

VersaCam™ Swing Clamp

Threaded Body

Single and Double Acting

- Available in four capacities from 450 to 5,000 lb.
- Special concentric design models available to replace competitive product.
- Standard swing is 90°; swing angles less than 90° require Swing Restrictors (Page C-32). Swings angles greater than 90° are special order products.
- Clocking feature (page C-32) uses standard length Vekttek arm.

SAE porting is all on the top of the cylinder body for easy access (call for bottom unclamp porting availability), no need to modify fixtures or reroute tubing to access cylinder end to unclamp.

Vent port with bronze filter gives the cylinder a place to “breathe” and helps keep chips from being drawn past wipers.

Hardened V-cam tracks resist damage and give you a built in extra cam or straight line option should you accidentally damage one. Specify left, right or straight cam, we will preset the swing when you order.



U.S. Patent Nos.
5,820,118
6,886,820

Model No. Add -L, -R or -S for Swing Direction	Cylinder Capacity (lb.)**	Vertical Clamping Stroke (in)***	Total Stroke (Swing + Vertical)	Body Thread	Standard Arm Length	Effective Piston Area (sq. in.) Retract	Oil Capacity (cu. in.)****	
							Extend	Retract
Single Acting (S/A)								
Cylinders, actuated hydraulically 1 direction, spring returned.								
15-0105-00	450	0.22	0.57	1 1/16-16	1.06	0.098	N/A	0.056
15-0109-08	1100	0.31	0.79	1 1/2-16	1.50	0.295	N/A	0.233
15-0113-11	2600	0.50	1.16	1 7/8-16	2.00	0.626	N/A	0.726
15-0113-12	2600	0.50	1.16	1 7/8-16	2.00	0.626	N/A	0.726
15-0118-00	5000	0.63	1.66	2 1/2-16	2.50	1.178	N/A	1.955
Double Acting (D/A)								
Cylinders, actuated hydraulically both directions.								
15-0205-00	450	0.22	0.57	1 1/16-16	1.06	0.098	0.142	0.056
15-0209-08	1100	0.31	0.79	1 1/2-16	1.50	0.295	0.475	0.233
15-0213-11	2600	0.50	1.16	1 7/8-16	2.00	0.626	1.423	0.726
15-0218-00	5000	0.63	1.66	2 1/2-16	2.50	1.178	3.992	1.955

WARNING! Never allow swing arm to contact workpiece or fixture during arm rotation.

** Cylinder capacities are listed at 5,000 psi maximum operating pressure, with a standard length VektorFlo® arm installed. Minimum operating pressure is 750 psi for single acting, 500 psi for double acting. The clamping force is adjustable by varying the hydraulic system pressure. To determine the approximate output force for your application divide the cylinder capacity shown above by 5,000, and multiply the resultant number by your system operating pressure to obtain the approximate clamping force for your application. (Actual force will vary slightly due to internal cantilever loading, friction loss and/or return springs.)

*** To allow for piece part height variations, it is recommended that the vertical travel be set to about 50% of the vertical stroke.

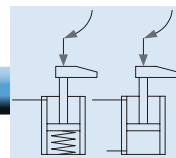
**** To ensure maximum service life and trouble-free operation, restrict fluid flow per table on page C-26.

Dimensions

Order arms separately.

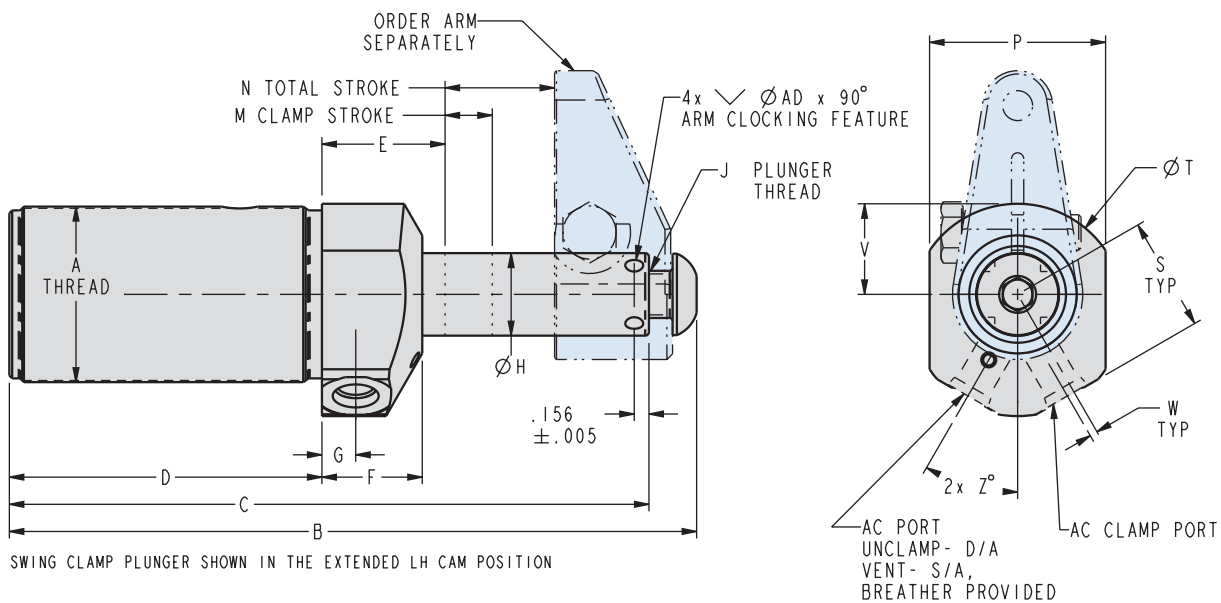
Model No. Left Swing	Model No. Right Swing	Model No. Straight Swing	A	B	C	D	E	F	G	H
Single Acting (S/A)										
15-0105-00-L	15-0105-00-R	15-0105-00-S	1 1/16-16	4.28	4.02	2.02	0.94	0.75	0.27	0.437
15-0109-08-L	15-0109-08-R	15-0109-08-S	1 1/2-16	5.68	5.32	2.54	1.27	1.09	0.38	0.625
15-0113-11-L	15-0113-11-R	15-0113-11-S	1 7/8-16	7.33	6.81	3.35	1.30	1.06	0.36	0.875
15-0118-00-L	15-0118-00-R	15-0118-00-S	2 1/2-16	9.96	9.31	4.71	1.52	1.19	0.39	1.250
Double Acting (D/A)										
15-0205-00-L	15-0205-00-R	15-0205-00-S	1 1/16-16	4.28	4.02	2.02	0.94	0.75	0.27	0.437
15-0209-08-L	15-0209-08-R	15-0209-08-S	1 1/2-16	5.68	5.32	2.54	1.27	1.09	0.38	0.625
15-0213-11-L	15-0213-11-R	15-0213-11-S	1 7/8-16	7.33	6.81	3.35	1.30	1.06	0.36	0.875
15-0218-00-L	15-0218-00-R	15-0218-00-S	2 1/2-16	9.96	9.31	4.71	1.52	1.19	0.39	1.250

