

Parts List for:

110144	110150
110145	110151
110146	110152

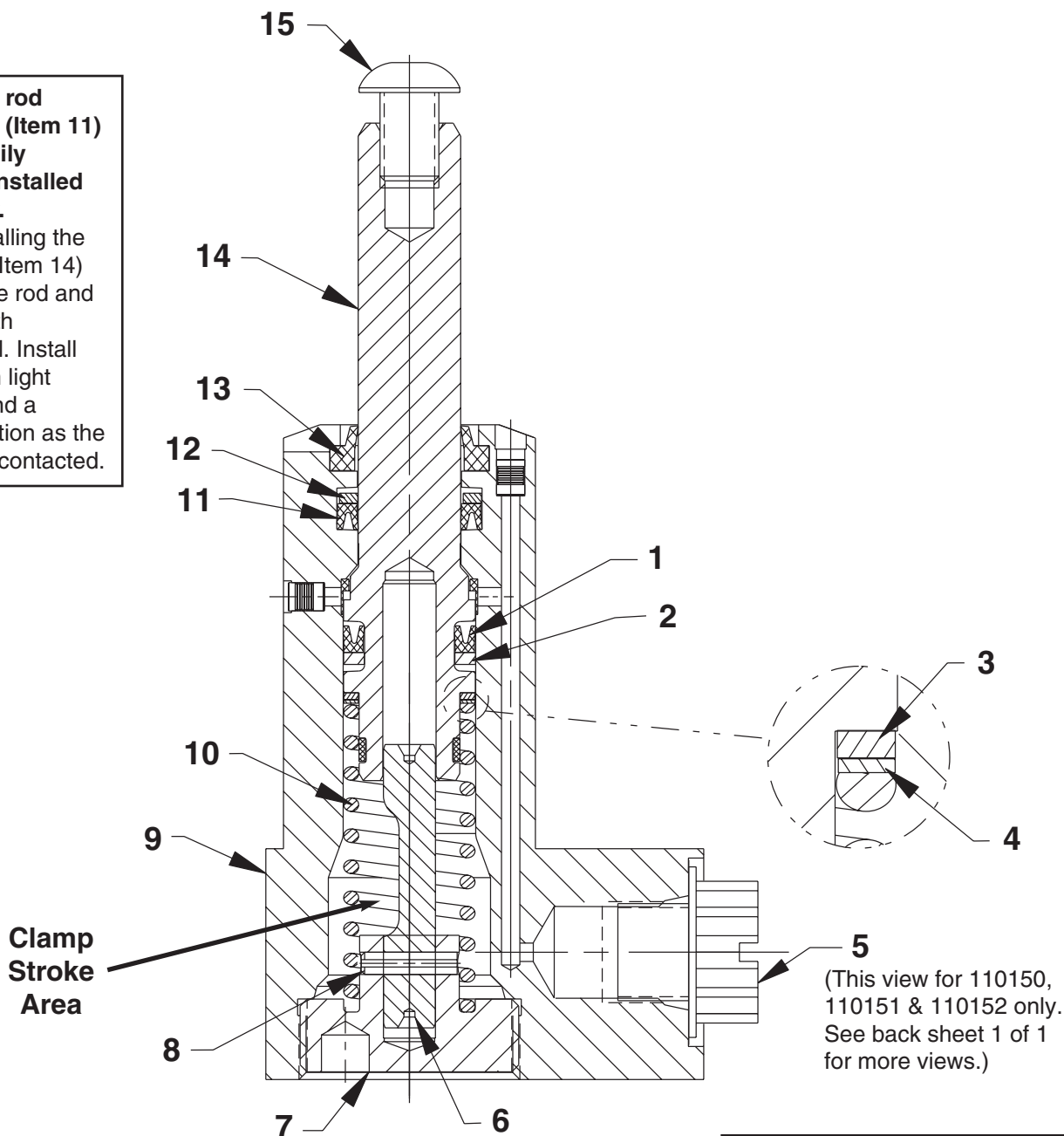
**SINGLE-ACTING (LOWER FLANGE)
SWING / PULL CLAMP**

Max. Capacity: 365 lbs. Clamping Force (with 1.06" lg. arm) at 5,000 PSI Max.

