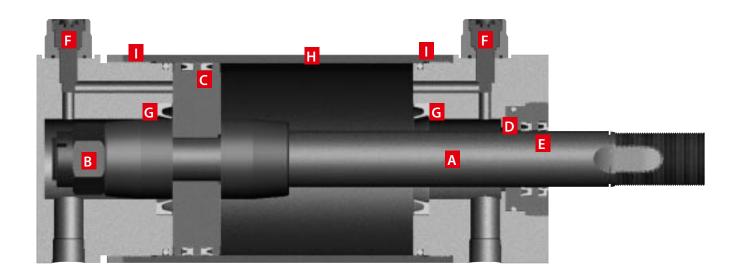


## **Table Of Contents**

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# **TS/HTS Design Features**



### A High Yield Piston Rod

- Piston rod is machined from high yield, turned, ground and polished C-1045/50 microalloy steel.
- Piston rods are hard chrome plated a minimum of .001" diametrically to insure superior cylinder operation and life.

### **B** Secured Piston

 Ductile iron piston is secured to the piston rod with a torqued self-locking nut.

## Olitrile Lip Type Piston Seals

- Nitrile lip type piston seals are pressure energized and are standard on all TS/HTS cylinders.
- Cast iron rings are available as an option.

### D Rod Seal

- Pressure energized nitrile lip type rod seal, and its supportive back-up, provides exceptional rod sealing performance, whether used on air or medium pressure hydraulics.
- SAE 660 bronze rod bearing is easily removed for access to rod seals without disassembling cylinder.

## E Rod Wiper

- High durometer double lip urethane material has four times the abrasion resistance of more conventional rod wiper materials.
- Unique snap-in type design provides an excellent wiping lip, plus a secondary sealing lip in one component.

## E Cushion Adjustments

 Adjustments are easily made externally with a standard Hex wrench.

### **G** Flexible Cushion Seals

- Flexible, elastomeric lip seals are used on the TS series.
- Floating metallic design is used on the HTS series.
- Both designs provide excellent cushioning and immediate response on return stroke.

## **H** High Yield Steel Tubing

- Produced to exceed ASTM 513 specifications.
- Hydraulically straightened before honing.
- I.D. is hard chrome plated a minimum of .001" diametrically.
- This combination of superior base material and processing increases cylinder life.

## Threaded Body & Heads

- Threaded body and heads eliminate the need for tie rods.
- Saves the space typically consumed by tie rods.

## **Specifications**

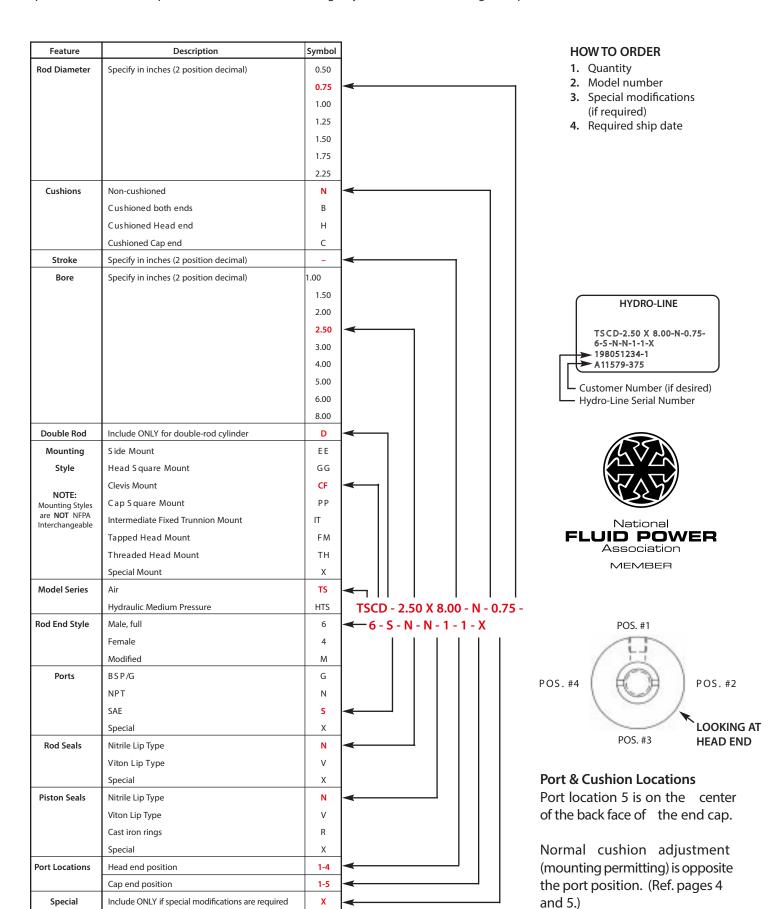
**Bore Sizes:** 1" through 8"