VersaCam™ Swing Clamp

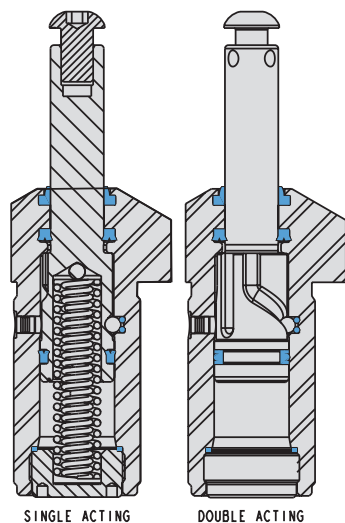


Threaded Body

C-28

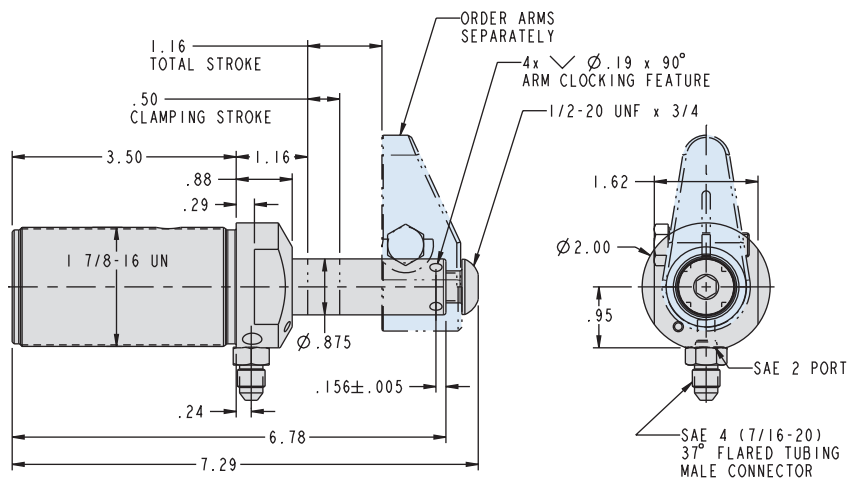


ILSI50101 REV M



ILSI50100 REV F

Swing Clamp plunger shown in the Extended Left Cam Position



SWING CLAMP PLUNGER SHOWN IN THE EXTENDED LH CAM POSITION

Model No. 15-0113-12-L
15-0113-12-R
15-0113-12-S

ILSI50102 REV K

All dimensions are in inches. For mounting hardware details, see section L.

J	M	N	P	S	T	V	W	Z	AC	AD
Cylinders, actuated hydraulically 1 direction, spring returned.										
1/4-28 x 0.375	0.22	0.57	1.13	0.81	1.50	0.56	N/A	25	SAE 2	0.13
3/8-24 x 0.625	0.31	0.79	1.50	1.03	1.88	0.77	0.09	35	SAE 4	0.19
1/2-20 x 0.750	0.50	1.16	1.88	1.20	2.25	0.96	0.08	30	SAE 4	0.19
5/8-18 x 1.00	0.63	1.66	2.50	1.42	2.75	1.28	0.05	30	SAE 4	0.19
Cylinders, actuated hydraulically both directions.										
1/4-28 x 0.375	0.22	0.57	1.13	0.81	1.50	0.56	N/A	25	SAE 2	0.13
3/8-24 x 0.625	0.31	0.79	1.50	1.03	1.88	0.77	0.09	35	SAE 4	0.19
1/2-20 x 0.750	0.50	1.16	1.88	1.20	2.25	0.96	0.08	30	SAE 4	0.19
5/8-18 x 1.00	0.63	1.66	2.50	1.42	2.75	1.28	0.05	30	SAE 4	0.19