

# ACTUATORS

## ROTARY DOUBLE / SIMPLE EFFECT PNEUMATIC ACTUATOR NR /NRS TYPE



NR type actuator dimensions

DN mm	DN inch	Model	A	B	C	D	E	Weight Kg
40	1½"	NR-16	180	314	157	94	96	3.75
50	2"	NR-16	180	336	168	94	96	4.8
65	2½"	NR-16	180	359	179	94	96	5.3
80	3"	NR-16	180	376	188	94	96	5.8
100	4"	NR-16	180	427	221	94	96	7.3
125	5"	NR-20	239	488	249	118	128	9.9
150	6"	NR-20	239	514	260	118	128	11.9
200	8"	NR-30	320	659	341	164	180	24.5
250	10"	NR-30	320	712	368	164	180	33.5
300	12"	NR-45	418	844	422	201	225	46
350	14"	NR-45	418	901	450	201	225	59
400	16"	NR-50	434	1,013	507	251	272	98
450	18"	NR-50	434	1,067	534	251	272	130
500	20"	NR-50	434	1,167	584	251	272	150



## ELECTRIC SERVO MOTOR ACTUATOR S TYPE



S type actuator dimensions

DN mm	DN inch	Model	A	B	C	D	E	F	Weight Kg
40	1½"	S-10	312	194	118	315	328	48	11.9
50	2"	S-10	312	194	118	315	350	48	13
65	2½"	S-10	312	194	118	315	373	48	13.5
80	3"	S-10	312	194	118	315	390	48	14
100	4"	S-20	370	210	160	390	442	54	21.5
125	5"	S-20	370	210	160	390	465	54	22.5
150	6"	S-20	370	210	160	390	491	54	24.5
200	8"	S-20	370	210	160	390	570	70	31
250	10"	S-20	370	210	160	390	623	70	40
300	12"	S-30	437	215	222	500	700	80	69
350	14"	S-30	437	215	222	500	757	80	82
400	16"	S-30	437	215	222	500	823	110	102
450	18"	S-40	721	400	322	790	924	110	162
500	20"	S-40	721	400	322	790	1,024	132	182



with you, step by step

## WORM SCREW MANUAL GEAR ACTUATOR R TYPE



R type actuator dimensions

DN mm	DN inch	Model	A	B	C	F	L	M	N	P	øR	øW	Turns N°	Weight Kg
40	1½"	R-16	255	164	60	92	72	42	46	103	150	82	7	5.5
50	2"	R-16	277	175	71	92	72	42	46	103	150	104	7	6.5
65	2½"	R-16	300	189	80	92	72	42	46	103	150	123	7	7
80	3"	R-16	317	199	87	92	72	42	46	103	150	137	7	7.5
100	4"	R-20	366	229	102	123	94	51	55	111	200	161	9	9
125	5"	R-20	389	237	117	123	94	51	55	111	200	190	9	10
150	6"	R-20	415	250	130	123	94	51	55	111	200	218	9	12
200	8"	R-30	509	304	167	136	103	56	62	132	250	274	9.5	23
250	10"	R-30	562	330	194	136	103	56	62	132	250	329	9.5	32
300	12"	R-30-B	666	388	220	172	134	73	80	151	250	377	7.5	33
350	14"	R-30-B	723	415	250	172	134	73	80	151	250	434	7.5	46
400	16"	R-45	771	401	280	315	105	90	170	379	360	488	35	101
450	18"	R-45	825	428	307	315	105	90	170	379	360	546	35	133
500	20"	R-45	930	463	372	315	105	90	170	379	360	594	35	153

