

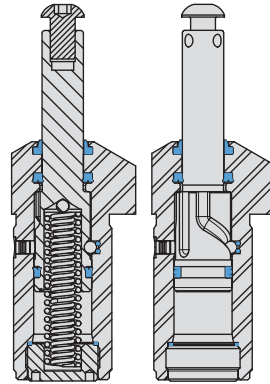
VersaCam™ Swing Clamp

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 Vektek arm.

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



SINGLE ACTING DOUBLE ACTING
SWING CLAMP PLUNGER SHOWN
IN THE EXTENDED LH CAM POSITION
ILS150100 REV G



VersaCam™
Swing Clamps

U.S. Patent No.
5,820,118
6,886,820

Model No.	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-L	450	.22	0.57	1 1/16-16	1.06	.098	N/A	.056
15-0105-00-R		.22						
15-0105-00-S		.57						
15-0109-08-L	1100	.31	0.79	1 1/2-16	1.50	.295	N/A	.233
15-0109-08-R		.31						
15-0109-08-S		.79						
15-0113-11-L	2600	.50	1.16	1 7/8-16	2.00	.626	N/A	.726
15-0113-11-R		.50						
15-0113-11-S		1.16						
15-0113-12-L	2600	.50	1.16	1 7/8-16	2.00	.626	N/A	.726
15-0113-12-R		.50						
15-0113-12-S		1.16						
15-0118-00-L	5000	.63	1.66	2 1/2-16	2.50	1.178	N/A	1.955
15-0118-00-R		.63						
15-0118-00-S		1.66						
Double Acting (D/A)								
Cylinders, actuated hydraulically both directions.								
15-0205-00-L	450	.22	.57	1 1/16-16	1.06	.098	.142	.056
15-0205-00-R		.22						
15-0205-00-S		.57						
15-0209-08-L	1100	.31	.79	1 1/2-16	1.50	.295	.475	.233
15-0209-08-R		.31						
15-0209-08-S		.79						
15-0213-11-L	2600	.50	1.16	1 7/8-16	2.00	.626	1.423	.726
15-0213-11-R		.50						
15-0213-11-S		1.16						
15-0218-00-L	5000	.63	1.66	2 1/2-16	2.50	1.178	3.992	1.955
15-0218-00-R		.63						
15-0218-00-S		1.66						

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.)

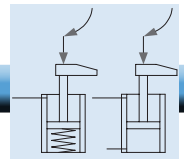
*** To allow for piece part height variations, it is recommended that the vertical travel be set to about 50% of the vertical stroke.

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

Order arms separately.

