

PNEUMATIC ACTUATOR

90° of Power to Pilot Your Valves



**Rotary Pneumatic Actuators
Stainless Steel**

Excellent Protection Against Corrosion



Aluminium Pneumatic Actuators

Silicone Free



**Polyamide
Pneumatic Actuators**



**Pneumatic Actuators
High Temperature**



YES. WE CARE...

| Courteously | Attentively | Respectably | Effectively |

SUDE
An ISO 9001:2008 Certified Company





Pneumatic Actuator

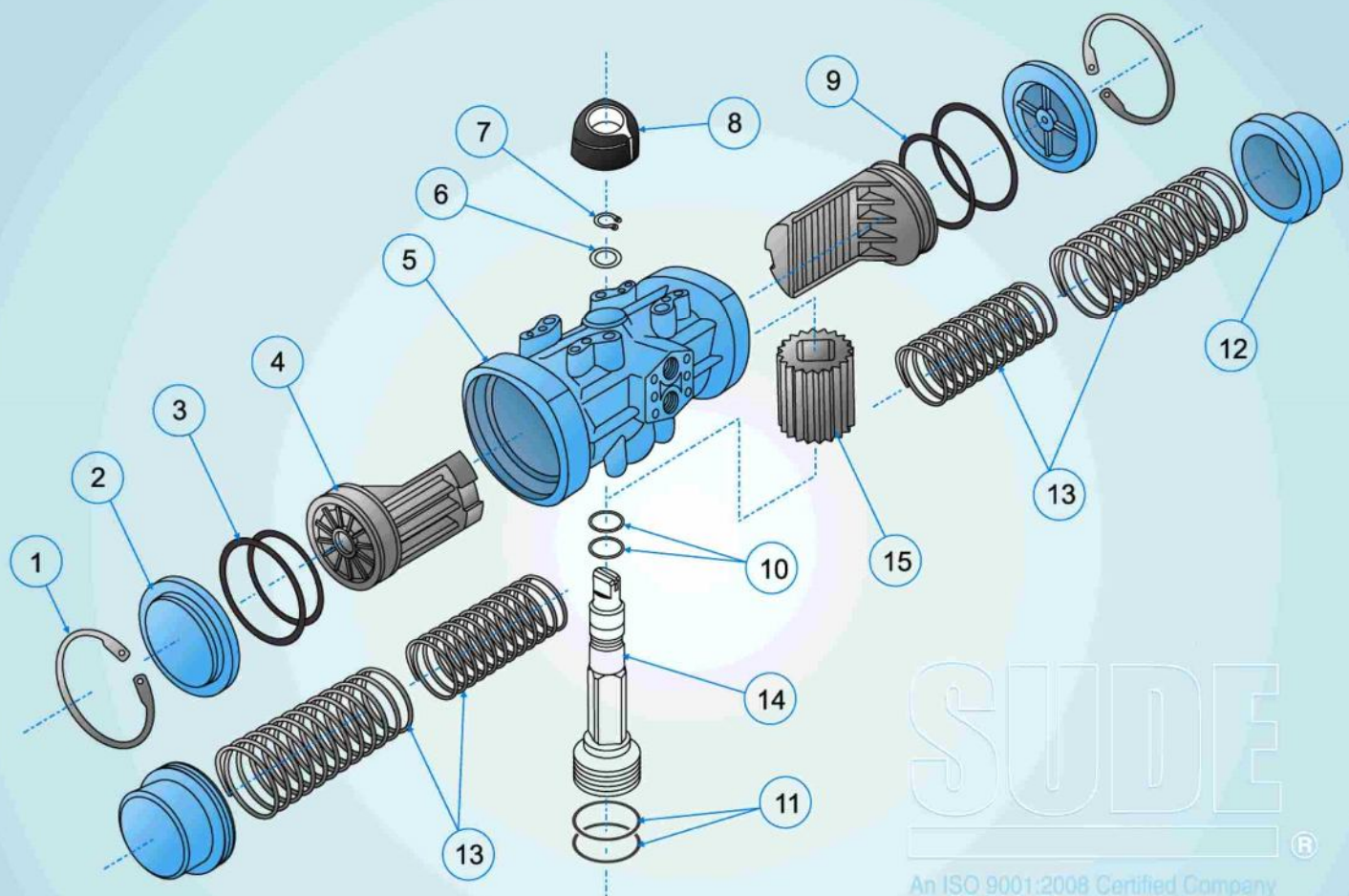
SUDE offers a wide range of products for valve automation including Pneumatic Actuators, Electric Actuators and Control and Regulation Elements, Solenoid Valves, Limit Switch Boxes, Positioners, Travel Stops, Declutchable Gearboxes, Handwheels, etc.

