

SR Spring return actuators

Air pressure		2.5bar		3bar		3.5bar		4bar		4.5bar		5bar		5.5bar		6bar		7bar		8bar		Springs' output	
Modle	spring Q.ty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
PA50SR	5	4.9	3.4	6.6	5.1	8.2	6.8	9.9	8.4	11.6	10.1	13.2	11.7									4.9	3.4
	6	4.2	2.5	5.9	4.1	7.6	5.8	9.2	7.4	10.9	9.1	12.5	10.8	14.2	12.4							5.8	4.1
	7			5.2	3.2	6.9	4.8	8.5	6.5	10.2	8.1	11.9	9.8	13.5	11.5	15.2	13.1					6.8	4.7
	8					6.2	3.8	7.9	5.5	9.5	7.2	11.2	8.8	12.8	10.5	14.5	12.1	17.8	15.5			7.8	5.4
	9							7.2	4.5	8.9	6.2	10.5	7.8	12.2	9.5	13.8	11.2	17.2	14.5	20.5	17.8	8.8	6.1
	10									8.2	5.2	9.8	6.9	11.5	8.5	13.2	10.2	16.5	13.5	19.8	16.8	9.7	6.8
	11											9.2	5.9	10.8	7.6	12.5	9.2	15.8	12.5	19.1	15.9	10.7	7.4
PA63SR	5	9.1	6.2	12	9.1	15	12	17.9	15	20.8	17.9	23.7	20.8									8.5	5.5
	6	8	4.5	10.9	7.4	13.8	10.3	16.8	13.3	19.7	16.2	22.6	19.1	25.6	22.1							10.2	6.7
	7			9.8	5.7	12.7	8.7	15.7	11.6	18.6	14.5	21.5	17.4	24.5	20.4	27.4	23.3					11.8	7.8
	8					11.6	7	14.6	9.9	17.5	12.8	20.4	15.8	23.3	18.7	26.3	21.6	32.1	27.5			13.5	8.9
	9							13.4	8.2	16.4	11.1	19.3	14.1	22.2	17	25.2	19.9	31	25.8	36.9	31.6	15.2	10
	10									15.3	9.4	18.2	12.4	21.1	15.3	24.1	18.2	29.9	24.1	35.8	29.9	16.9	11.1
	11											17.1	10.7	20	13.6	22.9	16.5	28.8	22.4	34.7	28.2	18.6	12.2
PA75SR	5	18	11.7	23.8	17.6	29.6	23.4	35.4	29.2	41.2	35	47.1	40.8									17.3	11.1
	6	15.8	8.3	21.6	14.1	27.4	19.9	33.2	25.7	39	31.5	44.8	37.3	50.7	43.2							20.8	13.3
	7			19.4	10.6	25.2	16.4	31	22.3	36.8	28.1	42.6	33.9	48.4	39.7	54.3	45.5					24.2	15.5
	8					23	13	28.8	18.8	34.6	24.6	40.4	30.4	46.2	36.2	52	42	63.7	53.7			27.7	17.7
	9							26.6	16.3	32.4	21.1	38.2	27	44	32.8	49.8	38.6	61.5	50.2	73.1	61.8	31.1	19.9
	10									30.2	17.7	36	23.5	41.8	29.3	47.6	35.1	59.2	46.7	70.9	58.4	34.6	22.1
	11											33.8	20	39.6	25.8	45.4	31.7	57	43.3	68.7	54.9	38.1	24.3
PA88SR	5	27.4	16.8	36.5	26	45.7	35.1	54.8	44.3	63.9	53.4	73.1	62.6									28.9	18.3
	6	23.7	11.1	32.8	20.2	42	29.3	51.1	38.5	60.3	47.6	69.4	56.8	78.6	65.9							34.7	22
	7			29.2	14.4	38.3	23.6	47.5	32.7	56.6	41.9	65.7	51	74.9	60.1	84	69.3					40.4	25.7
	8					34.6	17.8	43.8	26.9	52.9	36.1	62.1	45.2	71.2	54.4	80.4	63.5	98.6	81.8			46.2	29.4
	9							40.1	21.2	49.3	30.3	58.4	39.5	67.5	48.6	76.7	57.7	95	76	113	94.3	52	33
	10									45.6	24.5	54.7	33.7	63.9	42.8	73	52	91.3	70.2	110	88.5	57.8	36.7
	11											51.1	27.9	60.2	37	69.3	46.2	87.6	64.5	106	82.8	63.5	40.4
PA100SR	5	41.1	27	54.4	40.3	67.7	53.6	81	66.8	94.2	80.1	108	93.4									39.4	25.3
	6	36.1	19.1	49.3	32.4	62.6	45.7	75.9	58.9	89.2	72.2	103	85.5	116	98.8							47.3	30.4
	7			44.3	24.5	57.6	37.8	70.8	51.1	84.1	64.3	97.4	77.6	111	90.9	124	104					55.2	35.4
	8					52.5	29.9	65.8	43.2	79.1	56.5	92.3	69.7	106	83	119	96.3	146	123			63.1	40.5
	9							60.7	35.3	74	48.6	87.3	61.9	101	75.1	114	88.4	140	115	167	142	71	45.5
	10									68.9	40.7	82.2	54	95.5	67.3	109	80.5	135	107	162	134	78.8	50.6
	11											77.2	46.1	90.5	59.4	104	72.7	130	99	157	126	86.7	55.6
PA125SR	5	85.9	55.9	114	84	141	111	169	139	197	167	224	194									82.5	52.5
	6	75.4	39.4	103	67	131	95	158	122	186	150	214	178	241	205							98.9	62.9
	7			92.6	50.6	120	78	148	106	176	134	203	161	231	189	259	217					115	73.4
	8					110	62	137	89.4	165	117	193	145	221	173	248	200	304	256			132	83.9
	9							127	72.9	155	101	182	128	210	156	238	184	293	239	348	294	148	94.4
	10									144	84	172	112	200	140	227	167	283	223	338	278	165	105
	11											161	95.3	189	123	217	151	272	206	327	261	181	115
PA145SR	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	336	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	390	315	477	402			206	132
	9							200	115	243	159	286	202	330	246	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	324	514	411	284	181
PA160SR	5	171	117	228	174	285	231	341	287	398	344	455	401									166	112
	6	149	84	206	141	262	197	319	254	376	311	432	367	489	424							199	135
	7			183	108	240	164	296	221	353	278	410	334	466	391	523	448					233	157
	8					217	131	274	188	331	244	387	301	444	358	501	414	614	528			266	179
	9							252	154	308	211	365	268	422	324	478	381	592	494	705	608	299	202
	10									286	178	343	235	399	291	456	348	569	461	683	575	332	224
	11											320	201	377	258	433	315	547	428	660	541	365	247
	12													354	225	411	281	524	395	638	508	399	269