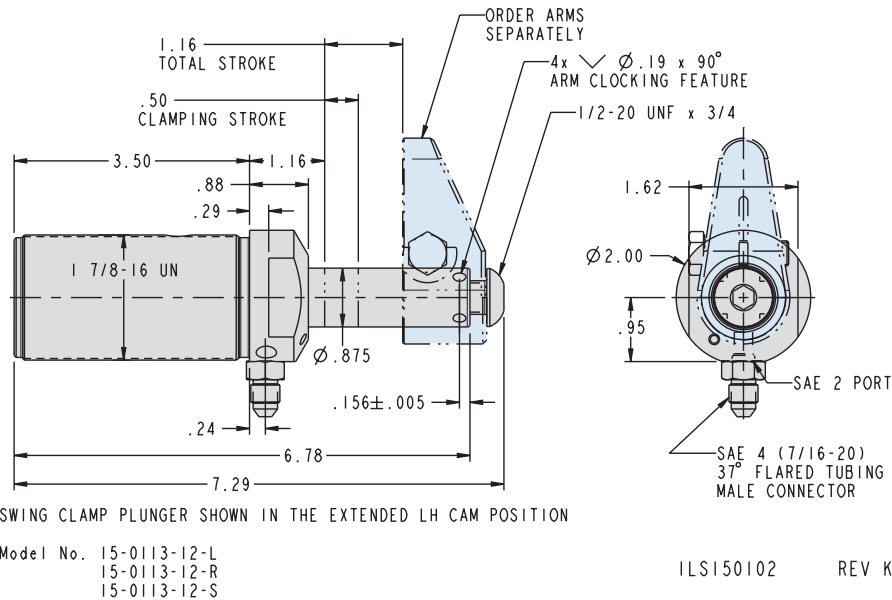
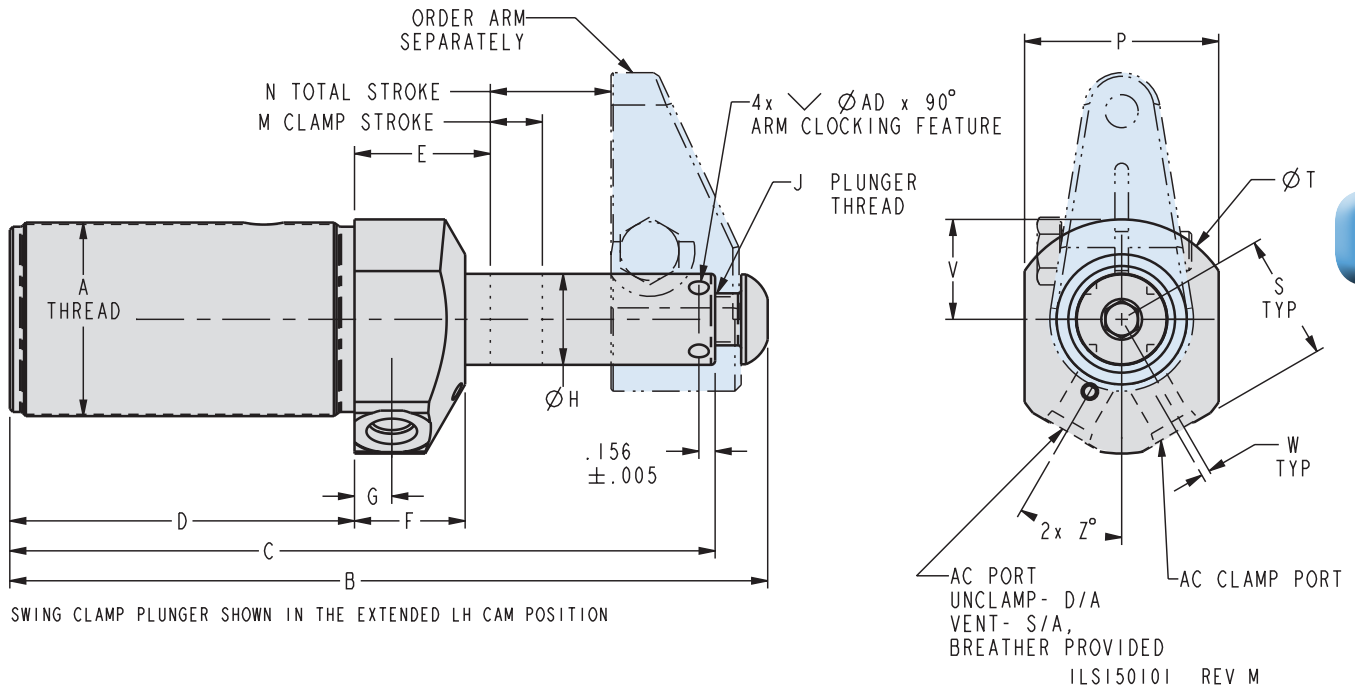
Model No. Left Swing	Model No. Right Swing	Model No. Straight Swing	A	B	C	D	E	F	G	H	
Single Acting (S/A)											
15-0105-00-L	15-0105-00-R	15-0105-00-S	1 1/16-16	4.28	4.02	2.02	0.94	0.75	0.27	0.437	
15-0109-08-L	15-0109-08-R	15-0109-08-S	1 1/2-16	5.68	5.32	2.54	1.27	1.09	0.38	0.625	
15-0113-11-L	15-0113-11-R	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



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