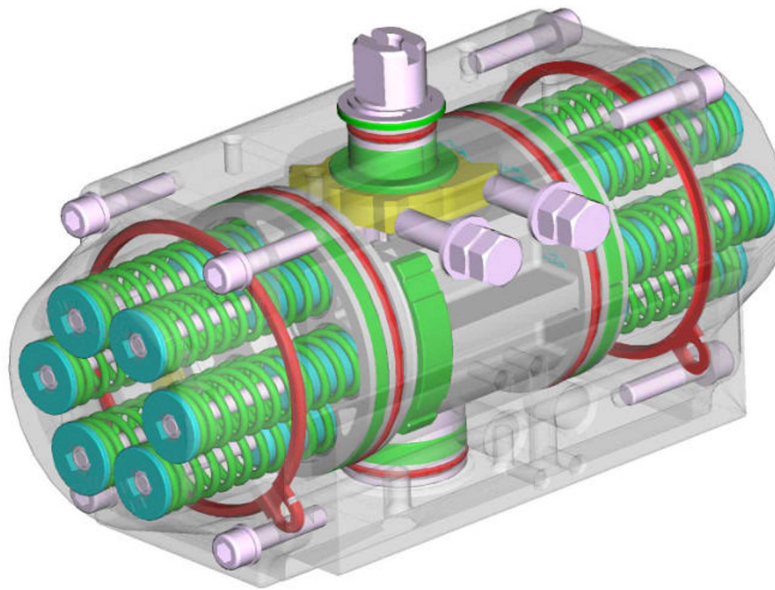


The RE series of ALPHAIR Pneumatic Actuators with special "External Adjustment" covers all requirements after adjustment accuracy and easy access at the end positions.

The special "External Adjustment" system guarantees maximum precision on rotation adjusting, for normal and heavy conditions, in any application field. This system are carefully designed for maximum torque rating and maximum lifetime. Robust, compact and high-quality for safe and problem-free operation of 90 ° pivoting shutoff valves.



SIL 3



standard equipment

ASTM 6063 T6 extruded aluminium body, inside surface finish Ra=0,4-0,6. 25 micron hard anodizing.

EN AB 46100 die-casted aluminium alloy pistons, 15 micron anodizing.

EN AB 46100 die-casted Aluminium alloy Covers, painted with 60-80 micron polyester powder.

Carbon steel shaft, 20 micron nickel-plated

External adjusting gear, in Stainless Steel AISI 316 (A4).

Screws in Stainless Steel AISI 304 (A2).

Seals in nitrile rubber NBR, Optional HIGH Temperature = FPM/FKM. Optional LOW Temperature = SILICONE.

Bearings in low friction acetal resin LAT-LUB, easily replaceable for maintenance. Optional HIGH/LOW Temperature = PA 66.

Pre-compressed Spring Cartridges, easily replaceable for maintenance, 25-30 micron polyester painted.

Standard grease: Molybdenum Bisulphide. Optional: special grease for HIGH/LOW Temperature.

Several special protections available for chemical, pharmaceutical, food and industrial environments.

Rotation adjustment $\pm 5^\circ$ in both opening and closing position. Assembly precision $\pm 1^\circ$, made by electronic devices.

Double lower drilling for valve fastening and centering, according to **ISO 5211-DIN 3337 Standards**.

line (0°) and diagonal key (45°).

Solenoid connections according to **NAMUR VDI/VDE-3845 standards**

Top drilling for accessories fastening, and upper shaft end according to **NAMUR VDI/VDE-3845 standards**

Position indicator on request, enabling switch-box assembly on top.

Aluminium adhesive nameplates, with progressive serial number punched

Lubrication carried out by the manufacturer, guaranteed for min. 1.000.000 operations

Running test and 100% seal test carried out with electronic equipment and certification of each individual product

Standard execution for temperatures from -20 °C to 80 °C (optional, special execution for extreme temperatures)

According to **ATEX-94-9-CEE Standard** for explosive environment; **STANDARD version actuator: II 2GD c Tmax = 95°C.**

According to **CEN/TC69/WG1/SG10** design and manufacture standard requirements.

SIL 3

RE Serie

overall view

DOUBLE ACTING TORQUE RATINGS (Nm)

Type	AIR SUPPLY IN BAR							
	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0
RE 051	10,0	13,4	16,7	20,1	23,4	26,8	30,1	33,5
RE 064	17,8	23,7	29,6	35,5	41,4	47,4	53,3	59,2
RE 076	35,3	47,1	58,9	70,6	82,4	94,2	105,9	117,7
RE 086	51,7	68,9	86,1	103,4	120,6	137,8	155,0	172,3
RE 101	82,4	109,8	137,3	164,8	192,2	219,7	247,1	274,6
RE 116	131,1	174,9	218,6	262,3	306,0	349,7	393,4	437,1
RE 126	169,9	226,5	283,2	339,8	396,4	453,0	509,7	566,3
RE 146	265,1	353,4	441,8	530,1	396,4	706,9	795,2	883,6
RE 161	344,6	459,5	574,3	689,2	804,1	918,9	1034	1149
RE 181	469,7	626,3	782,9	939,4	1096	1253	1409	1565
RE 201	646,0	861,3	1077	1292	1507	1723	1938	2153
RE 241	1118	1490	1863	2235	2608	2980	-	-
RE 271	1617	2157	2696	3235	3774	4314	-	-
RE 421	5013	6684	8354	10025	11696	13367	-	-

SPRING RETURN TORQUE RATINGS (Nm)

Type	springs for each side	AIR SUPPLY IN BAR												SPRINGS TORQUE	
		3		4		5		6		7		8			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
RE 051SR	3	5,8	4,3	9,1	7,6	12,5	10,9	15,8	14,3	19,2	17,6	22,5	21,0	5,8	4,3
	4	4,4	2,3	7,8	5,7	11,1	9,0	14,4	12,3	17,8	15,7	21,1	19,0	7,8	5,7
	5			6,3	3,7	9,7	7,1	13,0	10,4	16,4	13,8	19,7	17,1	9,7	7,1
	6					8,2	5,1	11,6	8,5	14,9	11,8	18,3	15,2	11,6	8,5
RE 064SR	3	10,7	7,1	16,6	13,0	22,5	18,9	28,5	24,8	34,4	30,8	40,3	36,7	10,7	7,1
	4	8,4	3,5	14,3	9,4	20,2	15,4	26,1	21,3	32,0	27,2	38,0	33,1	14,3	9,4
	5			11,9	5,9	17,8	11,8	23,8	17,7	29,7	23,6	35,6	29,6	17,8	11,8
	6					15,5	8,2	21,4	14,1	27,3	20,1	33,2	26,0	21,4	14,1
RE 076SR	3	21,1	14,3	32,8	26,0	44,6	37,8	56,4	49,6	68,1	61,3	79,9	73,1	21,1	14,3
	4	16,3	7,2	28,1	19,0	39,8	30,8	51,6	42,5	63,4	54,3	75,2	66,1	28,1	19,0
	5			23,3	12,0	35,1	23,8	46,9	35,5	58,6	47,3	70,4	59,1	35,1	23,8
	6					30,3	16,7	42,1	28,5	53,9	40,3	65,6	52,0	42,1	28,5
RE 086SR	3	33,8	17,8	51,1	35,1	68,3	52,3	85,5	69,5	102,7	86,7	120,0	104,0	33,8	17,8
	4	27,9	6,6	45,1	23,8	62,3	41,0	79,6	58,2	96,8	75,5	114,0	92,7	45,1	23,8
	5			39,2	12,5	56,4	29,7	73,6	47,0	90,8	64,2	108,1	81,4	56,4	29,7
	6					50,4	18,5	67,7	35,7	84,9	52,9	102,1	70,1	67,7	35,7
RE 101SR	3	50,1	32,3	77,5	59,7	105,0	87,2	132,5	114,7	159,9	142,1	187,4	169,6	50,1	32,3
	4	39,3	15,6	66,8	43,0	94,2	70,5	121,7	98,0	149,2	125,4	176,6	152,9	66,8	43,1
	5			56,0	26,4	83,5	53,8	110,9	81,3	138,4	108,7	165,9	136,2	83,5	53,8
	6					72,7	37,1	100,2	64,6	127,6	92,0	155,1	119,5	100,2	64,6

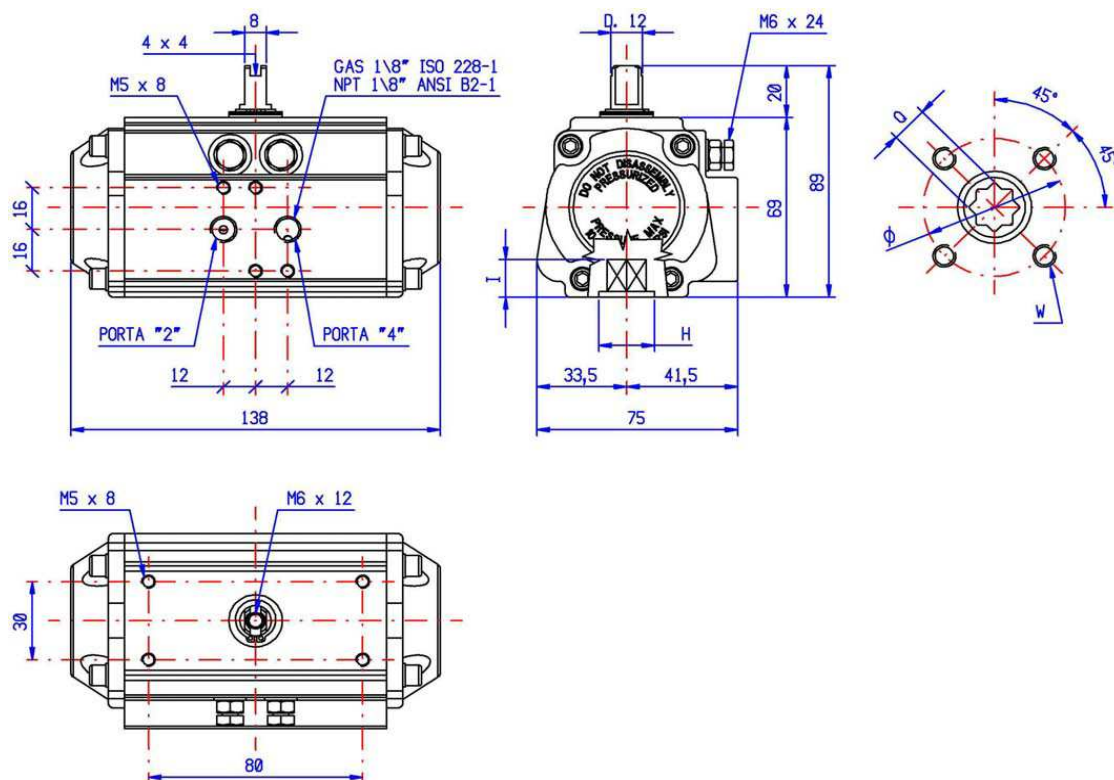
RE Serie

overall view

SPRING RETURN TORQUE RATINGS (Nm)