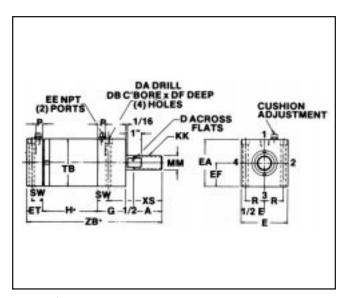
**Pressure Ratings:** TS – 200 psi Nominal Air Service

HTS – 1,000 psi Nominal Hydraulic Service

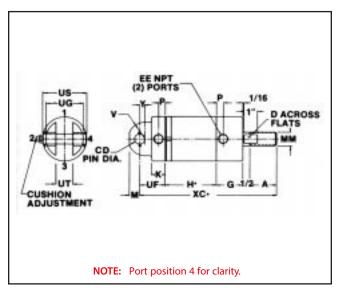
# How to Order a TS/HTS Cylinder

Hydro-Line standard cylinders can be completely and accurately identified with a model number that encodes construction specifications. To develop the model number for ordering a cylinder, see the following example:

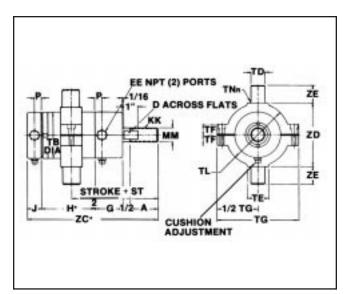




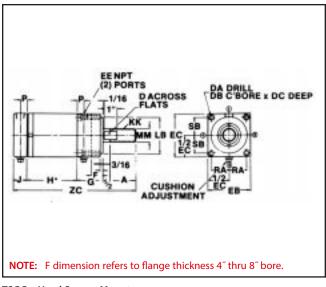
TSEE - Side Mount



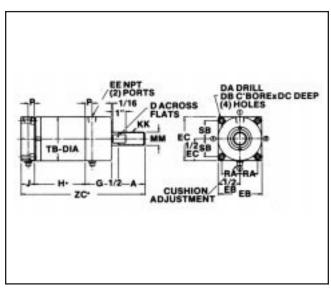
TSCF - Clevis Mount



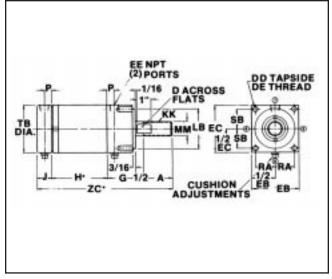
TSIT - Intermediate Fixed Trunnion Mount



