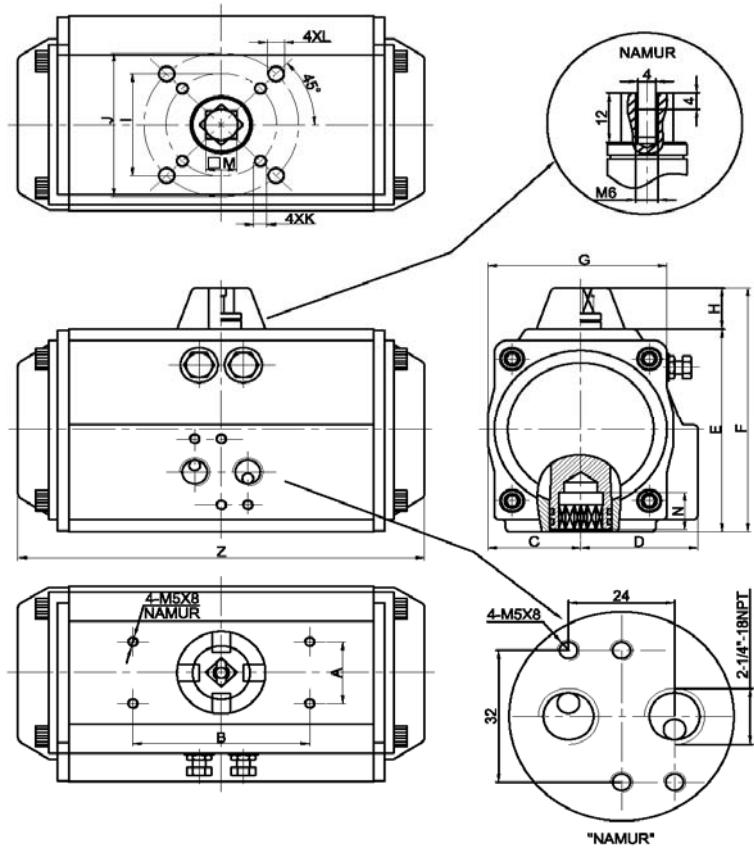
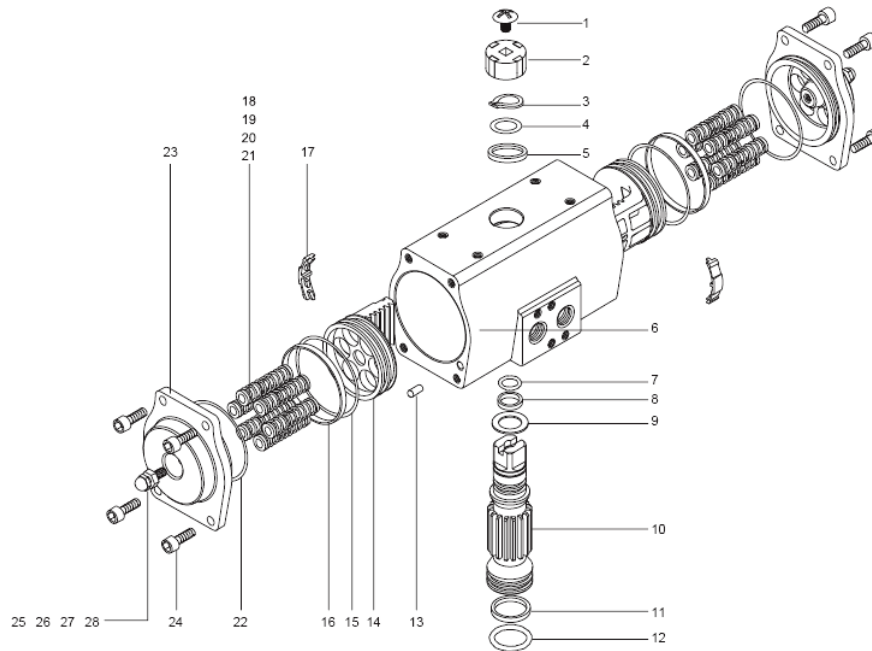