Type	springs for each side	AIR SUPPLY IN BAR												SPRINGS TORQUE	
		3		4		5		6		7		8			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
RE 116SR	3	80,7	50,5	124,4	94,2	168,1	137,9	211,8	181,6	255,5	225,3	299,3	269,0	80,7	50,5
	4	63,9	23,5	107,6	67,3	151,3	111,0	195,0	154,7	238,7	198,4	282,4	242,1	107,6	67,3
	5			90,8	40,4	134,5	84,1	178,2	127,8	221,9	171,5	265,6	215,2	134,5	84,1
	6					117,7	57,2	161,4	100,9	205,1	144,6	248,8	188,3	161,4	100,9
RE 126SR	3	105,0	64,9	161,6	121,5	218,2	178,2	274,9	234,8	331,6	291,4	388,1	348,0	105,0	64,9
	4	83,3	29,9	140,0	86,5	196,6	143,2	253,2	199,8	309,9	256,4	366,5	313,0	140,0	86,6
	5			118,3	51,5	175,0	108,2	231,6	164,8	288,2	221,4	344,8	278,1	175,0	108,2
	6					153,3	73,2	210,0	129,8	266,6	186,4	323,2	243,1	210,0	129,8
RE 146SR	3	162,5	102,6	250,8	190,9	339,2	279,3	427,5	367,7	515,9	456,0	604,3	544,4	162,5	102,6
	4	128,3	48,4	216,6	136,8	305,0	225,1	393,3	313,5	481,7	401,9	570,1	490,2	216,6	136,8
	5			182,4	82,6	270,8	171,0	359,1	259,3	447,5	347,7	535,9	436,0	270,8	171,0
	6					236,6	116,8	324,9	205,2	413,3	293,5	501,7	381,9	325,0	205,2
RE 161SR	3	202,7	141,9	317,5	256,8	432,4	371,6	547,3	486,5	662,1	601,4	777,0	716,2	202,7	141,9
	4	155,3	74,3	270,2	189,2	385,1	304,1	499,9	418,9	614,8	533,8	729,7	648,7	270,2	189,2
	5			222,9	121,6	337,8	236,5	452,6	351,4	567,5	466,2	682,4	581,1	337,8	236,5
	6					290,4	168,9	405,3	283,8	520,2	398,6	635,0	513,5	405,3	283,8
RE 181SR	3	281,6	188,2	438,1	344,7	594,7	501,3	751,3	657,9	907,8	814,5	1064	971,0	281,5	188,2
	4	218,8	94,3	375,4	250,9	532,0	407,5	688,5	564,0	845,1	720,6	1002	877,2	375,4	250,9
	5			312,7	157,0	469,3	313,6	625,8	470,2	782,4	626,8	939,0	783,3	469,3	313,6
	6					406,5	219,8	563,1	376,3	719,7	532,9	876,2	689,5	563,1	376,3
RE 201SR	3	386,2	259,8	601,5	475,1	816,8	690,5	1032	905,8	1247	1121	1436	1336	386,2	259,8
	4	299,6	131,1	514,9	346,4	730,2	561,8	945,5	777,1	1160	992,4	1376	1208	514,9	346,4
	5			428,3	217,7	643,6	433	858,9	648,4	1074	863,7	1290	1079	643,6	433,0
	6					557	304,3	772,3	519,6	987,6	735	1203	950,3	772,3	519,6
RE 241SR	3	664,0	453,6	1037	826,2	1409,0	1199	1782	1571	2154	1944	2527	2316	664,0	453,6
	4			885,4	604,8	1258,0	977,4	1631	1350	2003	1723	2376	2095	885,4	604,8
	5					1107	756,0	1479	1129	1852	1501	2224	1874	1107	756,0
	6					995,5	534,7	1328	907,2	1701	1280	2073	1652	1328	907,2
RE 271SR	3	912,5	705,1	1452	1244	1991	1784	2530	2323	3069	2862	3606	3401	912,5	705,1
	4			1217	940,2	1756	1479	2295	2019	2834	2558	3374	3097	1217	940,1
	5					1521	1176	2060	1714	2599	2144	3139	2793	1521	1175
	6					1286	871,0	1825	1410	2364	1954	2903	2489	1825	1410
RE 421SR	3	2999	2014	4670	3685	6340	5356	8011	7026	9682	8697	11353	10368	2999	2014
	4	2327	1014	3998	2685	5669	4356	7340	6027	9011	7698	10682	9369	3998	2685
	5			3327	1685	4998	3356	6669	5027	8340	6698	10010	8369	4998	3356
	6					4327	2357	5997	4028	7668	5698	9339	7369	5997	4028

RE 051



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 051 DA	3	4	5	6	7	8	9	10	
	10,0	13,4	16,7	20,1	23,4	26,8	30,1	33,5	1,015

SPRING RETURN TORQUE RATINGS (Nm)

RE 051 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	5,8	4,3	9,1	7,6	12,5	10,9	15,8	14,3	19,2	17,6	22,5	21,0	5,8	4,3	1,075
SR 4/4	4,4	2,3	7,8	5,7	11,1	9,0	14,4	12,3	17,8	15,7	21,1	19,0	7,8	5,7	1,095
SR 5/5			6,3	3,7	9,7	7,1	13,0	10,4	16,4	13,8	19,7	17,1	9,7	7,1	1,115
SR 6/6					8,2	5,1	11,6	8,5	14,9	11,8	18,3	15,2	11,6	8,5	1,135

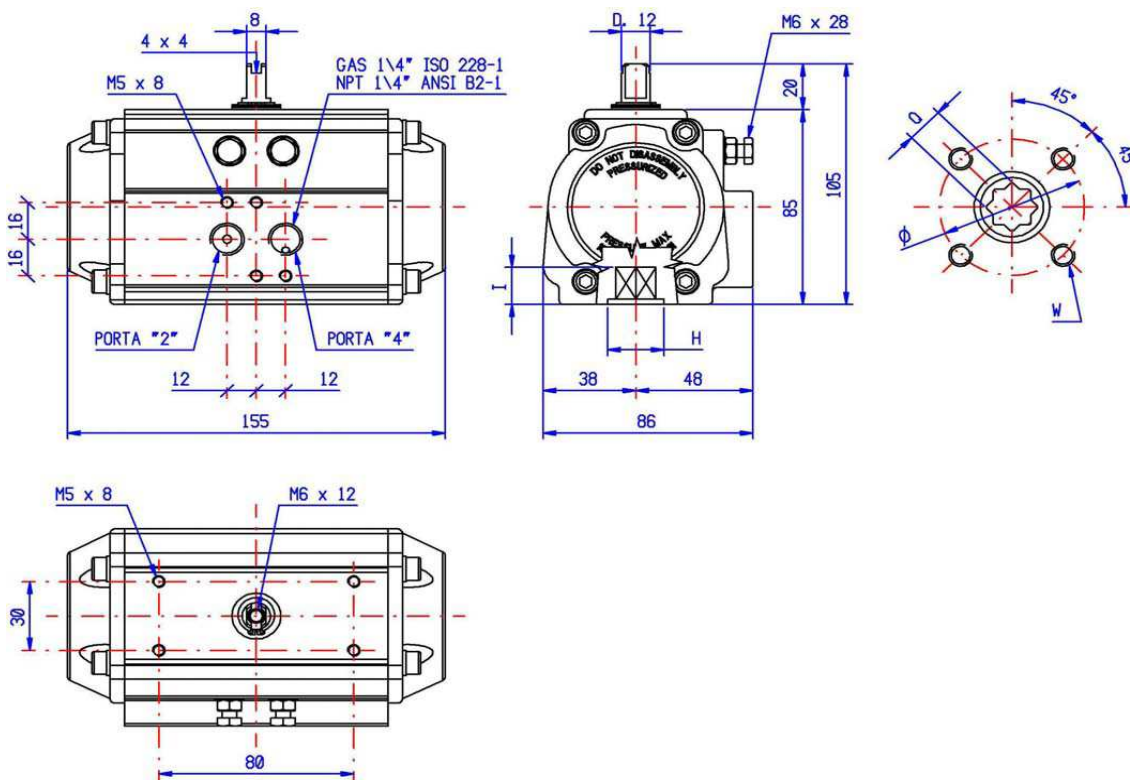
ADDITIONAL DATA

Chamber Diam.	50 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	0,3 litres
CLOSING TIME	0,5 sek
OPENING TIME	0,5 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F03/05 - F04			
ISO 5211	F03	F04	F05
Ø	36	42	50
W	M 5x8	M 5x8	M 6x9
Q	11	9	11
I	13	10	13
H	25	30	25

RE 064



DOUBLE ACTING TORQUE RATINGS (Nm)									
AIR SUPPLY IN BAR									WEIGHT kg
RE 064 DA	3	4	5	6	7	8	9	10	
	17,8	23,7	29,6	35,5	41,4	47,4	53,3	59,2	

SPRING RETURN TORQUE RATINGS(Nm)															
RE 064 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	10,7	7,1	16,6	13,0	22,5	18,9	28,5	24,8	34,4	30,8	40,3	36,7	10,7	7,1	1,590
SR 4/4	8,4	3,5	14,3	9,4	20,2	15,4	26,1	21,3	32,0	27,2	38,0	33,1	14,3	9,4	1,625
SR 5/5			11,9	5,9	17,8	11,8	23,8	17,7	29,7	23,6	35,6	29,6	17,8	11,8	1,660
SR 6/6					15,5	8,2	21,4	14,1	27,3	20,1	33,2	26,0	21,4	14,1	1,695

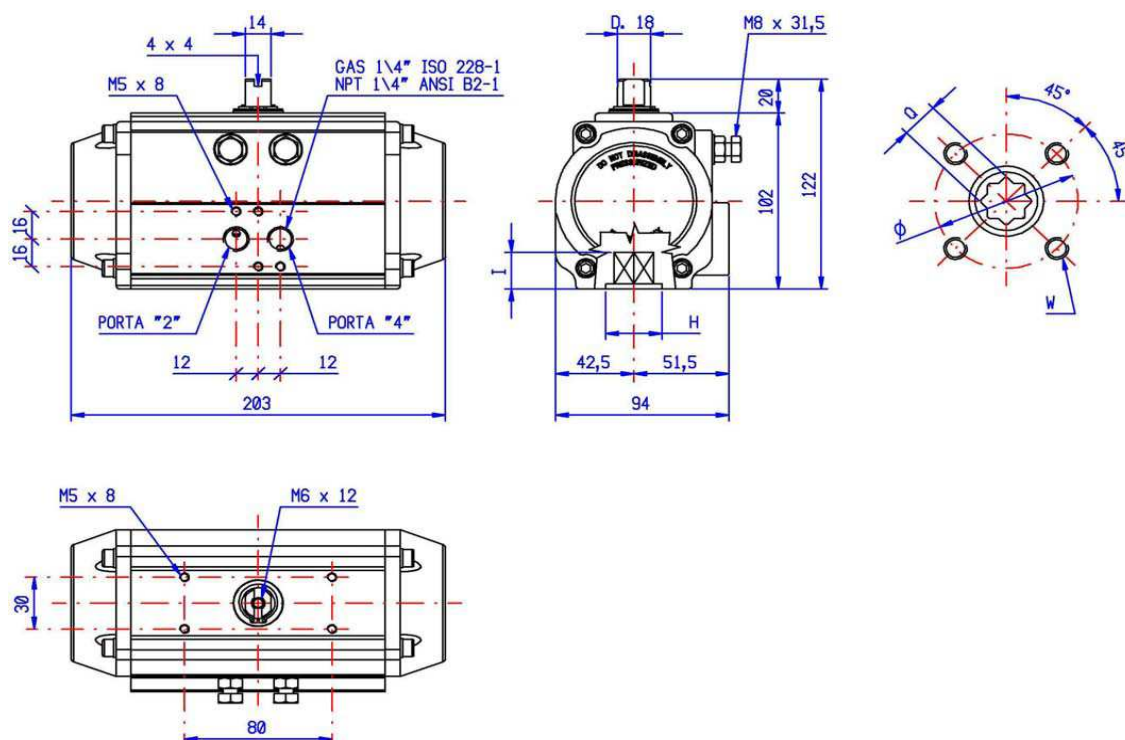
ADDITIONAL DATA

Chamber Diam.	63 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	0,5 litres
CLOSING TIME	0,5 sek
OPENING TIME	0,5 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F03/F05/F07 - F04				
ISO 5211	F03	F04	F05	F07
Ø	36	42	50	70
W	M 5x8	M 5x8	M 6x9	M 8x12
Q	14	11	14	14
I	16	13	16	16
H	35	30	35	35