Double acting actuators

Modle	2bar	2.5bar	3bar	3.5bar	4bar	4.5bar	5bar	5.5bar	6bar	7bar	8bar
PA32DA	3.1	3.8	4.6	5.3	6.1	6.9	7.6	8.4	9.2	10.7	12.2
PA40DA	4.8	6	7.2	8.4	9.5	10.7	11.9	13.1	14.3	16.7	19.1
PA50DA	6.6	8.3	10	11.6	13.3	15	16.6	18.3	19.9	23.3	26.6
PA63DA	11.8	14.7	17.6	20.5	23.5	26.4	29.3	32.2	35.2	41	46.9
PA75DA	23.3	29.1	34.9	40.7	46.5	52.3	58.2	64	69.8	81.4	93
PA88DA	36.6	45.7	54.9	64	73.2	82.3	91.5	101	110	128	146
PA100DA	53.2	66.5	79.7	93	106	120	133	146	160	186	213
PA125DA	110	138	166	194	221	249	277	304	332	387	443
PA145DA	174	217	261	304	348	391	434	478	521	608	695
PA160DA	226	283	340	397	453	510	567	623	680	793	907
PA180DA	306	383	459	536	612	689	765	842	918	1071	1224
PA200DA	425	531	638	744	850	956	1063	1169	1275	1488	1700
PA240DA	748	935	1122	1309	1496	1683	1870	2057	2244	2618	2992
PA265DA	1078	1347	1617	1886	2156	2425	2695	2964	3234	3772	4311
PA300DA	1526	1980	2289	2671	3052	3434	3815	4179	4578	5341	6104
PA350DA	2285	2856	3427	3999	4570	5141	5712	6283	6854	7997	9139
PA400DA	3256	4069	4883	5697	6511	7325	8139	8953	9767	11394	13021
PA500DA	8478	10598	12717	14837	16956	19076	21195	23315	25434	29673	33911
PA600DA	16278	20347	24417	28487	32556	36625	40694	44764	48833	56972	65111

