

Parts List for:

110089	110095
110090	110096
110091	110097

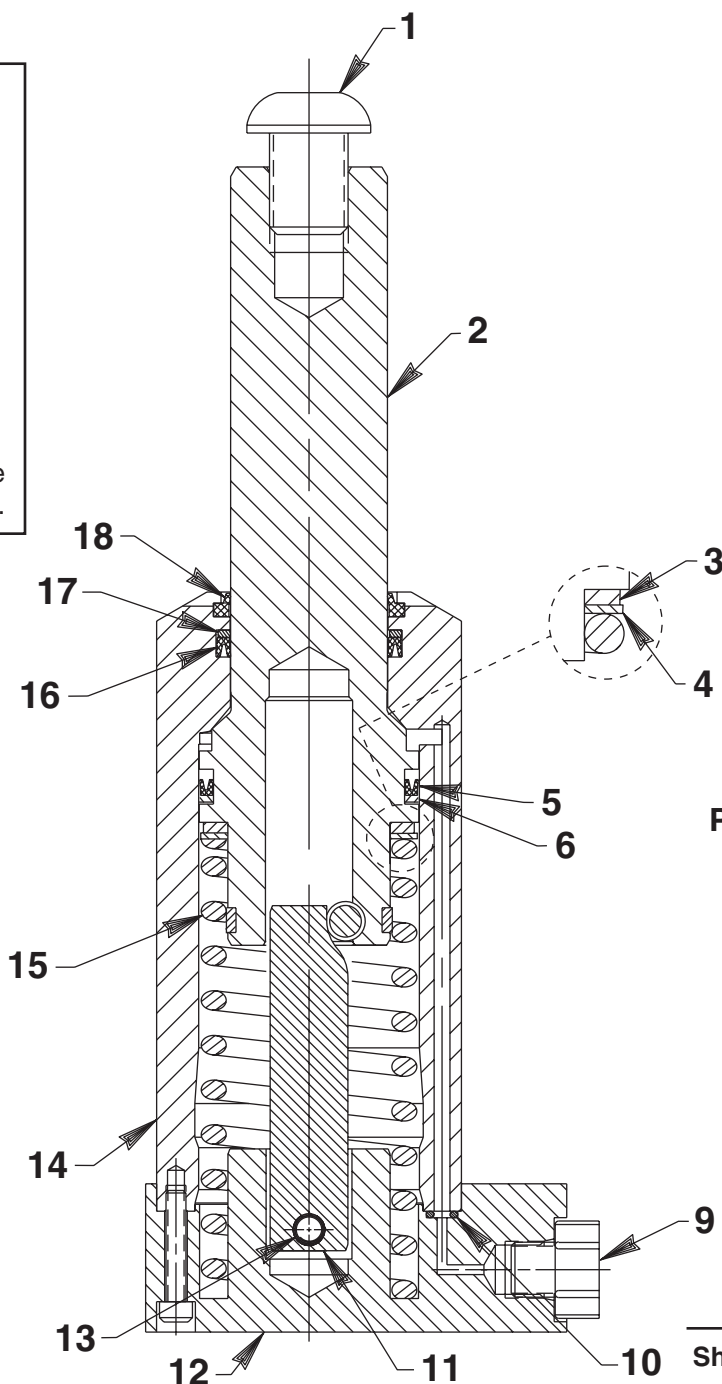
**SINGLE-ACTING (LOWER FLANGE)
SWING / PULL CLAMP**

Max. Capacity: 4,300 lbs. Clamping Force (with 2-1/2" lg. arm) at 5,000 PSI

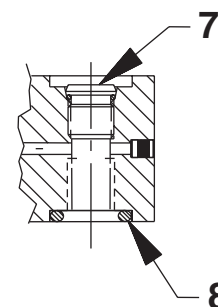
<u>110089</u> - Left Hand	<u>110095</u> - Left Hand
<u>110090</u> - Right Hand	<u>110096</u> - Right Hand
<u>110091</u> - Straight Pull	<u>110097</u> - Straight Pull

The piston rod U-cup seal (Item 16) can be easily twisted if installed incorrectly.