RE 076



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 076 DA	3	4	5	6	7	8	9	10	
	35,3	47,1	58,9	70,6	82,4	94,2	105,9	117,7	2,510

SPRING RETURN TORQUE RATINGS (Nm)

RE 076 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8		90°	0°	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°			
SR 3/3	21,1	14,3	32,8	26,0	44,6	37,8	56,4	49,6	68,1	61,3	79,9	73,1	21,1	14,3	2,720
SR 4/4	16,3	7,2	28,1	19,0	39,8	30,8	51,6	42,5	63,4	54,3	75,2	66,1	28,1	19,0	2,790
SR 5/5			23,3	12,0	35,1	23,8	46,9	35,5	58,6	47,3	70,4	59,1	35,1	23,8	2,860
SR 6/6					30,3	16,7	42,1	28,5	53,9	40,3	65,6	52,0	42,1	28,5	2,930

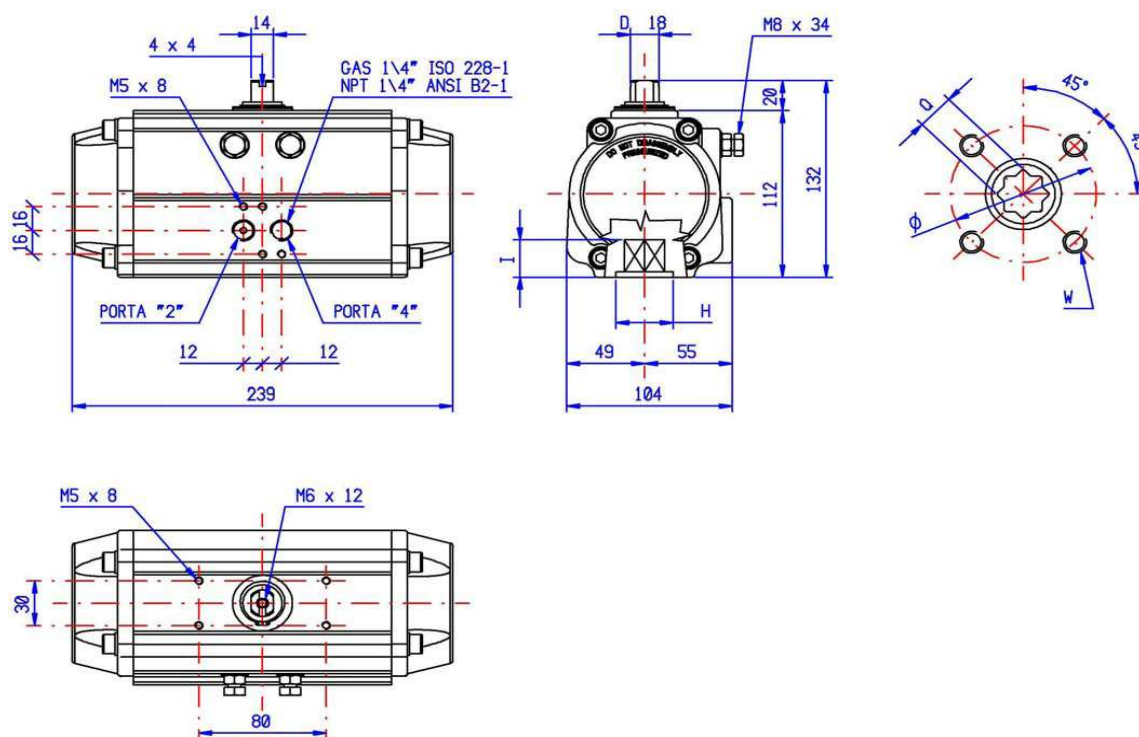
ADDITIONAL DATA

Chamber Diam.	75 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	0,7 litres
CLOSING TIME	0,7 sek
OPENING TIME	0,7 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F05/F07		
ISO 5211	F05	F07
Ø	50	70
W	M 6x9	M 8x12
Q	17	17
I	20	20
H	35	35

RE 086



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 086 DA	3	4	5	6	7	8	9	10	
	51,7	68,9	86,1	103,4	120,6	137,8	155,0	172,3	3,495

SPRING RETURN TORQUE RATINGS (Nm)

RE 086 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	33,8	17,8	51,1	35,1	68,3	52,3	85,5	69,5	102,7	86,7	120,0	104,0	33,8	17,8	3,825
SR 4/4	27,9	6,6	45,1	23,8	62,3	41,0	79,6	58,2	96,8	75,5	114,0	92,7	45,1	23,8	3,935
SR 5/5			39,2	12,5	56,4	29,7	73,6	47,0	90,8	64,2	108,1	81,4	56,4	29,7	4,045
SR 6/6					50,4	18,5	67,7	35,7	84,9	52,9	102,1	70,1	67,7	35,7	4,155

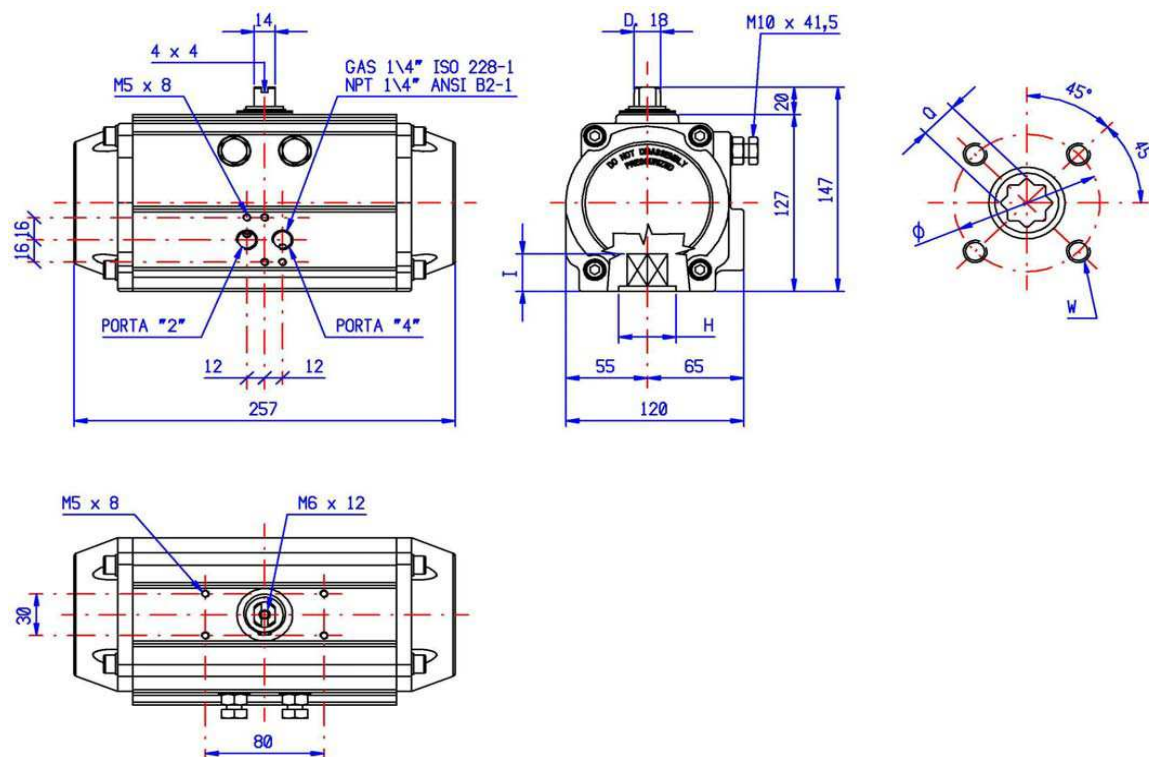
ADDITIONAL DATA

Chamber Diam.	85 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	1,0 litres
CLOSING TIME	0,8 sek
OPENING TIME	0,8 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F05/F07		
ISO 5211	F05	F07
Ø	50	70
W	M 6x9	M 8x12
Q	17	17
I	20	20
H	40	40

RE 101



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 101 DA	3	4	5	6	7	8	9	10	
	82,4	109,8	137,3	164,8	192,2	219,7	247,1	274,6	4,725

SPRING RETURN TORQUE RATINGS (Nm)

RE 101 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8		90°	0°	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°			
SR 3/3	50,1	32,3	77,5	59,7	105,0	87,2	132,5	114,7	159,9	142,1	187,4	169,6	50,1	32,3	5,175
SR 4/4	39,3	15,6	66,8	43,0	94,2	70,5	121,7	98,0	149,2	125,4	176,6	152,9	66,8	43,1	5,325
SR 5/5			56,0	26,4	83,5	53,8	110,9	81,3	138,4	108,7	165,9	136,2	83,5	53,8	5,475
SR 6/6					72,7	37,1	100,2	64,6	127,6	92,0	155,1	119,5	100,2	64,6	5,625

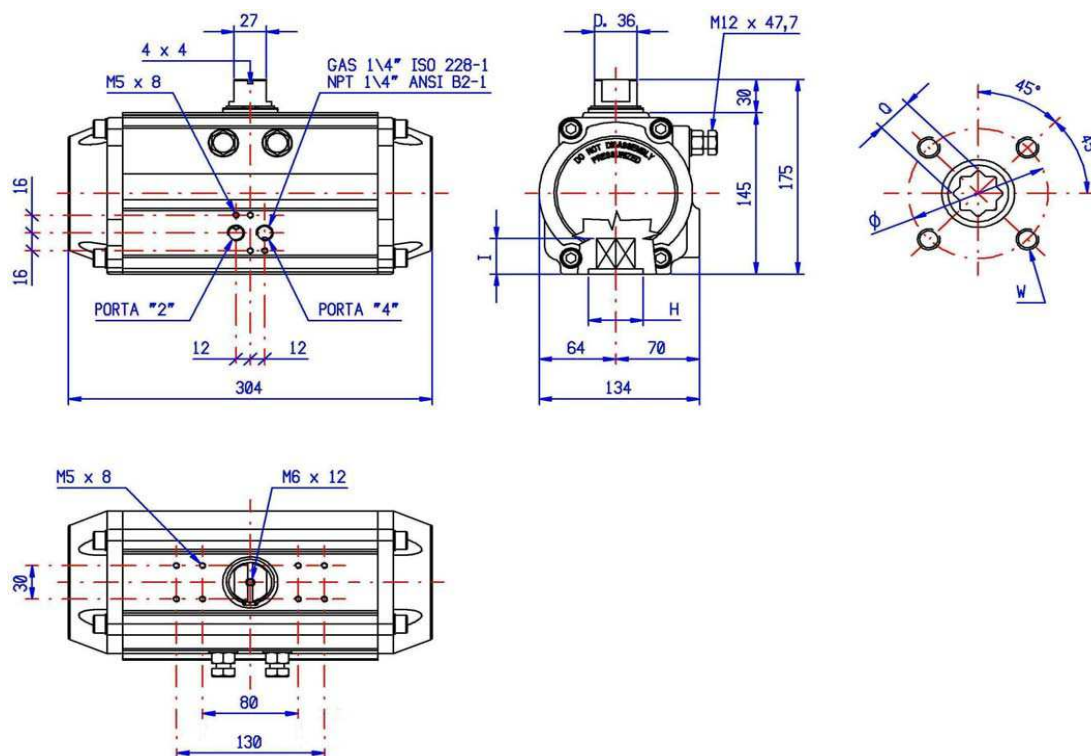
ADDITIONAL DATA

Chamber Diam.	100 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	1,8 litres
CLOSING TIME	0,9 sek
OPENING TIME	0,9 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F05/07/10 - F07/10			
ISO 5211	F05	F07	F10
Ø	50	70	102
W	M 6x9	M 8x12	M 10x15
Q	22	22	22
I	25	25	25
H	40	55	55