Aluminum Pneumatic Actuator

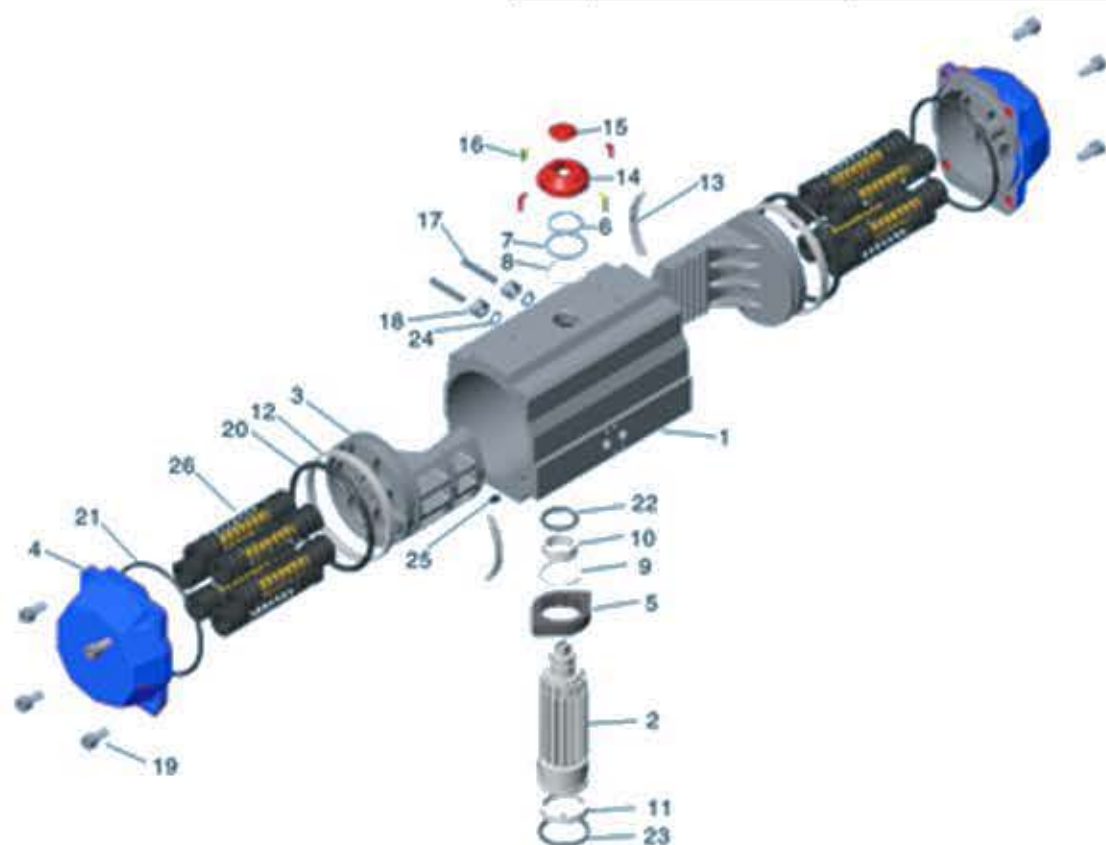
Summarize

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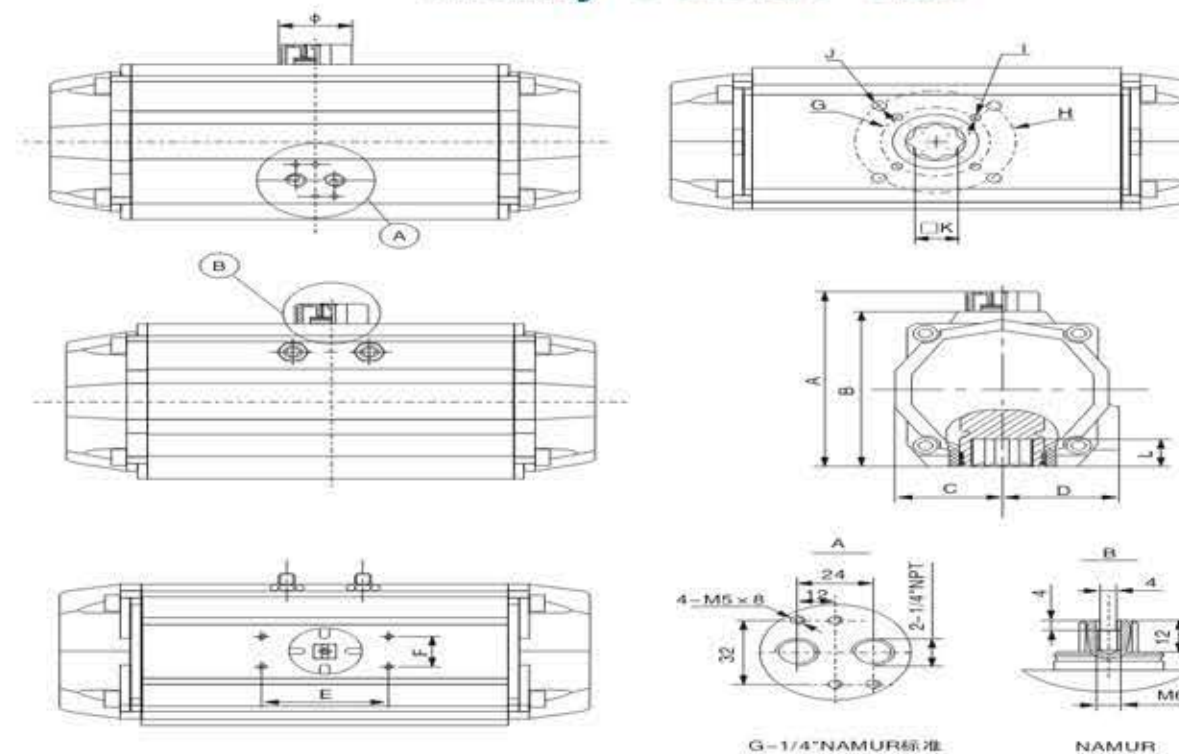
This product matches all kinds of angle travel valves like butterfly valves, ball valves etc. With features of ecoNomial use, space saving and modular design, it can be directly installed with other accessories (electromagnetic valve, signal switch box, electric valve localizer etc.) to enhance effectiveness and ecoNomial efficiency.

