.00	40	910-***
	2.00	4.00	3.75	1.250	2.00	12.75	1.50	6.19	4.19	1.093	0.94	#8	2.00	52	912-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
4.00	2.00	4.62	4.00	1.500	2.50	14.25	1.88	7.06	4.81	1.312	1.12	#8	2.25	46	916-***
	2.50	4.62	4.00	1.500	2.50	14.25	1.88	7.06	4.81	1.312	1.12	#8	2.25	72	918-***
	3.00	4.62	4.12	1.500	2.50	15.00	1.88	7.94	5.06	1.312	1.12	#8	2.25	99	920-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
4.50	2.00	5.12	4.00	1.500	2.50	14.50	1.88	7.12	5.00	1.312	1.12	#10	2.25	40	924-***
	2.50	5.12	4.00	1.500	2.50	14.75	1.88	7.12	5.25	1.312	1.12	#10	2.25	64	926-***
	3.00	5.12	4.00	1.500	2.50	14.75	1.88	7.12	5.25	1.312	1.12	#10	2.25	90	928-***
	3.50	5.12	4.00	1.500	2.50	15.00	1.88	7.88	5.12	1.312	1.12	#10	2.25	115	930-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
5.00	2.00	5.62	4.50	1.750	2.50	14.75	2.00	7.44	4.94	1.531	1.31	#12	2.50	36	934-***
	2.50	5.62	4.62	1.750	2.50	15.75	2.00	8.00	5.19	1.531	1.31	#12	2.50	57	936-***
	3.00	5.62	4.62	1.750	2.50	15.75	2.00	8.00	5.19	1.531	1.31	#12	2.50	82	938-***
	3.50	5.62	4.50	1.750	2.50	15.50	2.00	7.88	5.06	1.531	1.31	#12	2.50	108	940-***
	4.00	5.62	4.62	1.750	2.50	15.75	2.00	8.56	5.19	1.531	1.31	#12	2.50	130	942-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
5.50	2.50	6.12	4.69	1.750	2.50	16.00	2.00	8.06	5.25	1.531	1.31	#12	2.50	52	946-***
	3.00	6.12	4.56	1.750	2.50	15.75	2.00	7.94	5.12	1.531	1.31	#12	2.50	75	948-***
	3.50	6.12	4.56	1.750	2.50	15.75	2.00	7.94	5.12	1.531	1.31	#12	2.50	100	950-***
	4.00	6.12	4.69	1.750	2.50	16.00	2.00	8.06	5.25	1.531	1.31	#12	2.50	124	952-***
	4.50	6.12	4.56	1.750	2.50	16.50	2.00	8.50	5.88	1.531	1.31	#12	2.50	144	954-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
6.00	2.50	6.75	4.88	2.000	2.75	16.50	2.38	8.25	5.56	1.750	1.50	#12	2.75	48	958-***
	3.00	6.75	4.75	2.000	2.75	16.25	2.38	8.12	5.44	1.750	1.50	#12	2.75	70	960-***
	3.50	6.75	4.75	2.000	2.75	16.25	2.38	8.12	5.44	1.750	1.50	#12	2.75	94	962-***
	4.00	6.75	4.88	2.000	2.75	16.50	2.38	8.25	5.56	1.750	1.50	#12	2.25	120	964-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
7.00	2.50	8.00	5.69	2.500	3.25	18.50	3.00	9.62	6.00	2.188	1.88	#16	3.25	40	968-***
	3.00	8.00	5.69	2.500	3.25	18.50	3.00	9.62	6.00	2.188	1.88	#16	3.25	60	970-***
	3.50	8.00	5.69	2.500	3.25	18.50	3.00	9.62	6.00	2.188	1.88	#16	3.25	82	972-***
	4.00	8.00	5.56	2.500	3.25	19.00	3.00	9.50	6.62	2.188	1.88	#16	3.25	107	974-***
Bore	Rod	A	B	CD	E	F	G	H	I	J	K	L	M	Max Stroke	Part #
8.00	3.50	9.00	6.50	3.000	4.25	22.25	3.75	10.69	7.69	2.625	2.25	#16	4.25	70	978-***
	4.00	9.00	6.50	3.000	4.25	22.25	3.75	10.69	7.69	2.625	2.25	#16	4.25	94	980-***
	4.50	9.00	6.50	3.000	4.25	22.25	3.75	10.69	7.69	2.625	2.25	#16	4.25	118	982-***