## DOUBLE EFFECT PNEUMATIC ACTUATOR N TYPE

N type actuator dimensions

DN mm	DN inch	Model	A	B	C	F	Thread G	H	H'	J	L	M	N	P	øW	Weight Kg
40	1½"	N-16	252	138	60	52	¼"	44	76.2	127	76,2	116.2	35	403	82	5.8
50	2"	N-16	274	149	71	52	¼"	44	76.2	127	76,2	116.2	35	403	104	6.9
65	2½"	N-16	297	163	80	52	¼"	44	76.2	127	76,2	116.2	35	403	123	7.4
80	3"	N-16	314	173	87	52	¼"	44	76.2	127	76,2	116.2	35	403	137	7.9
100	4"	N-20	362	200	102	75	⅜"	53	91.8	151	91,8	136.8	42	479	161	12.9
125	5"	N-20	385	208	117	75	⅜"	53	91.8	151	91,8	136.8	42	479	190	13.8
150	6"	N-20	411	221	130	75	⅜"	53	91.8	151	91,8	136.8	42	479	218	15.8
200	8"	N-30	504	268	167	95	⅜"	53	91.8	148	91,8	149.3	55	483	274	25
250	10"	N-30	557	294	194	95	⅜"	53	91.8	148	91,8	149.3	55	483	329	34
300	12"	N-30-B	640	339.5	220	115	½"	53.6	92	180	92	164.5	55	540	377	45
350	14"	N-30-B	697	336.5	250	115	½"	53.6	92	180	92	164.5	55	540	435	58
400	16"	N-45	783	402.5	280	140	½"	125.3	125.3	244	125	205	80	714	488	108
450	18"	N-45	837	429.5	307	140	½"	125.3	125.3	244	125	205	80	714	546	140
500	20"	N-45	942	464.5	372	140	½"	125.3	125.3	244	125	205	80	714	594	160

Solenoid valves and stroke ends are available.



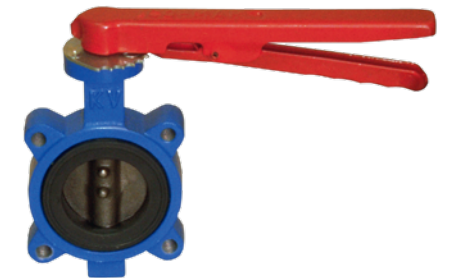
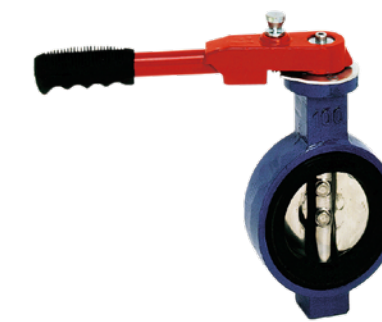
## TWO POSITION MANUAL ACTUATOR T TYPE



T type actuator dimensions

DN mm	DN inch	Model	A	B	C	F	L	øN	Weight Kg
40	1½"	T-16	232	136	60	88	220	82	2.5
50	2"	T-16	254	147	71	88	220	104	3.6
65	2½"	T-16	277	161	80	88	220	123	4.1
80	3"	T-16	294	171	87	88	220	137	4.6
100	4"	T-20	342	208	102	104	270	161	6.2
125	5"	T-20	364	216	117	104	270	190	7.2
150	6"	T-20	391	229	130	104	270	218	9.2

## MANUAL POSITIONER ACTUATOR P / PG / PI TYPE



P type actuator dimensions

DN mm	DN inch	Model	A	B	C	F	L	M	øN	Weight Kg
40	1½"	P-16	218	132	60	77	286	35	82	2.7
50	2"	P-16	240	143	71	77	286	35	104	3.8
65	2½"	P-16	263	157	80	77	286	35	123	4.3
80	3"	P-16	280	167	87	77	286	35	137	4.8
100	4"	P-20	315	187	102	92	303	42	161	6.4
125	5"	P-20	338	195	117	92	303	42	190	7.4
150	6"	P-20	364	208	130	92	303	42	218	9.4
200	8"	P-30	442	262	167	119	487	55	274	16.6
250	10"	P-30	495	288	194	119	487	55	329	25.6
300	12"	P-30	558	325	220	119	487	55	377	28.6

PG type actuator Dimensions

Model	A	B	C	Weight Kg
PG-16	320	33	12	1.06
PG-20	330	33	16	1.11

Interlock every 15°