




















Actuator Specifications

Actuator Code	Contact Code	Maximum Operating Force		Minimum Reset Force		Maximum Pre-Travel		Minimum Operating Point	Minimum Over-Travel	Max. Movement Differential	Max. Rest Position	Actuation Length
		Standard	Light	Standard	Light	mm (in)	mm (in)					
	0, 1, 2, 3	170	45	45	13	1.2 (0.047)	14.7 ± 0.5 (0.559)	1.3 (0.051)	0.3 (0.012)	16.2 (0.638)	--	
	4	285	75	100	22	1.2 (0.047)	14.7 ± 0.5 (0.559)	1.3 (0.051)	0.3 (0.012)	16.2 (0.638)	--	
	5	400	100	140	30	1.2 (0.047)	14.7 ± 0.5 (0.559)	1.3 (0.051)	0.3 (0.012)	16.2 (0.638)	--	
	8	--	150	--	60	1.6 (0.063)	14.7 ± 0.5 (0.559)	1.2 (0.047)	0.3 (0.012)	16.2 (0.638)	--	
	0, 1, 2, 3	190	50	45	13	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	4	320	85	100	22	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	5	440	115	140	30	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	8	--	180	--	55	1.6 (0.063)	15.2 ± 0.5 (0.598)	0.8 (0.031)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	0, 1, 2, 3	86	22	20	5	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	4	144	40	40	8	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	5	200	50	60	12	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	8	--	75	--	22	3.8 (0.150)	15.2 ± 1.2 (0.598)	1.8 (0.071)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	0, 1, 2, 3	40	10	8	2	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	4	60	17	17	3.5	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	5	90	22	25	5	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	8	--	35	--	10	8.8 (0.346)	15.2 ± 3.2 (0.598)	4.3 (0.169)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	0, 1, 2, 3	110	28	25	7	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)	
	4	180	50	55	10	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)	
	5	256	65	75	16	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)	
	8	--	100	--	30	3.0 (0.118)	15.2 ± 0.8 (0.598)	1.4 (0.055)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)	
	0, 1, 2, 3	50	14	11	3	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)	
	4	86	25	25	6	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)	
	5	120	30	35	7	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)	
	8	--	45	--	13	6.4 (0.252)	15.2 ± 1.6 (0.598)	3.2 (0.126)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)	
	0, 1, 2, 3	25	6	5	1.5	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)	
	4	40	10	10	2	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)	
	5	56	13	15	3	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)	
	8	--	20	--	6	14.6 (0.575)	15.2 ± 4.2 (0.598)	7.2 (0.283)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)	
	0, 1, 2, 3	190	50	45	13	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	4	320	85	100	22	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	5	440	115	140	30	1.2 (0.047)	15.2 ± 0.5 (0.598)	0.9 (0.035)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	8	--	180	--	55	1.6 (0.063)	15.2 ± 0.5 (0.598)	0.8 (0.031)	0.3 (0.012)	16.8 (0.661)	21.2 (0.835)	
	0, 1, 2, 3	86	22	20	5	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	4	144	40	40	8	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	5	200	50	60	12	3.2 (0.126)	15.2 ± 1.2 (0.598)	2.3 (0.091)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	8	--	75	--	22	3.8 (0.150)	15.2 ± 1.2 (0.598)	1.8 (0.071)	0.8 (0.031)	19.8 (0.780)	35.6 (1.40)	
	0, 1, 2, 3	40	10	8	2	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	4	60	17	17	3.5	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	5	90	22	25	5	7.6 (0.290)	15.2 ± 3.2 (0.598)	4.7 (0.185)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	
	8	--	35	--	10	8.8 (0.346)	15.2 ± 3.2 (0.598)	4.3 (0.169)	1.7 (0.067)	25.2 (0.992)	69.9 (2.75)	

J, K actuators are stainless steel, others cold-rolled steel, nickel-plated
See D4 data sheet for more information