All actuators can be mounted onto any kind of valve, thank's to the wide range of mounting kits that Sude develops and produces.

Sude Pneumatic Actuators are available in double acting and spring return, covering a torque range from 17Nm to 5000Nm at 6 Bar. Industrial applications, Chemical, Nuclear, Electronics, Automotive, Food and Beverage, Pharmaceutical and other sectors such as Iron and Steel, Power Plants, Water Treatment, Oil & Gas, Off-Shore Plants, etc.

Part List - Pneumatic Actuator

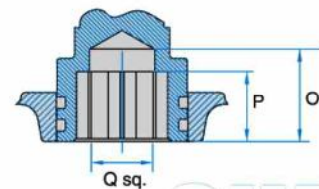
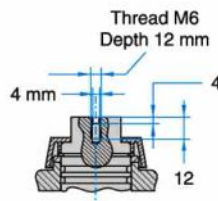
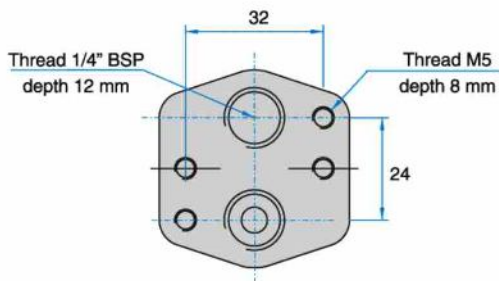
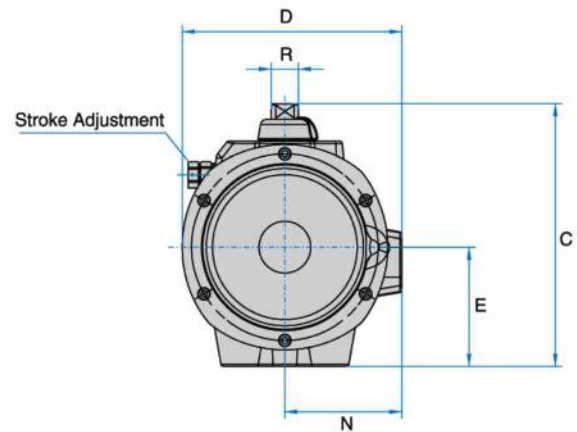
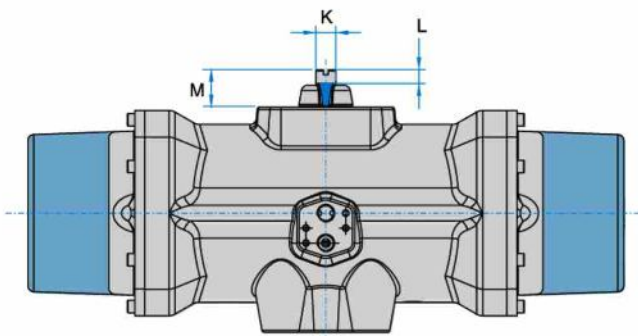
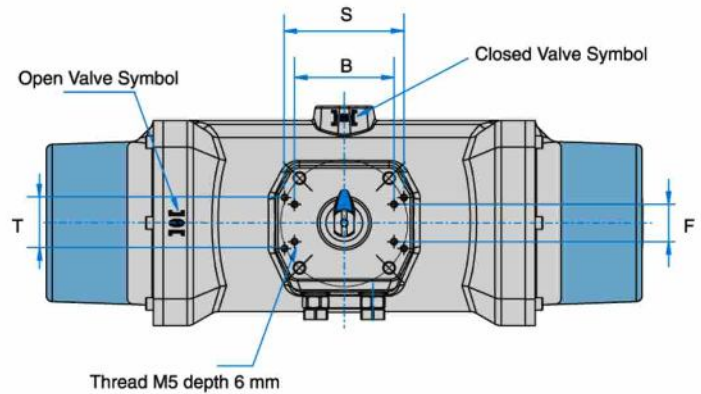
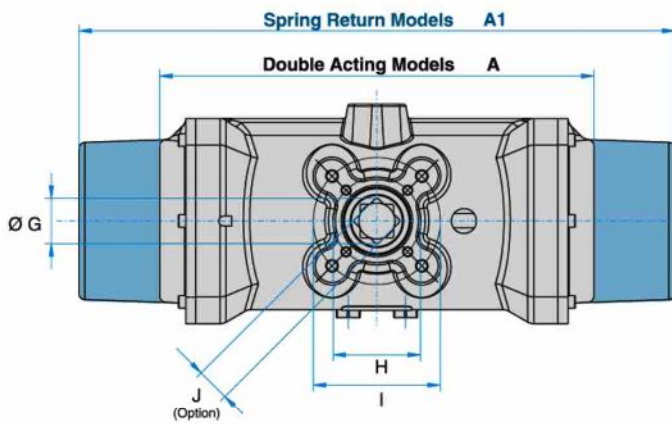
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No.	Description	Qty.	Material
1	Allen Screw / Spring Clip	12 / 2	AISI -304 Stainless Steel
2	Double Acting Cap	2	Aluminium Alloy (2) + (1)
3	Cap O-ring	2	N.B.R.
4	Piston	2	Aluminium Alloy
5	Cylinder / Body	1	Aluminium Alloy (2) + (1)
6	Washer	1	Polyamide 6
7	Spring Clip	1	Steel (3)
8	Position Indicator	1	Polymide

