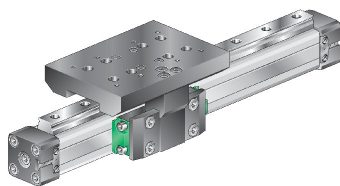


Rodless magnetic cylinder with ball-bearing slide guide and Accessories Series RLFH



RLFH

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16ø16

25ø25

32ø32

40ø40

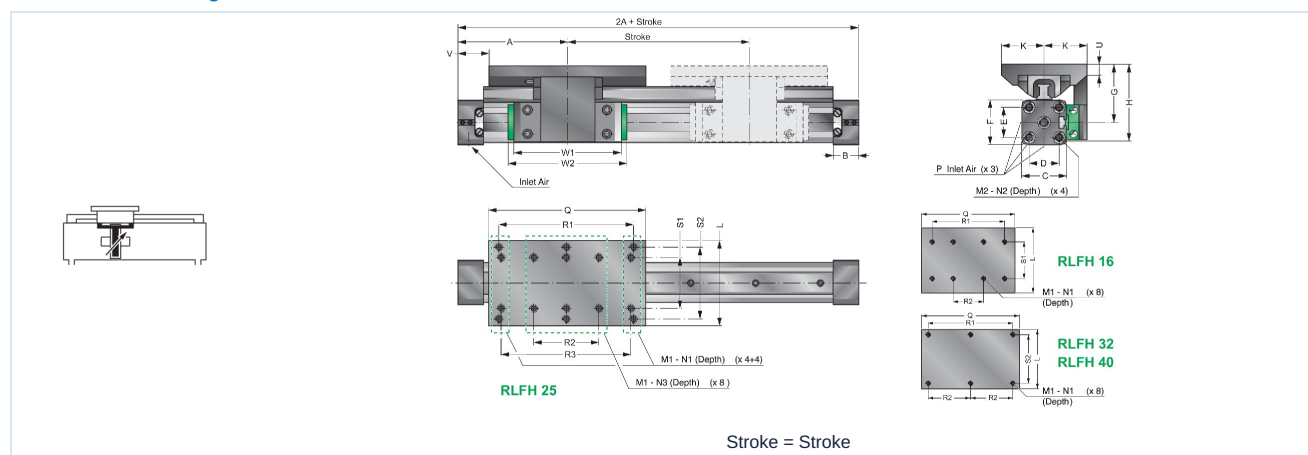
Stroke [mm]

1a slide guide
2two slide guidesOStandard
VViton seals

Design type	Rodless magnetic cylinder with ball-bearing slide guide
Heads	Aluminium hard anodized
Slide	Aluminium hard anodized
Cylinder tube	Aluminium profile hard anodized
Sealing tapes	Stainless steel
Seals	NBR
End-position cushioning	pneumatic, adjustable
Ambient temperature	-15...+80°C
Medium temperature	0...+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



Dimensional drawing



Ø	A	B	C	D	E	F	G	H	K	L	M1	M2	N1	N2	N3	P	Q	R1	R2	R3	S1	S2	U	V	W1	W2	Cushioning length	Type
16	65	15	27	18	18	27	35	48,5	31,5	63	M4	M3	10	7	-	M5	90	70	30	-	36	-	10	28,5	60	69	15	RLFH 16-...
25	100	23	40	27	27	40	53	73	40	80	M6	M5	12	11	10	G1/8	145	125	60	120	50	64	11	27,5	102	112	21	RLFH 25-...
32	125	27	52	36	40	52	64	90	57,5	115	M8	M6	13	15	-	G1/4	190	164	82	-	-	96	10	30	135	152	26	RLFH 32-...
40	150	30	69	54	54	72	69,2	105,1	57,5	115	M8	M6	18	15	-	G1/4	190	164	82	-	-	96	10	55	135	152	32	RLFH 40-...

