

9500 SERIES

Pneumatic Swing Clamps | Product Overview

Features:

- Ideal for tight spaces with an arm motion that rotates at the top of the stroke
- Includes a rod weld cover to protect the rod throughout the entire stroke
- Can be mounted on any face with optional side flange mounting kit
- Switch ready for Ø4mm or 6.5mm x 5mm sensors

Applications:

- Assembly
- Welding
- Light machining

Also Available:

See page MC-PSC-6 for mounting options

See page MC-PSC-7 for clamping arms

See page MC-PSC-40 for sensing options

Covered under one or more U.S./International Patents

9522-2



9530-2



9540-2



9550-2



Shown with optional clamping arm.

Technical Information

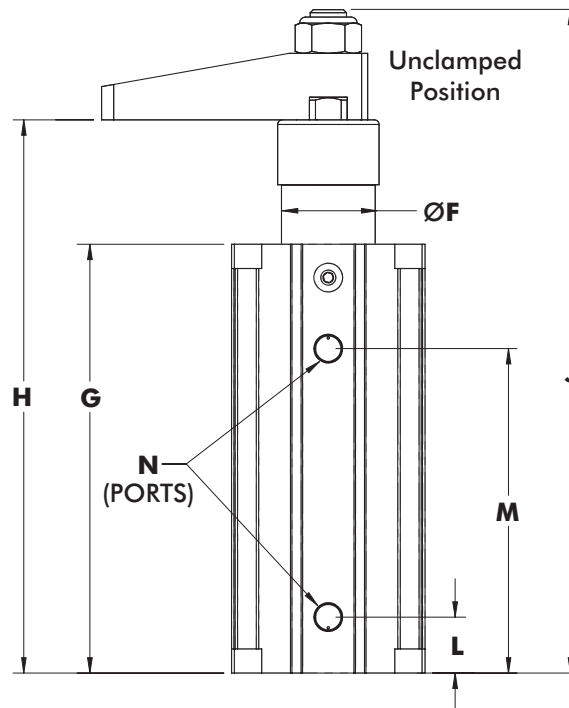
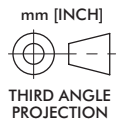
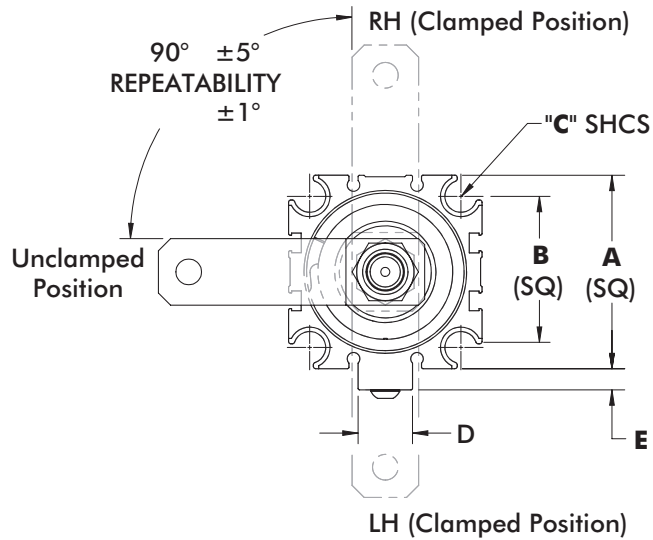
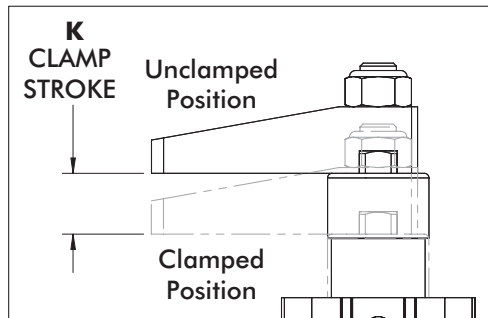
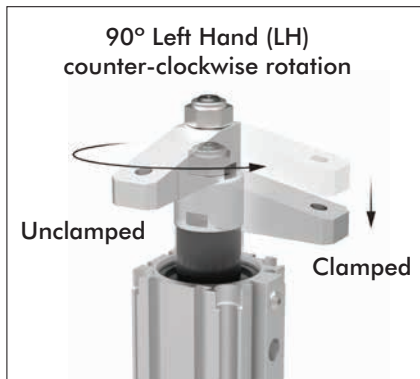
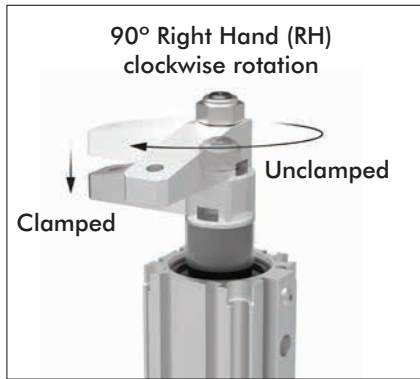
Model	Swing Direction	Total Stroke [in] mm	Vertical Clamping Stroke* [in] mm	Ports	Clamping Force @ [lbf] N†	Bore Size [in] mm	Air Consumption‡ dm³ [in³]	Weight [lb] kg	Replacement Seal Kit
9522-2L	LH	[0.50] 13	[0.50] 13	M5	[34] 150	[0.86] 22	[0.004] 0,10	[0.68] 0,31	952292
9522-2R	RH								
9530-2L	LH	[0.79] 20	[0.79] 20	1/8NPT	[76] 340	[1.26] 32	[0.010] 0,29	[1.25] 0,57	953092
9530-2GL				G-1/8					
9530-2R	1/8NPT								
9530-2GR	G-1/8								
9540-2L	LH			1/8NPT	[123] 550	[1.57] 40	[0.016] 0,46	[1.98] 0,90	954092
9540-2GL				G-1/8					
9540-2R	RH			1/8NPT					
9540-2GR				G-1/8					
9550-2L	LH			1/8NPT	[196] 870	[1.97] 50	[0.026] 0,74	[3.33] 1,51	955092
9550-2GL				G-1/8					
9550-2R	RH			1/8NPT					
9550-2GR				G-1/8					