No.	Description	Qty.	Material
9	Guide Ring	4	P.T.F.E. + Bronze
10	O-Ring	2	N.B.R.
11	O-Ring	4	N.B.R.
12	Single Acting Cap	2	N.B.R.
13	Springs Set	2	DIN - 17223-C (2) (4)
14	Shaft	1	Steel (2)
15	Gear	1	Aluminium Alloy (5)



All Dimensions are in mm

Model No.			A	B	C	D	E	F	G	H	ISO	I	ISO	J	K	L	M	N	O	P	Q	R	S	T
Alumi- nium	Plastic	Stainless Steel	A1																					
DAW	DAPPW	---	140.2	80	89.3	76.1	37.2	30	14.3	36 x M5	F03	42 x M5	F04	11	8	8.1	20	48.2	20.3	17.6	10	9	---	---
SAW	SAPPWS	---	140.2	80	89.3	76.1	37.2	30	14.3	36 x M5	F03	42 x M5	F04	11	8	8.1	20	48.2	20.3	17.6	10	9	---	---
DA00	DAPP00	DAPI00	152.3	80	111.3	84.1	43.2	30	19	42 x M5	F04	50 x M6	F05	14	10	12.5	30	52.2	30.8	17.8	14.5	13.8	---	---
SA00	SAPP00	SAPI00	152.3	80	111.3	84.1	43.2	30	19	42 x M5	F04	50 x M6	F05	14	10	12.5	30	52.2	30.8	17.8	14.5	13.8	---	---
DA05	---	---	200.8	80	128.3	101.6	49.2	30	23	50 x M6	F05	70 x M8	F07	17	10	12.5	30	61.7	30.6	20.6	15	13.8	---	---
SA05	---	---	200.8	80	128.3	101.6	49.2	30	23	50 x M6	F05	70 x M8	F07	17	10	12.5	30	61.7	30.6	20.6	15	13.8	---	---
DA10	DAPP10	DAPI10	224.4	80	132.3	101.6	52.2	30	23	50 x M6	F05	70 x M8	F07	17	10	12.5	30	62.7	30.8	20.8	15	13.8	---	---
SA10	SAPP10	SAPI10	224.4	80	132.3	101.6	52.2	30	23	50 x M6	F05	70 x M8	F07	17	10	12.5	30	62.7	30.8	20.8	15	13.8	---	---
DA15	---	---	264.2	80	147.8	119.4	59.7	30	23	50 x M5	F05	70 x M8	F07	17	10	12.5	30	70.5	30.8	20.8	18.2	13.8	---	---
SA15	---	---	264.2	80	147.8	119.4	59.7	30	23	50 x M5	F05	70 x M8	F07	17	10	12.5	30	70.5	30.8	20.8	18.2	13.8	---	---
DA20	DAPP20	DAPI20	309.5	80	156.3	127.5	63.7	30	23	50 x M5	F05	70 x M8	F07	17	16	12.5	30	75.1	32.7	20.7	18.2	21.9	---	---
SA20	SAPP20	SAPI20	309.5	80	156.3	127.5	63.7	30	23	50 x M5	F05	70 x M8	F07	17	16	12.5	30	75.1	32.7	20.7	18.2	21.9	---	---
