

Pnömatik Aktüatör



Ürün Kodu / Product Code

TKC70DA-70SA

Gövde	Alüminyum Ekstrüzyon
Vana Bağlantı	TS EN ISO 5211
Şaft	Kadmiyum Kaplı Çelik
Pistonlar	Alüminyum Döküm
Sızdırmazlık	Nitril Kauçuk
Valf Bağlantı	Namur

PNÖMATİK AKTÜATÖR

Pnömatik Aktüatör, basınçlı hava tesisatından sağlanan enerjinin mekanik harekete dönüştürülmesiyle, vana kontrolünde otomasyon özelliğini gerçekleştiren kontrol elemanıdır. Çift Etkili ve Tek Etkili (yay dönüşlü) olarak iki tipi vardır.

KULLANIM

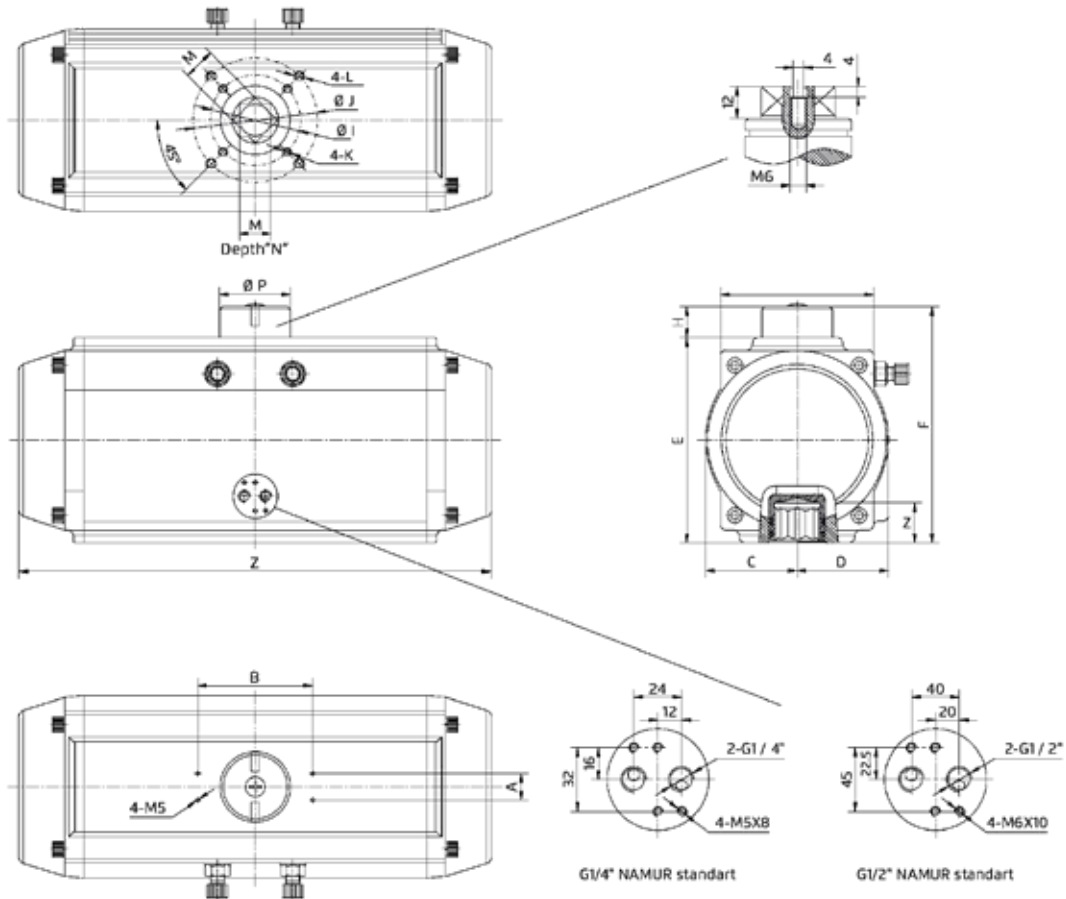
- Kelebek Vanalar (DN40-DN400)
- Küresel Vanalar (DN15-DN150)

