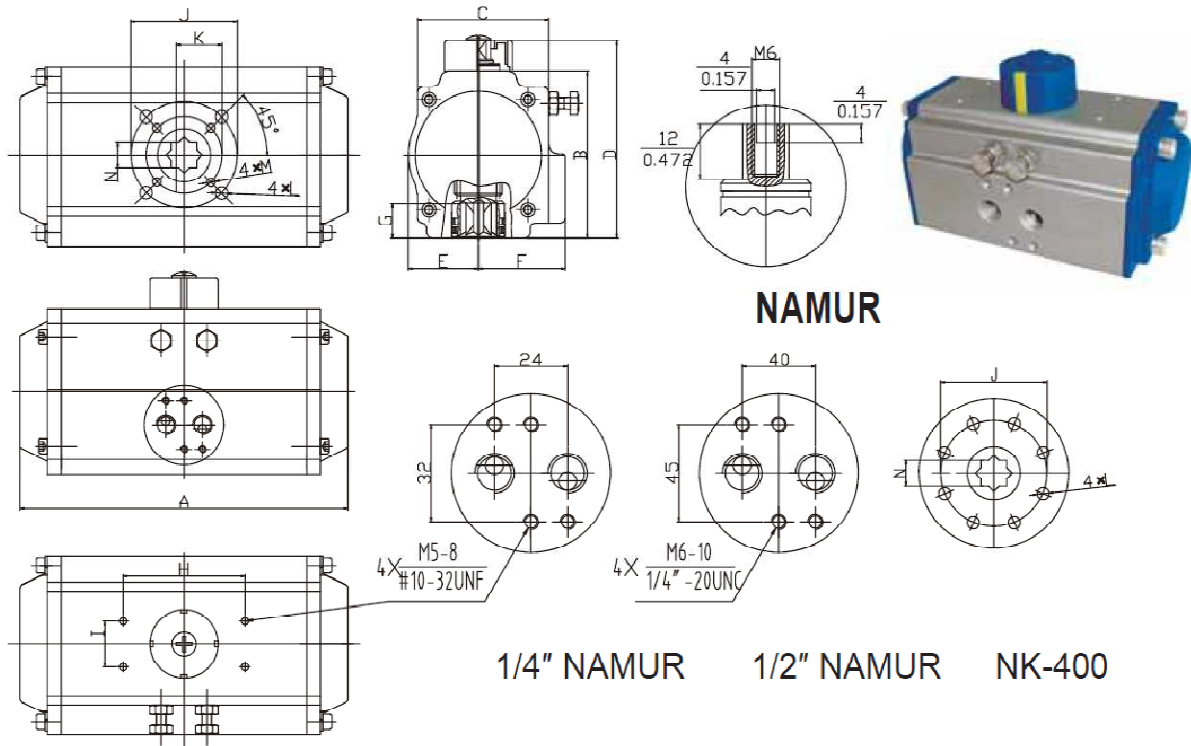




Unit: mm
inch

Model	A	B	C	D	E	F	G	H	I	N	J	K	L	M	Air Connection
NK-032	110	45	45	65	22.5	22.5	11	50	25	9	F03	---	M5*7.5	---	1/8"
	4.33	1.77	1.77	2.65	0.89	0.89	0.89	1.97	0.98	0.35			#10-24UNF	---	
NK-052	146	72	60	92	26	41.5	14	80	30	11	F05	F03	M6*10	M5*7.5	1/8" or 1/4"(std)
	5.74	2.83	2.36	3.62	1.02	16.33	0.55	3.15	1.18	0.43			1/4"-20UNC	#10-24UNF	
NK-063	169	88	69.5	108	33.5	47	17	80	30	14	F07	F05	M8*13	M6*10	1/8" or 1/4"(std)
	6.65	3.46	2.736	2.25	1.31	1.85	0.66	3.15	1.18	0.55			5/16"-20UNC	1/4"-20UNC	
NK-075	186	100	78	120	39	53	17	80	30	14	F07	F05	M8*13	M6*10	1/8" or 1/4"(std)
	7.32	3.93	3.07	4.72	1.53	2.08	0.66	3.15	1.18	0.55			5/16"-20UNC	1/4"-20UNC	
NK-083	210	109	86	129	40	57	20	80	30	17	F07	F05	M8*13	M6*10	1/8" or 1/4"(std)
	8.26	4.29	3.38	5.07	1.57	2.24	0.79	3.15	1.18	0.67			5/16" 20UNC	1/4" 20UNC	
NK-092	204	117	90.5	137	44.5	58.5	20	80	30	17	F07	F05	M8*13	M6*10	1/8" or 1/4"(std)
	10.39	4.6	3.56	5.39	1.75	2.3	0.79	3.15	1.18	0.67			5/16"-20UNC	1/4"-20UNC	
NK-105	272	133	104	153	52	64	26	80	30	22	F10	F07	M10*16	M8*13	1/4"
	10.7	5.23	4.09	6.02	2.04	2.51	1.02	3.15	1.18	0.87			3/8"-20UNC	5/16"-20UNC	
NK-125	302	155	120	185	60	74.5	25	130	30	22	F10	F07	M10*16	M8*13	1/4"
	11.88	6.1	4.72	7.28	2.36	2.93	0.98	5.11	1.18	0.87			3/8"-20UNC	5/16"-20UNC	
NK-140	398	172	125	202	65	77	30	130	30	27	F12	F10	M12*20	M10*16	1/4"
	15.66	6.77	4.92	7.95	2.55	3.03	1.18	5.11	1.18	1.06			1/2"-20UNC	3/8"-20UNC	
NK-160	456	197	142	227	74	87	30	130	30	27	F12	F10	M12*20	M10*16	1/4"
	17.95	7.75	5.59	8.93	2.91	3.42	1.18	5.11	1.18	1.06			1/2" 20UNC	3/8" 20UNC	
NK-190	534	230	172	260	86	103	40	130	30	36	F14	---	M16*20	---	1/4"
	21.02	9.05	6.77	10.23	3.38	4.05	1.57	5.11	1.18	1.42			5/8"-20UNC	---	
NK-210	536	255	194	285	97	113	43	130	30	36	F14	---	M16*20	---	1/4"
	21.1	10.03	7.63	1.12	3.81	4.44	1.69	5.11	1.18	1.42			5/8"-20UNC	---	
NK-240	612	290	230	320	115	130	50	130	30	46	F16	---	M20*25	---	1/4" or 3/8"(std)
	24.09	11.41	9.05	12.59	4.52	5.11	1.97	5.11	1.18	1.81			3/4"-20UNC	---	
NK-270	718	330	252	360	126	147	50	130	30	46	F16	---	M20*25	---	1/4" or 3/8"(std)
	28.26	12.99	9.92	14.17	4.96	5.78	1.97	5.11	1.18	1.81			3/4"-20UNC	---	
NK-300	784	354	335	384	162	173	50	130	30	46	F16	---	M20*25	---	1/2"
	30.86	13.93	13.2	15.11	6.37	6.8	1.97	5.11	1.18	1.81			3/4"-20UNC	---	
NK-350	845	410	385	440	190	195	50	130	30	46	F16	---	M20*25	---	1/2"