RE 116



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 116 DA	3	4	5	6	7	8	9	10	
	131,1	174,9	218,6	262,3	306,0	349,7	393,4	437,1	7,280

SPRING RETURN TORQUE RATINGS (Nm)

RE 116 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8		90°	0°	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°			
SR 3/3	80,7	50,5	124,4	94,2	168,1	137,9	211,8	181,6	255,5	225,3	299,3	269,0	80,7	50,5	7,970
SR 4/4	63,9	23,5	107,6	67,3	151,3	111,0	195,0	154,7	238,7	198,4	282,4	242,1	107,6	67,3	8,200
SR 5/5			90,8	40,4	134,5	84,1	178,2	127,8	221,9	171,5	265,6	215,2	134,5	84,1	8,430
SR 6/6					117,7	57,2	161,4	100,9	205,1	144,6	248,8	188,3	161,4	100,9	8,660

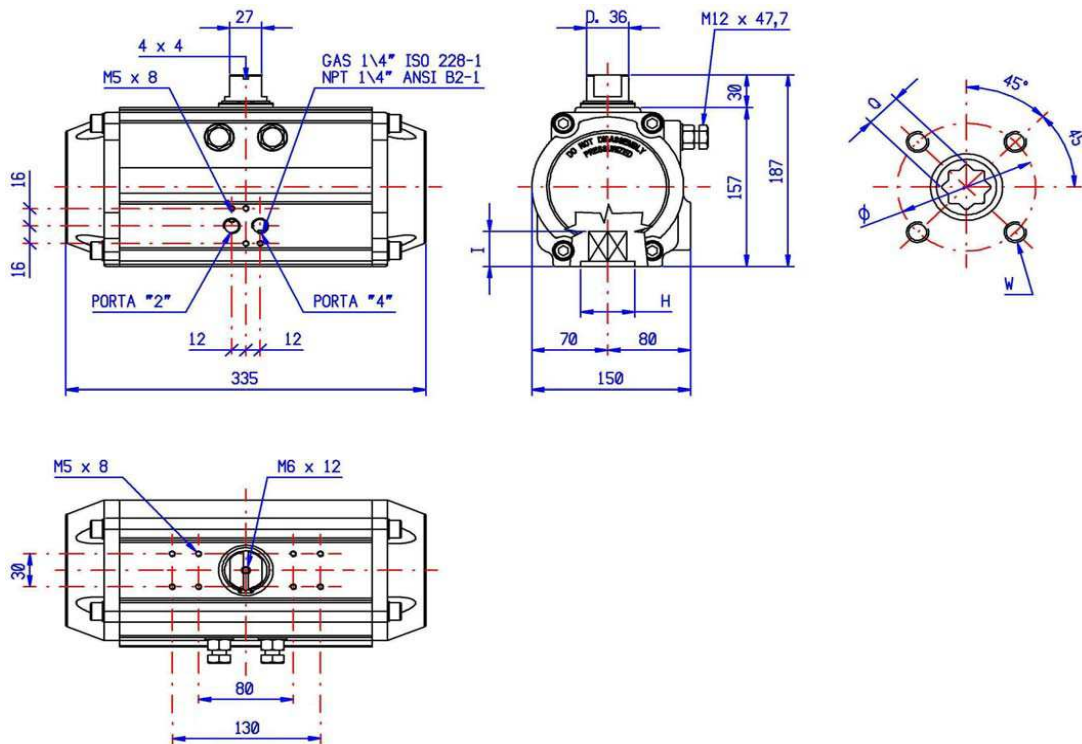
ADDITIONAL DATA

Chamber Diam.	115 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	2,9 litres
CLOSING TIME	1,0 sek
OPENING TIME	1,0 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F07/10		
ISO 5211	F07	F10
Ø	70	102
W	M 8x12	M 10x15
Q	22	22
I	25	25
H	55	55

RE 126



DOUBLE ACTING TORQUE RATINGS (Nm)									
AIR SUPPLY IN BAR									WEIGHT kg
RE 126 DA	3	4	5	6	7	8	9	10	
	169,9	226,5	283,2	339,8	396,4	453,0	509,7	566,3	

SPRING RETURN TORQUE RATINGS (Nm)															
RE 126 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	105,0	64,9	161,6	121,5	218,2	178,2	274,9	234,8	331,6	291,4	388,1	348,0	105,0	64,9	10,070
SR 4/4	83,3	29,9	140,0	86,5	196,6	143,2	253,2	199,8	309,9	256,4	366,5	313,0	140,0	86,6	10,470
SR 5/5			118,3	51,5	175,0	108,2	231,6	164,8	288,2	221,4	344,8	278,1	175,0	108,2	10,870
SR 6/6					153,3	73,2	210,0	129,8	266,6	186,4	323,2	243,1	210,0	129,8	11,270

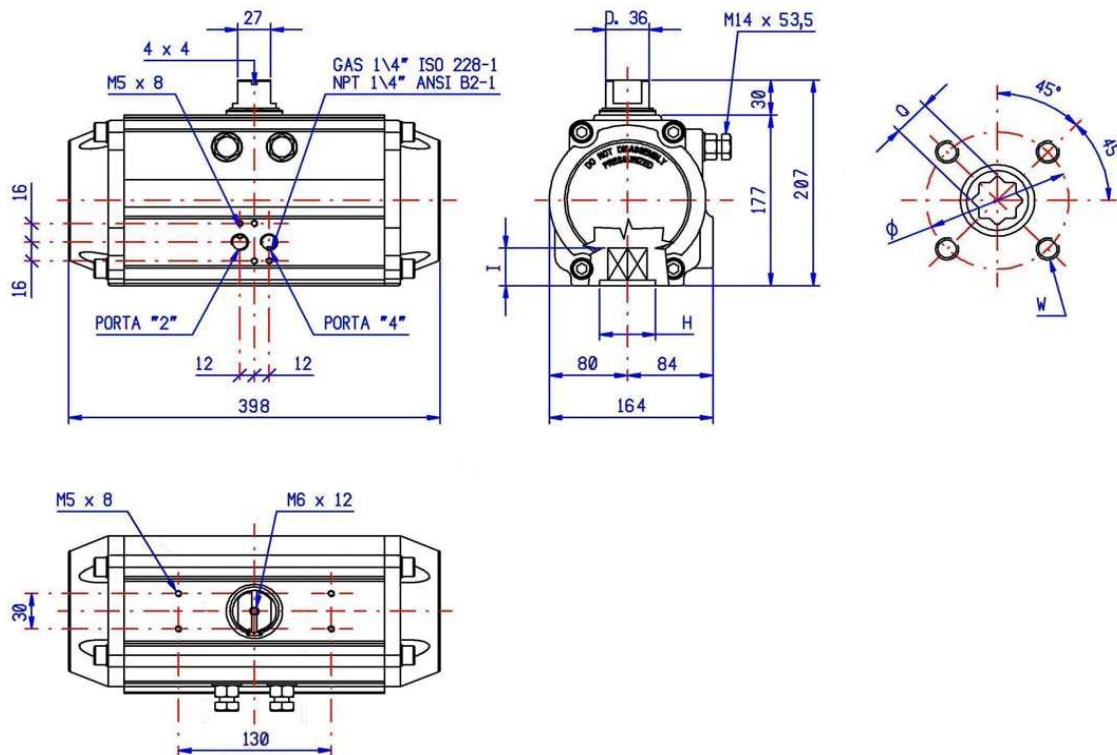
ADDITIONAL DATA

Chamber Diam.	125 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	3,7 litres
CLOSING TIME	1,2 sek
OPENING TIME	1,2 sek
STD. GREASE	MOLYBDENUM BISULP.

AVAILABLE FORCE INTAKES

F07/10		
ISO 5211	F07	F10
Ø	70	102
W	M 8x12	M 10x15
Q	27	27
I	30	30
H	55	55

RE 146



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 146 DA	3	4	5	6	7	8	9	10	
	265,1	353,4	441,8	530,1	618,5	706,9	795,2	883,6	14,850

SPRING RETURN TORQUE RATINGS (Nm)

RE 146 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	162,5	102,6	250,8	190,9	339,2	279,3	427,5	367,7	515,9	456,0	604,3	544,4	162,5	102,6	16,470
SR 4/4	128,3	48,4	216,6	136,8	305,0	225,1	393,3	313,5	481,7	401,9	570,1	490,2	216,6	136,8	17,100
SR 5/5			182,4	82,6	270,8	171,0	359,1	259,3	447,5	347,7	535,9	436,0	270,8	171,0	17,550
SR 6/6					236,6	116,8	324,9	205,2	413,3	293,5	501,7	381,9	325,0	205,2	18,090

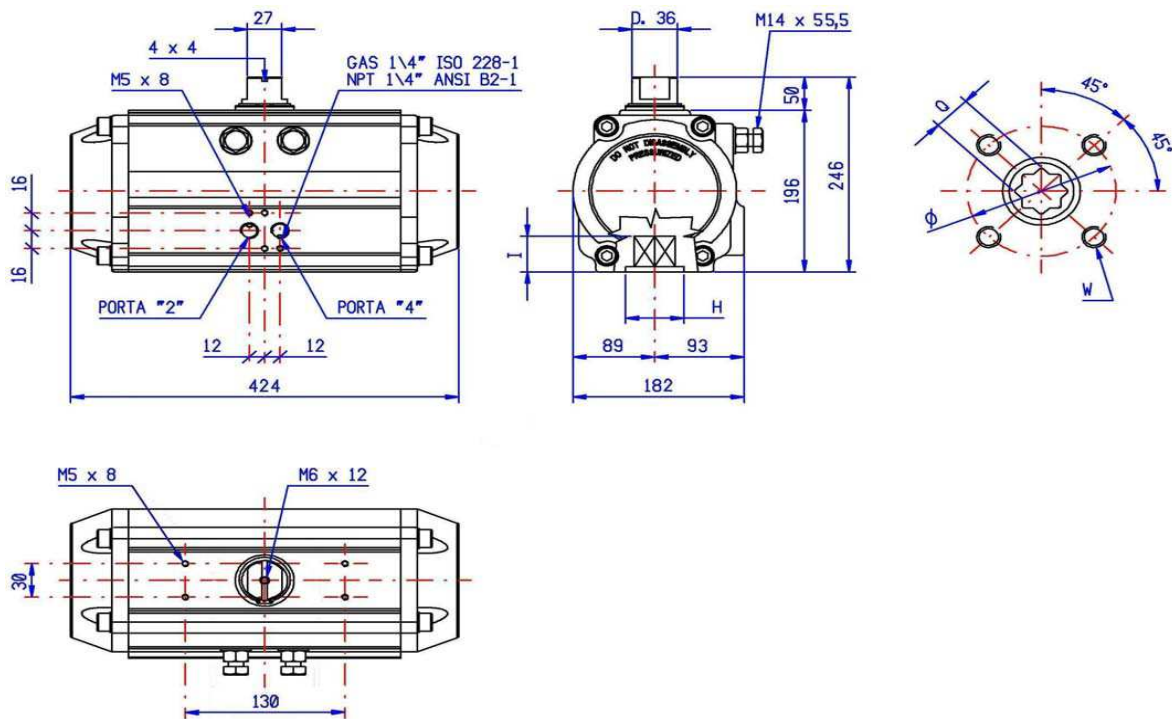
ADDITIONAL DATA

Chamber Diam.	145 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	
CLOSING TIME	1,1 sek
OPENING TIME	1,3 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F10/12				
ISO 5211	F10		F12	
Ø	102		125	
W	M 10x15		M 12x18	
Q	22	27	22	27
I	25	50	25	30
H	70		70	