TSGG - Head Square Mount

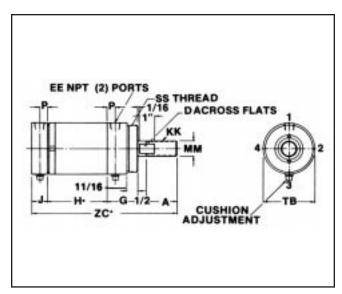


TSPP - Cap Square Mount

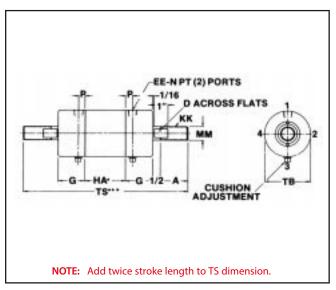


TSFM - Tapped Head Mount

## **All Mountings**



TSTH - Threaded Head Mount



TSD - Double Rod

**NOTE:** Mounting Styles are NOT NFPA Interchangeable.

# Cylinder Dimensions

BORE 1 1 $1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\begin{pmatrix} 4 & 1\frac{1}{2} \\ 16 & 1\frac{1}{2} \\ 12 & 2^{25} \\ 12 & 1^{3} \\ 16 & 1^{2} \\ 12 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 18 & 7^{3} \\ 18 & 7^{3} \\ 14 & 1^{1} \\ 12 & 8^{1} \\ 12 & 8^{1} \\ 13 & 8^{5} \\ 16 & 8^{11} \\ 16 & 8^{11} \\ 16 & 8^{11} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 16 & 1^{3} \\ 17 & 1^{2} \\ 17 & $
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{pmatrix} 4 & 1 \frac{1}{2} \\ 16 & 1 \frac{1}{2} \\ 12 & 2^{5} \\ 32 & 1^{3} \frac{1}{16} \\ 32 & 1^{1} \frac{1}{16} \\ 33 & 1^{1} \frac{1}{16} \\ 34 & 3^{1} \frac{1}{$
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{pmatrix} 4 & 1 \frac{1}{2} \\ 7 \frac{3}{4} \\ 2 & 8 \frac{1}{2} \\ 6 & 8 \frac{11}{16} \\ 6 & 8 \frac{11}{16} \\ 6 & 8 \frac{11}{16} \\ 6 & 4 \frac{3}{4} \\ 6 & 4 \frac{3}{4} \\ 6 & 4 \frac{1}{2} \\ 6 & 1 \frac{1}{2} \\ 6 & 1 \frac{1}{2} \\ 7 & 1 $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	\( \begin{align*} \lambda_8 & 8^5/8 \\ \lambda_{16} & 8^{11}/\line{1}_{16} \\ \lambda_{16} & 8^{11}/\line{1}_{16} \\ \lambda_{4} & 3^4/4 \\ \lambda_{32} & 4^9/\lambda_{32} \\ \lambda_{2} & 1^1/\line{1}_{2} \end{align*}
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{7}{16}$ $\frac{8^{11}}{16}$ $\frac{8^{11}}{16}$ $\frac{8^{11}}{16}$ $\frac{3^{11}}{4}$ $\frac{3^{1}}{4}$ $\frac{4^{9}}{32}$ $\frac{4^{9}}{32}$ $\frac{1^{1}}{2}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{pmatrix} 1_{16} & 8^{11}/_{16} \\ 4 & 3/_{4} \\ 4/_{32} & 4^{9}/_{32} \\ 4/_{2} & 1^{1}/_{2} \end{pmatrix}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{4}{32}$ $\frac{4}{32}$ $\frac{1}{2}$ $\frac{1}{2}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{7}{32}$ $4^{9}/_{32}$ $\frac{7}{2}$ $1^{1}/_{2}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	/2 11/2
ET $\frac{5}{8}$ $\frac{15}{16}$ $\frac{11}{16}$ $\frac{11}{16}$ $\frac{11}{16}$ $\frac{11}{4}$ $\frac{11}{4}$ $\frac{11}{4}$ $\frac{11}{1}$ $\frac{11}{4}$ $1$	1½
G $1\frac{7}{16}$ $1\frac{1}{2}$ $1\frac{3}{4}$ $1\frac{15}{16}$ $1\frac{15}{16}$ $2\frac{1}{4}$ $2\frac{1}{4}$ $2\frac{11}{4}$	
G $1\frac{7}{16}$ $1\frac{1}{2}$ $1\frac{3}{4}$ $1\frac{15}{16}$ $1\frac{15}{16}$ $2\frac{1}{4}$ $2\frac{1}{4}$ $2\frac{11}{4}$	/ <sub>4</sub> 1½
	213/16
H $2^{15}/_{16}$ $3^{3}/_{16}$ $3^{9}/_{16}$ $3^{9}/_{16}$ $3^{11}/_{16}$ $4^{1}/_{2}$ $4^{1}/_{2}$ $4^{1}/_{2}$	½ 5½ <sub>16</sub>
HA $2\frac{5}{8}$ $2\frac{7}{8}$ $3\frac{1}{4}$ $3\frac{1}{4}$ $3\frac{3}{4}$ $4\frac{1}{32}$ $4\frac{1}{32}$ $4\frac{1}{22}$	
J 5/ <sub>8</sub> 3/ <sub>4</sub> 11/ <sub>16</sub> 11/ <sub>16</sub> 1 11/ <sub>4</sub> 11/ <sub>4</sub> 11/ <sub>7</sub>	