	33.26	16.14	15.15	17.32	7.48	7.67	1.97	5.11	1.18	1.81			3/4"-20UNC	---	
NK-400	956	466	520	496	260	260	60	130	30	55	F25	---	M16*20	---	1/2"
	37.63	18.34	20.47	19.52	10.23	10.23	2.36	5.11	1.18	2.16			5/8"-20UNC	---	



Model	Spring Set	Spring Torque (Nm)		Air Torque Output(Nm)													
				2.5		3.0		4.0		5.0		6.0		7.0		8.0	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
NKS-052	5	4.3	6.2	5.7	3.8	7.6	5.7	---	---	---	---	---	---	---	---	---	---
	6	5.0	7.4	4.9	2.5	6.9	4.5	10.9	8.5	---	---	---	---	---	---	---	---
	7	5.9	8.6	4.0	1.3	6.0	3.3	9.8	7.3	14.0	10.4	---	---	---	---	---	---
	8	6.7	9.9	---	---	5.2	2.0	9.2	6.0	13.2	9.1	17.2	14.1	---	---	---	---
	9	7.6	11.1	---	---	4.3	0.8	8.3	4.8	12.3	7.9	16.3	12.8	20.3	16.8	---	---
	10	8.5	12.4	---	---	---	---	7.4	3.6	11.5	6.7	15.5	11.6	19.5	15.6	---	---
	11	9.3	13.6	---	---	---	---	6.6	2.3	10.6	5.4	14.6	10.4	18.6	14.3	22.6	18.3
NKS-063	12	10.2	14.8	---	---	---	---	---	---	9.7	4.2	13.8	9.1	17.8	12.2	21.8	17.1
	5	6.8	10.4	14.1	7.7	15.0	11.4	22.3	14.9	---	---	---	---	---	---	---	---
	6	8.2	12.5	10.1	5.7	13.6	9.3	20.9	16.6	28.3	23.9	---	---	---	---	---	---
	7	9.6	14.6	8.6	3.6	12.5	7.2	19.5	14.5	26.8	21.9	---	---	---	---	---	---
	8	10.9	16.7	---	---	10.9	5.1	18.2	12.4	25.5	19.8	32.8	27.0	40.1	34.3	---	---
	9	12.3	18.8	---	---	---	---	16.8	10.4	24.1	17.7	31.4	24.9	38.7	32.2	---	---
	10	13.7	20.9	---	---	---	---	11.4	8.2	22.8	15.6	30.0	22.8	37.3	30.1	44.7	37.4
NKS-075	11	15.0	22.9	---	---	---	---	---	---	21.5	13.5	28.7	20.7	36.0	28.0	43.3	35.3
	12	16.4	25.0	---	---	---	---	---	---	20.0	11.4	27.3	18.6	34.6	25.9	41.9	33.3
	5	10.5	14.5	14.5	10.6	19.4	15.5	29.5	25.7	---	---	---	---	---	---	---	---
	6	12.7	17.4	12.4	7.6	17.3	12.6	27.4	22.7	37.5	32.8	---	---	---	---	---	---
	7	14.8	20.3	10.4	4.8	15.2	9.7	25.3	19.9	35.4	29.9	---	---	---	---	---	---
	8	16.9	23.2	---	---	13.1	6.8	23.1	16.9	33.3	27.0	43.2	37.0	53.3	47.0	---	---
	9	19.0	26.1	---	---	---	---	21.0	14.1	31.2	24.1	41.1	34.1	51.2	44.2	---	---
NKS-083	10	21.1	29.0	---	---	---	---	19.0	11.1	28.8	21.2	39.0	31.2	49.1	41.2	59.1	51.2
	11	23.2	31.9	---	---	---	---	---	---	27.0	18.3	37.0	28.3	47.0	38.4	57.0	48.4
	12	25.3	34.7	---	---	---	---	---	---	24.9	15.4	34.9	25.4	44.9	35.4	54.9	45.4
	5	15.8	23.0	23.7	16.1	31.1	24.0	46.8	37.9	---	---	---	---	---	---	---	---
	6	19.0	27.6	20.1	11.5	28.0	19.3	43.7	35.1	59.4	50.7	---	---	---	---	---	---