*No stroke travel during clamp arm rotation.

† with standard clamping arm at 5 bar [72psi]. ‡ Per double stroke at 5 bar [72psi]

Operating Pressure Range: 3 bar [45 psig] to 8 bar [120 psig]

Maximum Operating Temperature: 60°C [140°F]



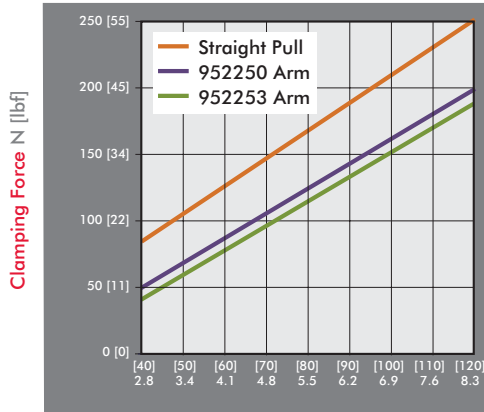
Shown with optional clamping arm.

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
9522-2	[1.42] 36	[1.00] 25,4	M5 (#10)	--	--	[0.82] 21	[3.77] 95,8	[4.79] 121,8	[5.72] 145,7	[0.50] 13	[0.43] 11	[2.90] 73,8	M5
9530-2	[1.81] 46	[1.34] 34	M6 (1/4")	[0.55] 14	[0.16] 4	[0.96] 24,4	[4.48] 113,7	[6.09] 154,8	[7.33] 186	[0.79] 20	[0.61] 15,5	[3.39] 86,2	1/8NPT
9530-2G													G-1/8
9540-2	[2.05] 52	[1.57] 40	M8 (5/16")	[0.71] 18	[0.20] 5	[1.13] 28,7	[4.63] 117,6	[6.29] 159,7	[7.52] 190,9	[0.79] 20	[0.65] 16,5	[3.43] 87,1	1/8NPT
9540-2G													G-1/8
9550-2	[2.52] 64	[1.97] 50	M8 (5/16")	[0.71] 18	[0.28] 7	[1.32] 33,5	[5.58] 141,8	[7.20] 182,9	[8.64] 219,3	[0.79] 20	[0.73] 18,5	[4.22] 107,3	1/8NPT
9550-2G													G-1/8