RE 161



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR									WEIGHT kg
RE 161 DA	3	4	5	6	7	8	9	10	
	344,6	459,5	574,3	689,2	804,1	918,9	1034,0	1149,0	19,720

SPRING RETURN TORQUE RATINGS (Nm)

RE 161 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	202,7	141,9	317,5	256,8	432,4	371,6	547,3	486,5	662,1	601,4	777,0	716,2	202,7	141,9	21,790
SR 4/4	155,3	74,3	270,2	189,2	385,1	304,1	499,9	418,9	614,8	533,8	729,7	648,7	270,2	189,2	22,480
SR 5/5			222,9	121,6	337,8	236,5	452,6	351,4	567,5	466,2	682,4	581,1	337,8	236,5	23,170
SR 6/6					290,4	168,9	405,3	283,8	520,2	398,6	635,0	513,5	405,3	283,8	23,860

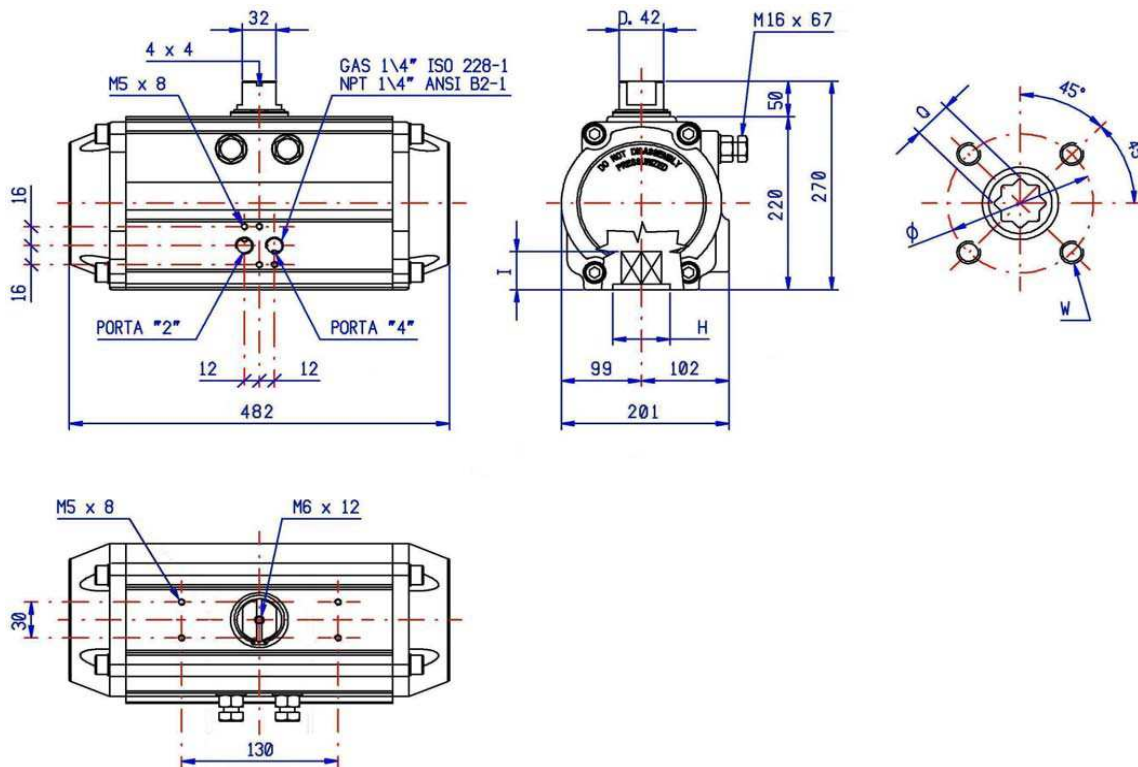
ADDITIONAL DATA

Chamber Diam.	160 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	7,9 litres
CLOSING TIME	1,5 sek
OPENING TIME	1,7 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F10/12		
ISO 5211	F10	F12
Ø	102	125
W	M 10x15	M 12x18
Q	27	27
I	30	30
H	75	75

RE 181



DOUBLE ACTING TORQUE RATINGS (Nm)									
AIR SUPPLY IN BAR									WEIGHT kg
RE 181 DA	3	4	5	6	7	8	9	10	
	469,7	626,3	783	939	1096	1253	1409	1565	25,400

SPRING RETURN TORQUE RATINGS (Nm)															
RE 181 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8		90°	0°	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°			
SR 3/3	281,6	188,2	438,1	344,7	594,7	501,3	751,3	657,9	907,8	814,5	1064,0	971,0	281,5	188,2	28,520
SR 4/4	218,8	94,3	375,4	250,9	532,0	407,5	688,5	564,0	845,1	720,6	1002,0	877,2	375,4	250,9	29,560
SR 5/5			312,7	157,0	469,3	313,6	625,8	470,2	782,4	626,8	939,0	783,3	469,3	313,6	30,600
SR 6/6					406,5	219,8	563,1	376,3	719,7	532,9	876,2	689,5	563,1	376,3	31,640

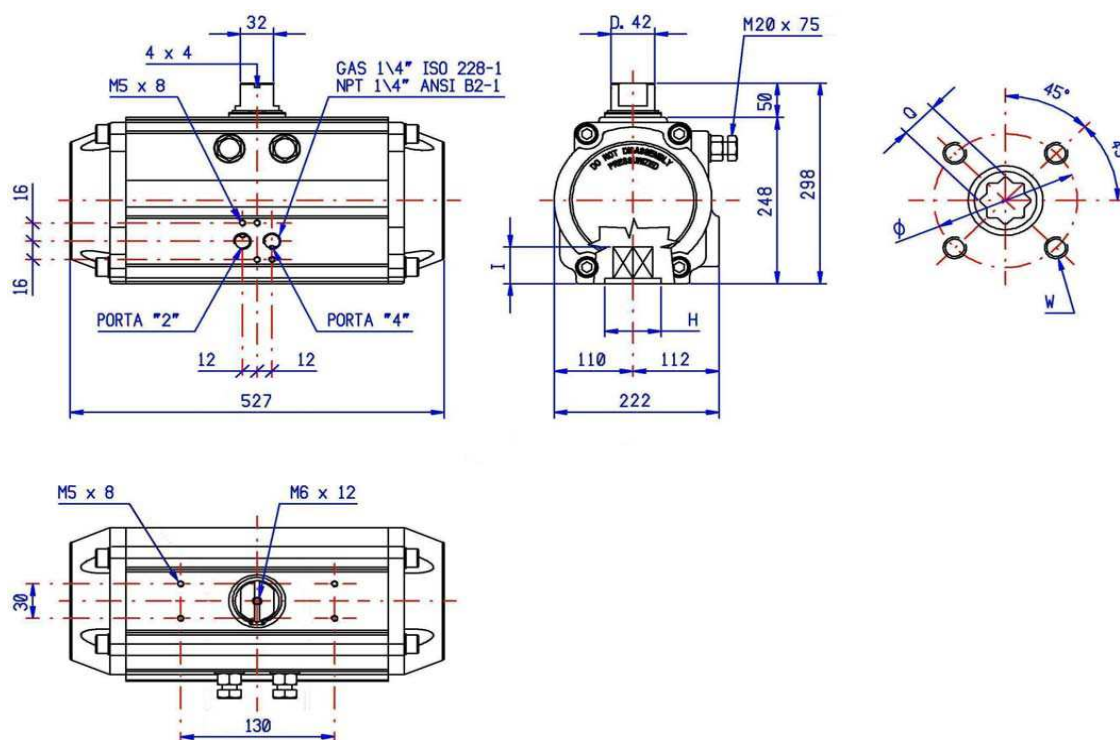
ADDITIONAL DATA

Chamber Diam.	181 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	
CLOSING TIME	1,9 sek
OPENING TIME	2,2 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F10/12 - F14						
ISO 5211	F10		F12		F14	
Ø	102		125		140	
W	M 10x15		M 12x18		M 16x24	
Q	27	36	27	36	27	36
I	30	39	30	39	30	39
H	85		85		100	

RE 201



DOUBLE ACTING TORQUE RATINGS (Nm)									
AIR SUPPLY IN BAR									WEIGHT kg
RE 201 DA	3	4	5	6	7	8	9	10	
	646,0	861,3	1077	1292	1507	1723	1938	2153	36,800

SPRING RETURN TORQUE RATINGS (Nm)															
RE 201 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	386,2	259,8	601,5	475,1	816,8	690,5	1032	905,8	1247	1121	1436	1336	386,2	259,8	41,240
SR 4/4	299,6	131,1	514,9	346,4	730,2	561,8	945,5	777,1	1160	992,4	1376	1208	514,9	346,4	42,750
SR 5/5			428,3	217,7	643,6	433,0	858,9	648,4	1074	863,7	1290	1079	643,6	433,0	44,200
SR 6/6					557,0	304,3	772,3	519,6	987,6	735,0	1203	950,3	772,3	519,6	45,680

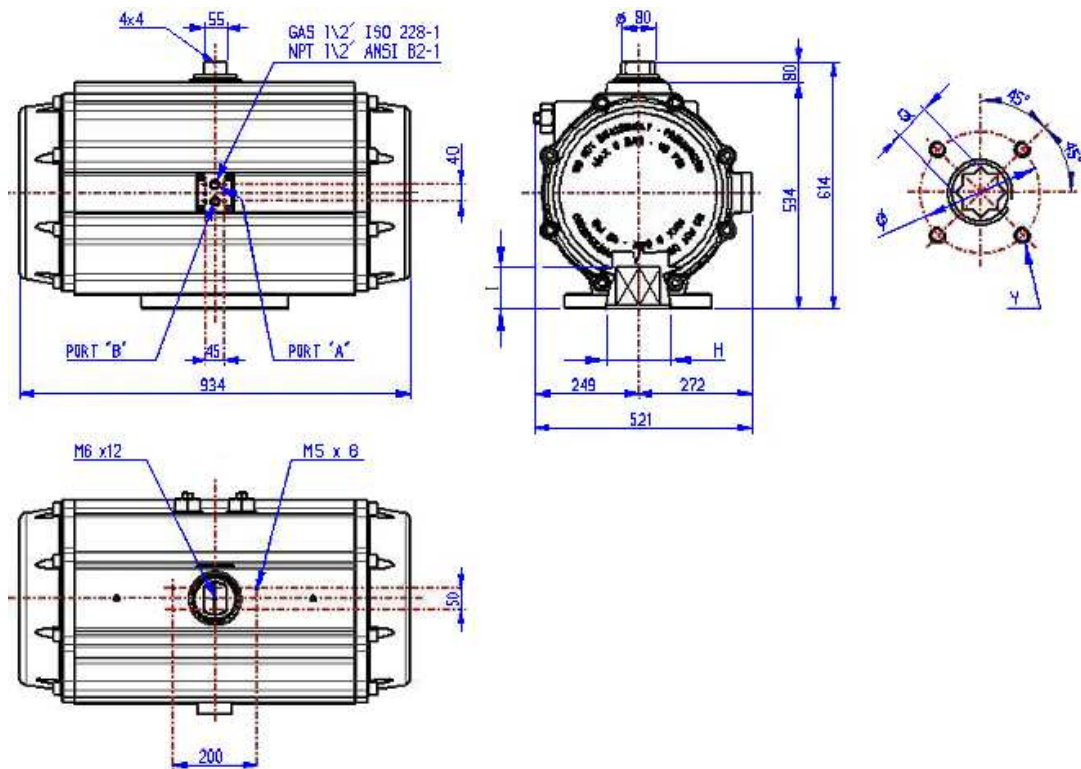
ADDITIONAL DATA

Chamber Diam.	200 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	14,4 litres
CLOSING TIME	2,7 sek
OPENING TIME	3,2 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F10/12 - F14					
ISO 5211	F10	F12	F14		
Ø	102	125	140		
W	M 10x15	M 12x18	M 16x24		
Q	27 36	27 36	27	36	
I	30 39	30 39	30	39	
H	85	85	100		