Before installing the piston rod (Item 2) lubricate the rod and all seals with hydraulic oil. Install the rod with light pressure and a twisting motion as the seal is first contacted.



**Port Configuration for
110089, 110090 &
110091**



Note: Graphics changed at last revision(s) made to this form.

Sheet No. 1 of 1

Rev. 1 Date: 29 Mar. 2000

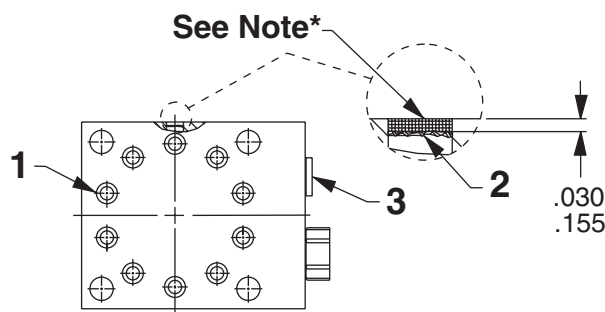
Item No.	Part No.	No. Req'd	Description	
1	251630	1	Screw, Button HD (5/8-11 x 1)	
2	351057	1	Piston (1/2" Stroke)	
3	*251627	1	Washer, Backup (1.68 x 1.31)	
4	*251629	1	Washer, Special (1.70 x 1.32; NOTE: Assemble washer with larger radii towards teflon washer (Item No. 3); Must be grease and oil free.)	
5	*251623	1	U-cup (1.75 x 1.50 x .13 L)	
6	*251625	1	Washer, Backup (1.75 x 1.50)	
7	253089	2	Fitting, Plug (5/16-24; for 110089, 110090 & 110091)	
8	*10269	2	O-ring (.56 x .37 Nitrile; for 110089, 110090 & 110091)	
9	250961	1	Fitting, Plug (7/16-20 Plastic; for 110095, 110096 & 110097)	
10	*10264	1	O-ring (.25 x .12 Nitrile; for 110089, 110090 & 110091)	
11	351045	1	Cam, Left Hand (Left Hand† 90° for 110089 & 110095)	NOTE: Flat of cam (clamp stroke area) to be opposite of body ports. Grease roller in piston rod (Item #2) and cam with a light coating of CDM Extreme Pressure Lube #3.
	350985	1	Cam, Right Hand (Right Hand† 90° for 110090 & 110096)	
	351046	1	Cam, Straight (Straight Pull for 110091 & 110097)	
12	59102	1	Base, Swing Clamp (For 110095, 110096 & 110097)	
	351819	1	Base, Swing Clamp (For 110089, 110090 & 110091)	
13	253509	1	Pin, Roll (.25 x 1.13)	
14	65819	1	Body, Swing Clamp Lower Flange	
15	251621	1	Spring (1.7 OD x 5.25 x .19 WS)	
16	*251624	1	U-cup (1.50 x 1.25 x .13 L)	
17	*251626	1	Washer, Backup (1.48 x 1.25)	
18	*251622	1	Wiper, Rod (1.53 x 1.25 URE)	

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300818.

† Right hand rotation is clockwise rotation when viewed from the piston rod end.

Left hand is counterclockwise rotation. To reverse clamp rotation, order the appropriate rotating cam.

BOTTOM VIEW



Item No.	Part No.	No. Req'd	Description
1	253682	10	Screw, Soc. Hd. (8-32 x 1"; Apply anti-seize and torque to 50/60 in. lbs.)
2	15907	2	Washer, Tooth Ext. (.25 x .12)
3	251738	1	Plug W/Filter (For 110095, 110096, & 110097)
	252455	1	Plug W/Filter (For 110089, 110090, & 110091)

***NOTE: Cover hole with "Ciba Geigy, Fastweld" or equivalent. Compound to be flush with surface.**

Note: Shaded areas reflect last revision(s) made to this form.

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine Hytec replacement parts!**

Additional questions can be directed to our Technical Services Department.