

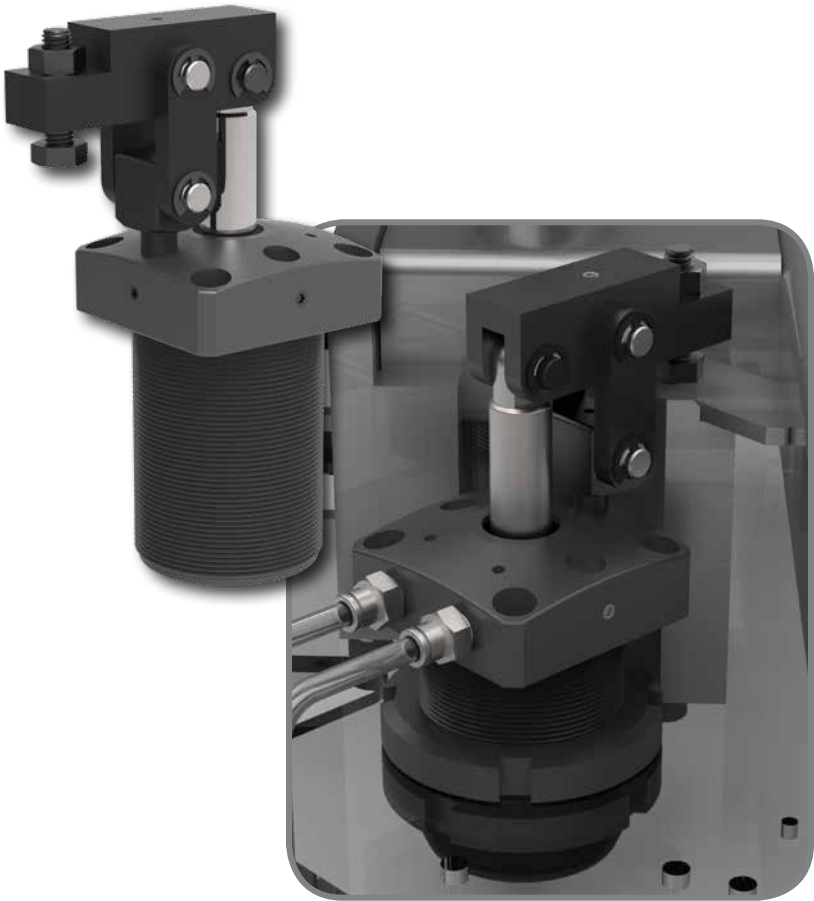
The Right Clamp for Tight Spaces

8700 Series Pneumatic Lever Clamps

DESTACO’s new 8700 series pneumatic lever clamp is a lightweight, space-saving alternative to traditional pneumatic toggle and swing clamps, giving fixture builders a reliable option for tight spaces.

While it delivers up to 25 percent more clamping force than comparably sized swing clamps, the 8700 series lever clamp does not lock like a toggle clamp. This means it can accommodate materials with differing thicknesses. The clamp’s lever design provides a consistent clamping force on materials that have up to 3.8 mm of variation, depending on clamp size.

The 8700 series lever clamp fills a gap in DESTACO’s previous line of industry-leading workholding products, offering versatility, a compact profile and a lightweight body.













Product Highlights/Options

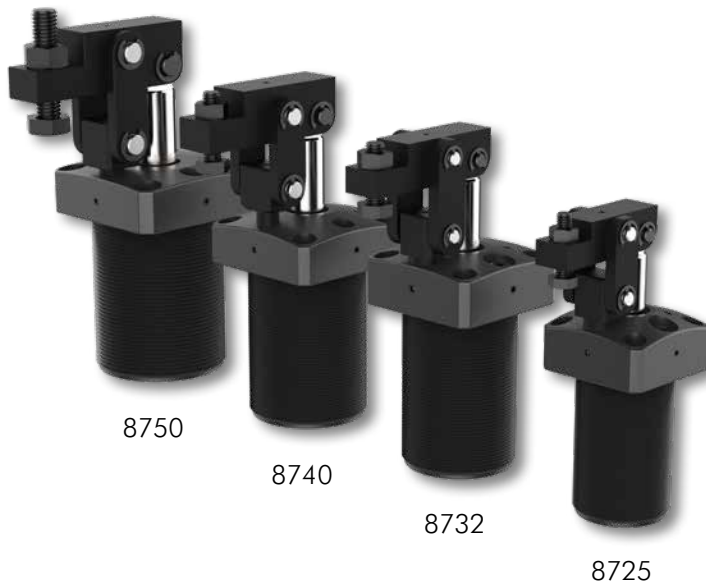
- Alloy steel pivot points with anti-rotate feature
- Self-lubricating bearings at pivot points
- Four bore sizes are available for virtually any application



