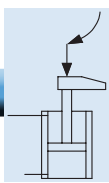


VersaCam™ Swing Clamp



Threaded Body, Long Stroke

Double Acting

- Available in 1,100 and 2,600 capacity.
- Can be pressure limited to yield force matching smaller models, yet retains full straight line clamping stroke.
- Clocking feature (page C-32) uses standard length Vektek arm.

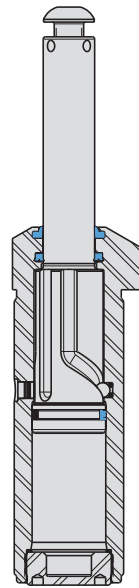
C-29

Threaded plunger end with cap screw provides secure attachment of standard or custom built arms.

SAE porting is all on the top of the cylinder body for easy access, no need to modify fixtures to access cylinder end to unclamp.

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.

BHC™ (Black Hard Coating) on the cylinder body helps prevent leaks caused by scoring and scratching, especially in the event of high side or “kick” loads which promote excessive scoring in many other brands.



ILSI50200 REV J
Swing Clamp plunger shown in the Extended Left Cam Position



Model No.*	Swing Direction	Cylinder Capacity (lb.)**	Vertical Clamping Stroke (in)***	Total Stroke (Swing + Vertical)	Body Thread	Standard Arm Length**	Effective Piston Area (sq. in.)		Oil Capacity (cu. in.)****	
							Retract	Extend	Retract	Extend
Double Acting (D/A)										
Cylinders, actuated hydraulically both directions.										
15-0209-10-L	Left									
15-0209-10-R	Right	1100	0.75	1.21	1 1/2-16	1.50	0.295	0.73	0.36	
15-0209-10-S	Straight									
15-0209-12-L	Left*									
15-0209-12-R	Right *	1100	0.75	1.21	1 1/2-16	1.50	0.295	0.73	0.36	
15-0209-12-S	Straight*									
15-0213-20-L	Left									
15-0213-20-R	Right	2600	1.35	2.00	1 7/8-16	2.00	0.626	2.45	1.25	
15-0213-20-S	Straight									
15-0213-22-L	Left*									
15-0213-22-R	Right *	2600	1.35	2.00	1 7/8-16	2.00	0.626	2.45	1.25	
15-0213-22-S	Straight*									

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

- * Includes optional unclamp porting through the bottom of the Swing Clamp
- ** 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

Model No. Left Swing	Model No. Right Swing	Model No. Straight Swing	A	B	C	D	E	F	G	H
Double Acting (D/A)										
15-0209-10-L	15-0209-10-R	15-0209-10-S	1 1/2-16	6.94	6.58	3.38	1.28	1.09	0.38	0.62
15-0213-20-L	15-0213-20-R	15-0213-20-S	1 7/8-16	9.80	9.28	4.98	1.30	1.06	0.36	0.87

* For bottom unclamp porting, order either 15-0209-12 or 15-0213-22 (R, L, S).

