

## 6000-SW Series

### Manual Swing Clamp

Destaco's new 6000-SW series manual swing clamps combines two existing clamping technologies, offering the function of a pneumatic swing clamp and the manual operation of the straight line action clamp.

The 6000-SW series patented design and function offers an average 15:1 (6004-SW) or 20:1 (6002-SW) mechanical advantage, providing higher clamping forces than pneumatic versions.

This design also allows customers to mount this clamp through a bulkhead or fixture. Once mounted, the handle can be repositioned radially 180° from its original position and the clamp arm can be adjusted 360° radially - offering customers greater flexibility in their workholding applications.

Like other swing clamps in Destaco's offering, the 6000-SW series clamp arms swing up and out of the way for easy part loading/unloading.



6002-SWL  
(Shown in open position)

6004-SWL/R  
(Shown in closed position)

Clamp arm and fastener included

Patented



HOLD-DOWN

#### PRODUCT HIGHLIGHTS/OPTIONS

- 2 sizes available
- Left (SWL) or right (SWR) swing motion available
- 90° Swing clamp arm motion
- Higher clamping force than pneumatic version
- Through-hole mounting

#### FEATURES & BENEFITS



SAFETY

- Ergonomic handle for greater operator comfort and control
- Handle can be radially positioned up to 180° for better ergonomics
- Clamp arm can be radially positioned 360° for flexibility



PERFORMANCE

- Cam-driven mechanism for smooth operation
- Clamp arm swings out of the way for easy part loading/unloading



STRENGTH

- Average 15:1 (6004-SW) or 20:1 (6002-SW) mechanical advantage provides higher clamping force than pneumatic versions



ASSEMBLY



WELDING



FIXTURE/TESTING



CNC MACHINING

APPLICATIONS



AUTOMOTIVE



INDUSTRIAL



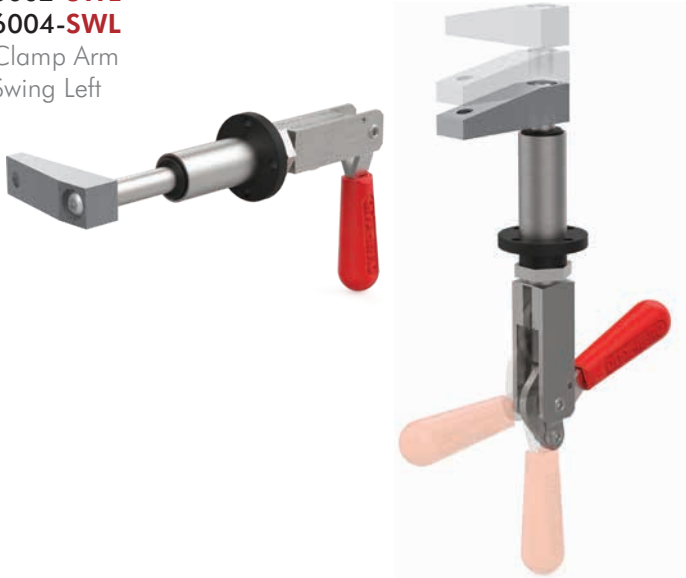
AEROSTRUCTURE

MARKETS

## 6000-SW SERIES MANUAL SWING CLAMP

**6002-SWL**  
**6004-SWL**

Clamp Arm  
 Swing Left



**6002-SWR**  
**6004-SWR**

Clamp Arm  
 Swing Right



### Technical Information

Model	Swing Direction	Max. Holding Capacity*	Total Stroke [in]mm	Stroke During Rotation [in] mm	Stroke Straight Pull [in] mm	Weight [lb] kg
6002-SWL	LH	[400 lbf]	[0.75]	[0.53]	[0.22]	[0.95]
6002-SWR	RH	1780 N	19,1	13,5	5,6	0,43
6004-SWL	LH	[600 lbf]	[1.50]	[0.87]	[0.63]	[1.32]
6004-SWR	RH	2670 N	38	22	16	0,6

\*Straight pull. Does not account for clamp arm.

Model	Applied Force (on handle)	[lbs]	[40]	[30]	[20]	[10]
6002-SWL/R	Plunger Pull Force (straight pull)	N	178	133	89	44
	Clamp Force (with arm shown)					
6004-SWL/R	Plunger Pull Force (straight pull)		[360]	[288]	[216]	[144]
	Clamp Force (with arm shown)		1601	1281	961	641
	Clamp Force (with arm shown)		[229]	[189]	[149]	[108]
			1019	841	663	480
	Plunger Pull Force (straight pull)		[576]	[432]	[288]	[144]
	Clamp Force (with arm shown)		2562	1922	1281	641
	Clamp Force (with arm shown)		[323]	[269]	[189]	[108]
			1437	1197	841	480

Higher clamping forces than pneumatic version

### Flexible Handle and Clamp Arm Positioning

Clamp arm can be positioned 360° radially

Clamp can be mounted at 90° Increments

Patented

**6004-SWR**  
 Shown in open position


Clamp handle can be positioned 180° radially


DIMENSIONS AND TECHNICAL INFORMATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

MC\_MSC-F\_0825\_US

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