Features, Markets and Applications

 INTERCHANGEABLE	<ul style="list-style-type: none">• Lever arm can be positioned left, forward, or right within the same clamp body• Convenient mounting using the upper flange or through a clearance hole using optional jam nuts	 INDUSTRIAL	 ASSEMBLY
 PERFORMANCE	<ul style="list-style-type: none">• Consistent clamping force over a range of part thickness• Up to 25% more clamping force than comparably sized swing clamps	 CONSUMER GOODS	 FIXTURE AND TEST
 COMPACT SIZE	<ul style="list-style-type: none">• Clamp arm arcs up and out of the way in a single plane• Clamp arm remains completely within the clamp’s footprint while in the open position	 TRANSPORTATION	 WELDING
			 CNC MACHINING

8700 Series Pneumatic Lever Clamps



Model	Ports
8725 25mm bore	Blank Standard ports
8732 32mm bore	G G-1/8 ports
8740 40mm bore	
8750 50mm bore	

Clamping Motion



The 8700 series pneumatic lever clamp features an arm that arcs up and out of the way on a single plane. Since the arm does not rotate to the side like a swing clamp, it remains completely within the clamp's footprint while in the open position. This helps to eliminate interference with adjacent components on crowded fixtures.

Adjustable Arm Positions



The 8700 series' lever arm can be positioned facing left, right or forward within the same clamp body for flexibility.

Upper Flange Mount



The 8700 series lever clamp also features standard mounting holes on the upper flange for traditional mounting.

Threaded Body Mount†



The threaded body provides users the option to thread the clamp through an opening in the fixture with optional mounting nuts for easy height adjustment.

†Shown with optional mount nuts

Dimensions and technical information are subject to change without notice.

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8700 SERIES

Pneumatic Lever Clamps | Product Overview

Features:

- Alternative solution to swing clamps when space is limited
- The clamping lever may be positioned left, forward, or right (relative to ports) within the same clamp body
- Threaded body with upper flange mount
- Non-toggle locking linkage
- Clamping arm and spindle included

Applications:

- Assembly & welding fixtures
- Light machining

Also Available:

See page MC-PSC-39 for jam nuts

8725



8732
8732G



8740
8740G



8750
8750G



Technical Information

Model	Vertical Clamping Stroke* [in.] mm	Clamping Force† [lbf.] N	Bore Size [in.] mm	Air Consumption‡ [in. ³] cm ³	Weight [lb.] kg	Seal Kit
8725	[0.10] 2,5	[43] 195	[0.98] 25	[0.004] 0,11	[1.3] 0,6	872500
8732	[0.12] 3,2	[64] 285	[1.26] 32	[0.008] 0,23	[2.2] 1	873200
8732G						
8740		[106] 470	[1.57] 40	[0.014] 0,41	[2.6] 1,2	874000
8740G						
8750	[0.15] 3,8	[167] 745	[1.97] 50	[0.023] 0,64	[4,4] 2	875000
8750G						

* Equal to approx. 6° above horizontal with standard clamping arm. † at 5bar [72psi].

‡ per double stroke at 5bar [72psi].

Operating Pressure Range:

3bar [45psig] to 7bar [100psig]

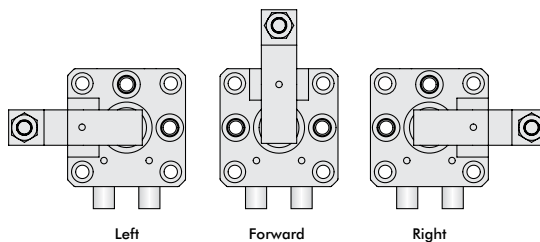
Max. Operating Temperature:

-10°C to 80°C [14°F to 175°F]

