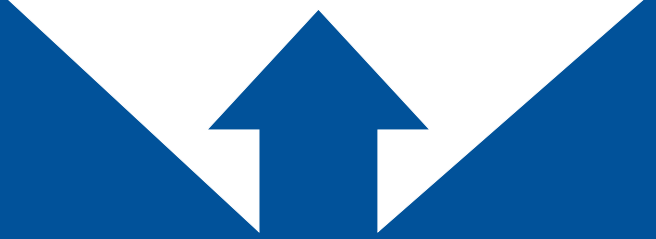




DAPCO®



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Mission Statement

DADCO's mission is to increase customer productivity by manufacturing and servicing dynamic industrial products. Through dedicated teamwork with our customers and suppliers, we pursue the highest quality standards for every product and service we provide.

DADCO is registered to the ISO 9001: 2015 Quality System Standard. DADCO maintains a quality system to ensure sound practices are in place for every process that can affect product quality. DADCO's continuous improvement philosophy influences every aspect of our enterprise. We are committed to doing Whatever It Takes To Satisfy Our Customers.

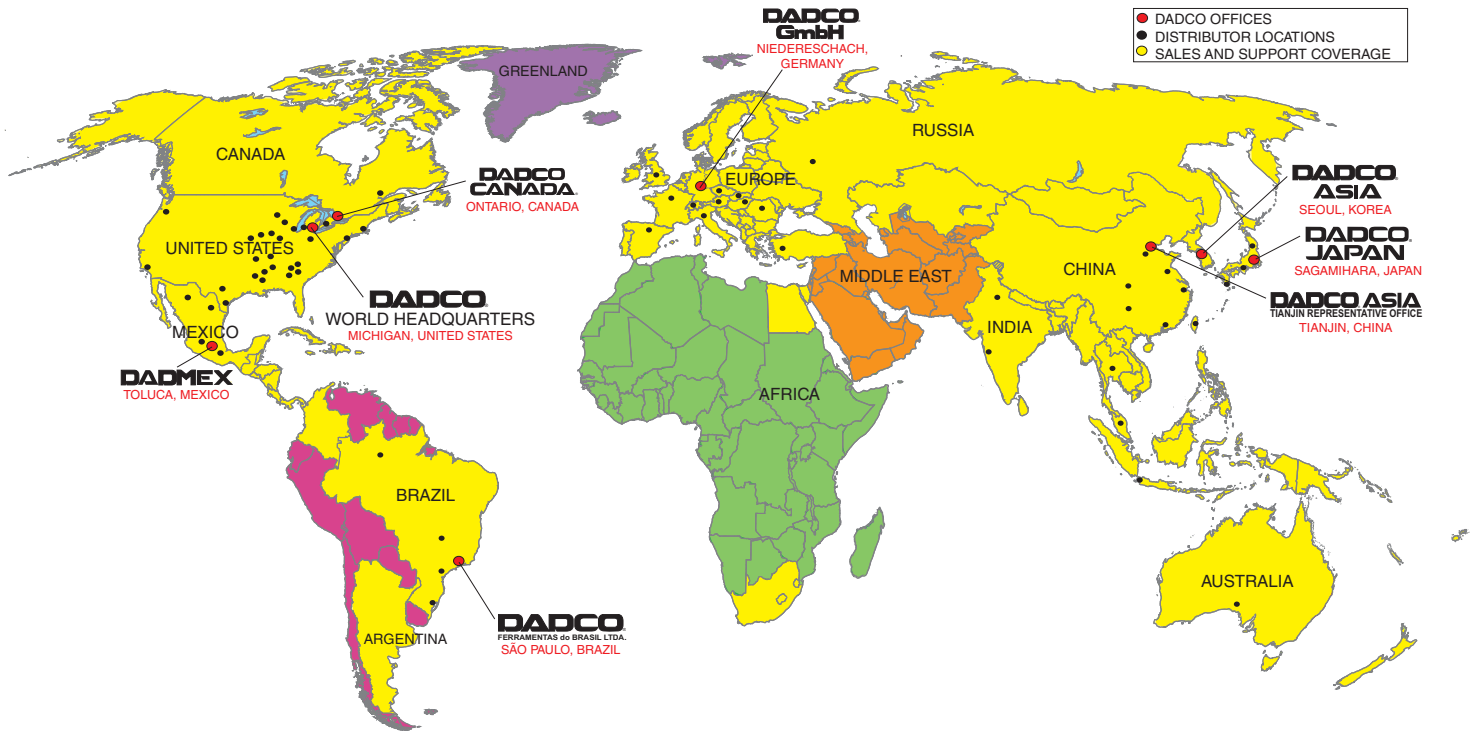
DADCO has an in-house R&D lab that allows Engineering to conduct extensive research and development. DADCO's engineering expertise is apparent in the dozens of patents DADCO currently holds, while more are pending. This expertise directly translates into the high quality products DADCO supplies.

