

VersaCam™ Swing Clamp

Top Flange

Single And Double Acting

- Easy to use, just bolt in place and plumb or use the easy to make manifold pattern to eliminate external plumbing.
- Available in four capacities from 450 to 5,000 lb.
- Can be either manifold mounted or standard plumbed using standard SAE fittings.
- Single piece body and mounting give a rigid installation, no threads to rock around or additional mounting hardware to buy.
- Manifold fitting Model No. 30-8711-20, adapter assembly and plugs are included and shipped with the clamp (drawing on page H-5).
- Clocking feature (page C-32) uses standard length Vekttek arm.



Hardened V-cam tracks resist damage and give you a built-in extra cam (opposite swing direction) or straight-line option should you accidentally damage one.

Specify right, left or straight cam, we will preset the swing when you order.

Low installed clamping height can be fine tuned to fit your part with easy to make spacers (page L-2).

Model No. Add -L, -R or -S to indicate desired Swing Direction	Cylinder Capacity (lb.)**	Vertical Clamp Stroke (in)***	Total Stroke (Swing + Vertical)	Standard Arm Length	Body Dia.	Effective Piston Area (sq. in.)		Oil Capacity (cu. in.)****		Optional Flow Control Model No. *****
						Retract	Extend	Retract	Extend	
Single Acting (S/A)										
						Cylinders, actuated hydraulically 1 direction, spring returned.				
15-0505-00	450	.22	.57	1.06	.99	.098	N/A	.056		70-2037-70
15-0509-08	1100	.31	.79	1.50	1.43	.295	N/A	.233		70-2037-71
15-0513-11	2600	.50	1.16	2.00	1.74	.626	N/A	.726		70-2037-71
15-0518-00	5000	.63	1.66	2.50	2.38	1.178	N/A	1.955		70-2037-72
Double Acting (D/A)										
						Cylinders, actuated hydraulically both directions.				
15-0605-00	450	.22	.57	1.06	0.99	.098	0.142	.056		70-2037-70
15-0609-08	1100	.31	.79	1.50	1.43	.295	0.475	.233		70-2037-71
15-0613-11	2600	.50	1.16	2.00	1.74	.626	1.423	.726		70-2037-71
15-0618-00	5000	.63	1.66	2.50	2.38	1.178	3.992	1.955		70-2037-72

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.

***** In-port flow control requires the use of manifold mount ports.

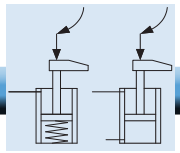
Optional in-port flow control is a meter-in device with reverse free flow check valve.