ÇALIŞMA ORTAMI

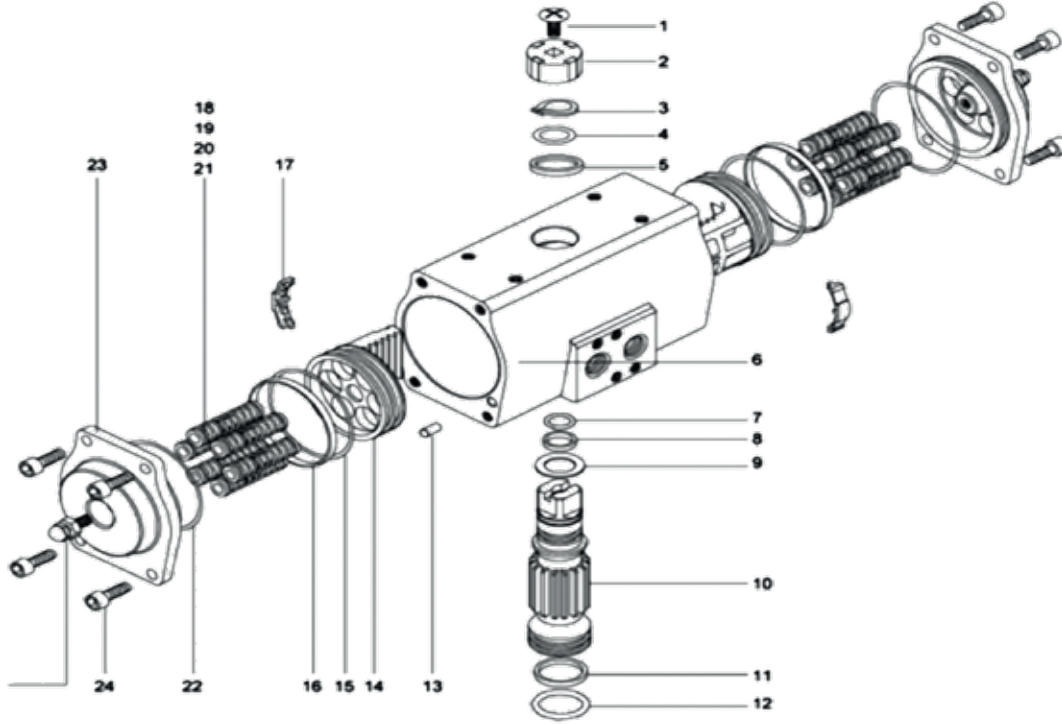
- Hava veya aşındırıcı olmayan gazlar

KURULUM

Alt parçanın montajı uluslararası ISO5211 standartlarına uygundur. Alt ve delikler arasında iki kare flanş bağlantısı vardır. Çift etkili aktüatörlerde vananın açık-kapalı veya oransal kontrolü için mutlaka hava basıncının yönlendirilmesi gerekir. Tek etkili aktüatörlerde önyüklemeli yaylar, korozyona karşı kaplanmış olup kartuş tipi tasarımları ile standart tek etkili aktüatöre uygun kapaklara kolaylıkla ilave edilebilirler.



MODEL	A	B	C	D	E	F	G	H	I	I-1	J	J-1	K	L	M	N	P	Z	AIR
AT-40	30	50	22	34	60	88	45	28	36	F03	50	F05	M5X8	M6X10	9	12	40	113	1/8"
AT-52	30	80	30	42,5	72,4	100,4	50,5	28	36	F03	50	F05	M5X8	M6X10	11	14	40	150	1/4"
AT-63	30	80	36	47	88,5	106,5	69,5	28	50	F05	70	F07	M6X10	M8X13	14	18	40	171	1/4"
AT-75	30	80	42,5	53	100	128	78	28	50	F05	70	F07	M6X10	M8X13	14	18	40	186	1/4"
AT-83	30	80	46,5	57	109,5	137,5	86	28	50	F05	70	F07	M6X10	M8X13	17	21	40	206	1/4"
AT-92	30	80	50	58	117	145	90	28	50	F05	70	F10	M6X10	M10X16	17	21	40	265	1/4"
AT-105	30	80	57,5	64	135	163	104,5	28	70	F07	102	F10	M8X13	M10X16	22	26	40	272	1/4"
AT-125	30	80	67,5	74,5	157	185	120,5	28	70	F07	102	F10	M8X13	M10X16	22	26	55	304	1/4"
AT-140	30	80	75,5	75,5	174	202	125	28	102	F10	125	F12	M10X16	M12X20	27	32	55	395	1/4"
AT-160	30	130	87	87	198	246	143	28	102	F10	125	F12	M10X16	M12X20	27	32	55	462	1/4"
AT-190	30	130	103	103	232	260	172	38	102	F10	140	F14	M10X16	M16X25	36	40	80	520	1/4"
AT-210	30	130	103	103	257	297	172	40	102	F10	140	F14	M10X16	M16X25	36	40	90	560	1/4"