DA25	---	---	356.2	80	184.3	153.5	77.2	30	36.5	70 x M8	F07	102 x M8	F10	27	16	12.5	30	89.2	36.1	31.1	22	21.9	---	---
SA25	---	---	356.2	80	184.3	153.5	77.2	30	36.5	70 x M8	F07	102 x M8	F10	27	16	12.5	30	89.2	36.1	31.1	22	21.9	---	---
D30	---	---	349	80	211	177	96	30	40	70 x M8	F07	102 x M8	F10	30	16	11	30	94	42	30	30	21.8	96	41
SA30	---	---	479	80	211	177	96	30	40	70 x M8	F07	102 x M8	F10	30	16	11	30	94	42	30	30	21.8	96	41
D40	---	---	444	118	272	226	116	30	49	---	---	125 x M12	F12	36	32	20	50	120	50	38	35	41.9	130	41
SA40	---	---	598	118	272	226	116	30	49	---	---	125 x M12	F12	36	32	20	50	120	50	38	35	41.9	130	41
D50	---	---	524	118	313	257.5	133	30	49	---	---	140 x M16	F14	36	32	20	50	135	50	38	35	41.9	130	41
SA50	---	---	694	118	313	257.5	133	30	49	---	---	140 x M16	F14	36	32	20	50	135	50	38	35	41.9	130	41
DA60	---	---	670.5	130	368	330.5	162.2	30	61	---	---	165 x M20	F16	46	32	---	50	172	60	52	---	41.9	---	---
SA60	---	---	670.5	130	368	330.5	162.2	30	61	---	---	165 x M20	F16	46	32	---	50	172	60	52	---	41.9	---	---
DA70	---	---	742.5	130	428	402.5	191	30	61	---	---	165 x M20	F16	46	---	---	50	216	---	52	---	43.5	---	---
SA70	---	---	742.5	130	428	402.5	191	30	61	---	---	165 x M20	F16	46	---	---	50	216	---	52	---	43.5	---	---

DOUBLE ACTING ACTUATOR



MODEL NUMBER			AIR CONSUMPTION IN LITERS		CYCLE TIME IN SECS.		WEIGHT IN KG.
ALUMINIUM	PLASTIC	STAINLESS STEEL	TO OPEN	TO CLOSE	TO OPEN	TO CLOSE	
DAW	DAPPW	----	0.075	0.11	0.1	0.1	0.92
DA00	DAPP00	DAPI00	0.15	0.18	0.15	0.15	1.40
DA05	----	----	0.28	0.37	0.2	0.2	2.57
DA10	DAPP10	DAPI10	0.35	0.45	0.25	0.25	3.08
DA15	----	----	0.65	0.82	0.3	0.3	4.20
DA20	DAPP20	DAPI20	0.8	1.15	0.4	0.4	5.61
DA25	----	----	1.5	2.02	0.5	0.5	9.30
D30	----	----	2.05	1.9	0.6	0.6	9.1
D40	----	----	5.3	5.3	1.2	1.2	17.6
D50	----	----	10.5	7	2	2	30.7
D60	----	----	19.5	20.7	4	4	48.3
D70	----	----	31	30	6	6	77.9

