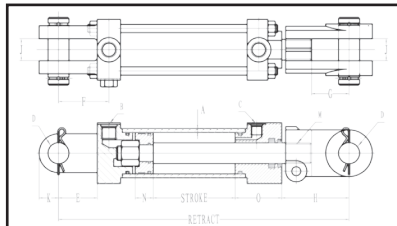


# The Hydraulic CONNECTION

An Informative Industry Newsletter Published By:

## HSTR Olympus Cylinders Now Available!

### 3000 PSI DOUBLE ACTING TIE ROD CYLINDERS



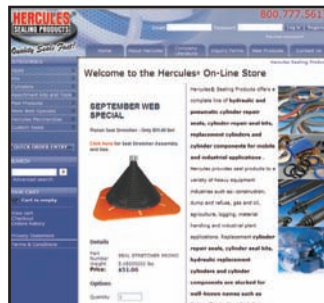
The new HSTR Olympus Line of Cylinders is now in-stock and ready to order. A complete list of product offering, dimensional information and prices can be viewed by visiting the "New Products" section of the Hercules website. These new cylinders are also featured on page 4 of the Hercules Cylinder Catalog - 9th edition. Requests for the Cylinder Catalog and orders for the HSTR Cylinders can be placed online at [www.HerculesUS.com](http://www.HerculesUS.com) or by calling your regional sales staff at 1-800-777-5617.

#### FEATURES:

- Honed Steel tube, precision finished for extended seal life
- Heavy duty, high strength tie rods
- Chromed, ground and polished piston rod
- Pin and clevis included
- Rod seal: Twin lip heavy duty polyurethane seal
- Rod Wiper: Heavy duty metal canned wiper
- 2-piece 93A urethane piston seal with 70A buna energizer
- All pistons designed to include high strength nylon wear bands
- Painted Black

## Online Ordering Made Easy

Many customers have expressed a desire to open a new Hercules Online account but have found the process to be a bit intimidating. This process has been put in place in order to protect your account from fraudulent online purchases. To make the registration process easier, we have established a **Help Desk** to set the account up for you. Please send your e-mail address, customer number and a contact name to [helpdesk@herculesus.com](mailto:helpdesk@herculesus.com). Your account will be set up the same day, and you will receive a welcome e-mail back letting you know that your account is ready to go. If you would like to change your password, it can be done by going to "modify profile." The benefit to ordering online rather than calling or faxing in your order is that online customers are able to view their tracking and freight costs as soon as the package leaves the warehouse. The Webstore also shows your price and availability at checkout (when logged in), and you're able to view your online order history at any time. *We look forward to setting up your new account today!*



## September Web Special SEAL STRETCHER

**\$51.00** Net

(\$170.00 Retail Value)

Offer Available

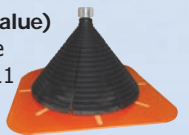
9/1/11 - 9/30/11

While Supplies Last!

When Ordering Online Use

Part# **SEAL STRETCHER PROMO**

See page 2 of the newsletter to view instructions for assembly and use.



## October Web Special METRIC O-RING KIT

**\$13.75** Net

(\$49.43 Retail Value)



Offer Available

10/1/11 - 10/31/11

While Supplies Last!

When Ordering Online Use

Part# **METRIC O KIT-J-A-PROMO**

Visit Hercules at  
**ICUEE Show**

October 4-6, 2011

Louisville, KY

Booth # 1743



# SEAL STRETCHER

Instructions For Assembly And Use

## Included:

- (8) stepped segments
- (1) top nut/handle
- (1) o-ring
- (1) flat base
- (4) screws
- (1) threaded rod with a piston pre-installed
- (1) stop nut
- (1) aluminum support base
- (1) spring



## Directions:

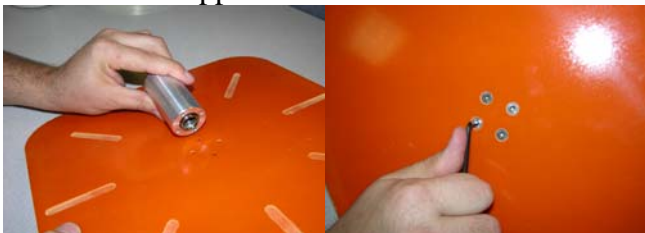
1. Fit the rod through the aluminum support.