Actuator Specifications

Actuator Code	Contact Code	Maximum Operating Force		Minimum Reset Force		Maximum Pre-Travel Operating Point		Minimum Over-Travel	Max. Movement Differential	Max. Rest Position	Actuation Length
		Standard	Light	Standard	Light	mm (in)	mm (in)				
	0, 1, 2, 3	110	28	25	7	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)
	4	180	50	55	10	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)
	5	256	65	75	16	2.2 (0.87)	15.2 ± 0.8 (0.598)	1.6 (0.630)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)
	8	--	100	--	30	3.0 (0.118)	15.2 ± 0.8 (0.598)	1.4 (0.055)	0.6 (0.024)	18.8 (0.740)	25.7 (1.01)
	0, 1, 2, 3	50	14	11	3	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)
	4	86	25	25	6	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)
	5	120	30	35	7	5.1 (0.200)	15.2 ± 1.6 (0.598)	3.6 (0.142)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)
	8	--	45	--	13	6.4 (0.252)	15.2 ± 1.6 (0.598)	3.2 (0.126)	1.3 (0.051)	22.2 (0.874)	40.1 (1.58)
	0, 1, 2, 3	25	6	5	1.5	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)
	4	40	10	10	2	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)
	5	56	13	15	3	12.7 (0.500)	15.2 ± 4.2 (0.598)	7.9 (0.311)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)
	8	--	20	--	6	14.6 (0.575)	15.2 ± 4.2 (0.598)	7.2 (0.283)	2.5 (0.098)	30.8 (1.210)	74.4 (2.93)
	0, 1, 2	90	15			1.2 (0.047)	19.7 (0.776)	1.0 (0.039)	0.4 (0.016)	21.8 (0.858)	20.6 (0.811)
	3	190	45			1.2 (0.047)	19.7 (0.776)	1.0 (0.039)	0.4 (0.016)	21.8 (0.858)	20.6 (0.811)
	4	330	75	Contact Factory		1.2 (0.047)	19.7 (0.776)	1.0 (0.039)	0.4 (0.016)	21.8 (0.858)	20.6 (0.811)
	5	440	100			1.2 (0.047)	19.7 (0.776)	1.0 (0.039)	0.4 (0.016)	21.8 (0.858)	20.6 (0.811)
	8	--	180			1.7 (0.067)	21.3 (0.839)	0.8 (0.031)	0.3 (0.012)	22.0 (0.866)	20.6 (0.811)
	0, 1, 2	40	8			3.2 (0.126)	19.4 (0.764)	2.2 (0.087)	0.8 (0.031)	24.8 (0.976)	34.1 (1.34)
	3	86	22			3.2 (0.126)	19.4 (0.764)	2.2 (0.087)	0.8 (0.031)	24.8 (0.976)	34.1 (1.34)
	4	144	40	Contact Factory		3.2 (0.126)	19.4 (0.764)	2.2 (0.087)	0.8 (0.031)	24.8 (0.976)	34.1 (1.34)
	5	200	50			3.2 (0.126)	19.4 (0.764)	2.2 (0.087)	0.8 (0.031)	24.8 (0.976)	34.1 (1.34)
	8	--	75			3.8 (0.150)	21.6 (0.850)	1.8 (0.071)	0.8 (0.031)	24.8 (0.976)	34.1 (1.34)
	0, 1, 2	85	17			1.3 (0.051)	19.8 (0.780)	1.0 (0.039)	0.3 (0.012)	21.8 (0.858)	20.6 (0.811)
	3	190	50			1.3 (0.051)	19.8 (0.780)	1.0 (0.039)	0.3 (0.012)	21.8 (0.858)	20.6 (0.811)
	4	330	85	Contact Factory		1.3 (0.051)	19.8 (0.780)	1.0 (0.039)	0.3 (0.012)	21.8 (0.858)	20.6 (0.811)
	5	440	115			1.3 (0.051)	19.8 (0.780)	1.0 (0.039)	0.3 (0.012)	21.8 (0.858)	20.6 (0.811)
	8	--	200			1.7 (0.067)	21.2 (0.835)	0.8 (0.031)	0.3 (0.012)	22.0 (0.866)	20.6 (0.811)
	0, 1, 2	55	10			2.2 (0.087)	19.4 (0.764)	1.6 (0.063)	0.6 (0.024)	23.8 (0.937)	25.1 (0.988)
	3	110	30			2.2 (0.087)	19.4 (0.764)	1.6 (0.063)	0.6 (0.024)	23.8 (0.937)	25.1 (0.988)
	4	200	55	Contact Factory		2.2 (0.087)	19.4 (0.764)	1.6 (0.063)	0.6 (0.024)	23.8 (0.937)	25.1 (0.988)
	5	260	70			2.2 (0.087)	19.4 (0.764)	1.6 (0.063)	0.6 (0.024)	23.8 (0.937)	25.1 (0.988)
	8	--	110			3.0 (0.118)	21.6 (0.850)	1.3 (0.051)	0.6 (0.024)	24.0 (0.945)	25.1 (0.988)
	0, 1, 2	25	14			5.1 (0.200)	18.9 (0.744)	3.6 (0.142)	1.3 (0.051)	27.4 (1.080)	38.6 (1.52)
	3	55	14			5.1 (0.200)	18.9 (0.744)	3.6 (0.142)	1.3 (0.051)	27.4 (1.080)	38.6 (1.52)
	4	86	22	Contact Factory		5.1 (0.200)	18.9 (0.744)	3.6 (0.142)	1.3 (0.051)	27.4 (1.080)	38.6 (1.52)
	5	120	30			5.1 (0.200)	18.9 (0.744)	3.6 (0.142)	1.3 (0.051)	27.4 (1.080)	38.6 (1.52)
	8	--	50			6.2 (0.244)	22.1 (0.870)	3.0 (0.118)	1.2 (0.047)	27.4 (1.080)	38.6 (1.52)
	0, 1, 2	55	11			2.2 (0.087)	19.5 (0.768)	1.6 (0.063)	0.5 (0.020)	23.8 (0.937)	25.1 (0.988)
	3	120	32			2.2 (0.087)	19.5 (0.768)	1.6 (0.063)	0.5 (0.020)	23.8 (0.937)	25.1 (0.988)
	4	215	55	Contact Factory		2.2 (0.087)	19.5 (0.768)	1.6 (0.063)	0.5 (0.020)	23.8 (0.937)	25.1 (0.988)
	5	280	70			2.2 (0.087)	19.5 (0.768)	1.6 (0.063)	0.5 (0.020)	23.8 (0.937)	25.1 (0.988)
	8	--	110			3.0 (0.118)	21.5 (0.846)	1.3 (0.051)	0.5 (0.020)	24.0 (0.945)	25.1 (0.988)

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