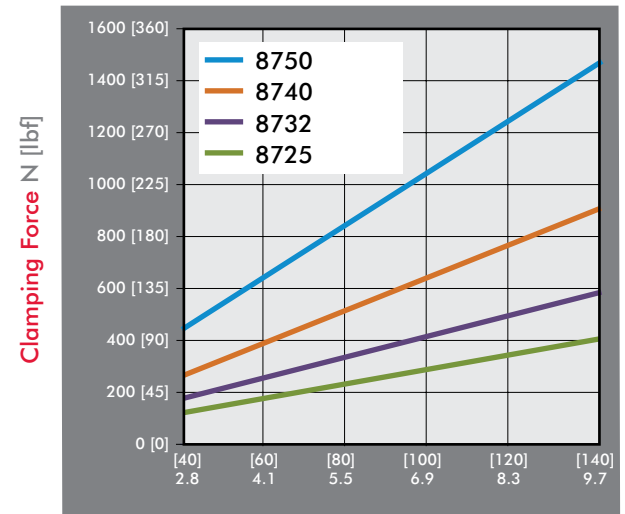
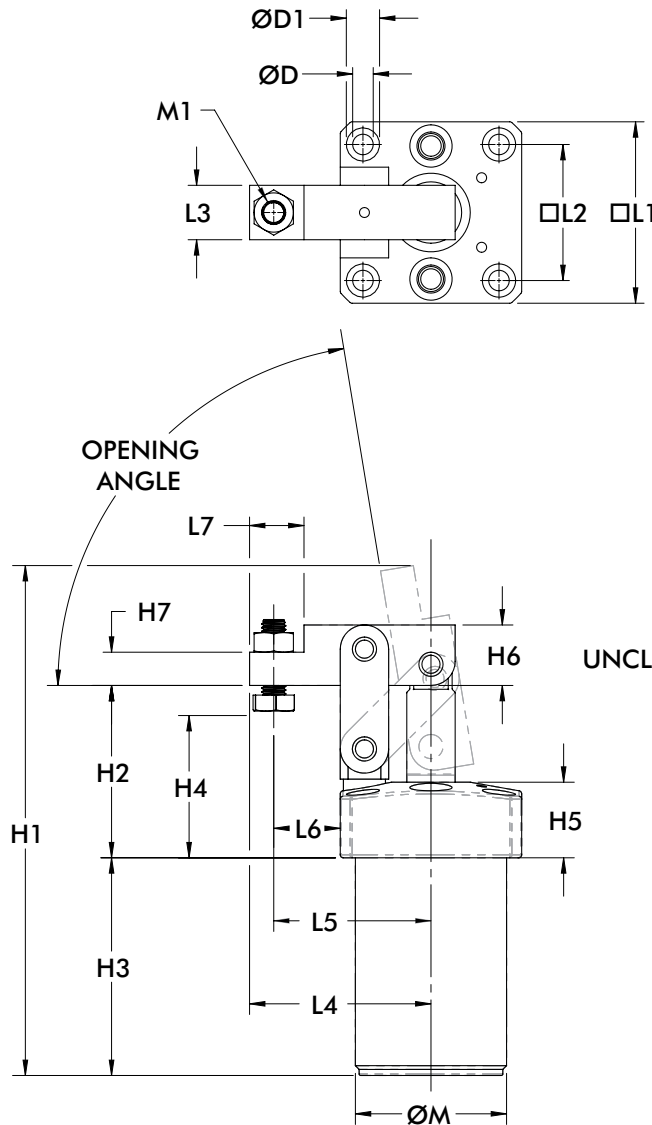
Application Note:

If using clamping arms other than standard, the length must not exceed 1.5X the overall length of the standard arm.

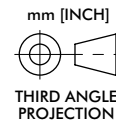
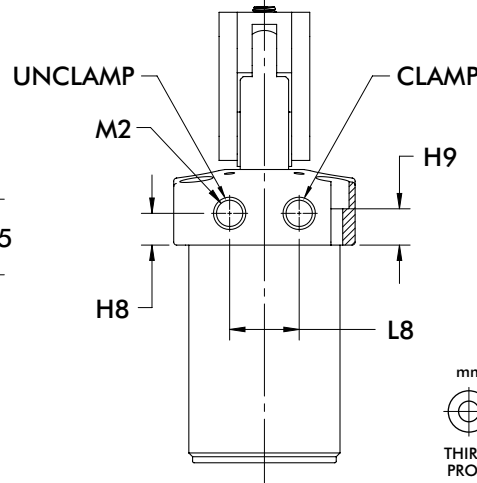
The inlet air flow rate should be adjusted to position the arm in no less than 1/2 second for standard arms and no less than 1 second in the case of an extended arm.