About DADCO

Founded in 1958, DADCO is the leader in nitrogen gas spring technology. DADCO offers a complete line of nitrogen gas springs and accessories. Our nitrogen gas springs range from 10 lbs. to 22 tons of force on-contact. DADCO complements the gas spring product line with Nitrogen Gas Spring Lifters and ISO / Metric Air Cylinders and accessories. DADCO's products are widely approved and used in global stamping operations for many industries including metal stamping, automotive and plastic injection molding.

In addition to our extensive product line DADCO offers superior product support services including training classes, engineering advice and technical support that is unsurpassed. DADCO is proud to serve you through our regional offices and our worldwide network of distributors.

Find Us Worldwide



Guide Retainer Sets

Model	Rod Diameter (mm / inch)		Retainer Diameter (mm / inch)		Pin Extension (mm)	Overall Length (mm)	Rod Attachment SHCS (Metric / Imperial)		Fastener Quantity
GRS.25	24.95	.982	38	1.496	20-150	Pin Extension + 58.40	M12	1/2"-13	1
GRS.25.HD1	24.95	.982	38.10	1.500	20-120	Pin Extension + 64.4	M12	1/2"-13	1
GRS.25.HD2	24.95	.982	38.10	1.500	20-150	Pin Extension + 89.8	M12	1/2"-13	1
GRS.30*	30	1.181	43	1.693	20-150	Pin Extension + 58.40	M8	5/16"-18	4
GRS.30.HD1	30	1.181	44.45	1.750	20-90	Pin Extension + 73.98	M8	5/16"-18	4
GRS.30.HD2	30	1.181	44.45	1.750	20-152.4	Pin Extension + 99.38	M8	5/16"-18	4
GRS.30.HD4/5	30	1.181	NA	NA	20-90	Pin Extension + 58.10	M8	5/16"-18	4
GRS.36*	36	1.417	50	1.969	20-150	Pin Extension + 73.40	M10	3/8"-16	4
GRS.36.HD	36	1.417	50	1.969	45-145	Pin Extension + 100.00	M10	-	4
GRS.36.HD1	36	1.417	53.98	2.125	20-90	Pin Extension + 78.98	M10	3/8"-16	4
GRS.36.HD2	36	1.417	53.98	2.125	20-152.4	Pin Extension + 104.38	M10	3/8"-16	4
GRS.45.HD1	45	1.772	60.33	2.375	20-90	Pin Extension + 76.21	M10	3/8"-16	4
GRS.45.HD2	45	1.772	60.33	2.375	20-152.4	Pin Extension + 101.61	M10	3/8"-16	4
GRS.45.HD4/5	45	1.772	NA	NA	20-90	Pin Extension + 60.3	M10	3/8"-16	4
GRS.50	50	1.968	68	2.677	20-150	Pin Extension + 90.40	M12	1/2"-13	4
GRS.50.HD	50	1.967	70	2.756	55-155	Pin Extension + 135.00	M16	-	3
GRS.65.HD	65	2.559	90	3.543	55-155	Pin Extension + 170.00	M16	-	4

Chart shows Flange and Wide Toe Clamp models.

*GRS.30 and GRS.36 are available with Alternative Toe Clamps, see product catalog for more information.