	7	22.1	32.2	17.0	6.9	24.8	14.8	40.5	30.5	56.2	46.2	---	---	---	---	---	---
	8	25.3	36.8	---	---	21.7	10.1	37.4	25.8	53.1	41.5	68.8	57.2	84.5	72.9	---	---
NKS-092	9	28.5	41.4	---	---	---	---	34.2	21.3	49.9	37.0	65.6	52.6	81.2	68.3	---	---
	10	31.6	46.0	---	---	---	---	31.0	16.6	46.7	32.3	62.4	48.0	78.1	63.7	93.8	79.3
	11	34.8	50.6	---	---	---	---	---	---	43.6	27.7	59.3	43.4	75.0	59.1	90.6	74.8
	12	38.0	55.2	---	---	---	---	---	---	40.4	23.2	56.1	38.9	71.7	54.5	87.4	70.2
	5	23.3	34.4	33.1	22.0	44.2	33.2	66.8	55.9	---	---	---	---	---	---	---	---
	6	28.0	41.2	28.4	15.2	39.6	26.4	62.2	49.0	84.8	71.6	---	---	---	---	---	---
	7	32.7	48.1	23.8	8.2	34.9	19.4	57.5	42.1	80.2	64.7	---	---	---	---	---	---
NKS-105	8	37.3	55.0	---	---	31.3	12.6	52.9	35.2	75.5	57.9	98.1	80.5	120.7	103.0	---	---
	9	42.0	61.9	---	---	---	---	48.2	28.4	70.9	51.0	93.5	73.6	116.0	96.1	---	---
	10	46.7	68.7	---	---	---	---	43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8
	11	51.4	75.6	---	---	---	---	---	---	61.5	37.2	84.1	59.9	106.6	82.4	129.2	105.0
	12	56.0	82.5	---	---	---	---	---	---	56.8	30.4	79.4	53.0	101.9	75.5	124.5	98.1
	5	31.6	49.2	51.0	33.4	67.5	49.9	100.6	83.0	---	---	---	---	---	---	---	---
	6	38.0	59.1	44.7	23.5	61.1	40.0	94.2	73.2	127.3	106.2	---	---	---	---	---	---
NKS-125	7	44.3	68.9	38.4	13.7	54.9	30.3	87.9	63.4	121.0	96.4	---	---	---	---	---	---
	8	50.6	78.7	---	---	48.5	20.4	81.6	53.6	114.7	86.6	147.7	119.6	180.8	152.7	---	---
	9	56.9	88.6	---	---	---	---	75.3	43.7	108.4	76.8	141.5	109.8	174.5	142.9	---	---
	10	63.3	98.4	---	---	---	---	68.9	33.4	102.0	66.5	135.1	99.6	168.2	132.6	201.2	165.7
	11	69.6	108.3	---	---	---	---	---	---	95.7	57.0	128.7	90.1	161.8	123.1	194.8	156.2
	12	75.9	118.1	---	---	---	---	---	---	89.4	47.5	122.5	80.6	155.5	113.6	188.6	146.7
	5	52	79	73	47	98	72	148	122	---	---	---	---	---	---	---	---
NKS-140	6	63	94	63	31	88	56	138	107	188	157	---	---	---	---	---	---
	7	73	110	52	15	77	40	127	90	178	141	---	---	---	---	---	---
	8	84	125	---	---	67	25	117	75	167	125	---	176	268	226	---	---
	9	94	141	---	---	---	---	107	59	157	109	207	159	257	210	---	---
	10	105	157	---	---	---	---	96	44	146	94	196	144	247	194	297	245
	11	115	173	---	---	---	---	---	---	136	78	186	128	236	178	286	228
	12	125	188	---	---	---	---	---	---	125	63	176	113	226	163	276	213
NKS-140	5	86	129	128	85	171	127	256	213	---	---	---	---	---	---	---	---
	6	103	155	111	59	154	102	239	187	325	273	---	---	---	---	---	---
