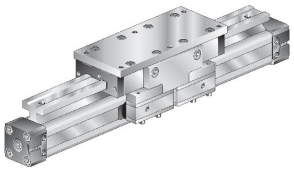
Partnership. With Guarantee.

Rodless magnetic cylinder with carriage and accessories
Series RLFG



RLFG	_ _ -	_ _ _ _	_
	16ø16	Stroke [mm]	**O**Standard
	25ø25		V Viton seals
	32ø32		
	40ø40		

Design type	Rodless magnetic cylinder with carriage
Heads	Aluminium hard anodized
Slide	Aluminium hard anodized
Cylinder tube	Aluminium profile hard anodized
Sealing tapes	Stainless steel
End-position cushioning	pneumatic, adjustable
Ambient temperature	-15°C...+80°C
Medium temperature	0°C...+40°C
Lubrication	not necessary
Medium	filtered compressed air
Operating pressure	0,5...8 bar
Note	CAD files are available in the STASTO Store at www.stasto.eu Solenoid switch see separate data sheet

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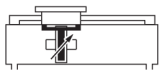
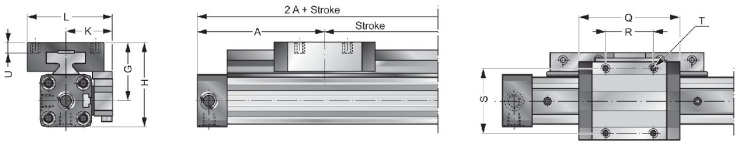
Dimensional drawing

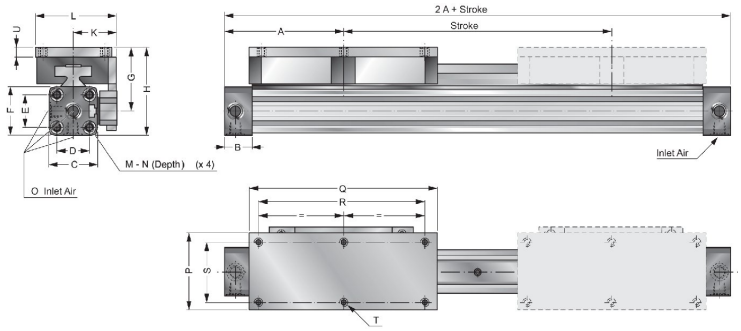


RLFG 16:



Stroke = Stroke

RLFG 25 - 40:

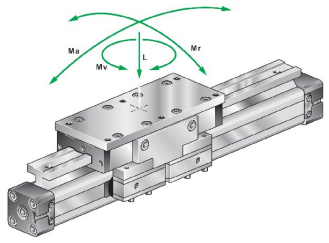


Ø	A	B	C	D	E	F	G	H	K	L	M	N	O	P	Q	R	S	T	U	Cushioning length	Type
16	65	15	27	18	18	27	44	57,5	27,5	51	M3	7	M5	47	68	30	38	M5	8	15	RLFG 16-.... ..
25	100	23	40	27	27	40	56,5	76,5	38	71	M5	11	G1/8	66	162	148	53	M6	8	21	RLFG 25-.... ..
32	125	27	52	36	40	52	62,5	88,5	52,5	84	M6	14	G1/4	66	162	148	53	M6	8	26	RLFG 32-... ..
40	150	30	69	54	54	72	66,9	102,8	61	96	M6	23	G1/4	70	162	148	53	M6	8	32	RLFG 40-.... ..

Forces and torques

The resulting forces and torques can be calculated using the following formula:

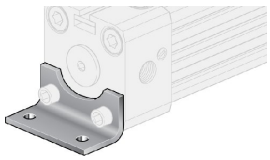
$$\frac{M_a}{M_{a\,max}} + \frac{M_r}{M_{r\,max}} + \frac{M_v}{M_{v\,max}} + \frac{L}{L_{max}} \leq 1$$

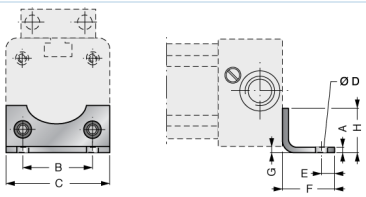


Ø	Longitudinal force [N] at 6 bar	Maximum load L [N]	Ma axial [Nm]	Mr radial [Nm]	Mv central [Nm]
16	110	350	6	4	6
25	250	1000	40	14	40
32	420	2000	68	24	68
40	640	2800	103	37	103

Accessories

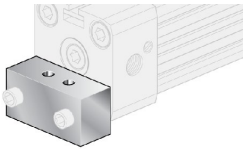
RLP - .. Foot mounting

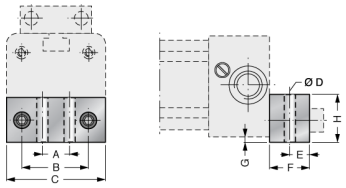




Ø	A	B	C	ØD	E	F	G	H	Type
16	1,6	18	26	3,6	4	14	1,5	12,5	RLP-16
25	2,5	27	40	5,5	6	22	2	18	RLP-25

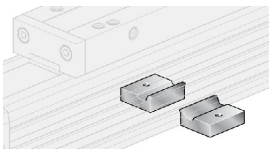
RLQ - .. Foot mounting

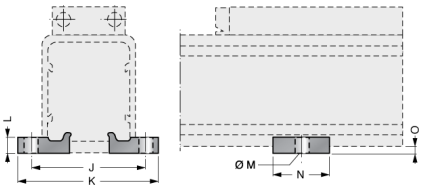




Ø	A	B	C	ØD	E	F	G	H	Type
32	20	36	51	6,6	6	24	4	20	RLQ-32
40	30	54	71	9	11,5	24	2	20	RLQ-40

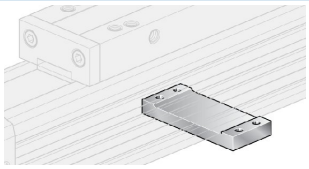
RLMI - .. Bearing blocks

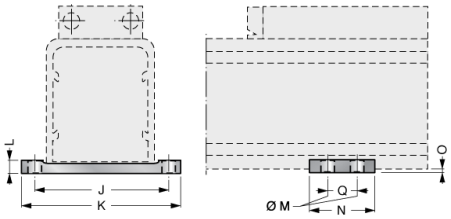




Ø	J	K	L	ØM	N	O	Type
16	36	40	6	3,5	12	3	RLMI-16
25	48	60	6	5,5	20	4	RLMI-25

RLMU - .. Bearing bracket





Ø	J	K	L	ØM	N	O	Q	Type
32	61	73	10	6,5	55	6	40	RLMU-32
40	70	85	10	6,5	60	7,2	45	RLMU-40

Illustrations non-binding
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