MODEL	3 bar	3.5 bar	4 bar	4.5 bar	5 bar	5.5 bar	6 bar	6.5 bar	7 bar
BT-40	5.7	6.7	7.6	8.6	9.5	10.5	11.4	13.3	15.2
BT-52	12.0	14.0	16.0	18.0	20.0	22.0	24.0	28.0	32.0
BT-63	21.0	24.5	28.0	31.5	35.0	38.5	42.0	49.0	56.0
BT-75	30.0	35.0	40.0	45.0	50.0	55.0	60.0	70.0	80.0
BT-83	45.7	53.3	61.0	68.6	76.2	83.8	91.4	106.7	121.9
BT-92	67.4	78.7	89.9	101.2	112.4	123.6	134.9	157.4	179.8
BT-105	97.6	113.9	130.2	146.4	162.7	179.0	195.2	227.8	260.3
BT-125	152.2	177.6	203.0	228.3	253.7	279.1	304.4	355.2	405.9
BT-140	260.3	303.7	347.0	390.4	433.8	477.2	520.6	607.3	694.1
BT-160	396.6	462.7	528.8	594.9	661.0	727.1	793.2	925.4	1057.6
BT-190	639.3	745.9	852.4	959.0	1065.5	1172.1	1278.6	1491.7	1704.8
BT-210	781.0	911.2	1041.4	1171.5	1301.7	1431.9	1562.0	1822.4	2082.7



TKC

directs to fluid

Tek Etkili Pnömatik Aktüatör Tork Değerleri Single Acting Output Torque (Nm)