	7	120	181	94	33	137	76	222	162	308	247	---	---	---	---	---	---
	8	137	206	---	---	120	50	205	136	291	221	376	307	462	392	---	---
	9	155	232	---	---	---	---	187	110	273	196	358	281	444	367	---	---
	10	172	258	---	---	---	---	170	84	256	169	341	255	427	340	512	426
	11	189	284	---	---	---	---	---	---	238	143	324	229	409	314	495	400
NKS-140	12	206	310	---	---	---	---	---	---	221	118	307	203	392	289	478	374



Model	Spring Set	Spring Torque (Nm)		Air Torque Output(Nm)													
				2.5		3.0		4.0		5.0		6.0		7.0		8.0	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
NKS-160	5	140	208	193	124	259	191	392	324	---	---	---	---	---	---	---	---
	6	168	250	165	83	232	149	365	282	498	415	---	---	---	---	---	---
	7	196	292	137	41	203	107	336	240	469	373	---	---	---	---	---	---
	8	223	333	---	---	176	66	309	199	442	332	575	465	708	598	---	---
	9	251	375	---	---	---	---	280	157	413	290	546	423	679	556	---	---
	10	279	417	---	---	---	---	253	115	386	248	519	381	652	514	785	647
	11	307	458	---	---	---	---	---	---	358	207	491	340	624	473	757	606
NKS-190	5	200	309	332	222	438	329	651	542	---	---	---	---	---	---	---	---
	6	240	371	292	161	398	267	611	480	824	693	---	---	---	---	---	---
	7	280	433	252	99	358	205	571	418	784	631	---	---	---	---	---	---
	8	320	495	---	---	318	143	531	356	744	569	957	782	1169	995	---	---
	9	360	557	---	---	---	---	491	295	704	507	917	720	1130	933	---	---
	10	400	618	---	---	---	---	451	233	664	446	877	658	1090	871	1302	1084
	11	440	680	---	---	---	---	---	---	624	384	837	597	1050	809	1263	1022
NKS-210	5	275	380	390	285	523	418	789	684	---	---	---	---	---	---	---	---
	6	330	456	335	209	468	342	734	608	1000	874	---	---	---	---	---	---
	7	385	532	280	133	413	266	679	532	945	798	---	---	---	---	---	---
	8	440	608	---	---	358	190	624	456	890	722	1156	988	1422	1254	---	---
	9	495	684	---	---	---	---	569	380	835	646	1101	912	1367	1178	---	---
	10	550	760	---	---	---	---	514	304	780	570	1046	836	1312	1102	1578	1368
	11	605	836	---	---	---	---	---	---	725	494	991	760	1257	1026	1523	1292
NKS-240	5	410	554	552	409	744	600	1129	985	---	---	---	---	---	---	---	---
	6	490	665	470	297	662	489	1047	874	1432	1259	---	---	---	---	---	---
	7	575	775	388	187	580	379	964	764	1349	1149	---	---	---	---	---	---
	8	656	886	---	---	498	268	883	653	1267	1037	1652	1422	2037	1807	---	---
	9	739	998	---	---	---	---	800	542	1185	926	1569	1311	1954	1696	---	---