DADCO Nitrogen Gas Spring Selection

Model	Can Diameter (mm / inch)		Rod Diameter (mm / inch)		Stroke Lengths (mm)		Overall Length (mm)		Max Force on Contact (daN / lb.)		Max Charging Pressure (bar / psi)		Port Size
C.045	12	.472	6	.24	7-50	63.5-80	(2 x S) + 42	(2 x S) + 45	50	112	177	2560	M6
C.070	15	.591	7	.28	7-50	63.5-125	(2 x S) + 42	(2 x S) + 45	68	154	177	2560	M6
C.090	19	.748	8	.31	7-50	63.5-125	(2 x S) + 42	(2 x S) + 45	89	200	177	2560	M6
					150-200		(2 x S) + 53						
U.0175	19	.748	11	.43	7-63.5	75-125	(2 x S) + 30	(2 x S) + 35	171	383	180	2600	M6
C.180	25	.984	12	.47	7-50	63.5-125	(2 x S) + 42	(2 x S) + 45	200	450	177	2560	M6
					150-200		(2 x S) + 53						
U.0325	25	.984	15	.59	7-63.5	75-125	(2 x S) + 30	(2 x S) + 35	320	715	180	2600	M6
SC.00420	25	.984	12	.47	10, 16, 25		70, 91, 120		425	956	150	2175	M6
C.250	32	1.260	15	.59	7-50	63.5-125	(2 x S) + 42	(2 x S) + 45	313	701	177	2560	M6
90.10.00170	32	1.260	12	.47	10-125		2 x Stroke + 50		170	381	150	2175	M6
U.0400	32	1.260	16	.63	10-125		2 x Stroke + 30		362	810	180	2600	M6
UH.0400	32	1.260	16	.63	10-125		2 x Stroke + 40		362	810	180	2600	G 1/8
SCR.0500	32	1.260	18	.71	10-80		2 x Stroke + 55		458	1026	180	2600	M6
SC.00740	32	1.260	20	.79	6-50		63-195		736	1655	150	2175	M6
LJ.300	38	1.496	16	.63	12.5-125		2 x Stroke + 30		302	678	150	2175	M6
L.300	38	1.496	16	.63	6.3-125		2 x Stroke + 50.5		302	678	150	2175	M6
U.0600	38	1.496	20	.79	10-125		2 x Stroke + 30		471	1059	150	2175	M6
UH.0600	38	1.496	20	.79	10-125		2 x Stroke + 40		471	1059	150	2175	G 1/8
SCR.0800	38	1.496	25	.98	10-80		2 x Stroke + 55		884	1978	180	2600	M6
SC.01000	38	1.496	20	.79	6-50		61-230		1060	2383	150	2175	M6
FCL.503	44.5	1.750	16	.63	24-124		2 x Stroke + 52.5		302	678	150	2175	M6
LJ.500	44.5	1.750	20	.79	12.5-125		2 x Stroke + 32		471	1059	150	2175	M6
L.500	44.5	1.750	20	.79	6.3-125		2 x Stroke + 50.5		471	1059	150	2175	M6
90.10.00500	44.5	1.750	20	.79	12.5-200		2 x Stroke + 85		471	1059	150	2175	G 1/8
U.0800	44.5	1.750	25	.98	10-125		2 x Stroke + 32		736	1655	150	2175	M6
UK.0800	44.5	1.750	25	.98	12.5-125		2 x Stroke + 42		736	1655	150	2175	G 1/8
UH.0800	44.5	1.750	25	.98	12.5-125		2 x Stroke + 47		736	1655	150	2175	G 1/8
UX.0800	44.5	1.750	25	.98	12.5-200		2 x Stroke + 42		736	1655	150	2175	G 1/8