9500 SERIES

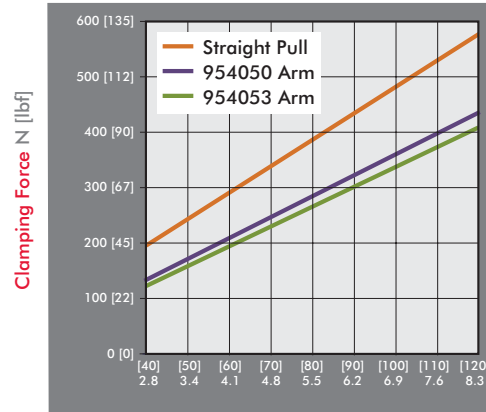
Pneumatic Swing Clamps | Clamping Forces

Series 9522-2 Clamping Force



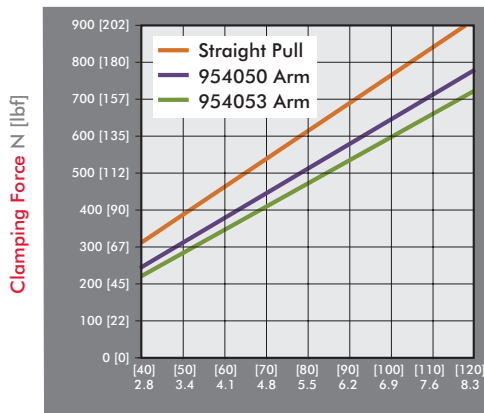
Inlet Pressure bar [PSI]

Series 9530-2 Clamping Force



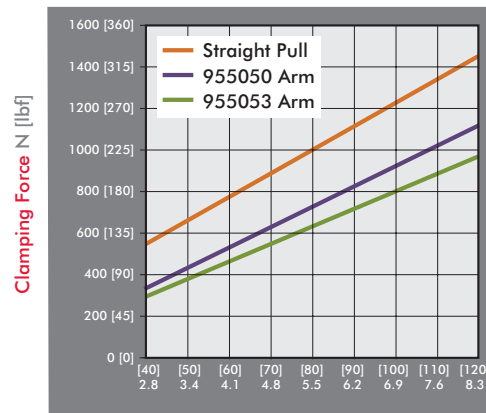
Inlet Pressure bar [PSI]

Series 9540-2 Clamping Force



Inlet Pressure bar [PSI]

Series 9550-2 Clamping Force



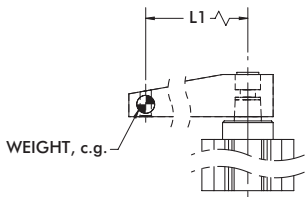
Inlet Pressure bar [PSI]

Guidelines

DESTACO Pneumatic Swing Clamps are designed for long life when using standard clamping arms and spindles. In the event that a longer arm or additional weight is needed, please consult these charts for the allowable weight and length.

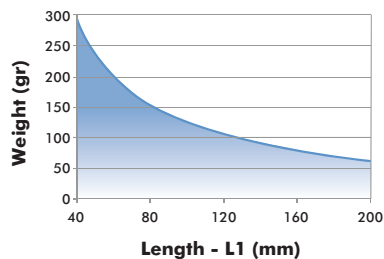
Example: 9522-2

At a weight of 80 gr, the maximum length of the arm is approximately 120mm.

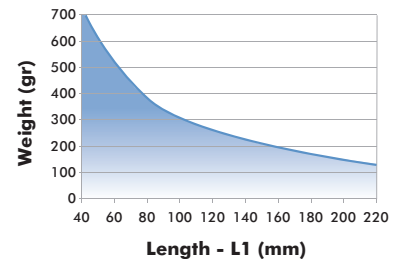


All data refers to an operating pressure of 5 bar [72psi] and an opening and closing time of 1 second.