SPRING RETURN ACTUATOR

MODEL NUMBER			AIR CONSUMPTION IN LITERS		CYCLE TIME IN SECS.		WEIGHT IN KG.
ALUMINIUM	PLASTIC	STAINLESS STEEL	TO OPEN	TO CLOSE	TO OPEN	TO CLOSE	
SAW	SAPPW	---	0.075	---	0.15	0.15	1
SA00	SAPP00	SAPI00	0.15	---	0.2	0.2	1.625
SA05	---	---	0.28	---	0.25	0.25	2.94
SA10	SAPP10	SAPI10	0.35	---	0.3	0.3	3.48
SA15	---	---	0.65	---	0.4	0.4	5.04
SA20	SAPP20	SAPI20	0.8	---	0.5	0.5	6.63
SA25	---	---	1.5	---	0.8	0.8	11.3
SA30	---	---	2.05	---	1.2	1.2	15.9
SA40	---	---	5.3	---	2	2	36.4
SA50	---	---	10.5	---	6	6	58.4
SA60	---	---	19.5	---	11	8	64.8
SA70	---	---	31	---	15	10	118.2

DOUBLE ACTING TORQUES

MODEL NUMBER			BAR								
ALUMINIUM	PLASTIC	STAINLESS STEEL		3	4	5	5.5	6	7	8	
DAW	DAPPW	---	Mm	7.9	11.3	14.1	15.5	17	18.8	22.9	
DA00	DAPP00	DAPI00	Mm	11.6	16.1	20.5	22.7	25	29.5	33.9	
DA05	---	---	Mm	23.5	22.3	41	45.3	49.7	58.4	67.1	
DA10	DAPP10	DAPI10	Mm	32.9	46.6	58.3	65	71	83.7	96.4	
DA15	---	---	Mm	52.2	75.6	96	106.2	116.5	136.9	157.4	
DA20	DAPP20	DAPI20	Mm	77.7	107	136.3	151	165.5	194.8	224	
DA25	---	---	Mm	140.1	190.1	240	264.9	290	339.9	393.9	
D30	---	---	Mm	226.5	307.4	388.3	---	469.2	550.1	631	
D40	---	---	Mm	582.5	781.6	980.8	---	1179.9	1379.1	1578.1	
D50	---	---	Mm	998	1354.5	1210.9	---	2067.4	2423.8	2780.3	
D60	---	---	Mm	1.638	2.245	2.851	3.155	3.458	4.065	4.672	
D70	---	---	Mm	2.389	3.273	4.158	4.600	5.043	5.927	6.812	



SPRING RETURN ACTUATOR TORQUES

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SAW			SAPPW			-----											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	10	6.7	--	--	--	--	7.4	4.1	8.8	5.5	10.3	7	13.1	9.8	16.2	12.9	Nm
5	8.5	5.8	--	--	5.5	2.8	8.3	5.6	9.7	7	11.2	8.5	14	11.3	17.1	14.4	Nm
4	7	4.6	3.3	0.9	6.7	4.3	9.5	7.1	10.9	8.5	12.4	10	15.2	12.8	18.3	15.9	Nm
3	5.5	3.6	4.3	2.4	7.7	5.8	10.5	8.6	11.9	10	13.4	11.5	16.2	14.3	--	--	Nm
2	4	2.4	5.5	3.9	8.9	7.3	11.7	10.1	13.1	11.6	14.6	13	--	--	--	--	Nm

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SA00			SAPP00			SAPI00											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	16.5	11.1	-	-	-	-	9.4	4	11.6	6.2	13.9	8.5	18.4	13	28.8	17.4	Nm
5	13.8	11.4	-	-	6.7	2.3	11.1	6.7	13.3	8.9	15.6	11.2	20.1	15.7	24.5	20.1	Nm
4	11.1	7.6	-	-	8.5	5	12.9	9.4	15.1	11.6	17.4	13.9	21.9	18.4	26.3	28.8	Nm
3	8.5	5.8	5.8	3.1	10.3	7.6	14.7	12	16.9	14.2	19.2	16.5	23.7	21	-	-	Nm
2	5.8	3.6	8	5.8	12.5	10.3	16.9	14.7	19.1	16.9	21.4	19.2	-	-	-	-	Nm