K $\frac{5}{8}$ $\frac{3}{4}$ $\frac{11}{16}$ $\frac{11}{16}$ $\frac{1}{16}$ $\frac{1}{16}$ $\frac{15}{16}$ $\frac{113}{32}$ $\frac{15}{16}$	/ <sub>8</sub> 1 <sup>5</sup> / <sub>8</sub>
KK ½-20 ½-20 ¾-16 ¾-16 1-14 1¼-12 1¼-12 1½-	
L 1½ 1½ 1¾	
LB 1.219 1.625 2.000 2.375 2.750 4.125 4.875 5.75	7.375
M 5/6 7/6 1/2 1/2 3/4 3/4 1 11	
MM	$\frac{1^{3}}{4}$ $\frac{1^{3}}{4}$
P 5/16 3/8 3/8 1/2 1/2 5/8 5/8 3/.  R 29/64 43/64 55/64 11/16 15/16 17/8 21/4 23/.	4 / <sub>4</sub> 3 <sup>1</sup> / <sub>2</sub>
1 2 40 21 5 11 27 27 21 5	
SB $\frac{3}{4}$ $\frac{31}{52}$ $\frac{3}{32}$ $\frac{11}{32}$ $\frac{11}{52}$ $\frac{11}{52}$ $\frac{27}{4}$ $\frac{23}{52}$ SS $\frac{11}{4}$ -24 $\frac{11}{2}$ -16 $\frac{2}{16}$ $\frac{21}{2}$ -16 $\frac{3}{16}$	
ST $4\frac{1}{4}$ $4\frac{7}{16}$ $5\frac{3}{8}$ $5\frac{9}{16}$ $6\frac{1}{8}$ $7\frac{1}{4}$ $7\frac{1}{4}$ $8\frac{3}{4}$	
SW $\frac{5}{1_{16}}$ $\frac{11}{1_{16}}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{7}{8}$ $\frac{3}{4}$ 1	10
TB $1\frac{1}{4}$ $1\frac{3}{4}$ $2\frac{1}{4}$ $2\frac{3}{4}$ $3\frac{1}{4}$ $4\frac{1}{2}$ $5\frac{1}{2}$ $6\frac{1}{2}$	/2 81/2
TD $\frac{1}{2}$ $\frac{5}{8}$ $\frac{7}{8}$ 1 $\frac{1}{4}$ $\frac{1}{4}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2	
TE $\frac{11}{16}$ $\frac{7}{8}$ $\frac{11}{8}$ $\frac{11}{4}$ $\frac{11}{4}$ $\frac{13}{4}$ 2 $\frac{21}{4}$	
TF 1/2 1/2 5/8 3/4 3/4 1 1 1	
TG 2 <sup>7</sup> / <sub>8</sub> 3 <sup>5</sup> / <sub>8</sub> 4 <sup>1</sup> / <sub>2</sub> 5 <sup>1</sup> / <sub>8</sub> 5 <sup>3</sup> / <sub>4</sub> 7 <sup>7</sup> / <sub>8</sub> 9 <sup>1</sup> / <sub>8</sub> 9 <sup>7</sup> / <sub>8</sub>	
TL 2 2 <sup>3</sup> / <sub>4</sub> 3 <sup>3</sup> / <sub>8</sub> 3 <sup>7</sup> / <sub>8</sub> 4 <sup>1</sup> / <sub>2</sub> 6 <sup>1</sup> / <sub>4</sub> 7 <sup>1</sup> / <sub>4</sub> 8 <sup>1</sup> / <sub>7</sub>	
TN 1/32 1/16 1/16 1/16 1/16 1/16 1/16 1/16 1/1	6 1/16
TS * $8\frac{1}{2}$ $8\frac{7}{8}$ $10\frac{3}{4}$ $11\frac{1}{8}$ $12\frac{1}{4}$ $14\frac{17}{32}$ $14\frac{17}{32}$ $16\frac{1}{12}$	
UF $1\frac{1}{16}$ $1\frac{5}{16}$ $1\frac{11}{16}$ $1\frac{13}{16}$ $1\frac{7}{8}$ $2\frac{7}{4}$ $2\frac{7}{2}$ $3$	
UG 1½ 1½ 1½ 2½ 2½ 3½ 3½ 3½ 43	
US ‡ 15/ <sub>8</sub> 2 21/ <sub>4</sub> 25/ <sub>8</sub> 33/ <sub>16</sub> 315/ <sub>16</sub> 41/ <sub>4</sub> 51/ <sub>7</sub>	
UT ½ ¾ ¾ 1 1 1¼ 1½ 1½ 2	
V 9/16 23/32 7/8 1 17/32 15/8 11/16 15/	
XC $6^{15}/_{16}$ $7^{1}/_{2}$ 9 $9^{5}/_{16}$ 10 12 $12^{1}/_{4}$ $13^{11}$	
XS $2\frac{5}{8}$ $2\frac{5}{16}$ 3 $3\frac{3}{16}$ $3\frac{11}{16}$ $4\frac{3}{8}$ $4\frac{1}{2}$ $5\frac{3}{16}$	
Y 7/32 1/4 5/16 3/8 3/8 3/4	
ZB 6½ 7½ 8¾ 8¾ 8¾ 9⅓ 9¾ 11 11 12 12	
ZC $6\frac{1}{2}$ $6\frac{15}{16}$ $8\frac{3}{8}$ $8\frac{9}{16}$ $9\frac{1}{8}$ 11 11 12	
ZD 2 $2\frac{3}{4}$ $3\frac{3}{8}$ $3\frac{7}{8}$ $4\frac{1}{2}$ $6\frac{7}{4}$ $7\frac{3}{4}$ $9\frac{7}{8}$	
ZE $\frac{7}{16}$ $\frac{5}{8}$ $\frac{3}{4}$ 1 $\frac{11}{4}$ $\frac{13}{8}$ $\frac{11}{2}$ $\frac{13}{8}$	/ <sub>4</sub> 2½