<u>110144</u> - Left Hand	<u>110150</u> - Left Hand
<u>110145</u> - Right Hand	<u>110151</u> - Right Hand
<u>110146</u> - Straight Pull	<u>110152</u> - Straight Pull

The piston rod U-cup seal (Item 11) can be easily twisted if installed incorrectly.

Before installing the piston rod (Item 14) 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.



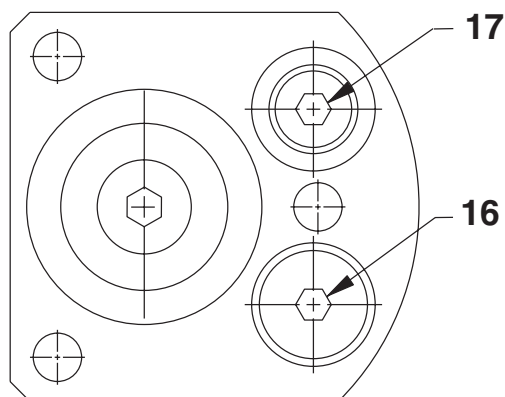
**Clamp
Stroke
Area**

(This view for 110150,
110151 & 110152 only.
See back sheet 1 of 1
for more views.)

Note: Revised the graphics at last revision(s) made to this form.

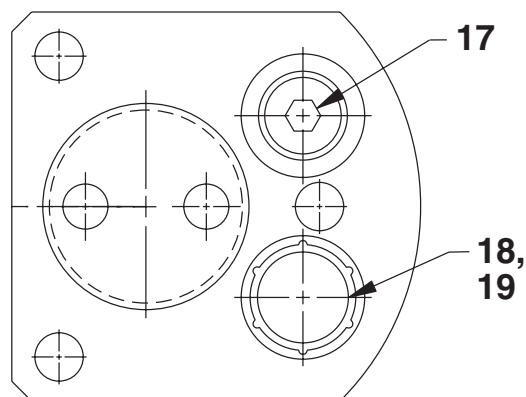
Sheet No. 1 of 1

Rev. 1 Date: 29 Mar. 2000



TOP VIEW

(THESE VIEWS FOR 110144, 110145 & 110146 ONLY)



BOTTOM VIEW

Item No.	Part No.	No. Req'd	Description
1	*252470	1	U-cup (.56 x .38 x .09 H)
2	*252478	1	Backup Washer (.56 x .38 x .04)
3	*252480	1	Backup Washer (.56 x .45 x .04)
4	*252509	1	Special Washer (.55 x .43; NOTE: Assemble this washer [with larger radii] towards teflon washer [Item #3]. Must be grease and oil free.)
5	250961	1	Plug Fitting (7/16-20; For 110150, 110151 & 110152)
6	351397	1	Cam, Left Hand (Left Hand† 90° for 110144 & 110150)
	351398	1	Cam, Right Hand (Right Hand† 90° for 110145 & 110151)
	351399	1	Cam, Straight (Straight Pull for 110146 & 110152)
7	351919	1	End Cap (Torque to 230/250 in. lbs.)
8	252454	1	Spring Pin (.10 x .41)
9	351983	1	Body (w/ plug; For 110144, 110145 & 110146)
	351984	1	Body (w/ plug; For 110150, 110151 & 110152)
10	252452	1	Spring (.54 OD x 1.94 x .06 WS)
11	*252473	1	U-cup (.62 x .43 x .09 H)
12	*252479	1	Backup Washer
13	*252453	1	Rod Wiper (.69 x .44 Urethane)
14	351400	1	Piston Rod
15	251910	1	Button Hd. Screw (1/4-20 x 3/8)
16	252455	1	Plug w/Filter (For 110144, 110145 & 110146)
17	253089	2	Plug Fitting (5/16-24; For 110144, 110145 & 110146)
18	252531	1	Plug Fitting (5/16-24 plastic; For 110144, 110145 & 110146)
19	15189	1	O-ring (.36 x .23 Nitrile)

NOTE: Grease roller in piston rod (Item #13) and cam with a light coating of CDM Extreme Pressure Lube #3.

Note: Shaded areas reflect last revision(s) made to this form. Also, revised the graphics on this page.

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300953.

† 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.

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.