MODEL		2.5 bar		3 bar		3.5 bar		4 bar		4.5 bar		5 bar		5.5 bar		6 bar		7 bar		8 bar	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
SA52	5	4.6	2.3	6.3	4	7.9	5.6	9.6	7.3	11.3	9	12.9	10.6	13.9	11.1						
	6	3.9	1.1	5.6	2.8	7.2	4.4	8.9	6.1	10.6	7.8	12.2	9.4	13.1	9.9						
	7			4.8	1.6	6.4	3.2	8.1	4.9	9.8	6.6	11.4	8.2	13.1	9.9	14.8	11.6				
	8					5.7	2	7.4	3.7	9.1	5.4	10.7	7	12.4	8.7	14.1	10.4	17.4	13.7	20	15.8
	9							6.7	2.5	8.4	4.2	10	5.8	11.7	7.5	13.4	9.2	16.7	12.5	19.2	14.6
	10									7.6	3	9.2	4.6	10.9	6.3	12.6	8	15.9	11.3	18.5	13.4
	11											8.5	3.4	10.2	5.1	11.9	6.8	15.2	10.1	18.5	13.4
SA63	5	8.1	4	11.1	7	14	9.9	16.9	12.8	19.9	15.8	22.8	18.7	24.4	19.5	26.1	20.4	30.6	24	35.3	28
	6	6.8	1.9	9.8	2.8	12.7	7.8	15.6	10.7	18.6	13.7	21.5	16.6	23.1	17.4	24.8	18.2	29.3	22	34	25.8
	7			8.5	2.8	11.4	5.7	14.3	8.6	17.3	11.6	20.2	14.5	21.8	15.2	23.5	16.2	28.6	22	34	25.8
	8					10.1	3.5	13	6.4	16	9.4	18.9	12.3	20.5	13.2	23.5	16.2	29.3	22	34	25.8
	9					11.7	4.4	14.7	7.4	17.6	10.3	21.8	15.2	23.5	13.2	22.2	14	28	19.8	17.7	23.7
	10									16.3	8.1	19.2	11	22.2	11	22.2	14	28	19.8	17.7	23.7
	11									15	6	17.9	8.9	20.9	11.9	20.9	11.9	25.4	15.6	31.4	21.6
SA75	5	16.1	8	22.1	14	27.8	19.7	33.6	25.5	39.4	31.3	45.2	37.1	48.5	38.8	51.7	40.3	60.8	47.8	69.8	55.2
	6	13.5	3.8	19.5	9.8	25.2	15.5	31	21.3	36.8	27.1	42.6	32.9	46	34.6	51.7	40.3	60.8	47.8	69.8	55.2
	7			17	5.6	22.7	11.3	28.5	17.1	34.3	22.9	40.1	28.7	46	34.6	51.7	40.3	60.8	47.8	69.8	55.2
	8					20.1	7.1	25.9	12.9	31.7	18.7	37.5	24.5	43.4	30.4	49.1	36.1	58.2	43.6	67.2	51
	9							23.3	8.7	26.5	10.3	32.3	16.1	38.2	22	43.9	27.7	55.6	39.4	64.7	46.8
	10											29.8	11.9	35.7	17.8	41.4	23.5	53.1	35.2	64.7	46.8
	11													33.1	13.6	38.8	19.3	50.5	31	62.1	42.6
SA83	5	25.5	12.7	34.8	22	43.8	31	53	40.2	62.1	49.3	71.2	58.4	76.7	61.4	81.7	63.7	95.6	75.1	110	86.5
	6	21.4	6.1	30.7	15.4	39.7	24.4	48.9	33.6	58	42.7	67.1	51.8	72.7	54.7	77.6	57.1	91.6	68.5	106	80
	7			26.7	8.7	35.7	17.7	44.9	26.9	54	36	63.1	45.1	77.6	54.7	81.7	63.7	95.6	75.1	110	86.5
	8					31.6	11.1	40.8	20.3	49.9	29.4	59	38.5	68.6	48.1	77.6	57.1	91.6	68.5	106	80
	9							36.8	13.7	45.9	22.8	55	31.9	64.6	41.5	73.6	50.5	87.5	62	102	73.3
	10									41.8	16.3	50.9	25.4	60.5	35	69.5	44	87.5	62	102	73.3
	11									46.9	18.7	56.5	28.3	65.5	37.3	83.5	55.3	102	73.3	102	73.3
SA92	5	37	18.4	50.3	31.7	63.6	45	76.6	58	90.6	72	103.6	85	111	88.3	118	91.7	139	109	160	127
	6	31.1	8.7	44.4	22	57.7	35.3	70.7	48.3	84.7	62.3	97.7	75.3	105	78.7	112	82.1	139	109	160	127
	7			38.5	12.4	51.8	25.7	64.8	38.7	78.8	52.7	91.8	65.7	105	78.7	112	82.1	139	109	160	127
	8					46	16.1	59	29.1	73	43.1	86	56.1	99	69.1	112	82.1	139	109	160	127
	9							53	19.5	67	33.5	80	46.5	93	59.5	106	72.5	133	99.5	154	117
	10									61.1	24	74.1	37	87.1	50	100	63	127	90	148	107
	11											68.3	27	81.3	40	94.3	53	121	80	148	107
SA105	5	59.4	29.3	81.4	51.3	102.4	72.3	124	94.3	145	115	167	137	179	143	191	149	225	177	258	204
	6	49.8	13.8	71.8	35.8	92.8	56.8	115	78.8	136	100	158	122	169	127	182	134	215	161	249	189
	7			62.3	20	83.3	41	105	63	126	84	148	106	169	127	182	134	215	161	249	189
	8					73.8	26	95.8	48	117	69	139	91	160	112	182	134	215	161	249	189
	9							86.3	32	107	53	129	75	150	96	172	118	215	161	249	189
	10									98	38	120	60	141	81	163	103	206	146	249	189
	11											110	44	131	65	153	87	196	130	239	173
SA125	5	76.7	38	104.7	66	132.7	94	160	121	188	149	216	177	230	184	246	192	289	227	333	263
	6	64.4	18	92.4	46	120.4	74	147	101	175	129	203	157	218	164	234	172	277	207	320	243
	7			80.2	26	96	34	123	61	151	89	179	117	206	144	222	152	264	187	308	223
	8							111	41	126	49	154	77	181	104	209	132	264	187	308	223
	9											142	57	169	84	197	112	252	167	308	223
	10													157	64	185	92	240	147	296	203
	11																				
SA140	5	120.7	60	164.7	104	207.7	147	252	191	295	234	338	277	362	290	386	301	454	357	522	412
	6	101	29	145	73	188	116	232	160	275	203	318	246	343	258	367	270	435	325	502	381
	7			126	41	150	53	194	97	237	140	280	183	324	227	367	270	435	325	502	381
	8							175	65	218	108	261	151	305	195	348	238	415	294	464	349
	9									198	77	241	120	285	164	328	207	415	294	464	349
	10											222	88	266	132	309	175	396	262	483	349
	11													247	101	290	144	377	231	464	318
SA160	5	158	78	215	135	272	192	328	248	385	305	452	372	473	377	504	393	593	465	681	538
	6	133	37	190	94	247	151	303	207	360	264	427	331	447	336	480	352	542	383	656	497
	7			164	53	221	110	277	166	334	223	401	290	423	295	454	311	567	424	631	457
	8					197	69	253	125	310	182	377	249	397	254	480	352	542	383	656	497
	9							227	84	284	141	351	208	372	213	429	270	542	383	656	497
	10									259	100	326	167	347	173	404	230	517	343	631	457
	11											301	127	347	173	404	230	517	343	631	457
SA190	5	333	224	440	331	546	437	653	544	759	650	866	757	933	802	999	740	1172	997	1346	1149
	6	293	162	400	269	506	375	613	482	719	588	826	695	893	740	959	678	1172	997	1346	1149
	7			360	207	466	313	573	420	679	526	786	633	853	678	959	678	1172	997	1346	1149
	8					426	251	533	358	639	464	746	571	813	616	919	616	1132	935	1346	1149
	9							493	296	599	402	706	509	813	616	919	616	1132	935	1346	11