

# VersaCam™ Swing Clamps

Threaded Body, Long Stroke Specifications

## Double Acting

- Available in 4.9 kN and 11.6 kN at 350 bar (35 MPa).
- Standard swing is 90°; swing angles less than 90° require Swing Restrictors (Page C-29). Swing angles greater than 90° are special order products.
- To avoid cylinder damage and preserve warranty, use recommended flow rate limits and time calculations on page C-2.
- Arm locking feature is compatible with all standard Vekttek arms. Locking drawing is on page C-29.
- Arms sold separately — see Section O.

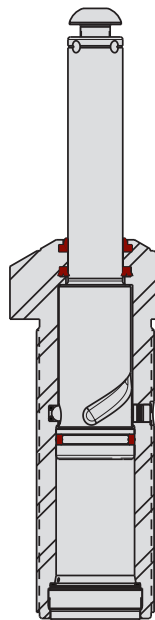
Threaded plunger end with cap screw provides secure attachment of standard or custom built arms.

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

Exclusive BHC™ (Black Hard Coating) on the cylinder bodies and rod bearing surface helps prevent leaks caused by scoring and scratching. This is especially true in the event of high side or "kick loads" which promote excessive scoring in many other brands.



U.S. Patent Nos.  
5,820,118  
6,886,820 B1



SWING CLAMP PLUNGER SHOWN IN THE EXTENDED LH CAM POSITION

ILMVI50202 REV H



## Specifications

Model No.	Swing Direction	Cylinder Capacity* (kN)	Vertical Clamping Stroke** (mm)	Total Stroke (Swing + Vertical) (mm)	Body Thread	Effective Piston Area (cm <sup>2</sup> )		Oil Capacity*** (cm <sup>3</sup> )	
						Retract	Extend	Retract	Extend
<b>Double Acting (D/A) Cylinders, actuated hydraulically both directions.</b>									
41-5005-23	Right	4.9	19	31	M38 x 1.5	1.90	11.9	5.9	
41-5005-24	Left								
41-5005-26	Straight								
41-5011-23	Right	11.6	34	51	M48 x 1.5	4.04	40	20.5	
41-5011-24	Left								
41-5011-26	Straight								

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

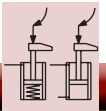
\* Cylinder capacities are listed at 350 bar (356 MPa) maximum operating pressure, with a standard length VektorFlo® arm installed. Minimum operating pressure is 52 bar (5.2 MPa) for single acting, 35 bar (3.5 MPa) for double acting. The clamping force is adjustable by varying the hydraulic system pressure. To determine the approximate output force for your application, divide the cylinder capacity shown above by 350 (35), 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 workpiece 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-20.

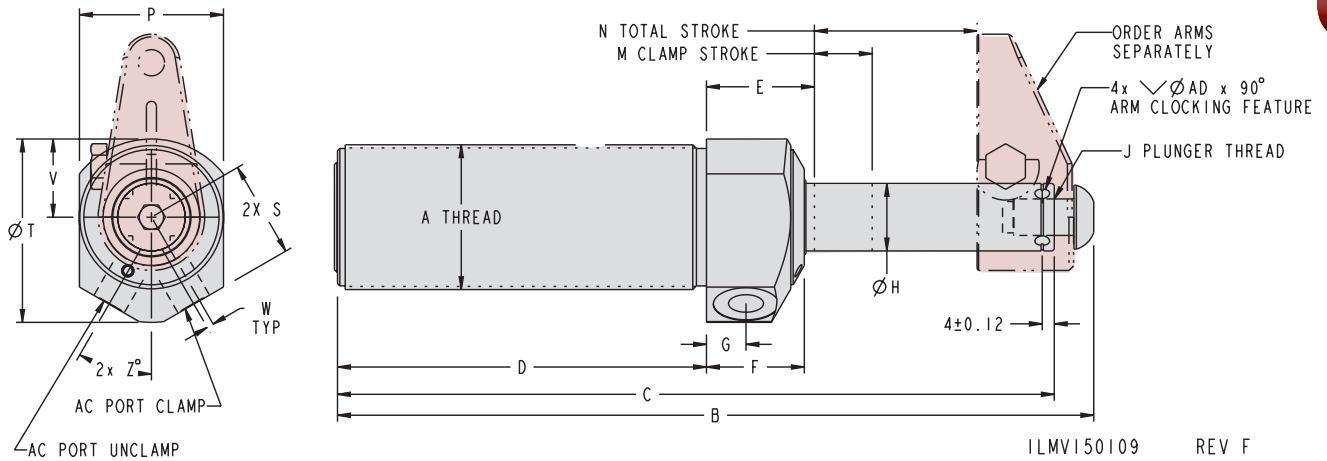


# VersaCam™ Swing Clamps



Threaded Body, Long Stroke Dimensions

**C-24**



ILMVI50109 REV F

Swing Clamp Plunger shown in the Extended LH Cam Position.

Dimensions																			
Model No.	A	B	C	D	E	F	G	H	J	M	N	P	S	T	V	W	Z	AC	AD
Double Acting (D/A) Cylinders, actuated hydraulically both directions.																			
41-5005-23																			
41-5005-24	M38 x 1.5	176.5	167	82.5	35.5	31	13	15.88	M10 x 1.5 x 12	19	31	38	26	47.5	19.5	2.41	35	G 1/8	4.8
41-5005-26																			
41-5011-23																			
41-5011-24	M48 x 1.5	249	235.5	121.5	38	32	13	22.23	M12 x 1.75 x 13	34	51	47.5	31.5	60	25.5	2.22	30	G 1/4	4.8
41-5011-26																			

NOTE: Follow arm length limitations on page O-3

All dimensions are in mm.

Order Arms Separately.