	10	821	1108	---	---	---	---	718	431	1103	816	1488	1201	1872	1586	2257	1970
	11	903	1219	---	---	---	---	---	---	1021	705	1406	1090	1791	1471	2176	1859
NKS-270	5	560	787	903	675	1195	968	1779	1552	---	---	---	---	---	---	---	---
	6	672	943	790	519	1083	811	1667	1396	2252	1981	---	---	---	---	---	---
	7	783	1101	679	361	972	654	1556	1238	2141	1823	---	---	---	---	---	---
	8	895	1258	---	---	860	479	1444	1081	2029	1666	2614	2252	3199	2836	---	---
	9	1007	1416	---	---	---	---	1332	923	1917	1509	2502	2094	3087	2678	---	---
	10	1119	1572	---	---	---	---	1220	767	1805	1352	2390	1937	2974	2521	3560	3107
	11	1231	1730	---	---	---	---	---	---	1693	1197	2278	1779	2862	2364	3448	2949
NKS-300	5	691	1032	988	647	1338	998	2038	1697	---	---	---	---	---	---	---	---
	6	829	1238	849	440	1200	791	1900	1491	2600	2191	---	---	---	---	---	---
	7	968	1445	---	---	1062	585	1762	1285	2461	1984	---	---	---	---	---	---
	8	1106	1651	---	---	---	---	1623	1078	2323	1778	3023	2478	4423	3178	---	---
	9	1244	1857	---	---	---	---	1485	872	2185	1572	2885	2271	4284	2971	---	---
	10	1382	2064	---	---	---	---	---	---	2047	1365	2747	2065	4146	2765	4146	3465
	11	1520	2270	---	---	---	---	---	---	1909	1159	2608	1859	4008	2558	4008	3258
NKS-350	5	994	1476	1498	1017	2018	1536	3056	2575	---	---	---	---	---	---	---	---
	6	1193	1771	---	---	1819	1241	2857	2280	3896	3318	---	---	---	---	---	---
	7	1392	2066	---	---	1620	946	2658	1985	3697	3023	---	---	---	---	---	---
	8	1591	2361	---	---	---	---	2460	1690	3498	2728	4537	3767	5575	4805	---	---
	9	1790	2656	---	---	---	---	2261	1395	3299	2433	4338	3472	5376	4510	---	---
	10	1989	2951	---	---	---	---	2062	1100	3100	2138	4139	3177	5177	4215	6216	5254
	11	2188	3246	---	---	---	---	---	---	2902	1843	3940	2882	4979	3920	6017	4959
NKS-400	5	1471	2148	2328	1651	3119	2442	4701	4024	---	---	---	---	---	---	---	---
	6	1765	2577	---	---	2825	2012	4407	3595	5990	5177	---	---	---	---	---	---
	7	2059	3007	---	---	2531	1583	4113	3165	5696	4748	---	---	---	---	---	---
	8	2353	3436	---	---	---	---	3819	2736	5402	4318	6984	5901	8567	7483	---	---
	9	2647	3866	---	---	---	---	3525	2306	5108	3889	6690	5471	8273	7054	---	---
	10	2941	4295	---	---	---	---	3231	1877	4813	3459	6396	5042	7979	6624	9561	8207
	11	3235	4725	---	---	---	---	---	---	4519	3030	6102	4612	7685	6195	9267	7777
NKS-400	12	3529	5154	---	---	---	---	---	---	4225	2600	5808	4183	7390	5765	8973	7348