FCL.755	50	1.968	20	.79	24-124		2 x Stroke + 52.5		471	1059	150	2175	M6
LJ.750	50	1.968	25	.98	12.5-125		2 x Stroke + 38		736	1655	150	2175	M6
L.750	50	1.968	25	.98	6.3-125		2 x Stroke + 50.5		736	1655	150	2175	M6
90.8.00750	50	1.968	25	.98	12.5-250		2 x Stroke + 70		736	1655	150	2175	G 1/8
90.10.00750	50	1.968	25	.98	12.5-300		2 x Stroke + 95		736	1655	150	2175	G 1/8
U.1000	50	1.968	28	1.10	12.5-125		2 x Stroke + 38		924	2076	150	2175	M6
UK.1000	50	1.968	28	1.10	12.5-125		2 x Stroke + 48		924	2076	150	2175	G 1/8
UH.1000	50	1.968	28	1.10	12.5-125		2 x Stroke + 52		924	2076	150	2175	G 1/8
UT.1000	50	1.968	28	1.10	12.5-125		2 x Stroke + 52		924	2076	150	2175	G 1/8
UX.1000	50	1.968	28	1.10	12.5-300		2 x Stroke + 93		924	2076	150	2175	G 1/8
U.1200	50	1.968	30	1.18	10-125		2 x Stroke + 38		1060	2383	150	2175	M6
SCR.1900	50	1.968	35	1.38	10-80		2 x Stroke + 80		1732	3877	180	2600	M6
SC.01800	50	1.968	30	1.18	6-50		66-220		1885	4236	150	2175	G 1/8
U.1600	63	2.480	36	1.42	10-125		2 x Stroke + 44		1527	3432	150	2175	M6
UK.1600	63	2.480	36	1.42	12.5-125		2 x Stroke + 54		1527	3432	150	2175	G 1/8
UH.1600	63	2.480	36	1.42	12.5-125		2 x Stroke + 52		1527	3432	150	2175	G 1/8
UX.1600	63	2.480	36	1.42	12.5-300		2 x Stroke + 95		1527	3432	150	2175	G 1/8
SCR.3200	63	2.480	45	1.77	16-80		2 x Stroke + 80		2863	6409	180	2600	M6
SC.03500	63	2.480	45	1.77	10-50		85-205		3185	7160	150	2175	G 1/8
90.8.01500	75	2.953	36	1.42	12.5-250		2 x Stroke + 85		1527	3432	150	2175	G 1/8
90.10.01500	75	2.953	36	1.42	12.5-300		2 x Stroke + 110		1527	3432	150	2175	G 1/8
U.2600	75	2.953	45	1.77	16-125		2 x Stroke + 45		2386	5362	150	2175	M6
UK.2600	75	2.953	45	1.77	25-125		2 x Stroke + 55		2386	5362	150	2175	G 1/8
UH.2600	75	2.953	45	1.77	16-125		2 x Stroke + 59		2386	5362	150	2175	G 1/8
UT.2600	75	2.953	45	1.77	16-125		2 x Stroke + 59		2386	5362	150	2175	G 1/8
UX.2600	75	2.953	45	1.77	25-300		2 x Stroke + 108		2386	5362	150	2175	G 1/8
SC.04700	75	2.953	50	1.97	10-50		80-240		4676	10509	150	2175	G 1/8
SCS.4300	75	2.953	55	2.16	15-80		100-250		3564	8010	150	2175	G 1/8
90.8.03000	95	3.740	50	1.97	12.5-250		2 x Stroke + 95		2945	6619	150	2175	G 1/8
90.10.03000	95	3.740	50	1.97	12.5-300		2 x Stroke + 120		2945	6619	150	2175	G 1/8
90.10RX.03000	95	3.740	50	1.97	25-300		2 x Stroke + 120		2945	6619	150	2175	G 1/8