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SA05			---			---											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	31.4	20.9	-	-	-	-	20.1	9.6	24.4	13.9	28.8	18.3	37.5	27	46.2	35.7	Nm
5	27	17.4	-	-	14.9	5.3	23.6	14	27.9	18.3	32.3	22.7	41	31.4	49.7	40.1	Nm
4	21.8	13.9	9.6	1.7	18.4	10.5	27.1	19.2	31.4	23.5	35.8	27.9	44.5	36.6	53.2	45.3	Nm
3	18.3	11.3	12.2	5.2	21	14	29.7	22.7	34	27	38.4	31.4	47.1	40.1	-	-	Nm
2	12.2	7.8	15.7	11.3	24.5	20.1	33.2	28.8	37.5	33.1	41.9	37.5	-	-	-	-	Nm

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SA10			SAPP10			SAPI10											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	45.6	30.8	-	-	-	-	27.5	12.7	34.2	19.4	40.2	25.4	52.9	38.1	65.6	50.8	Nm
5	38	25.7	-	-	19.9	7.6	32.6	20.3	39.3	27	45.3	33	58	45.7	70.7	58.4	Nm
4	30.4	20.5	12.4	2.5	25.1	15.2	37.8	27.9	44.5	34.6	50.5	40.6	63.2	53.3	75.9	66	Nm
3	22.8	15.4	17.5	10.1	30.2	22.8	42.9	35.5	41.6	42.2	55.6	48.2	68.3	60.9	-	-	Nm
2	15.2	10.3	22.6	17.7	35.3	30.4	48	43.1	54.7	49.8	60.7	55.8	-	-	-	-	Nm

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SA15			---			---											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	7.5	49	-	-	-	-	47	24.5	57.2	34.7	67.5	45	87.9	65.4	108.4	85.5	Nm
5	59.6	49.9	-	-	34.7	16	51.1	26.4	65.3	46.6	75.6	56.9	96	77.3	116.5	97.8	Nm
4	47.7	32.7	22.5	7.5	42.9	27.9	63.3	48.3	73.5	58.5	83.8	68.8	104.2	89.2	124.7	109.7	Nm
3	35.7	24.5	30.7	19.5	51.1	39.9	71.5	60.3	81.7	70.5	92.0	80.8	112.4	101.2	-	-	Nm
2	23.8	16.3	38.9	31.4	59.3	51.8	79.7	72.2	89.9	82.4	100.2	92.7	-	-	-	-	Nm

MODEL NUMBER																	
ALUMINIUM			PLASTIC			STAINLESS STEEL											
SA20			SAPP20			SAPI20											
N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	104.7	65.8	-	-	-	-	70.5	31.6	85.2	46.3	99.7	60.8	129	90.1	158.2	119.3	Nm
5	87.2	54.8	-	-	52.2	19.8	81.5	49.1	96.2	63.8	110.7	78.3	140	107.6	169.2	136.8	Nm
4	69.8	43.9	33.8	8	63.1	37.2	92.4	66.5	107.1	81.8	121.6	95.7	150.9	125	180.1	154.2	Nm
3	52.3	32.9	44.8	25.4	74.1	54.7	103.4	84	118.1	98.7	132.6	113.2	161.9	142.5	-	-	Nm
2	34.9	21.9	55.8	42.8	85.1	72.1	114.4	101.4	129.1	116.1	143.6	130.6	-	-	-	-	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA25

N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	118.8	119.4	-	-	-	-	120.6	58.2	145.5	83.1	176.6	108.2	220.5	158.1	274.5	212.1	Nm
5	151.5	99.5	-	-	90.6	38.6	140.5	88.5	165.4	113.4	190.5	138.5	240.4	188.4	294.4	242.4	Nm
4	121.2	79.6	60.5	18.9	110.5	68.9	160.4	118.8	185.3	143.7	210.4	168.8	260.3	218.7	314.3	272.7	Nm
3	19.9	59.7	80.4	49.2	130.4	99.2	180.3	149.1	205.2	174	230.3	119.1	280.2	249	-	-	Nm
2	16.6	39.8	100.3	79.5	150.3	129.5	200.2	179.4	225.1	204.3	250.2	229.4	-	-	-	-	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA30