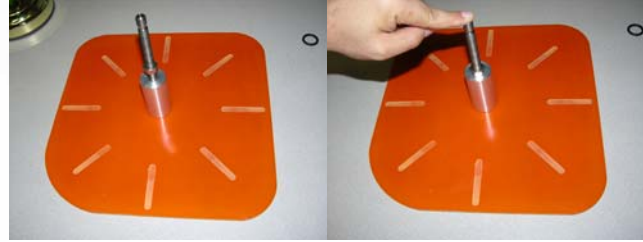
2. Push the spring into the aluminum support.



3. Screw the support onto the base.



4. Install the stop nut.



5. Using the o-ring to bind them, install the stepped segments and align them to the grooves on the base. Hook the top under the o-ring, then push down. Start with a few, and then add one at a time.



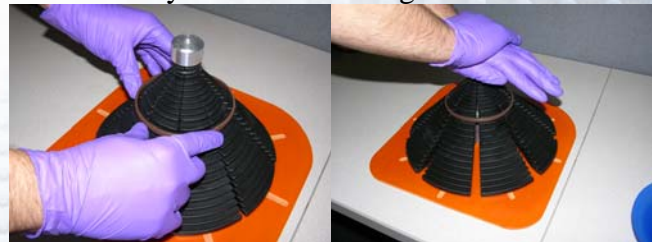
6. Install the top nut/handle, then make final height adjustment if necessary.



7. In hot water or oil, heat the PTFE seal to 130° to 140° F (55° to 60° C ) for about five minutes. This step is necessary to soften the seal. **Do not stretch a seal without heating it first. It will break.**



8. Fit the seal over the cone, and press down firmly and smoothly to stretch the ring.

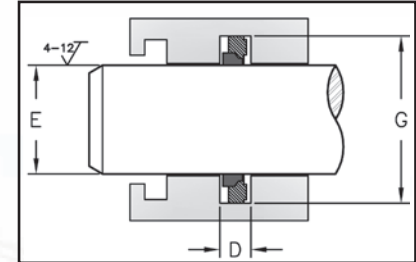
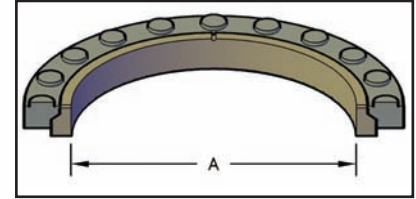


**NEW**

# ROD BUFFER SEALS

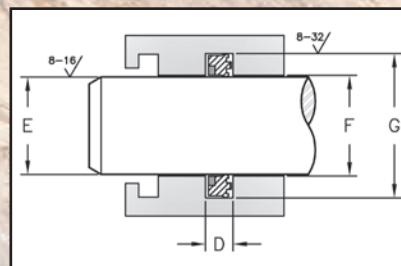
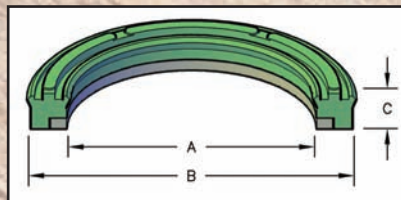
## BRS - Inch Rod Seal

Part Number	A ID	E Rod Diameter	Tolerance	G Housing Diameter	Tolerance	D Groove Width	Tolerance	List Price
BRS-17502	1-3/4	1.750	+0.000 -0.003	2.174	+0.004 +0.000	0.166	+0.010 +0.000	\$21.87
BRS-20003	2	2.000	+0.000 -0.004	2.616	+0.005 +0.000	0.247	+0.010 +0.000	28.93
BRS-25003	2-1/2	2.500	+0.000 -0.004	3.116	+0.005 +0.000	0.247	+0.010 +0.000	33.02
BRS-27503	2-3/4	2.750	+0.000 -0.004	3.366	+0.005 +0.000	0.247	+0.010 +0.000	34.04
BRS-30003	3	3.000	+0.000 -0.004	3.616	+0.005 +0.000	0.247	+0.010 +0.000	35.11
BRS-32503	3-1/4	3.250	+0.000 -0.004	3.866	+0.005 +0.000	0.247	+0.010 +0.000	35.91
BRS-35003	3-1/2	3.500	+0.000 -0.004	4.116	+0.005 +0.000	0.247	+0.010 +0.000	37.56
BRS-45003	4-1/2	4.500	+0.000 -0.004	5.116	+0.005 +0.000	0.247	+0.010 +0.000	43.60
BRS-50003	5	5.000	+0.000 -0.004	5.616	+0.005 +0.000	0.247	+0.010 +0.000	52.04



