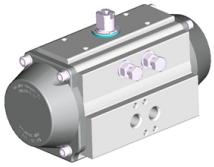
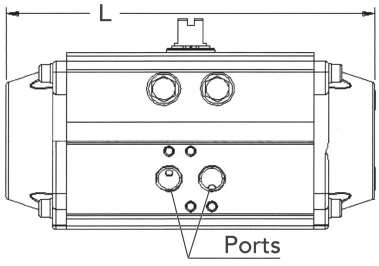
pneumatický pohon

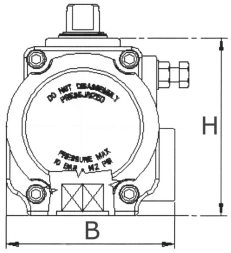
zkratka označení: PAL*

série RE

> tvrdý anodizovaný hliník







technický list výrobku

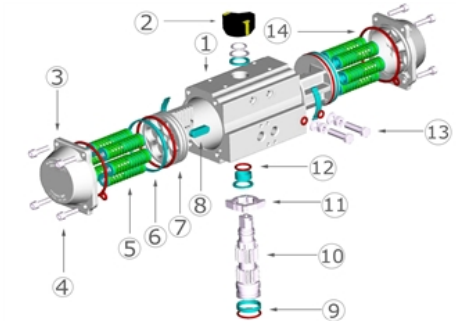
Ausf	Feder	Modell	Nm	Port	DW	L	B	H	kg
DA	-	RE043	13,0 bei 6 bar	1/8"	NBR	141	64	62	0,880
DA	-	RE051	20,1 bei 6 bar	1/8"	NBR	138	75	69	1,183
DA	-	RE064	35,5 bei 6 bar	1/4"	NBR	155	86	85	1,680
DA	-	RE076	70,6 bei 6 bar	1/4"	NBR	203	94	102	2,740
DA	-	RE086	103,4 bei 6 bar	1/4"	NBR	239	104	112	3,495
DA	-	RE101	164,8 bei 6 bar	1/4"	NBR	257	120	127	5,360
DA	-	RE116	262,3 bei 6 bar	1/4"	NBR	304	134	145	7,280
DA	-	RE126	339,8 bei 6 bar	1/4"	NBR	335	150	157	10,500
DA	-	RE146	530,1 bei 6 bar	1/4"	NBR	398	164	207	14,850
DA	-	RE161	689,2 bei 6 bar	1/4"	NBR	424	182	246	19,720
DA	-	RE201	1292,0 bei 6 bar	1/4"	NBR	527	222	298	36,800
SR	6/6	RE051	8,5 bei 6 bar	1/8"	NBR	138	75	69	1,135
SR	6/6	RE064	14,1 bei 6 bar	1/4"	NBR	155	86	85	1,820
SR	6/6	RE076	28,5 bei 6 bar	1/4"	NBR	203	94	102	3,220
SR	6/6	RE086	35,7 bei 6 bar	1/4"	NBR	239	104	112	4,580
SR	6/6	RE101	64,6 bei 6 bar	1/4"	NBR	257	120	127	5,625
SR	6/6	RE116	100,9 bei 6 bar	1/4"	NBR	304	134	145	8,660
SR	6/6	RE126	129,8 bei 6 bar	1/4"	NBR	335	150	157	11,270
SR	6/6	RE146	205,2 bei 6 bar	1/4"	NBR	398	164	177	19,070
SR	6/6	RE161	283,8 bei 6 bar	1/4"	NBR	424	182	246	23,860
SR	6/6	RE181	376,3 bei 6 bar	1/4"	NBR	482	201	270	25,400
SR	6/6	RE201	519,6 bei 6 bar	1/4"	NBR	527	222	298	45,680

dostupné jakosti: Aluminium

Armatury › kulové kohouty › s pohonem › pneumatické › pohony › standard

Úplný popis:

pneumatický pohon
série RE
> tvrdý anodizovaný hliník



Parts list

No.	Description	Material	Comment
1	Body	Extruded aluminium	hard anodized¹
2	Position indicator	PA	optional (fig. 3/8)
3	End cap	Aluminium alloyed	powder coated²
4	Cover crews	Stainless steel	AISI 304/ V2A
5	Spring cartridge	Spring steel, PA 66, VA	3-6 per piston³
6	Piston ring	Acetal resin	high sliding ability
7	Piston	Aluminium alloyed	ASTM B179
8	Slide spring	Acetal resin	high sliding ability
9	Bottom shaft seal	NBR*	-20°C to +80°C*
10	Shaft	Carbon steel	20 µ nickel-plated**
11	Cam	Stainless steel	AISI 316 / V4A
12	Upper shaft seal	NBR*	-20°C to +80°C*
13	Adjusting screws	Stainless steel	AISI 304 / V2A
14	Cover seal	NBR*	-20°C to +80°C*

(¹) Hard anodized (50µ - Ra=0,4-0,6)
Anodization (hard anodizing or hard coating) is the electrolytic oxidation of aluminum materials to produce protective coatings on aluminum materials. The layer has a hardness of 400-600 HV (45-65 HRC) and serves as wear and corrosion protection, is thermally and electrically insulating and has good tribological properties.

(²) Polyester painting (60-80µ)
Powder coating is a coating process in which the electrically conductive material is coated with powder coatings. The powder is sprayed electrostatically on the ground and then baked. The result is a very high corrosion protection, high mechanical weather resistance and good electrical insulation properties.

(³) Pre-tensioned springs, safe and easy to replace (25-30µ Polyester coating)

* Optional FPM / FKM for high temperature or silicone for low temperature.
>> see category special design
** Optionally made of high-alloyed stainless steel (AISI 316/ V4A).

Torque double-acting actuator

Torques depend on the pressure control air applied

min. 3bar/ max. 8bar

Model	3 Bar	4 Bar	5 Bar	6 Bar	7 Bar	8 Bar
RE051	10,0	13,4	16,7	20,1	23,4	26,8
RE064	17,8	23,7	29,6	35,5	41,4	47,4
RE076	35,3	47,1	58,9	70,6	82,4	94,2
RE086	51,7	68,9	86,1	103,4	120,6	137,8
RE101	82,4	109,8	137,3	164,8	192,2	219,7
RE116	131,1	174,9	218,6	262,3	306,0	349,7
RE126	169,9	226,5	283,2	339,8	396,4	453,0

Values in Nm

Torque single-acting actuator

Torques depend on the pressure control air applied and number of springs

Model / Spring *	3 Bar	4 Bar	5 Bar	6 Bar
RE051 / 3	4,3 Nm			
RE051 / 4		5,7 Nm		
RE051 / 5			7,1 Nm	
RE051 / 6				8,5 Nm
RE064 / 3	7,1 Nm			
RE064 / 4		9,4 Nm		
RE064 / 5			11,8 Nm	
RE064 / 6				14,1 Nm
RE076 / 3	14,3 Nm			
RE076 / 4		19,0 Nm		
RE076 / 5			23,8 Nm	
RE076 / 6				28,5 Nm
RE086 / 3	17,8 Nm			
RE086 / 4		23,8 Nm		
RE086 / 5			29,7 Nm	
RE086 / 6				35,7 Nm
RE101 / 3	32,3 Nm			
RE101 / 4		43,0 Nm		
RE101 / 5			53,8 Nm	
RE101 / 6				64,6 Nm
RE116 / 3	50,5 Nm			
RE116 / 4		67,3 Nm		
RE116 / 5			84,1 Nm	
RE116 / 6				100,9 Nm
RE126 / 3	64,9 Nm			
RE126 / 4		86,5 Nm		
RE126 / 5			108,2 Nm	
RE126 / 6				129,8 Nm

* Springs per piston

Supply: dry or lubricated and filtered compressed air.