Dimensions shown in red are mounting dimensions.

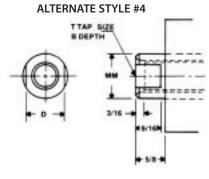
- ★ Add stroke to all starred dimensions.
- ‡ Clevis pin length.

**NOTE:** Overall length dimensions that require addition of stroke may vary from dimensions shown, due to manufacturing tolerances.

## **TS/HTS Series Rod End Selection**

All Dimensions in inches

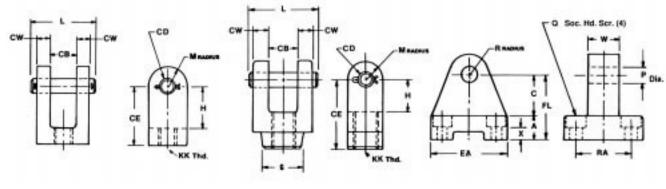
Standard Rod	Alternate Rod Dia.
1/2	N/A
1/2	N/A
3/4	1*
3/4	1
1	11/4
11/4	1½
11/4	1½
1½	13/4
13/4	21/4
	Rod  1/2  1/2  3/4  3/4  1  11/4  11/4  11/2



MM (ROD DIAMETER)	D	Т	В
1/2	7/16	<sup>3</sup> / <sub>8</sub> -24	1
3/4	5/8	1/ <sub>2</sub> -20	1 ½
1	3/8	<sup>5</sup> ⁄ <sub>8</sub> -18	1 ½
11/4	11/16	<sup>3</sup> ⁄ <sub>4</sub> -16	1 ½
1½	1 <sup>5</sup> / <sub>16</sub>	1-14	1 ½
13/4	11/2	11/4-12	2

# **TS/HTS Series Mounting Accessories**

All Dimensions in inches



ROD CLEVIS (for bore sizes 2 thru 8)

MOUNTING BRACKET (for clevis mount cylinders)