- **Profile** - BRS
  - **Material** - Bronze PTFE Buffer, Rubber energizer
  - **Temperature** -40 - +220° F
  - **Pressure** - 0 TO 5,000 PSI
  - **Speed** - 15 FT/SEC
- Molded in Bronze filled PTFE with a rubber energizer, this heavy duty buffer seal is ideal for heavy duty service to protect the primary seal from damage caused by pressure spikes and excessive heat build up.

## MBRW - Metric Rod Seal



- **Profile** - MBRW
  - **Material** - 93A Urethane Nylon Back-Up
  - **Temperature** -30 - +230° F
  - **Pressure** - 0 TO 7,200 PSI
  - **Speed** - 1.5 FT/SEC
- This compact rod seal is primarily used as a buffer seal and is often found in construction machinery cylinders. It was developed for use under extreme pressure and where pressure spikes up to 14,000 psi are common.

Part Number	A ID	B OD	C HT	E Rod Diameter	Tol.	G Housing Diameter	Tolerance	D Groove Width	Tol.	List Price
MBRW-60X75X8.5	60	75	8.5	60	-0.030 -0.060	75	+0.190 +0.000	9.5	+0.200 +0.000	Call
MBRW-70X85X8.5	70	85	8.5	70	-0.030 -0.060	85	+0.220 +0.000	9.5	+0.200 +0.000	Call
MBRW-80X95X8.5	80	95	8.5	80	-0.030 -0.060	95	+0.220 +0.000	9.5	+0.200 +0.000	Call
MBRW-90X105X8.5	90	105	8.5	90	-0.036 -0.071	105	+0.220 +0.000	9.5	+0.200 +0.000	Call
MBRW-100X120X11.4	100	120	11.4	100	-0.036 -0.071	120	+0.220 +0.000	12.5	+0.200 +0.000	Call
MBRW-120X140X11.4	120	140	11.4	120	-0.036 -0.071	140	+0.250 +0.000	12.5	+0.200 +0.000	Call
MBRW-130X150X14.5	130	150	14.5	130	-0.043 -0.083	150	+0.250 +0.000	16	+0.200 +0.000	Call
MBRW-140X160X14.5	140	160	14.5	140	-0.043 -0.083	160	+0.250 +0.000	16	+0.200 +0.000	Call
MBRW-160X180X14.5	160	180	14.5	160	-0.043 -0.083	180	+0.250 +0.000	16	+0.200 +0.000	Call
MBRW-170X195X14.5	170	195	14.5	170	-0.043 -0.083	195	+0.290 +0.000	16	+0.200 +0.000	Call
MBRW-180X205X14.5	180	205	14.5	180	-0.043 -0.083	205	+0.290 +0.000	16	+0.200 +0.000	Call
MBRW-200X225X14.5	200	225	14.5	200	-0.050 -0.096	225	+0.290 +0.000	16	+0.200 +0.000	Call