Dimension Drawings



Dimension table

Model	A	B	C	D	E	F	G	H	I	I - 1	J	J-1	K	L	M	N	Z	Air Connection
SS45	1.18	3.14	1.26	1.38	2.56	3.35	2.52	0.78	1.42	F-03	1.97	F-05	M5 X 8	M6 X 10	0.43	0.55	7.09	1/4" NPT
SS60	1.18	1.46	1.46	1.54	3.19	3.98	2.91	0.78			1.97	F-05		M6 X 10	0.55	0.71	7.09	1/4" NPT
SS85	1.18	1.99	1.99	2.05	4.25	5.04	3.98	0.78	1.97	F-05	2.76	F-07	M6 X 10	M8 X 13	0.67	0.83	8.39	1/4" NPT
SS105	1.18	2.32	2.32	2.36	5.24	6.02	4.65	0.78			2.76	F-07		M8 X 13	0.87	1.02	10.47	1/4" NPT
SS125	1.18	5.11	2.72	2.72	6.1	7.28	5.43	0.78	2.76	F-07	4.02	F-10	M8 X 13	M10 X 16	0.87	1.02	11.73	1/4" NPT
SS140	1.18	5.11	3.01	3.03	6.73	7.91	6.02	0.78	4.02	F-10	4.92	F-12	M10 X 16	M12 X 20	1.06	1.22	14.49	1/4" NPT
SS160	1.18	5.11	3.43	3.43	7.76	8.94	6.85	0.78	4.02	F-10	4.92	F-12	M10 X 16	M12 X 20	1.06	1.22	14.76	1/4" NPT



No.	Description	Qty	Standards Material
1	Indicator screw	1	Stainless steel
2	Indicator	1	Plastic
3	Snap ring	1	Stainless steel
4	Washer	1	Stainless steel
5	Outside washer	1	Polyoxymethylene
6	Body	1	Stainless steel
7	O-ring(Top)	1	Viton/NBR
8	Bearing top	1	Polyoxymethylene
9	Inside washer	1	Polyoxymethylene
10	Pinion	1	Stainless steel
11	Bearing bottom	1	Polyoxymethylene
12	O-ring bottom	1	Viton/NBR
13	Plug	2	NBR
14	Piston	2	Stainless steel
15	Piston o-ring	2	Viton/NBR
16	Piston bearing	2	Polyoxymethylene
17	Guide piston	2	Nylon66
18	Spring	*	Spring steel
19	Spring retainer(L)	*	Nylon66
20	Spring retainer(R)	*	Nylon66
21	Retainer connector	*	Brass
22	End-cap O-ring	2	Viton/NBR
23	End-cap	2	Stainless steel
24	End-cap Stop screw	8	Stainless steel
25	Adjust screw	2	Stainless steel
26	Adjust screw nut	2	Stainless steel
27	Adjust screw washer	2	Stainless steel
28	Adjust screw O-ring	2	Viton/NBR



Output Torque for Double Acting Actuators

Torque Output (Inch Lbs)					
Series No.	40 PSI 3 BAR	60 PSI 4.5 BAR	80 PSI 5.5 BAR	100 PSI 7 BAR	120 PSI 8 BAR
SS45DA	81	107	147	359	214
SS60DA	189	251	346	845	503
SS85DA	409	545	751	1834	1091
SS105DA	874	1165	1601	3913	2329
SS125DA	1363	1814	2496	6103	3629
SS140DA	2328	3107	4266	10438	6213
SS160DA	3549	4735	6505	15895	9462

Output Torque for Spring Return Actuators

Series No.	Number of Springs	Closing Torque (Spring)		Torque Output (Inch Lbs)									
		Start	End	40 PSI / 3 BAR		60 PSI / 4.5 BAR		80 PSI / 5.5 BAR		100 PSI / 7 BAR		120 PSI / 8 BAR	
				Start	End	Start	End	Start	End	Start	End	Start	End
SS45SR	6	49	31	48	30								
	8	65	41	38	12	64	39	91	65				
	10	81	51			54	22	80	48	133	102	161	129
	12	98	62					70	31	123	85	150	112
SS60SR	6	102	65	113	72								
	8	148	96	87	33	150	95.59	213	160				
	10	186	121			124	57	195	120	319	248	376	309
	12	221	145					162	81	287	206	349	269
SS85SR	6	244	168	239	151								
	8	326	230	173	65	310	204	451	345				
	10	407	283			257	124	389	257	664	531	800	663
	12	496	336					336	168	602	443	743	58
SS105SR	6	531	336	522	327								
	8	699	451	497	142	699	434	991	721				
	10	871	558			575	248	867	540	1452	1213	1744	1416
	12	1053	673					748	363	1337	938	1629	1230
SS125SR	6	841	558	780	488								
	8	1115	743	584	195	1037	646	1487	1098				
	10	1390	929					1292	805	2205	1717	2655	2168
	12	1673	1115					1098	513	2009	1425	2461	1876
SS140SR	6	1373	912	1372	894								
	8	1832	1221	1053	407	1832	1186	2611	1965				
	10	2284	1522			1514	708	2292	1478	3841	3036	4620	3815
	12	2744	1823					1974	1009	3523	2558	4302	3337
SS160SR	6	2213	1487	1991	1221								
	8	2947	1974	1469	451	2655	1637	3832	2815				
	10	3691	2469			2133	859	3310	2036	5673	4399	6860	5585
	12	4426	2965					2797	1257	5151	3620	6346	4806

Note: Torques are in inch pounds.