N	SPRING TORQUES		3		4		5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
4	273.7	179.9	--	--	127.5	33.7	208.4	114.6	289.3	195.5	370.2	276.4	451.1	357.3	Nm
3	203.3	140.8	85.8	23.2	166.6	104.1	247.5	185	328.4	265.9	409.3	346.8	490.2	427.7	Nm
2	148.6	93.8	132.7	77.9	213.6	158.8	333.6	239.7	375.4	320.6	456.3	401.5	--	--	Nm
1	93.8	54.7	171.8	132.7	252.7	213.6	180.3	294.5	414.5	375.4	--	--	--	--	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA40

N	SPRING TORQUES		3		4		5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
4	766.9	491.6	-	-	-	-	489.1	213.8	688.3	413	887.4	612.1	1086.6	811.3	Nm
3	629.3	432.6	-	-	349	152.3	548.1	351.5	747.3	550.6	946.4	749.8	1145.6	948.9	Nm
2	452.3	314.6	267.9	130.2	467	329.3	666.1	528.5	865.3	727.6	1064.4	926.8	-	-	Nm
1	275.3	177	405.5	307.2	604.6	506.3	803.8	705.5	1002.9	904.6	-	-	-	-	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA50

N	SPRING TORQUES		3		4		5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
4	1206	723.6	-	-	-	-	987.4	505	1343.8	861.4	1700.2	1217.8	2056.7	1574.3	Nm
3	827	516.8	-	-	837.6	527.5	1194.1	884	1550.5	1240.4	1907	1596.9	2263.4	1953.3	Nm
2	585.8	344.6	653.5	412.3	1009.9	768.7	1366.4	1125.2	1722.8	1481.6	2079.3	1838.1	2435.7	2194.5	Nm
1	344.6	206.7	791.3	653.5	1147.7	1009.9	1504.2	1366.4	1860.6	1722.8	2217.1	2079.3	-	-	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA60

N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	2.075	1.383	-	-	-	-	1.468	776	1.772	1.080	2.075	1.383	2.682	1.990	3.289	2.597	Nm
5	1.729	1.153	-	-	-	-	1.698	1.122	2.002	1.426	2.305	1.729	2.912	2.336	3.519	2.943	Nm
4	1.383	922	-	-	1.323	862	1.929	1.468	2.233	1.772	2.536	2.075	3.143	2.682	3.750	3.289	Nm
3	1.037	692	946	601	1.553	1.208	2.159	1.814	2.463	2.118	2.766	2.421	3.373	3.028	-	-	Nm
2	692	462	1.176	946	1.783	1.533	2.389	2.159	2.693	2.463	2.996	2.766	-	-	-	-	Nm

MODEL NUMBER

ALUMINIUM	PLASTIC	STAINLESS STEEL
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SA70

N	SPRING TORQUES		3		4		5		5.5		6		7		8		BAR
	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	INITIAL	END	
6	3.539	1.769	-	-	-	-	2.389	619	2.831	1.062	3.273	1.504	4.158	2.389	5.043	3.273	Nm
5	2.949	1.475	-	-	-	-	2.684	1.209	3.126	1.651	3.568	2.094	4.453	2.978	5.338	3.863	Nm
4	2.359	1.180	-	-	2.094	914	2.978	1.799	3.421	2.241	3.863	2.684	4.748	3.568	5.632	4.453	Nm
3	1.769	885	1.504	619	2.389	1.504	3.273	2.389	3.716	2.831	4.158	3.273	5.043	4.158	-	-	Nm
2	1.180	590	1.799	1.209	2.684	2.094	3.568	2.978	4.011	3.421	44.53	3.863	-	-	-	-	Nm

Regulation and Control Accessories for all Models of Pneumatic Actuators.



Filter Regulator & Lubricator



Solenoid Valve



Limit Switch Box



Positioner



Declutchable Gearbox



Hand Wheel



Proximity Namur



Position Transmitter



Sude also Offers Electrical Actuators



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OUR PRODUCTS



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