**Call 1.800.777.5617 or Order Online [www.HerculesUS.com](http://www.HerculesUS.com)**



1016 N. Belcher Road  
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**1-800-777-5617**

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# HERCULES SNOW PLOW CYLINDERS SINGLE ACTING

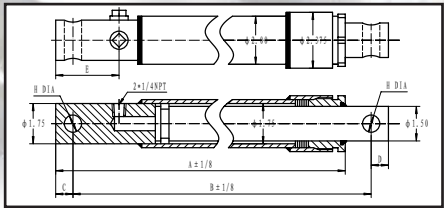
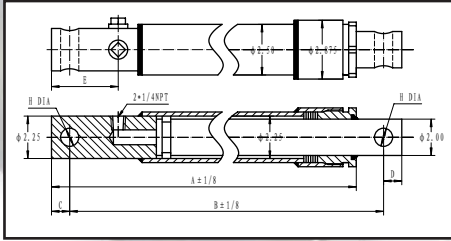
With winter just around the corner, now's the perfect time to get your equipment ready with a new **Hercules Snow Plow Cylinder**. Cylinders can be ordered

online by visiting the cylinder section of the Hercules website at [www.HerculesUS.com](http://www.HerculesUS.com) or calling your regional sales representative at **1-866-625-0606**.



**FEATURES**

- Ductile iron piston
- Ductile iron gland, drilled oil passages
- Honed steel tube, precision finished for extended seal life
- High tensile, hard chrome plated rod
- Tube Seal: O-ring
- Rod Seal: Vee packing and ST wiper
- 2-Piece 93A urethane piston seal, with a 70A nitrile energizer
- All Seals: Manufactured to US specifications



PART NUMBER	DESCRIPTION	A	B	C & D	E	H	WT LBS.	LIST PRICE	RESELLER PRICE
HSPM-2012-0625	MYER 2.0" X 12"	17-1/4	18.00	3/4	2-3/16	5/8	18	\$ 134.16	\$ 77.37
HSPW-2016-1000	WESTERN & DIAMOND 2.0" X 16"	22-5/8	23-5/8	11/16	2-3/4	1.00	21	114.06	65.78
HSPW-2006-0750	WESTERN 2.0" X 6"	12-5/8	13-3/16	3/4	2-3/4	3/4	13	130.29	75.14
HSPW-2010-1000	WESTERN 2.0" X 10"	16-5/8	17-1/4	11/16	2-3/4	1.00	16	155.52	89.69
HSPF-2016-125	FISHER 2.0" X 16"	22-1/2	23-1/4	7/8	2-3/4	1-1/4	20	155.52	89.69

PART NUMBER	DESCRIPTION	A	B	C & D	E	H	WT LBS.	LIST PRICE	RESELLER PRICE
HSPM-1506-0625	MYER 1.5" X 6"	11-7/8	12.00	11/16	2.00	5/8	12	\$ 87.94	\$ 50.71
HSPM-1510-0625	MYER 1.5" X 10"	15-7/8	16-1/4	11/16	2.00	5/8	14	100.06	57.71
HSPM-1512-0625	MYER 1.5" X 12"	17-7/8	18.00	11/16	2.00	5/8	15	105.81	61.02
HSPW-1506-0750	WESTERN 1.5" X 6"	12-5/8	13.00	11/16	2-3/4	3/4	12	87.94	50.71
HSPW-1508-0750	WESTERN 1.5" X 8"	14-5/8	15-1/4	11/16	2-3/4	3/4	13	94.42	54.45
HSPW-1510-0750	WESTERN 1.5" X 10" X 3/4"	16-5/8	17-1/4	11/16	2-3/4	3/4	14	100.06	57.71
HSPW-1510-1000	WESTERN 1.5" X 10" X 1"	16-5/8	17-1/2	11/16	2-3/4	1.00	14	100.06	57.71
HSPA-1510-0750	ARTIC 1.5" X 10"	16-5/8	17.00	3/4	2-3/4	3/4	14	100.06	57.71
HSPA-1512-0750	ARTIC 1.5" X 12"	18-5/8	19.00	3/4	2-3/4	3/4	15	105.81	61.02
HSPF-1512-1000	FISHER 1.5" X 12"	18-7/16	19-3/8	3/4	2-5/8	1.00	15	100.06	57.71
HSPF-1510-1000	FISHER & DIAMOND 1.5" X 10"	16-3/8	17-1/4	3/4	2-11/16	1.00	14	105.81	61.02

**REPLACEMENT SEALS**

SEAL KIT NUMBER	DESCRIPTION	LIST PRICE
HC181-SK-SP150	1-1/2" ROD CYLINDER	\$ 7.23
HC181-SK-SP200	2" ROD CYLINDER	8.71