### Ordering Information:

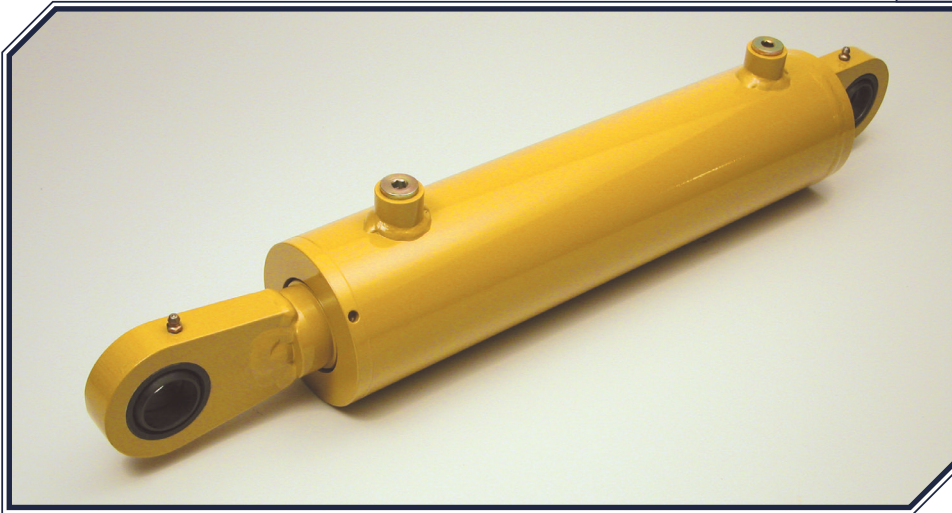
- To complete part #; replace (\*\*.\*\*) with stroke required.
- Other port sizes and locations available upon request.
- Consult factory for longer stroke and/or higher pressure applications.
- Maximum stroke based on full load at full extension.
- Cylinder colors are made to the customer's preference.



# 900 SERIES

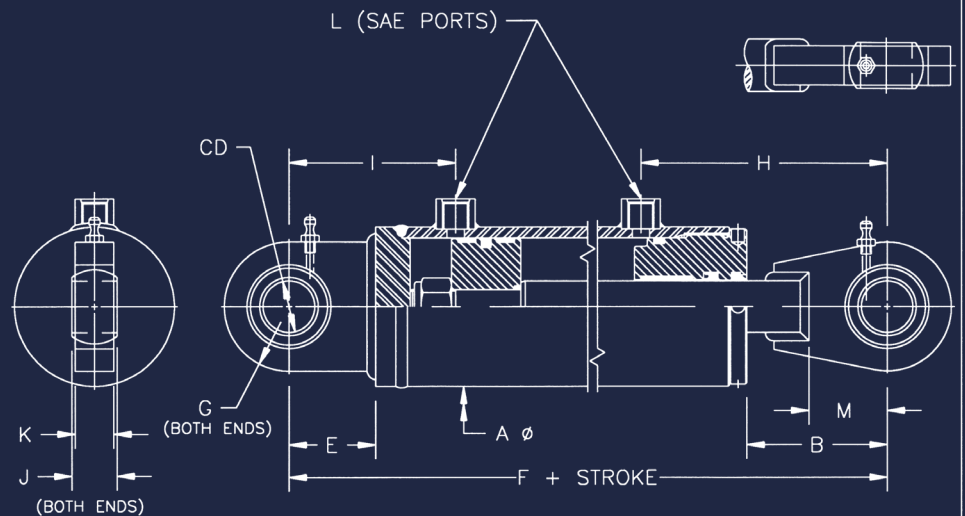
## CYLINDERS

3000 PSI STANDARD DUTY



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## WARRANTY

HYDRAULIC CYLINDERS INC.® warrants its cylinders for 1 year to be free from defects in material and workmanship. HYDRAULIC CYLINDERS INC.® must be notified prior to returning product for warranty evaluation. A Returned Goods Authorization (RGA) number will be issued for proper tracking and expedite service on all warranty evaluations. HYDRAULIC CYLINDERS INC.® will repair or replace free of charge any products returned to the factory within 1 year of shipment that is proven to be defective in material and/or workmanship.

A complete explanation of defects is required with the returned product. The HYDRAULIC CYLINDERS INC.® warranty applies only to products used properly and under normal operating conditions. All products are to be used in a safe manner, in properly designed systems. Safeguards to prevent personal injury or equipment damage must be used and are the sole responsibility of the user.

In no event shall HYDRAULIC CYLINDERS INC.® be liable for any consequential damages or installation costs resulting from delay or failure of delivery, defective material/workmanship or out of breach by HYDRAULIC CYLINDERS INC.® of any contract.