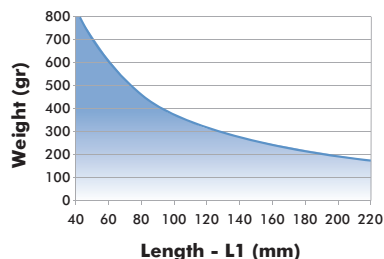
9522-2 Clamp Arm Weight



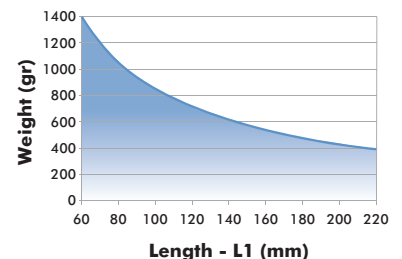
9530-2 Clamp Arm Weight



9540-2 Clamp Arm Weight

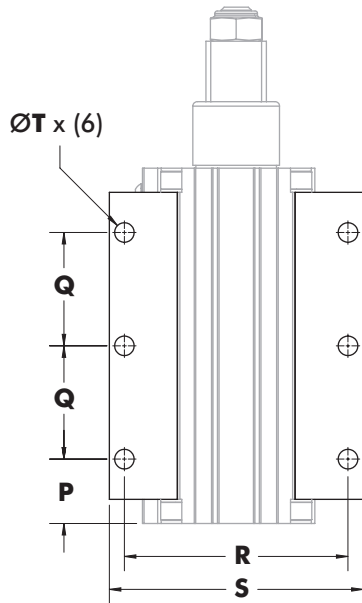
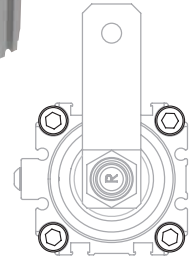
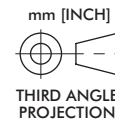
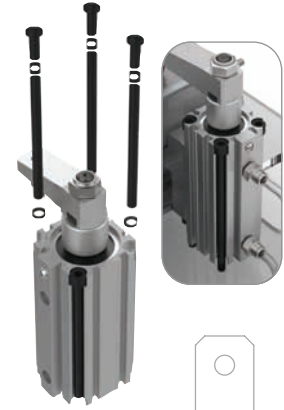
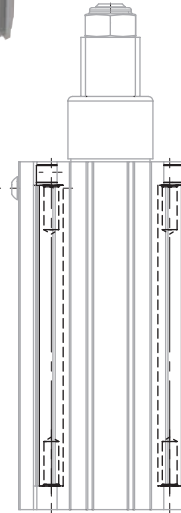
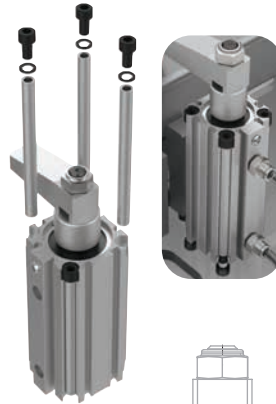
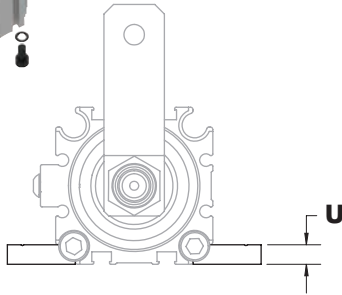
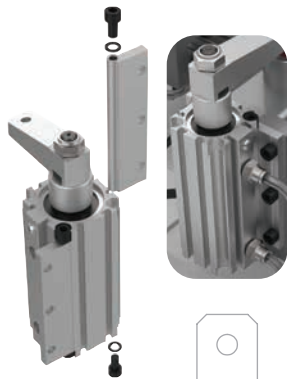