- Output torque:
4~2971Nm (single action)
8 ~ 6306Nm (double action)
- Opening time: 0.2 ~ 7.5s
- Closing time: 0.25 ~ 8.5s
- Compressed air: 2.5 ~ 8 Bar
- Working temperature:
-20°C ~ +80°C (standard)
-15°C ~ +150°C (high temperature)
-40°C ~ +80°C (low temperature)

NO.	description	standard material
1	body	aluminium alloys extruded profiles
2	pinion	alloy steel
3	piston	cast aluminium
4	end cap	cast aluminium
5	cam	stainless steel
6	spring clip	stainless steel
7	thrust washer	stainless steel
8	outside washer	POM
9	inside washer	POM
10	bearing(pinion top)	POM
11	bearing(pinion bottom)	POM
12	bearing(piston)	POM
13	guide(piston)	PA66
14	indicator	PA66
15	indicator screw	PA66
16	indicator cutting	PA66
17	adjust screw	alloy steel
18	nut(adjust screw)	stainless steel
19	cap screw	alloy steel
20	o-ring(piston)	NBR
21	o-ring(end cap)	NBR
22	o-ring(pinion top)	NBR
23	o-ring(pinion bottom)	NBR
24	o-ring(adjust screw)	NBR
25	plug	NBR
26	spring	stainless steel



Mainly Outside Size



Model	A	B	C	D	E	F	G	H	I	J	K	L	φ	Air connection
ABV50	89	69	29	41	80	30	φ36	φ50	4-M5	4-M6	□11×11	12	42	NAMUR G1/4"
ABV63	108	88	36	46	80	30	φ36	φ50	4-M5	4-M6	□14×14	16	42	NAMUR G1/4"
ABV75	121	101	42	53	80	30	φ50	φ70	4-M6	4-M8	□17×17	18	42	NAMUR G1/4"
ABV88	135	115	49	58	80	30	φ50	φ70	4-M6	4-M8	□17×17	18	46	NAMUR G1/4"
ABV100	146	128	55	70	80	30	φ50	φ102	4-M8	4-M10	□22×22	24	46	NAMUR G1/4"
ABV125	175	155	68.5	74	80	30	φ70	φ102	4-M8	4-M10	□27×27	28	56	NAMUR G1/4"
ABV145	196	178	79	81	130	30	φ70	φ125	4-M10	4-M12	□27×27	32	56	NAMUR G1/4"
ABV160	227	197	87	87	130	30	φ102	φ125	4-M10	4-M12	□27×27	32	68	NAMUR G1/4"
ABV180	250	220	98	98	130	30	φ102	φ140	4-M10	4-M16	□36×36	39	68	NAMUR G1/4"
ABV200	274	244	108	108	130	30	φ102	φ140	4-M10	4-M16	□36×36	39	78	NAMUR G1/4"
ABV240	330	300	180	180	130	30	φ125	φ165	4-M12	4-M20	□46×46	50	78	NAMUR G1/4"