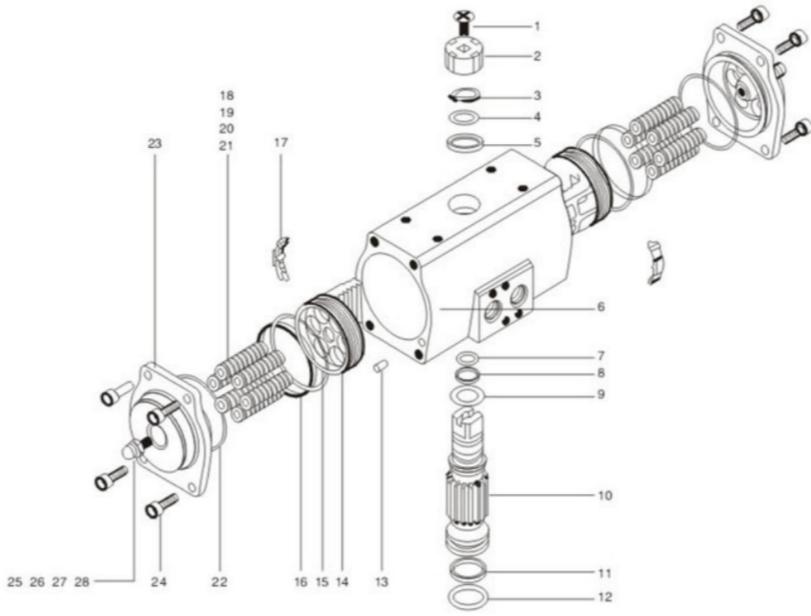
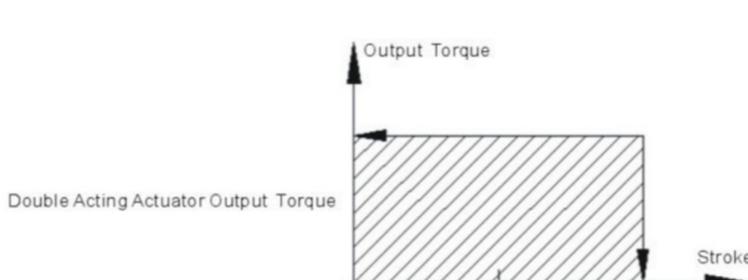


Material Table



No.	Name	QTY	Material	No.	Name	QTY	Material
1	Indicator Screw	1	PVC	15	Piston O Ring	2	FPM/NBR
2	Indicator	1	PVC	16	Piston Support Ring	2	ABS
3	Snap Ring	1	Spring Steel	17	Piston Tile	2	Nylon 66
4	Gasket	1	SS	18	Spring	*	Spring Steel
5	Outer Gasket	1	ABS	19	Left Spring Housing	*	Nylon 66
6	Cylinder	1	SS	20	Right Piston Housing	*	Nylon 66
7	Upper O Ring	1	FPM/NBR	21	Spring Housing Screw	*	SS
8	Upper Support Ring	1	ABS	22	O Ring for End Cap	2	FPM/NBR
9	Inner Gasket	1	ABS	23	End Cap	2	SS
10	Drive Shaft	1	SS	24	End Cap Screw	8	SS
11	Lower Support Ring	1	ABS	25	Adjusting Screw	2	SS
12	Lower O Ring	1	FPM/NBR	26	Adjusting Screw Cap	2	SS
13	Plug	2	Rubber	27	Adjusting Screw Gasket	2	SS
14	Piston	2	SS	28	Adjusting Screw O Ring	2	FPM/NBR

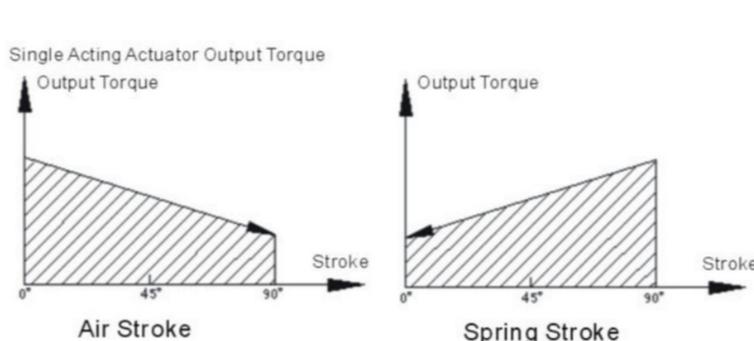
Double Acting Output Torque



Output Torque Table of RT Series Double Acting Pneumatic Actuator (N.m.)