Features

> Swivel angle 90° +/-5° adjustable in both end positions. Set to +/-1° upon delivery

> An external end position adjustment covers all requirements in terms of adjustment accuracy and easy access to the end positions. The special adjustment system allows quick and precise adjustment of the end positions, even when subject to the toughest requirements and ambient conditions in all fields of application. (fig. 3/8)

> Device interface (limit switch, positioner) according to the NAMUR VDI /VDE 3845 standard (fig. 5/8)

Model	A	p	x	y	h
RE051	80	30	12	8	20
RE064	80	30	12	8	20
RE074	80	30	18	14	20
RE086	80	30	18	14	20
RE101	80	30	18	14	20
RE116	80	30	36	27	30
RE126	80	30	36	27	30

Dimensions in mm

> Flange fitting for mounting valves acc. to ISO 5211 / DIN 3337 (fig. 6/8)

Model	F (ISO 5211)	V (Square socket)*	t
RE051	F03/F05	11 mm	13 mm
RE064	F03/F05/F07	14 mm	13 mm
RE076	F05/F07	17 mm	16 mm
RE086	F05/F07	17 mm	16 mm
RE101	F07/F10	22 mm	20 mm
RE116	F07/F10	22 mm	20 mm
RE126	F07/F10	22 mm	25 mm

* Designed as an octagon for simple parallel (0°) or diagonal (45°) installation

Hole pattern dimensions

Hole pattern F	Circular hole pattern	Dril holes
F 03	Ø-36 mm	M5x8 mm
F 04	Ø-42 mm	M5x8 mm
F 05	Ø-50 mm	M6x9 mm
F 07	Ø-70 mm	M8x12 mm
F 10	Ø-102 mm	M10x15 mm

> Control connection for solenoid valve according to the NAMUR VDI / VDE 3845 standard
(fig. 7/8)

> Compressed air connection with thread acc. to ISO 228-1
(fig. 7/8)

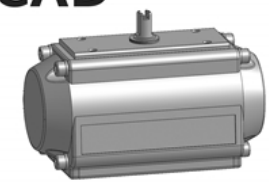
> Factory lubrication suitable for at least 1 million switching operations
Standard grease: molybdenum bisulfide or special grease for high and low temperatures
All actuators meet the requirements for power-on and life acc. to DIN EN 15714-2

> Aluminum ratings plate with serial number
(individually certification of the product)

> Various surface finishes
for industrial, chemical, pharmaceuticals, food, and offshore applications
>> see special versions heading

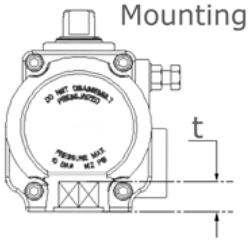
ATEX II 2GD c

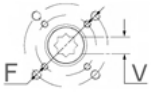
CAD



available as 3D Model

Mounting acc. to ISO 5211 / DIN 3337

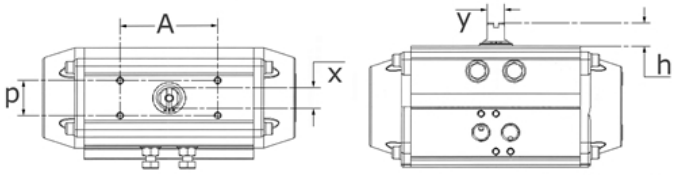




Img. 6/8

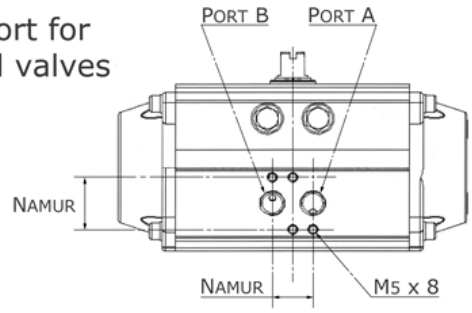
Img. 3/8

Signal connection



Img. 5/8

Pilot port for solenoid valves



Img. 7/8