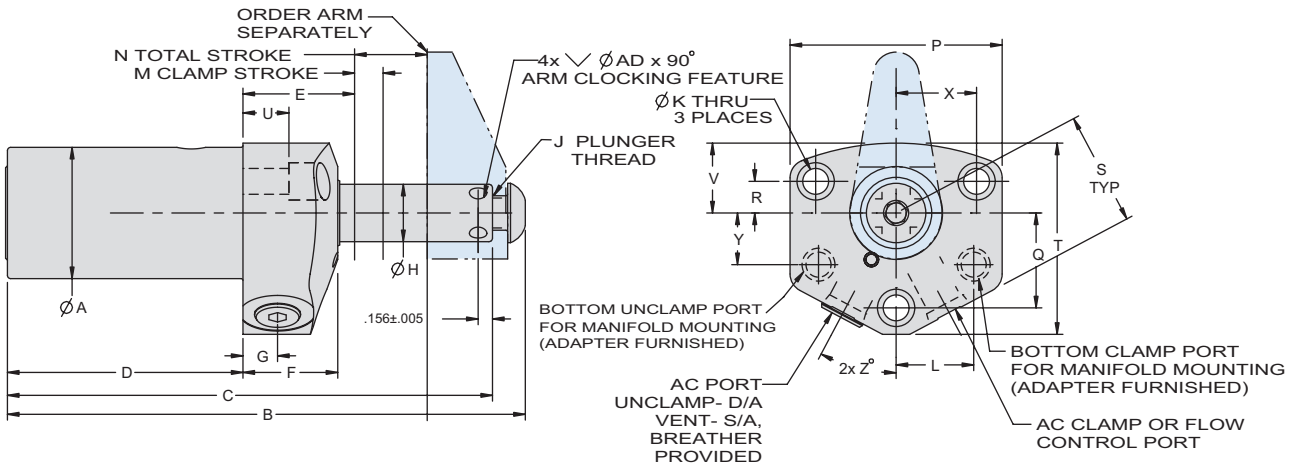
Dimensions

Model No. Left Swing	Model No. Right Swing	Model No. Straight Swing	A	B	C	D	E	F	G	H	J	K
Single Acting (S/A)												
15-0505-00-L	15-0505-00-R	15-0505-00-S	.99	4.28	4.02	2.02	.94	.75	.31	.437	1/4-28 x .38	.22
15-0509-08-L	15-0509-08-R	15-0509-08-S	1.43	5.68	5.32	2.60	1.21	1.03	.38	.625	3/8-24 x .62	.28
15-0513-11-L	15-0513-11-R	15-0513-11-S	1.74	7.34	6.82	3.35	1.30	1.06	.41	.875	1/2-20 x .75	.34
15-0518-00-L	15-0518-00-R	15-0518-00-S	2.37	9.96	9.31	4.43	1.80	1.47	.54	1.250	5/8-18 x 1.0	.41
Double Acting (D/A)												
15-0605-00-L	15-0605-00-R	15-0605-00-S	.99	4.28	4.02	2.02	.94	.75	.31	.437	1/4-28 x .38	.22
15-0609-08-L	15-0609-08-R	15-0609-08-S	1.43	5.68	5.32	2.60	1.21	1.03	.38	.625	3/8-24 x .62	.28
15-0613-11-L	15-0613-11-R	15-0613-11-S	1.74	7.34	6.82	3.35	1.30	1.06	.41	.875	1/2-20 x .75	.34
15-0618-00-L	15-0618-00-R	15-0618-00-S	2.37	9.96	9.31	4.43	1.80	1.47	.54	1.250	5/8-18 x 1.0	.41

VersaCam™ Swing Clamp



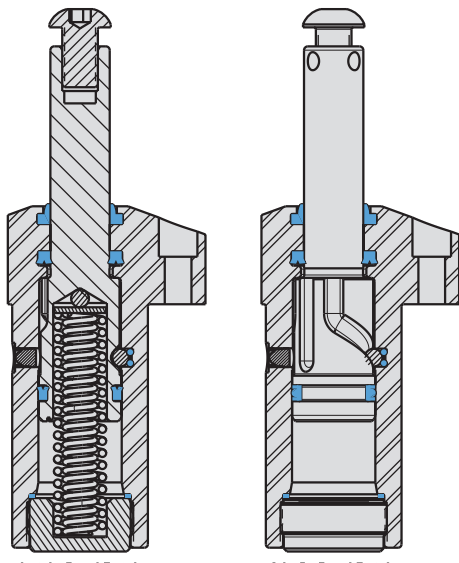
Top Flange



SWING CLAMP PLUNGER SHOWN IN THE EXTENDED LH CAM POSITION

ILS150501 REV U

C-34

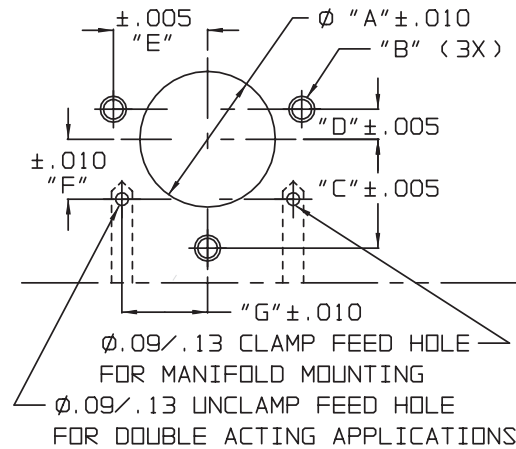


SINGLE ACTING

DOUBLE ACTING

ILS150500 REV K

Swing Clamp plunger shown in the Extended Left Cam Position



ILS150502 REV E

Mounting Dimensions

Model No.	A	B	C	D	E	F	G
15-0X05-00-X	1.015	10-32	0.795	0.219	0.687	0.438	0.625
15-0X09-08-X	1.453	1/4-20	1.032	0.344	0.875	0.562	0.844
15-0X13-11-X	1.765	5/16-18	1.250	0.438	1.000	0.531	1.047
15-0X18-00-X	2.390	3/8-16	1.719	0.601	1.367	0.750	1.406

For proper sealing, mating surface must be flat within 0.003 in with a maximum 63 μ in. R_a surface finish.

Order arms separately.

	L	M	N	P	Q	R	S	T	U	V	X	Y	Z	AC	AD
Cylinders, actuated hydraulically 1 direction, spring returned.															
	.63	.22	.57	1.88	.80	.22	.96	1.58	.31	.56	.69	.44	28	SAE 2	.13
	.84	.31	.79	2.31	1.03	.34	1.24	2.08	.28	.76	.88	.56	28	SAE 4	.19
	1.05	.50	1.16	2.69	1.25	.44	1.53	2.53	.41	.90	1.00	.53	28	SAE 4	.19
	1.41	.63	1.66	3.61	1.72	.60	2.05	3.34	.75	1.21	1.37	.75	28	SAE 4	.19
Cylinders, actuated hydraulically both directions.															
	.63	.22	.57	1.88	.80	.22	.96	1.58	.31	.56	.69	.44	28	SAE 2	.13
	.84	.31	.79	2.31	1.03	.34	1.24	2.08	.28	.76	.88	.56	28	SAE 4	.19
	1.05	.50	1.16	2.69	1.25	.44	1.53	2.53	.41	.90	1.00	.53	28	SAE 4	.19
	1.41	.63	1.66	3.61	1.72	.60	2.05	3.34	.75	1.21	1.37	.75	28	SAE 4	.19