Model	Air Supply Pressure (Unit: Bar)									
	2.5	3	3.5	4	4.5	5	5.5	6	7	8
RT-045D	8.4	10.1	11.7	13.5	15.1	16.7	18.4	20.0	23.4	26.7
RT-060D	14.8	17.7	20.6	23.6	26.5	29.4	32.3	35.3	41.1	47.0
RT-085D	45.9	55.0	64.2	73.3	82.5	91.6	101.1	110.1	128.1	146.1
RT-105D	66.8	80.1	93.4	106.3	120.3	133.3	146.3	160.3	186.3	213.3
RT-125D	139	167	195	223	250	278	303	333	389	444
RT-140D	217	261	304	348	391	434	478	521	608	695
RT-160D	285	341	398	455	512	577	625	682	795	909
RT-210D	732	879	1025	1172	1318	1465	1612	1758	2051	2344

Single Acting Output Torque



Output Torque Table of RT Series Single Acting Pneumatic Actuator (N.m.)

Model	Spring Qty	2.5Bar		3Bar		3.5Bar		4Bar		4.5Bar		5Bar		5.5Bar		6Bar		7Bar		8Bar		Spring Torque		
		0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	
RT-045S	5	5.0	3.5	6.7	5.2	8.4	6.9	10	8.5	11.7	10.2	13.3	11.8									5.0	3.5	
	6	4.4	2.6	6.0	4.2	7.7	5.9	9.4	7.5	11.0	9.2	12.7	10.9	14.3	12.5							5.9	4.1	
	7			5.4	3.2	7.0	4.9	8.7	6.6	10.3	8.2	12.0	9.9	13.7	11.6	15.3	13.2					6.9	4.8	
	8					6.3	3.9	8.0	5.6	9.7	7.3	11.3	8.9	13.0	10.6	14.7	12.2	18.0	15.6				7.9	5.5
	9							7.3	4.6	9.0	6.3	10.7	7.9	12.3	9.6	14.0	11.3	17.3	14.6	20.6	17.9	8.9	6.2	
	10									8.3	5.3	10.0	7.0	11.6	8.6	13.3	10.3	16.6	13.6	19.9	16.9	9.8	6.8	
	11											9.3	6.0	11.0	7.7	12.6	9.3	16.0	12.6	19.3	16.0	10.8	7.5	
	12												10.3	6.7	12.0	8.3	15.3	11.7	18.6	15.0	11.8	8.1		
	RT-060S	5	9.2	6.3	12.1	9.3	15.1	12.2	18.0	15.1	20.9	18.0	23.9	21.0									8.5	5.6
		6	8.1	4.6	11.0	7.6	14.0	10.5	16.9	13.4	19.8	16.4	22.8	19.3	25.7	22.2							10.2	6.8
		7			9.9	5.9	12.9	8.8	15.8	11.7	18.7	14.7	21.3	17.6	24.6	20.5	27.5	23.5					11.9	7.9
		8					11.7	7.1	14.7	10.1	17.6	13.0	20.5	15.9	23.5	18.8	26.4	21.8	32.3	27.6				13.6
9								13.6	8.4	16.5	11.3	19.4	14.2	22.4	17.2	25.3	20.1	31.2	26.0	38.0	31.8	15.3	10.1	
10										15.4	9.6	18.3	12.5	21.2	15.5	24.2	18.4	30.0	24.3	35.9	30.1	17.0	11.2	
11												17.2	10.9	20.1	13.8	23.1	16.7	28.9	22.6	34.8	28.4	18.7	12.3	
12													19.0	12.1	22.0	15.0	27.8	20.9	33.7	26.8	20.3	13.4		
RT-085S		5	27.5	17.0	36.7	26.1	45.8	35.3	55.0	44.4	64.1	53.6	73.3	62.7									29.0	18.4
		6	23.9	11.2	33.0	20.1	42.2	29.5	51.3	38.7	60.5	47.8	69.6	57.0	78.8	66.1	84.3	69.5					34.8	22.1