Forces and torques

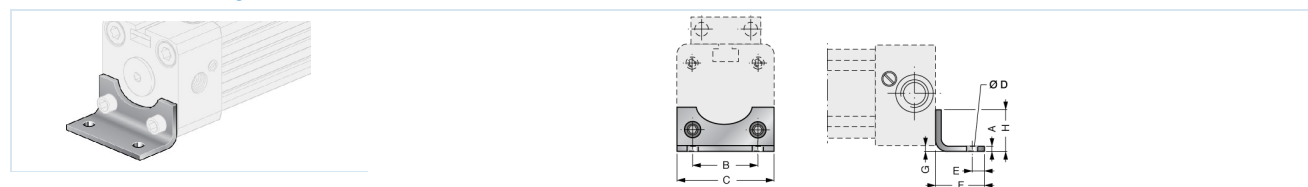
The resulting forces and torques can be calculated using the following formula:

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

RLFH .. / 1 . a slide guide					
Ø	Longitudinal force [N] at 6 bar	Maximum load L [N]	Ma axial [Nm]	Mr radial [Nm]	Mv central [Nm]
16	110	500	4	6	11
25	250	1500	40	14	40
32	420	2950	61	30	62
40	640	3960	115	52	70
RLFH .. / 2 . two slide guides					
Ø	Longitudinal force [N] at 6 bar	Maximum load L [N]	Ma axial [Nm]	Mr radial [Nm]	Mv central [Nm]
16	110	500	8	10	18
25	250	1500	85	20	80
32	420	2950	85	45	90
40	640	3960	130	65	100

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

Version 11

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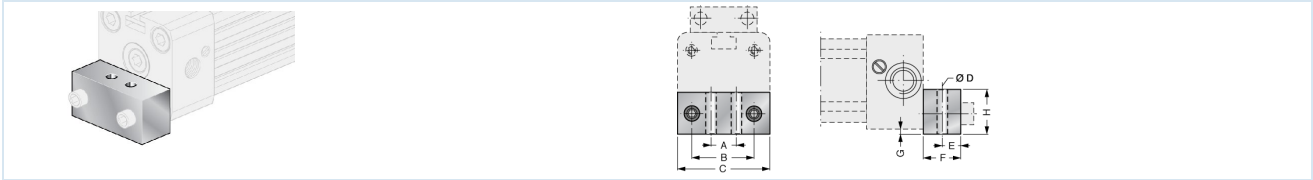
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Open series online

Page 2 / 3

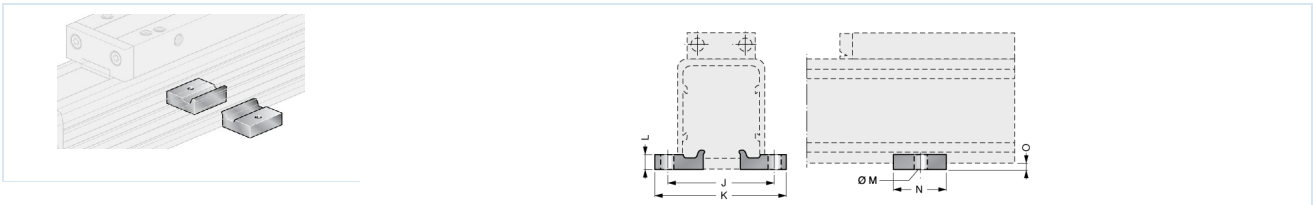


RLQ - .. Foot mounting



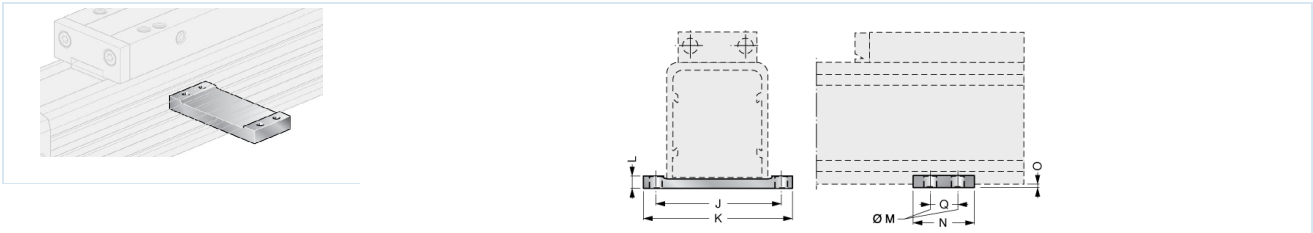
Ø	A	B	C	ØD	E	F	G	H	Type
32	20	36	51	6,6	6	24	4	20	RLQ-32
40	30	54	71	9	11,5	24	2	20	RLQ-40

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

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