9550-2 Clamp Arm Weight

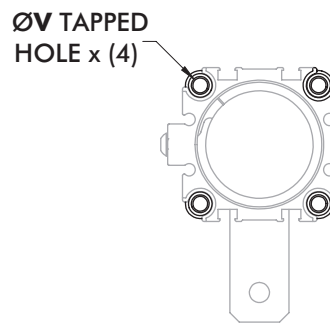


9500 SERIES

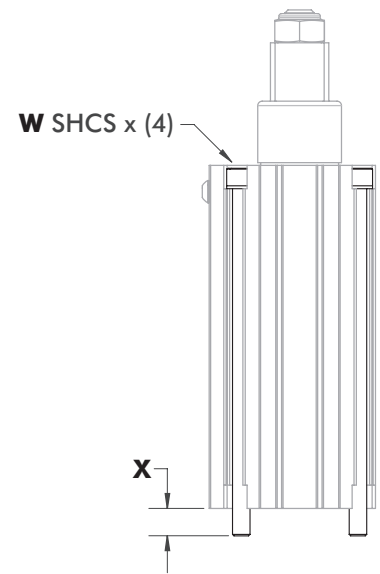
Pneumatic Swing Clamps | Mounting Accessories



Optional Side Flange Mounting



Optional Tapped Hole Mount



Optional Standard Mount

Model	P	Q	R	S	T	U	V	W	X	Side Flange Kit	Tapped Hole Kit	Standard Mount Kit
9522-2	[0.41] 10,4		[1.91] 48,5	[2.26] 57,5	[0.22] 5,5	[0.22] 5,5	M5	M5x100	[0.36] 9,2	952260	952261	952262
9530-2	[0.76] 19,4	[1.48] 37,5	[2.68] 68	[3.07] 78					[0.52] 13,3	953060	953061	
9530-2G					[0.26] 6,5	[0.26] 6,5	M6	M6x120				953062
9540-2	[0.84] 21,3		[2.91] 74	[3.31] 84					[0.37] 9,4	954060	954061	
9540-2G												
9550-2	[0.82] 20,9	[1.97] 50	[3.66] 93	[4.17] 106	[0.33] 8,5	[0.31] 8	M8	M8x150	[0.59] 15	955060	955061	955062
9550-2G												

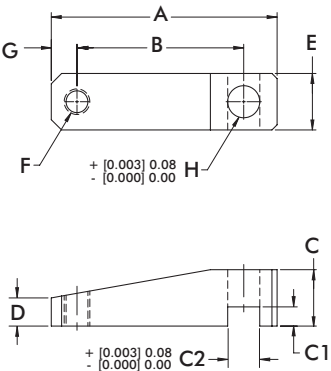
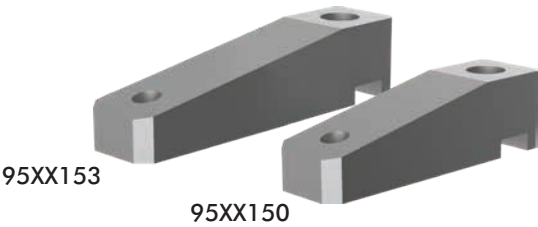
Refer to NPN-9500-2 for mounting instructions

9500 SERIES

Pneumatic Swing Clamps | Clamping Arms

Features:

- Lightweight aluminum construction
- Designed for use with 9500-2 series clamps



Part Number	Used with Model	A	B	C	C1	C2	D	E	F	G	H	Weight [lbs] kg
9522150	9522-2	[2.28] 58	[1.77] 45	[0.59] 15	[0.16] 4	[0.315] 8,01	[0.30] 7,50	[0.59] 15	M6	[0.20] 5	[0.315] 8,00	[0.06] 0,025
9522153		[3.07] 78	[2.56] 65									[0.08] 0,034
9540150	9530-2, 9540-2	[2.76] 70	[1.97] 50	[0.79] 20	[0.18] 4,6	[0.394] 10,01	[0.39] 10	[0.79] 20	M8	[0.39] 10	[0.394] 10,00	[0.12] 0,054
9540153		[3.94] 100	[3.15] 80									[0.17] 0,079
9550150	9550-2	[3.46] 88	[2.56] 65	[0.87] 22	[0.30] 7,5	[0.493] 12,51	[0.43] 11	[0.87] 22	M10	[0.39] 10	[0.492] 12,50	[0.18] 0,081
9550153		[4.45] 113	[3.54] 90									[0.23] 0,11