		7			29.3	14.6	38.5	23.7	47.6	32.9	56.8	42.0	65.9	51.2	75.1	60.3	84.3	69.5					40.5	25.8
		8					34.8	18.0	44.0	27.1	53.1	36.3	62.3	45.4	71.4	54.6	80.6	63.7	98.9	82.0				46.3
	9							40.3	21.3	49.5	30.5	58.6	39.6	67.8	48.8	76.9	57.9	95.2	76.2	113	94.6	52.1	33.1	
	10									45.8	24.7	54.9	33.9	64.1	43.0	73.2	52.2	91.6	64.7	110	88.8	57.9	36.8	
	11											51.3	28.1	60.1	37.2	69.6	46.4	87.9	64.7	106	83.0	63.6	40.4	
	12												56.8	31.5	65.9	40.6	84.2	58.9	102	77.2	69.4	44.1		
	RT-105S	5	41.2	27.2	54.5	40.5	67.8	53.8	81.1	67.1	94.4	80.4	108	93.7									39.5	25.4
		6	36.2	19.3	49.5	32.6	62.8	45.9	76.1	59.2	89.4	72.5	103	85.8	116	99.1							47.4	30.5
		7			44.4	24.7	57.7	38.0	71.0	51.3	84.3	64.6	97.6	77.9	111	91.2	124	104					55.2	35.6
		8					52.6	30.1	65.9	43.4	79.2	56.7	92.5	70.0	106	83.3	119	96.6	146	123				63.1
9								60.9	35.6	74.1	48.9	87.4	62.2	101	75.4	114	88.7	141	115	167	142	71.0	45.7	
10										69.1	41.0	82.4	54.3	95.7	67.6	109	80.9	135	107	162	134	78.9	50.8	
11												77.3	46.4	90.6	59.7	104	73.0	130	99.1	157	126	86.8	55.8	
12													85.5	51.8	98.8	65.1	125	92.1	152	118	94.6	60.9		
RT-125S		5	86.1	56.2	113.7	84.0	141	111	169	139	197	167	224	195									82.1	52.6
		6	75.6	39.7	103.2	67.4	131	95.1	159	123	186	150	214	178	242	206							99.1	63.1
		7			92.8	50.9	120.5	78.6	148	106	176	134	203	162	232	188	259	217					115	73.6
		8					110	62.1	137.6	89.8	165	117	193	145	221	173	248	201	304	256				132
	9							127	73.4	155	101	182	129	210	156	238	184	293	239	349	295	148	94.6	
	10									144	84.6	172	112	200	140	227	168	283	223	338	278	165	105	
	11											161	95.8	189	123	217	151	272	206	328	262	181	116	
	12												179	107	206	135	262	109	318	245	198	126		
	RT-140S	5	135	88.2	178	132	222	175	265	219	309	262	352	305									129	82.3
		6	119	62.4	162	106	205	149	249	193	292	236	326	280	379	323							155	98.7
		7			146	80.1	189	124	232	167	276	210	319	254	363	297	406	341					181	115
		8					173	97.7	216	141	259	185	303	228	346	272	389	315	477	402			206	132
9								200	115	243	159	286	202	330	249	373	289	460	376	547	463	232	148	
10										227	133	270	177	313	220	357	263	444	350	531	437	258	165	
11												254	151	297	194	340	238	427	342	514	411	284	181	
12													280	168	324	212	411	299	498	386	310	197		
RT-160S		5	171																					