## MAINTENANCE REQUIREMENTS

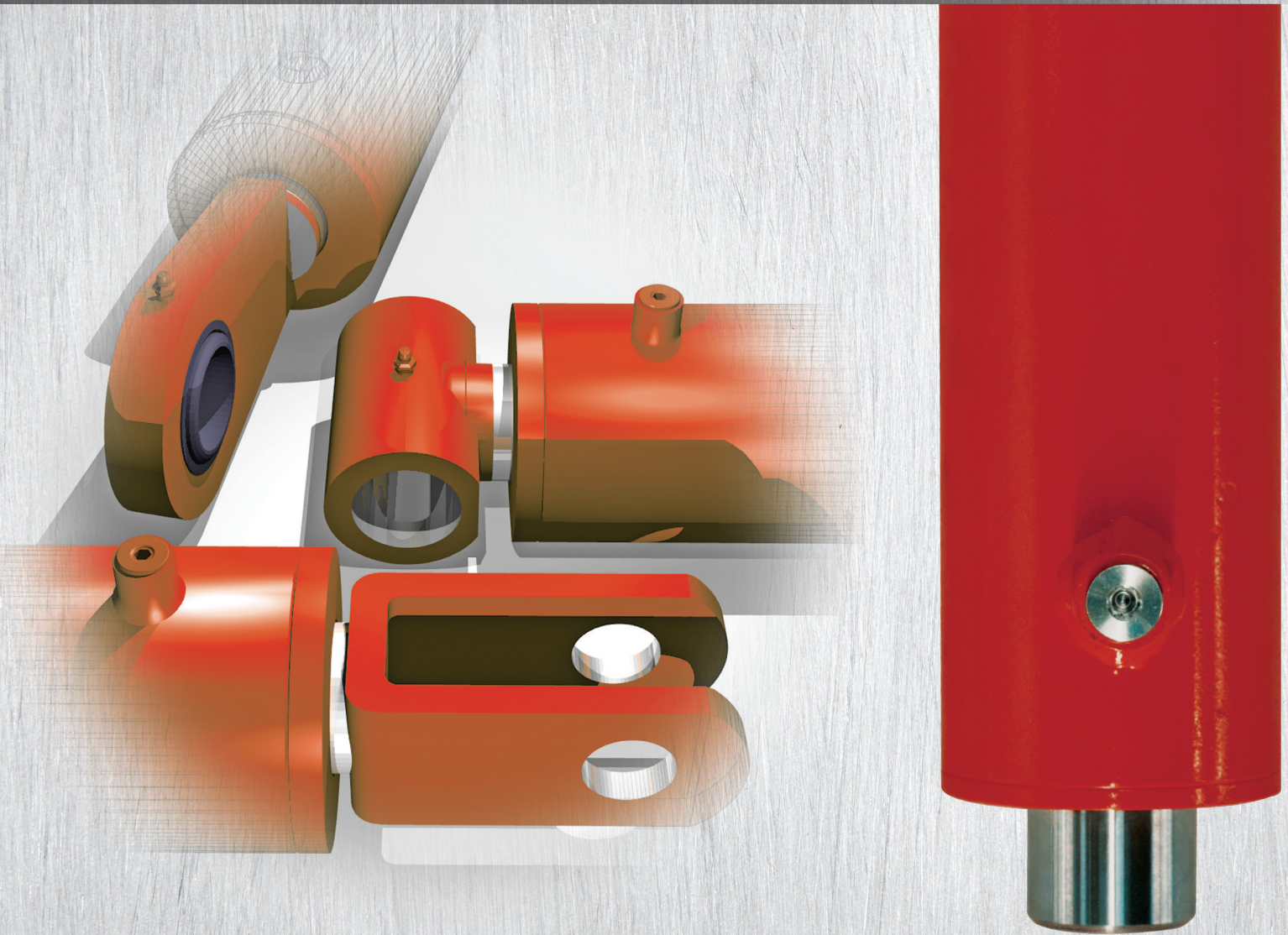
Packing, wipers and bushings are subject to contamination from dirt and other foreign materials, internal and external to the hydraulic system. Warranty claims for the above items which upon inspection are found to be due to abnormal wear or lack of maintenance rather than defective manufacture will not be honored.

**This warranty is the only warranty applicable and excludes all other warranties, expressed or implied (merchantability, fitness for particular purpose or other). Under no circumstances will HYDRAULIC CYLINDERS INC.® obligation hereunder include labor charges or consequential or incidental damages.**



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