RE 241



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR							WEIGHT kg
RE 241 DA	3	4	5	6	7	8	
	1118,0	1490,0	1863	2235	2608	2980	62,0

SPRING RETURN TORQUE RATINGS (Nm)

RE 241 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	664,0	453,6	1037,0	826,2	1409,0	1199,0	1782,0	1571,0	2154	1944	2527	2316	664,0	453,6	69,2
SR 4/4			885,4	604,8	1258,0	977,4	1631,0	1350,0	2003	1723	2376	2095	885,4	604,8	71,6
SR 5/5					1107,0	756,0	1479,0	1129,0	1852	1501	2224	1874	1107,0	756,0	74,0
SR 6/6					995,5	534,7	1328,0	907,2	1701	1280	2073	1652	1328,0	907,2	76,4

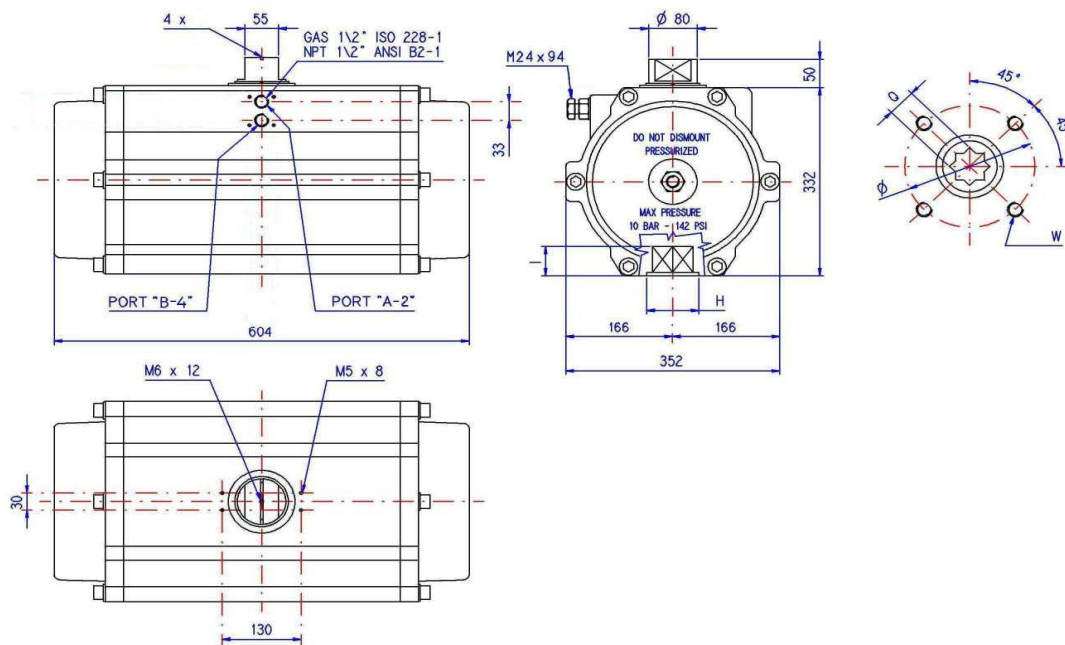
ADDITIONAL DATA

Chamber Diam.	240 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	
CLOSING TIME	4,1 sek
OPENING TIME	4,5 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F14 - F16			
ISO 5211	F14		F16
Ø	140		165
W	M 16 x 24		M 20 x 23
Q	36	46	36 46
I	39	50	39 50
H	100		130

RE 271



DOUBLE ACTING TORQUE RATINGS (Nm)

AIR SUPPLY IN BAR							WEIGHT kg
RE 271 DA	3	4	5	6	7	8	
	1617,0	2157,0	2696	3235	3774	4314	96,0

SPRING RETURN TORQUE RATINGS (Nm)

RE 271 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	912,5	705,1	1452	1244	1991	1784	2530	2323	3069	2862	3606	3401	912,5	705,1	105,500
SR 4/4			1217	940,2	1756	1479	2295	2019	2834	2558	3374	3097	1217	940,1	108,660
SR 5/5					1521	1176	2060	1714	2599	2144	3139	2793	1521	1175	111,830
SR 6/6					1286	871,0	1825	1410	2364	1954	2903	2489	1825	1410	115,000

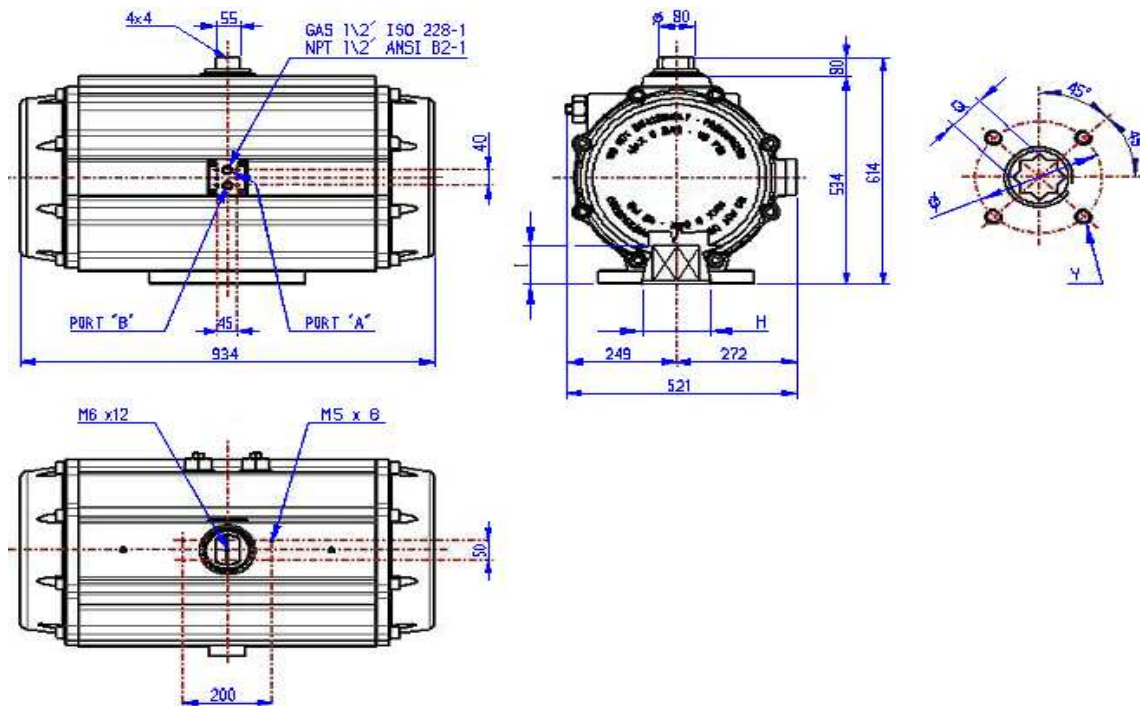
ADDITIONAL DATA

Chamber Diam.	270 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	
CLOSING TIME	4,5 sek
OPENING TIME	4,5 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F14 - F16			
ISO 5211	F14		F16
Ø	140		165
W	M 16 x 24		M 20 x 23
Q	36	46	36 46
I	39	50	39 50
H	100		130

RE 421



DOUBLE ACTING TORQUE RATINGS (Nm)

RE 421 DA	AIR SUPPLY IN BAR						WEIGHT kg
	3	4	5	6	7	8	
	5013,0	6684,0	8354	10025	11696	13367	210,0

SPRING RETURN TORQUE RATINGS (Nm)

RE 421 SR	AIR SUPPLY IN BAR												Torque Springs		WEIGHT kg
	3		4		5		6		7		8				
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°	
SR 3/3	2999	2014	4670	3685	6340	5356	8011	7026	9682	8697	11353	10368	2999	2014	244,5
SR 4/4	2327	1014	3998	2685	5669	4356	7340	6027	9011	7698	10682	9369	3999	2685	256,0
SR 5/5			3327	1685	4998	3356	6669	5027	8340	6698	10010	8369	4998	3357	267,5
SR 6/6					4327	2357	5997	4028	7668	5698	9339	7369,0	5998	4028	279,0

ADDITIONAL DATA

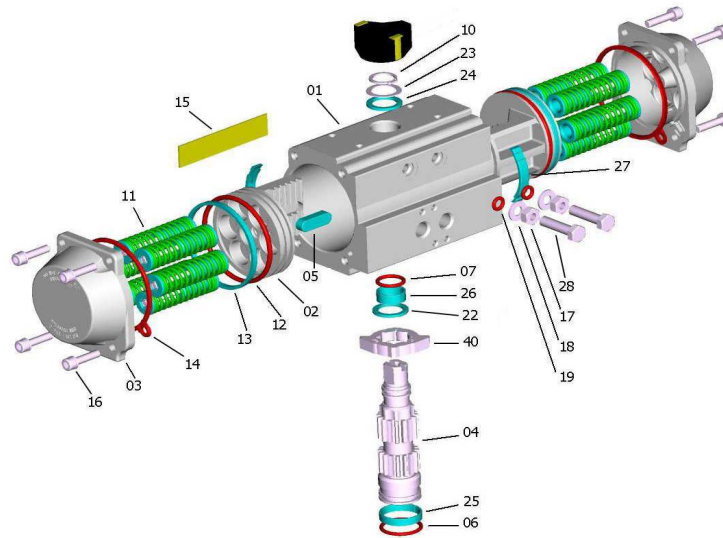
Chamber Diam.	420 mm
MAX.PRESSURE	8 bar
ROTATION	90° ± 5°
VOLUME	131 litres
CLOSING TIME	9,0 sek
OPENING TIME	8,0 sek
STD. GREASE	SYNTHETIC