Levers can be positioned in one of three positions in relation to the air ports.



Inlet Pressure bar [PSI]



Model	Opening Angle	$\varnothing D$	$\varnothing D1$	H1	H2	H3	H4 (min/max)	H5	H6	H7	H8	H9
8725	80°	[0.22] 5,5	[0.35] 9	[5.67] 144	[1.97] 50	[2.42] 61,5	[0.59-0.98] 15-25	[0.98] 25	[0.67] 17	[0.39] 10	[0.47] 12	[0.59] 15
8732/ 8732G	81°	[0.27] 6,8	[0.43] 11	[6.65] 169	[2.25] 57	[2.83] 72	[0.63-1.18] 16-30		[0.79] 20	[0.43] 11	[0.41] 10,5	[0.51] 13
8740/ 8740G	82°			[6.93] 176	[2.40] 61	[2.85] 72,5	[0.75-1.14] 19-29		[0.98] 25	[0.55] 14		
8750/ 8750G	75°	[0.33] 8,5	[0.55] 14	[7.87] 200	[2.60] 66	[3.11] 79	[0.86-1.30] 22-33		[1.18] 30	[0.59] 15		[0.43] 11

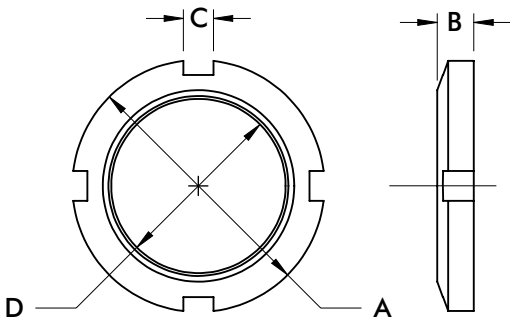
Model	L1	L2	L3	L4	L5	L6	L7	L8	$\varnothing M$	M1	M2
8725	[1.97] 50	[1.46] 37	[0.63] 16	[1.89] 48	[1.61] 41	[0.63] 16	[0.55] 14	[0.91] 23	M40 x 1.50	M6 x 1.0	M5 x 0.8
8732 8732G	[2.36] 60	[1.77] 45	[0.71] 18	[2.36] 60	[2.05] 52	[0.87] 22	[0.71] 18		M50 x 1.50	M8 x 1.25	[1/8NPT] G-1/8
8740 8740G	[2.65] 65	[1.97] 50	[0.79] 20	[2.60] 66	[2.20] 56	[0.93] 23,5	[0.79] 20	[1.02] 26	M55 x 1.50		[1/8NPT] G-1/8
8750 8750G	[2.95] 75	[2.28] 57	[0.87] 22	[3.05] 77,5	[2.50] 63,5	[1.02] 26	[1.10] 28	[1.26] 32	M65 x 1.50	M12 x 1.75	[1/8NPT] G-1/8

8700 SERIES

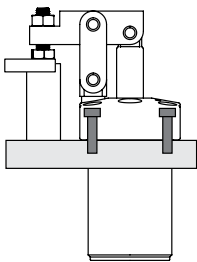
Pneumatic Lever Clamps | Jam Nuts

Features:

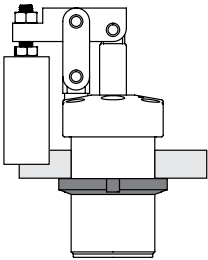
- For use with 8700 Series Pneumatic Lever Clamps
- Variable height adjustment
- For recessed mounting



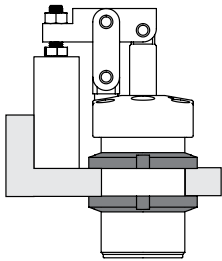
Mounting from above using 4 socket cap screws through the flange.



Mounting by screwing body into a tapped hole and locking with one jam nut.



Mounting by inserting body into a plain hole and locking with two jam nuts.



Part Number	Used with Model	A	B	C	D	Weight [lbs] kg
872550	8725	[2.28] 58	[0.35] 9	[0.28] 7	M40 x 1.50	[0.13] 0.06
873250	8732	[2.76] 70	[0.43] 11		M50 x 1.50	[0.35] 0.16
874050	8740	[2.95] 75	[0.31] 8	[0.31] 8	M55 x 1.50	[0.37] 0.17
875050	8750	[3.35] 85	[0.47] 12		M65 x 1.50	[0.33] 0.15