PART NI Mtg. Brk.	UMBERS Rod Clevis	BORE SIZE	ROD SIZE	Α	С	СВ	CD	CE	cw	EA	FL	G	Н	KK Thd.	L	М	Р	Q	R	RA	W	х
TS-125	TS-126	1	1/2	<sup>7</sup> / <sub>16</sub>	11/16	17/32	5/16	1½	1/4	11/4	11/8	<sup>13</sup> / <sub>16</sub>	3/4	½ -20	1 1/16	11/32	11/32	#10	3/8	7/8	1/2	1/4
TS-1525	TS-1526	1½	1/2	1/2	<sup>15</sup> / <sub>16</sub>	25/32	3/8	1½	<sup>5</sup> / <sub>16</sub>	13/4	1 1/16	<sup>13</sup> / <sub>16</sub>	3/4	½ -20	1 <sup>13</sup> / <sub>16</sub>	7/16	13/32	1/4	<sup>7</sup> / <sub>16</sub>	11/4	1/2	1/4
TS-225	TS-226	2	3/4	1/2	11/16	25/32	1/2	21//8	1/2	21/4	1%	11/4	1	<sup>3</sup> / <sub>4</sub> -16	2 1/4	<sup>9</sup> / <sub>16</sub>	17/32	5/16	1/2	15//8	3/4	<sup>5</sup> / <sub>16</sub>
TS-2525	TS-2526	21/2	3/4	1/2	11/16	11/32	1/2	21//8	1/2	21/4	1 %	13//8	1	<sup>3</sup> / <sub>4</sub> -16	2	5/8	17/32	5/16	1/2	15//8	1	5/16
TS-325	TS-326	3	1	<sup>11</sup> / <sub>16</sub>	1%	1%32	3/4	23/4	1/2	31/4	21/4	1 1 1/8	11/4	1-14	3	7/8	<sup>25</sup> / <sub>32</sub>	3/8	3/4	23//8	11/4	3/8
TS-425	TS-426	4	11/4	<sup>11</sup> / <sub>16</sub>	1%	117/32	3/4	3½	<sup>13</sup> / <sub>16</sub>	31/4	21/4	2	1 1 1 1 1 1 1 1	11/4-12	3 1/8	15/ <sub>16</sub>	25/32	3/8	3/4	23//8	1½	3/8
TS-525	TS-526	5	11/4	3/4	13/4	117/32	1	33/4	7/8	4	2½	21/4	1 1 1/8	11/4-12	4	1 1/8	11/32	1/2	1	2 1/8	1½	1/2
TS-625	TS-626	6	1½	13 <sub>/16</sub>	2 3/16	21/32	11/4	43//8	11/16	5	3	2 1/8	21/8	1½-12	4 1/8	13//8	1 1 1 1 1 1 1 1	9/16	11/4	3 1/8	2	9/16
TS-825	TS-826	8	13/4	15/ <sub>16</sub>	211/16	217/32	1½	5	11/8	6	3 1/8	3	23//8	13/4-10	5 %	1 1 1/8	1 17/32	3/4	1½	43//8	2½	3/4
_	TS-826 AL	8	2 1/4	-	_	2 17/32	1½	53/4	11/8	_	_	3 ½	2	21/4-8	5 <sup>9</sup> / <sub>16</sub>	1 1 1/8	_	-	_	_	_	-

<sup>\*2</sup> Bore with 1" Rod Offered Cushioned Head End Only

### TS/HTS Series Seal Kits

BORE	ROD	SEAL KIT						
	DIA.	ROD SEAL KIT	PISTON SEAL KIT					
1½	1/2	TS92050875HAC	SS01533USK					
2	3/4	TS92075125HAC	SS02033USK					
	1	TS92100150HAC	SS02033USK					
2 ½	3/4	TS92075125HAC	SS02533USK					
	1	TS92100150HAC	SS02533USK					
3	1	TS92100150HAC	SS03033USK					
	11/4	TS92125175HAC	SS03033USK					
4	11/4	TS92125175HAC	SS04033USK					
	1½	TS92150212HALAC	SS04033USK					
5	11/4	TS92125175HAC	SS05033USK					
	1½	TS92150212HALAC	SS05033USK					
6	1½	TS92150212HAC	SS06033USK					
	13/4	TS92175237HALAC	SS06033USK					
8	13/4	TS92175237HAC	SS08033USK					
	2 1/4	TS92225287HALAC	SS08033USK					