AVAILABLE FORCE INTAKES

F25 - F30					
ISO 5211	F25		F30		
Ø	125		140		
W	M 16x24		M 20x23		
Q	55	75	75	55	75
I	60	80	80	60	80
H	200		200		

RE Serie

CONSTRUCTION PARTS

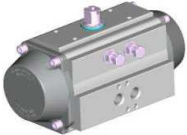


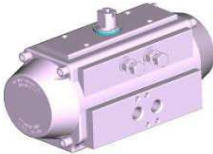
Part	Description	Quantity	Material	Specifikation	Protection
1	Body	1	Extruded aluminium alloy	ASTM 6063 T6	A - N - TF
2	Piston	2	Aluminium alloy	ASTM B179 - DIN1725/5	A
3	Cover	2	Aluminium alloy	ASTM B179 - DIN1725/5	N - V - TF
4	Shaft	1	Carbon steel optional S.S. AISI 316 (A4)	ASTM A105, AISI 316	
5	Antiejection key	2	Acetalic resin, PA66, PA66		N
6	Lower shaft O-Ring NBR -	1	NBR, FPM/FKM, Silicon		
7	Upper shaft O-Ring	1	NBR, FPM/FKM, Silicon		
10	Seeger ring	1	Carbon steel		N
11	Spring cartidge	0-12	Carbon steel, PA 66, S.S.	C-98	V
12	Piston O-Ring	2	NBR, FPM/FKM, Silicone		
13	Piston head bearing	2	Acetalic resin, FPM/FKM, Silicone		
14	Cover gasket	2	NBR, FPM/FKM, Silikon		
15	Nameplate	1	Stainless Steel		
16	Cover fastening screw	4+4	Stainless Steel	AISI 304 (A2)	
17	Nut	2	Stainless Steel	AISI 304 (A2)	
18	Washer	2	Stainless Steel	AISI 304 (A2)	
19	O-Ring	2	NBR, FPM/FKM, Silikon		
22	Gear antifriction washer	1	Acetalic resin, PA66, PA66	AISI 304 (A2)	
23	Shaft thrust washer	1	Stainless Steel		
24	Shaft antifriction washer	1	Acetalic resin, PA66, PA66		
25	Lower shaft pilot ring	1	Acetalic resin, PA66, PA66		
26	Upper shaft pilot ring	1	Acetalic resin, PA66, PA66		
27	Piston bearing	2	Acetalic resin, PA66, PA66		
28	Piston dowel	2	Stainless Steel	AISI 304 (A2)	
40	External adjusting gear	1	Stainless Steel	AISI 316 (A4)	

Material: Standard | **High temperatures** | **Low temperatures**

Coatings: A = Anodizing | N = chemical Nickel-plating | V = Painting | TF = Anodizing+PTFE

COATINGS – MATERIAL TREATMENTS

AV COATING		Body	Covers	Pistons	Shaft	Used for
		Anodizing	Polyester painting	Anodizing	High phosphorous nickel-plating (12%)	Industry, general applications
	Colour	Gray	Gray	Brown	Polished steel	
	Thickness	25 µ	60/80 µ	15 µ	20 µ	

NN COATING						
		High phosphorous nickel-plating (12%)	High phosphorous nickel-plating (12%)	Anodizing	High phosphorous nickel-plating (12%)	Industry, general applications Caustic soda, Detergents, Low alkaline solution.
	Colour	Polished steel	Polished steel	Brown	Polished steel	
	Thickness	20 µ	20 µ	15 µ	20 µ	

TF COATING						
		Anodizing and PTFE coating	Anodizing and PTFE coating	Anodizing	High phosphorous nickel-plating (12%) opt. AISI 316 (A4)	Industry, general applications, Low alkaline and low acid solutions, Marine environments, High temperatures
	Colour	Blue	Blue	Brown	Polished steel	
	Thickness	Anod. 25 µ PTFE 15 µ	Anod. 25 µ PTFE 15 µ	15 µ	20 µ	

ANODIZING

Anodizing is an electrolytic process that produces anodic coating on aluminum, called alumine, with high thickness. Alumine is one of the most hard known materials, with resistance values up to 400 -600 HV (45-65 HRC); properties and features of Anodizing (alumine thickness 25 micron) are well known and appreciated both for mechanical and chemical resistance.

Best friction and corrosion resistance, best surface hardness, good thermic and electrical insulation.

ELECTROLESS NICKEL-PLATING

Chemical nickel-plating is an electroless coating process that gives nickel layers at extremely constant thickness also on sharp angles, blind -holes, threads and grooves recess. During the process, nickel is combined with phosphor at a percentage of 12% (high-phosphor). The obtained surface hardness is about 400 -480 HV (45-55 HRC).

Best friction and corrosion resistance, best surface hardness, best external appearance similar to S.S., increased resistance to alkali and detergents in sanitary and food applications.

POLYESTER PAINTING

Polyester painting is obtained through powder coatings on polarized parts, by means of light differences in electrical potentials. After applications, parts are baked in order to polymerize and let the painting be spread to avoid micro -porosity. The best elasticity can be obtained at 60/80 micron thickness; a satisfactory adhesion can be assured by sandblasting or brushing, and by special degreasing baths of the rough pieces to be treated.

Better corrosion resistance, protection against crashes, better external appearance and several available colours, resistance to chemicals.

ANODIZING + PTFE COATING

As further improvement of the hard anodizing treatment on aluminium alloys, protective coatings made of PTFE are used; this material is known for its particular chemical and physical features. On these double treated surfaces, oxide hardness and low roughness (internal slipping parts) is summed to the chemical resistance and the excellent qualities as a thermic barrier of PTFE (external surface, subject to corrosion).

Better corrosion resistance, protection against high temperatures and crashes, extreme resistance to chemicals and in marine environments.

AISI 316 (A4) STAINLESS STEEL SHAFT - OPTIONAL

AISI 316 (A4) Stainless Steel shaft, with its great corrosion resistance, is recommended for special applications such as: marine and chemical environments, food and pharmaceutical industry, high temperature applications.

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
construction: standard double acting						
RE051	F03/F05	11 mm	20,1 Nm			
RE064	F03/05/07	14 mm	35,5 Nm			
RE076	F05/07	17 mm	70,6 Nm			
RE086	F05/07	17 mm	103,4 Nm			
RE101	F07/10	22 mm	164,8 Nm			
RE116	F07/10	22 mm	262,3 Nm			
RE126	F07/10	27 mm	339,8 Nm			
RE146	F10/12	27 mm	530,1 Nm			
RE161	F10/12	27 mm	689,2 Nm			
RE181	F10/12	27 mm	939 Nm			
RE201	F14	36 mm	1292 Nm			
RE241	F14	36 mm	2235 Nm			
RE271	F16	46 mm	3235 Nm			
RE421	F(16)/25/30	75 mm	10025 Nm			
construction: standard single acting 4/4 springs						
RE051SR-4/4	F03/F05	11 mm	5,7 Nm			
RE064SR-4/4	F03/05/07	14 mm	9,4 Nm			
RE076SR-4/4	F05/07	17 mm	19,0 Nm			
RE086SR-4/4	F05/07	17 mm	23,8 Nm			
RE101SR-4/4	F07/10	22 mm	43,0 Nm			
RE116SR-4/4	F07/10	22 mm	67,3 Nm			
RE126SR-4/4	F07/10	27 mm	86,5 Nm			
RE146SR-4/4	F10/12	27 mm	136,8 Nm			
RE161SR-4/4	F10/12	27 mm	189,2 Nm			
RE181SR-4/4	F10/12	27 mm	250,9 Nm			
RE201SR-4/4	F14	36 mm	346,4 Nm			
RE241SR-4/4	F14	36 mm	604,8 Nm			
RE271SR-4/4	F16	46 mm	940,1 Nm			
RE421SR-4/4	F(16)/25/30	75 mm	2685 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
construction: standard single acting 6/6 springs						
RE051SR-6/6	F03/F05	11 mm	8,5 Nm			
RE064SR-6/6	F03/05/07	14 mm	14,1 Nm			
RE076SR-6/6	F05/07	17 mm	28,5 Nm			
RE086SR-6/6	F05/08	17 mm	35,7 Nm			
RE101SR-6/6	F07/10	22 mm	64,6 Nm			
RE116SR-6/6	F07/10	22 mm	100,9 Nm			
RE126SR-6/6	F07/10	27 mm	129,8 Nm			
RE146SR-6/6	F10/12	27 mm	205,2 Nm			
RE161SR-6/6	F10/12	27 mm	283,8 Nm			
RE181SR-6/6	F10/12	27 mm	376,3 Nm			
RE201SR-6/6	F14	36 mm	519,6 Nm			
RE241SR-6/6	F14	36 mm	907,2 Nm			
RE271SR-6/6	F16	46 mm	1410 Nm			
RE421SR-6/6	F(16)/25/30	75 mm	4028 Nm			
construction: chemical nickel-plating (ENP) double acting						
RE051-ENP	F03/F05	11 mm	20,1 Nm			
RE064-ENP	F03/05/07	14 mm	35,5 Nm			
RE076-ENP	F05/07	17 mm	70,6 Nm			
RE086-ENP	F05/07	17 mm	103,4 Nm			
RE101-ENP	F07/10	22 mm	164,8 Nm			
RE116-ENP	F07/10	22 mm	262,3 Nm			
RE126-ENP	F07/10	27 mm	339,8 Nm			
RE146-ENP	F10/12	27 mm	530,1 Nm			
RE161-ENP	F10/12	27 mm	689,2 Nm			
RE181-ENP	F10/12	27 mm	939 Nm			
RE201-ENP	F14	36 mm	1292 Nm			
RE241-ENP	F14	36 mm	2235 Nm			
RE271-ENP	F16	46 mm	3235 Nm			
RE421-ENP	F(16)/25/30	75 mm	10025 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
construction: chemical nickel-plating (ENP) single acting 4/4 springs						
RE051SR-4/4-ENP	F03/F05	11 mm	5,7 Nm			
RE064SR-4/4-ENP	F03/05/07	14 mm	9,4 Nm			
RE076SR-4/4-ENP	F05/07	17 mm	19,0 Nm			
RE086SR-4/4-ENP	F05/08	17 mm	23,8 Nm			
RE101SR-4/4-ENP	F07/10	22 mm	43,0 Nm			
RE116SR-4/4-ENP	F07/10	22 mm	67,3 Nm			
RE126SR-4/4-ENP	F07/10	27 mm	86,5 Nm			
RE146ST-4/4-ENP	F10/12	27 mm	136,8 Nm			
RE161SR-4/4-ENP	F10/12	27 mm	189,2 Nm			
RE181SR-4/4-ENP	F10/12	27 mm	250,9 Nm			
RE201SR-4/4-ENP	F14	36 mm	346,4 Nm			
RE241SR-4/4-ENP	F14	36 mm	604,8 Nm			
RE271SR-4/4-ENP	F16	46 mm	940,1 Nm			
RE421SR-4/4-ENP	F(16)/25/30	75 mm	2685 Nm			
construction: chemical nickel-plating (ENP) single acting 6/6 springs						
RE051SR-6/6-ENP	F03/F05	11 mm	8,5 Nm			
RE064SR-6/6-ENP	F03/05/07	14 mm	14,1 Nm			
RE076SR-6/6-ENP	F05/07	17 mm	28,5 Nm			
RE086SR-6/6-ENP	F05/07	17 mm	35,7 Nm			
RE101SR-6/6-ENP	F07/10	22 mm	64,6 Nm			
RE116SR-6/6-ENP	F07/10	22 mm	100,9 Nm			
RE126SR-6/6-ENP	F07/10	27 mm	129,8 Nm			
RE146SR-6/6-ENP	F10/12	27 mm	205,2 Nm			
RE161SR-6/6-ENP	F10/12	27 mm	283,8 Nm			
RE181ST-6/6-ENP	F10/12	27 mm	376,3 Nm			
RE201SR-6/6-ENP	F14	36 mm	519,6 Nm			
RE241SR-6/6-ENP	F14	36 mm	907,2 Nm			
RE271SR-6/6-ENP	F16	46 mm	1410 Nm			
RE421SR-6/6-ENP	F(16)/25/30	75 mm	4028 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
construction: PTFE coated (TFV) double acting						
RE051-TFV	F03/F05	11 mm	20,1 Nm			
RE064-TFV	F03/05/07	14 mm	35,5 Nm			
RE076-TFV	F05/07	17 mm	70,6 Nm			
RE086-TFV	F05/07	17 mm	103,4 Nm			
RE101-TFV	F07/10	22 mm	164,8 Nm			
RE116-TFV	F07/10	22 mm	262,3 Nm			
RE126-TFV	F07/10	27 mm	339,8 Nm			
RE146-TFV	F10/12	27 mm	530,1 Nm			
RE161-TFV	F10/12	27 mm	689,2 Nm			
RE181-TFV	F10/12	27 mm	939 Nm			
RE201-TFV	F14	36 mm	1292 Nm			
RE241-TFV	F14	36 mm	2235 Nm			
RE271-TFV	F16	46 mm	3235 Nm			
RE421-TFV	F(16)/25/30	75 mm	10025 Nm			
construction: PTFE coated (TFV) single acting 4/4 springs						
RE051SR-4/4-TFV	F03/F05	11 mm	5,7 Nm			
RE064SR-4/4-TFV	F03/05/07	14 mm	9,4 Nm			
RE076SR-4/4-TFV	F05/07	17 mm	19,0 Nm			
RE086SR-4/4-TFV	F05/07	17 mm	23,8 Nm			
RE101SR-4/4-TFV	F07/10	22 mm	43,0 Nm			
RE116SR-4/4-TFV	F07/10	22 mm	67,3 Nm			
RE126SR-4/4-TFV	F07/10	27 mm	86,5 Nm			
RE146SR-4/4-TFV	F10/12	27 mm	136,8 Nm			
RE161SR-4/4-TFV	F10/12	27 mm	189,2 Nm			
RE181SR-4/4-TFV	F10/12	27 mm	250,9 Nm			
RE201SR-4/4-TFV	F14	36 mm	346,4 Nm			
RE241SR-4/4-TFV	F14	36 mm	604,8 Nm			
RE271SR-4/4-TFV	F16	46 mm	940,1 Nm			
RE421SR-4/4-TFV	F(16)/25/30	75 mm	2685 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
construction: PTFE coated (TFV) single acting 6/6 springs						
RE051SR-6/6-TFV	F03/F05	11 mm	8,5 Nm			
RE064SR-6/6-TFV	F03/05/07	14 mm	14,1 Nm			
RE076SR-6/6-TFV	F05/07	17 mm	28,5 Nm			
RE086SR-6/6-TFV	F05/07	17 mm	35,7 Nm			
RE101SR-6/6-TFV	F07/10	22 mm	64,6 Nm			
RE116SR-6/6-TFV	F07/10	22 mm	100,9 Nm			
RE126SR-6/6-TFV	F07/10	27 mm	129,8 Nm			
RE146SR-6/6-TFV	F10/12	27 mm	205,2 Nm			
RE161SR-6/6-TFV	F10/12	27 mm	283,8 Nm			
RE181SR-6/6-TFV	F10/12	27 mm	376,3 Nm			
RE201SR-6/6-TFV	F14	36 mm	519,6 Nm			
RE241SR-6/6-TFV	F14	36 mm	907,2 Nm			
RE271SR-6/6-TFV	F16	46 mm	1410 Nm			
RE421SR-6/6-TFV	F(16)/25/30	75 mm	4028 Nm			