Refer to DADCO product catalogs for exact dimensions and complete list of stroke lengths

DADCO® Nitrogen Gas Spring Selection (cont.)

Model	Can Diameter (mm / inch)		Rod Diameter (mm / inch)		Stroke Lengths (mm)	Overall Length (mm)	Max Force on Contact (daN / lb.)		Max Charging Pressure (bar / psi)		Port Size
U.4600	95	3.740	60	2.36	16-125	2 x Stroke + 58	4241	9532	150	2175	G 1/8
UH.4600	95	3.740	60	2.36	16-125	2 x Stroke + 62	4241	9532	150	2175	G 1/8
UT.4600	95	3.740	60	2.36	16-125	2 x Stroke + 62	4241	9532	150	2175	G 1/8
UX.4600	95	3.740	60	2.36	25-300	2 x Stroke + 120	4241	9532	150	2175	G 1/8
SC.07500	95	3.740	63	2.48	10-50	90-255	7540	16946	150	2175	G 1/8
SCS.7000	95	3.740	70	2.75	15-80	115-260	5773	12974	150	2175	G 1/8
90.8.05000	120	4.724	65	2.56	25-250	2 x Stroke + 102.5	4977	11187	150	2175	G 1/8
90.10.05000	120	4.724	65	2.56	25-300	2 x Stroke + 140	4977	11187	150	2175	G 1/8
90.10RX.05000	120	4.724	65	2.56	25-300	2 x Stroke + 140	4977	11187	150	2175	G 1/8
U.6600	120	4.724	75	2.95	16-125	2 x Stroke + 68	6627	14894	150	2175	G 1/8
UH.6600	120	4.724	75	2.95	16-125	2 x Stroke + 72	6627	14894	150	2175	G 1/8
UT.6600	120	4.724	75	2.95	16-125	2 x Stroke + 72	6627	14894	150	2175	G 1/8
UX.6600	120	4.724	75	2.95	25-300	2 x Stroke + 140	6627	14894	150	2175	G 1/8
SC.11800	120	4.724	80	3.15	10-50	100-260	11781	26478	150	2175	G 1/8
90.8.07500	150	5.906	80	3.15	25-250	2 x Stroke + 105	7540	16946	150	2175	G 1/8
90.10.07500	150	5.906	80	3.15	25-300	2 x Stroke + 155	7540	16946	150	2175	G 1/8
90.10RX.07500	150	5.906	80	3.15	25-300	2 x Stroke + 155	7540	16946	150	2175	G 1/8
U.9600	150	5.906	90	3.54	25-125	2 x Stroke + 78	9543	21447	150	2175	G 1/8
UT.9600	150	5.906	90	3.54	25-125	2 x Stroke + 78	9543	21447	150	2175	G 1/8
UX.9600	150	5.906	90	3.54	25-300	2 x Stroke + 155	9543	21447	150	2175	G 1/8
SC.18300	150	5.906	100	3.94	10-50	110-270	18408	41372	150	2175	G 1/8
90.10.10000	195	7.677	95	3.74	50-250	2 x Stroke + 160	10632	23896	150	2175	G 1/8
90.10RX.10000	195	7.677	95	3.74	50-250	2 x Stroke + 160	10632	23896	150	2175	G 1/8
U.20000	195	7.677	130	5.12	25-125	2 x Stroke + 110	19910	44747	150	2175	G 1/8
UX.20000	195	7.677	130	5.12	25-300	2 x Stroke + 160	19910	44747	150	2175	G 1/8

Nitrogen Gas Lifter Selection

Model	Can Diameter (mm / inch)		Stroke Lengths S (mm)	Overall Length (mm)	Max Force on Contact (daN / lb.)		Max Charging Pressure (bar / psi)		Port Size
E.16	12	.472	15-80	74-207	42	95	150	2175	M6
E.24	21.5	.846	20-80	100-220	170	381	150	2175	M6
SL.16	14	.55	10-100	2 x Stroke + 60	51	114	180	2611	M6
SLN.090	38	1.496	25-125	112-330	89	200	177	2560	-
SLN.180*	50	1.968	25-125	145-369	200	450	177	2560	-
SLN.300	75	2.953	50-150	2 x Stroke + 96	302	678	150	2175	M6
SLC.500	50	1.96	50-200	2 x Stroke + 122.5	220	487	70	1000	G 1/8
SLC.800	75	2.95	50-200	2 x Stroke + 204	712	1578	70	1000	G 1/8

Model	Rail Width	Stroke Lengths	Overall Length	Max Force on Contact		Max Charging Pressure		Port Size
SL2.090	160	6.30	23-198	89	200	177	2560	M6
SL2.180	180	7.09	23-198	200	450	177	2560	M6
SL2.300	180	7.09	23-198	302	678	150	2175	M6

Refer to DADCO product catalogs for exact dimensions and complete list of stroke lengths.

*Available Flange Model (FA / FB) for stripper applications

Air Cylinder Selection

Model	Bore Size (mm)	Stroke Lengths S (mm)	Cylinder Body Length (mm)	PUSH Force* 6 bar / 80 psi (kN / lb.)		Max Charging Pressure (bar / psi)		Port Style
HP.Z / HP.W	32-250	25-500	varies by bore size (see catalog)	.483-29.45	100-6087	10	140	NPT/BSPP
HP.N	32-100	25-500	varies by bore size (see catalog)	.483-4.71	100-974	10	140	NPT/ BSPP
HP.TDL2C	40-100	25-400	varies by bore size (see catalog)	.754-4.71	156-974	10	140	NPT/BSPP
HP.TDL4	40	25-250	Stroke + 171	.754	156	10	140	NPT/BSPP
HP.STB	50	125-200	Stroke + 161	1.080	243	10	140	BSPP
HP3	40	80-160	Stroke + 200	See Catalog				BSPP

Refer to DADCO product catalogs for exact dimensions and complete list of stroke lengths.

*Reference HP Series product catalog for PULL force

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