**NOTE:** Seal material is nitrile standard. If you require viton, specify "V" at the end of the kit number.

Example:  $1.5 - \frac{1}{2} = TS92050875HAC V$ 

#### **ROD SEAL KIT INCLUDES:**

- (1) ROD BEARING
- (1) ROD SEAL
- (1) ROD WIPER
- (1) ROD BEARING O-RING

### TS/HTS Mounting Symbol Interchange Chart

AIR-DRO SPACE SAV	_	HYDRO-L TSAVER	INE	VICKERS/TJ SPACEMAKER			
Mount Name	Symbol	Mount Name	Symbol	Mount Name	Symbol		
Foot	А	Side	EE	Front	0		
Front Flange	В	Head Square	Rod End Flange	07			
Clevis	С	Clevis	CF	Clevis	10		
Rear Flange	D	Cap Square	PP	Blind End Flang	12		
Center Trunnion	E	Intermediate Fixed Trunnion	IT	Intermediate Trunnion	15		
Tapped Front Flange	F	Tapped Head	FM	Rod End Tapped Flang	18		
Threaded Head	G	Threaded Head	TH	Rod End Threaded Hea	20		

### **ONE YEAR LIMITED WARRANTY**

#### **One Year Normal Use**

Hydro-Line Products are warranted for a period of one year from date of shipment from our plant to be free from defects in workmanship and material under correct use, normal operating conditions and proper applications. This warranty does not extend to goods damaged, or subjected to accident, abuse, or misuse after shipment from our factory, nor to goods altered or repaired by anyone other than authorized Hydro-Line representatives.

### **Disclaimers**

This one year limited warranty is the only warranty extended by Hydro-Line in connection with any sale by Hydro-Line. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, notwithstanding disclosure to Hydro-Line of the product's intended use. An affirmation of fact or promise made on behalf of Hydro-Line shall not be deemed to create an expressed warranty that the goods shall conform to the affirmation of promise; any description of the goods is for the sole purpose of identifying them and shall not be deemed to create an expressed warranty that the goods shall conform to such description; any sample or model is for illustrative purposes only and shall not be deemed to create an expressed warranty that the goods shall conform to the sample or model; and no affirmation or promise, or description, or sample or model, shall be deemed part of the basis of the bargain.

#### **Exclusive Remedy**

Hydro-Line's obligation upon breach of warranty shall be limited to replacing or repairing at our option, free of charge,

but not including installation, dismantling, reassembling or any other charge, the particular product or part which inspection discloses to have been defective at time of shipment. Inspection may be at the place of installation and use, or at our plant if requested (if returned to us at our expense including lowest transportation cost). Written notice of such defect shall be given by customer to Hydro-Line within 30 days after such defect(s) appear. Written permission for any warranty claim return must be first obtained from authorized Hydro-Line representatives. All returns must be accompanied with a complete written explanation of claimed defects and the circumstances of operational failure. Replacement of cylinders or parts thereof repaired under this warranty shall be warranted under the terms of this warranty for the remainder of the term of the original warranty or for a period of six months after such repair or replacement, whichever is longer. Upon expiration of the warranty, all of Hydro-Line's obligations hereunder shall terminate.

IN NO EVENT SHALL HYDRO-LINE HAVE ANY LIABILITY FOR PAYMENT OF ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL OR TORT DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, ANY LOSS OF PROFITS, TO THE EXTENT EXCLUSION IS PERMITTED BY LAW.

This warranty states our entire and exclusive liability and buyer's exclusive remedy for any claim of damages in connection with the sale or furnishing of Hydro-Line's products or parts, their design, suitability for use, installations or operation, or for any claimed defects therein. Goods not manufactured by Hydro-Line are furnished subject only to the Manufacturer's warranties, if any, and without warranties, expressed or implied, by Hydro-Line.



#### Products we offer:

- Cartridge valves
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Gear motors
- Gear pumps
- Hydraulic integrated circuits (HICs)
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1\* controllers
- PLUS+1<sup>®</sup> displays
- PLUS+1\* joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software
- PLUS+1\* software services, support and training
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics

**Hydro-Gear** www.hydro-gear.com

**Daikin-Sauer-Danfoss** www.daikin-sauer-danfoss.com **Danfoss Power Solutions** is a global manufacturer and supplier of high-quality hydraulic and electric components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

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