Special models (high/low-temperature)

RE051-HT	F03/F05	11 mm	20,1 Nm
RE064-HT	F03/05/07	14 mm	35,5 Nm
RE076-HT	F05/07	17 mm	70,6 Nm
RE086-HT	F05/07	17 mm	103,4 Nm
RE101-HT	F07/10	22 mm	164,8 Nm
RE116-HT	F07/10	22 mm	262,3 Nm
RE126-HT	F07/10	27 mm	339,8 Nm
RE146-HT	F10/12	27 mm	530,1 Nm
RE161-HT	F10/12	27 mm	689,2 Nm
RE181-HT	F10/12	27 mm	939 Nm
RE201-HT	F14	36 mm	1292 Nm
RE241-HT	F14	36 mm	2235 Nm
RE271-HT	F16	46 mm	3235 Nm
RE421-HT	F(16)/25/30	75 mm	10025 Nm

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
single acting / 4/4 springs / high temperature (-20 °C to 150 °C)						
RE051SR-4/4-HT	F03/F05	11 mm	5,7 Nm			
RE064SR-4/4-HT	F03/05/07	14 mm	9,4 Nm			
RE076SR-4/4-HT	F05/07	17 mm	19,0 Nm			
RE086SR-4/4-HT	F05/07	17 mm	23,8 Nm			
RE101SR-4/4-HT	F07/10	22 mm	43,0 Nm			
RE116SR-4/4-HT	F07/10	22 mm	67,3 Nm			
RE126SR-4/4-HT	F07/10	27 mm	86,5 Nm			
RE146SR-4/4-HT	F10/12	27 mm	136,8 Nm			
RE161SR-4/4-HT	F10/12	27 mm	189,2 Nm			
RE181SR-4/4-HT	F10/12	27 mm	250,9 Nm			
RE201SR-4/4-HT	F14	36 mm	346,4 Nm			
RE126SR-4/4-HT	F14	36 mm	604,8 Nm			
RE126SR-4/4-HT	F16	46 mm	940,1 Nm			
RE421SR-4/4-HT	F(16)/25/30	75 mm	2685 Nm			
single acting / 6/6 springs / high temperature (-20 °C to 150 °C)						
RE051SR-6/6-HT	F03/F05	11 mm	8,5 Nm			
RE064SR-6/6-HT	F03/05/07	14 mm	14,1 Nm			
RE076SR-6/6-HT	F05/07	17 mm	28,5 Nm			
RE086SR-6/6-HT	F05/07	17 mm	35,7 Nm			
RE101SR-6/6-HT	F07/10	22 mm	64,6 Nm			
RE116SR-6/6-HT	F07/10	22 mm	100,9 Nm			
RE126SR-6/6-HT	F07/10	27 mm	129,8 Nm			
RE146SR-6/6-HT	F10/12	27 mm	205,2 Nm			
RE161SR-6/6-HT	F10/12	27 mm	283,8 Nm			
RE181SR-6/6-HT	F10/12	27 mm	376,3 Nm			
RE201SR-6/6-HT	F14	36 mm	519,6 Nm			
RE241SR-6/6-HT	F14	36 mm	907,2 Nm			
RE271SR-6/6-HT	F16	46 mm	1410 Nm			
RE421SR-6/6-HT	F(16)/25/30	75 mm	4028 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
double acting / low temperature (-40 °C to 80 °C)						
RE051-LT	F03/F05	11 mm	20,1 Nm			
RE064-LT	F03/05/07	14 mm	35,5 Nm			
RE076-LT	F05/07	17 mm	70,6 Nm			
RE086-LT	F05/07	17 mm	103,4 Nm			
RE101-LT	F07/10	22 mm	164,8 Nm			
RE116-LT	F07/10	22 mm	262,3 Nm			
RE126-LT	F07/10	27 mm	339,8 Nm			
RE146-LT	F10/12	27 mm	530,1 Nm			
RE161-LT	F10/12	27 mm	689,2 Nm			
RE181-LT	F10/12	27 mm	939 Nm			
RE201-LT	F14	36 mm	1292 Nm			
RE241-LT	F14	36 mm	2235 Nm			
RE271-LT	F16	46 mm	3235 Nm			
RE421-LT	F(16)/25/30	75 mm	10025 Nm			
single acting / 4/4 springs / low temperature (-40 °C to 80 °C)						
RE051SR-4/4 -LT	F03/F05	11 mm	5,7 Nm			
RE064SR-4/4 -LT	F03/05/07	14 mm	9,4 Nm			
RE076SR-4/4 -LT	F05/07	17 mm	19,0 Nm			
RE086SR-4/4 -LT	F05/07	17 mm	23,8 Nm			
RE101SR-4/4 -LT	F07/10	22 mm	43,0 Nm			
RE116SR-4/4 -LT	F07/10	22 mm	67,3 Nm			
RE126SR-4/4-LT	F07/10	27 mm	86,5 Nm			
RE146SR-4/4-LT	F10/12	27 mm	136,8 Nm			
RE161SR-4/4-LT	F10/12	27 mm	189,2 Nm			
RE126SR-4/4-LT	F10/12	27 mm	250,9 Nm			
RE201SR-4/4-LT	F14	36 mm	346,4 Nm			
RE241SR-4/4-LT	F14	36 mm	604,8 Nm			
RE271SR-4/4-LT	F16	46 mm	940,1 Nm			
RE421SR-4/4-LT	F(16)/25/30	75 mm	2685 Nm			

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
single acting / 6/6 springs / low temperature (-40 °C to 80 °C)						
RE051SR-6/6 -LT	F03/F05	11 mm	8,5 Nm			
RE064SR-6/6 -LT	F03/05/07	14 mm	14,1 Nm			
RE076SR-6/6 -LT	F05/07	17 mm	28,5 Nm			
RE086SR-6/6 -LT	F05/07	17 mm	35,7 Nm			
RE101SR-6/6 -LT	F07/10	22 mm	64,6 Nm			
RE116SR-6/6 -LT	F07/10	22 mm	100,9 Nm			
RE126SR-6/6-LT	F07/10	27 mm	129,8 Nm			
RE146SR-6/6-LT	F10/12	27 mm	205,2 Nm			
RE161SR-6/6-LT	F10/12	27 mm	283,8 Nm			
RE126SR-6/6-LT	F10/12	27 mm	376,3 Nm			
RE201SR-6/6-LT	F14	36 mm	519,6 Nm			
RE241SR-6/6-LT	F14	36 mm	907,2 Nm			
RE271SR-6/6-LT	F16	46 mm	1410 Nm			
RE421SR-6/6-LT	F(16)/25/30	75 mm	4028 Nm			

sealing sets / spare-parts

standard temperature (NBR / LAT) -20 °C to 80 °C

SETRIC-RE-051
SETRIC-RE-064
SETRIC-RE-076
SETRIC-RE-086
SETRIC-RE-101
SETRIC-RE-116
SETRIC-RE-126
SETRIC-RE-146
SETRIC-RE-161
SETRIC-RE-181
SETRIC-RE-201
SETRIC-RE-241
SETRIC-RE-271
SETRIC-RE-421

Pneumatic actuator series for general industrial applications.

- with external adjustment of end positions
- body: aluminum hard anodised, chemical nickel-plating or PTFE coated as a further option
- stainless steel screws, steel pinion shaft chemical nickel plating
- double acting or single acting with 4/4 or 6/6 springs available as standard,
- 3-6 springs per side possible
- rotation range 90° +/-5° adjustable (extendable by longer screws)
- diagonal or parallel structure is possible
- for low-temperature or high-temperature available
- ATEX-94-9-CEE standard
- SIL3

article	flange	double square	torque at 6 bar	list prices	rebate	net price
high temperature (FPM/FKM ZYTEL) -20 °C to 150 °C						
SETRIC-RE-051-HT						
SETRIC-RE-064-HT						
SETRIC-RE-076-HT						
SETRIC-RE-086-HT						
SETRIC-RE-101-HT						
SETRIC-RE-116-HT						
SETRIC-RE-126-HT						
SETRIC-RE-146-HT						
SETRIC-RE-161-HT						
SETRIC-RE-181-HT						
SETRIC-RE-201-HT						
SETRIC-RE-241-HT						
SETRIC-RE-271-HT						
SETRIC-RE-421-HT						
low temperature (SILICONE / ZYTEL) -40 °C to 80 °C						
SETRIC-RE-051-LT						
SETRIC-RE-064-LT						
SETRIC-RE-076-LT						
SETRIC-RE-086-LT						
SETRIC-RE-101-LT						
SETRIC-RE-116-LT						
SETRIC-RE-126-LT						
SETRIC-RE-146-HT						
SETRIC-RE-161-LT						
SETRIC-RE-181-HT						
SETRIC-RE-201-LT						
SETRIC-RE-241-LT						
SETRIC-RE-271-HT						
SETRIC-RE-421-LT						