

DOUBLE ACTING PNEUMATIC CYLINDERS, SERIES MCKMI, WITH NON-ROTATING ROD



STRÁNSKÝ A PETRŽÍK

A series of cylinders with a piston rod secured against spontaneous rotation. The piston rod has a hexagonal shape and may only be loaded up to the permitted torque value. Magnet for proximity switches is standard, fully adjustable cushioning at end of stroke is optional.



Working pressure	0,5 MPa
Min. pressure	0,05 MPa
Max. pressure	0,7 MPa
Temp. range	-5°C to +60°C
Working medium	modified compressed air

Piston diameter [mm]	20	25	32	40
Thrust at 0,5 MPa [N]	141	221	362	566
Return force at 0,5 MPa [N]	111	173	294	473
Connection	G1/8"	G1/8"	G1/8"	G1/4"
Length of adjustable cushioning [mm]	15	13	10	21
Max. stroke [mm]	300	500	500	500
Working speed [mm/s]	50 to 750			
Allowable rotational torque at piston rod [Nm]	0,2	0,24	0,24	0,44
Rod non-rotating accuracy [°]	±0,7	±0,7	±0,5	±0,5
Weight 0 mm stroke [kg]	0,14	0,22	0,29	0,58
Weight add. per 1 mm stroke [kg]	0,0008	0,0012	0,0016	0,0022

Order codes

P MCKMB - 11 - 40 - 100 -A -N -G

Piston ø	Stroke	Cushioning	End cap style
20 20 mm	xxx mm of stroke, e.g. 100 = stroke 100 mm - see allowed combination below	without	non-pivot type with thread
25 25 mm		-A with adjustable cushioning	-N plain end
32 32 mm			-E pivot type
40 40 mm			

Piston ø [mm]	Standard stroke [mm]*
20, 25, 32, 40	25, 50, 75, 100, 125, 150, 200, 250, 300

*) Other strokes are possible, please contact our technical department.

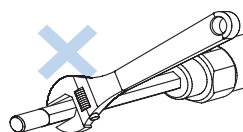


In case of proximity sensing request, please contact our technical department.



Caution

Please don't attempt to rotate the piston rod.



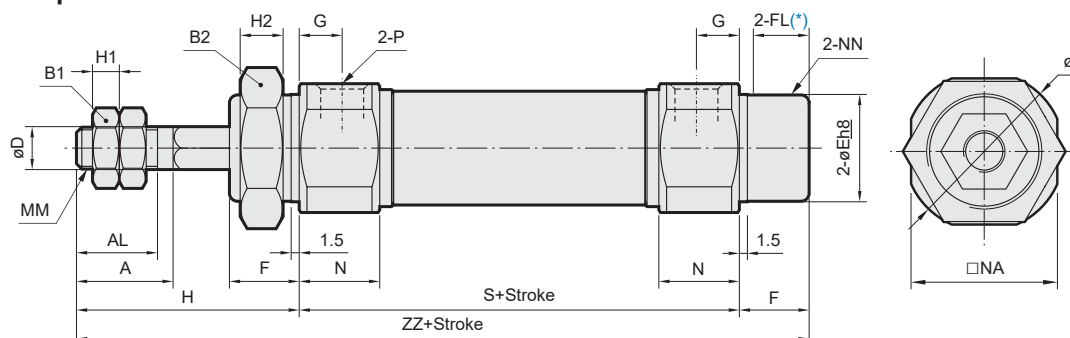
Construction / materials

- caps, piston: aluminium alloy
- tube: stainless steel
- piston rod: stainless steel
- sealing: NBR
- nuts: carbon steel

Dimensions

Non-pivot end cap with thread

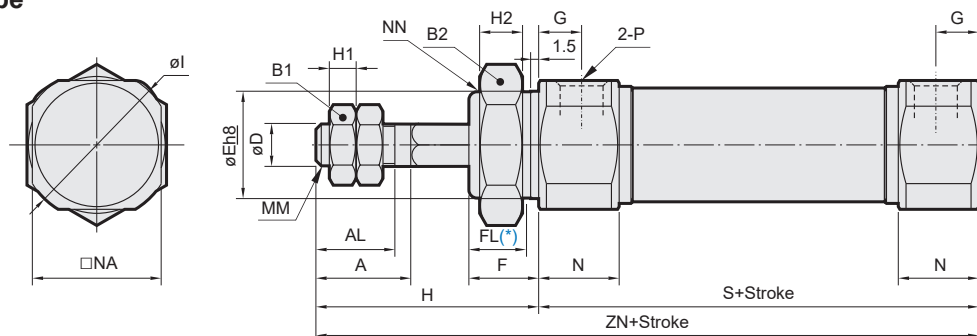
*) FL: effective thread length



Ø	A	AL	B1	B2	D	E	F	FL	G	H	H1	H2	I	MM	N	NA	NN	P	S	ZZ
20	18	15,5	13	26	8	20	13	10,5	8	41	5	8	28	M8	15	24	M20x1,5	G1/8"	62	116
25	22	19,5	17	32	10	26	13	10,5	8	45	6	8	33,5	M10x1,25	15	30	M26x1,5	G1/8"	62	120
32	22	19,5	17	32	12	26	13	10,5	8	45	6	8	37,5	M10x1,25	15	34,5	M26x1,5	G1/8"	64	122
40	24	21	22	41	14	32	16	13,5	11	50	8	10	46,5	M14x1,5	21,5	42,5	M32x2	G1/4"	88	154

Plain end cap type

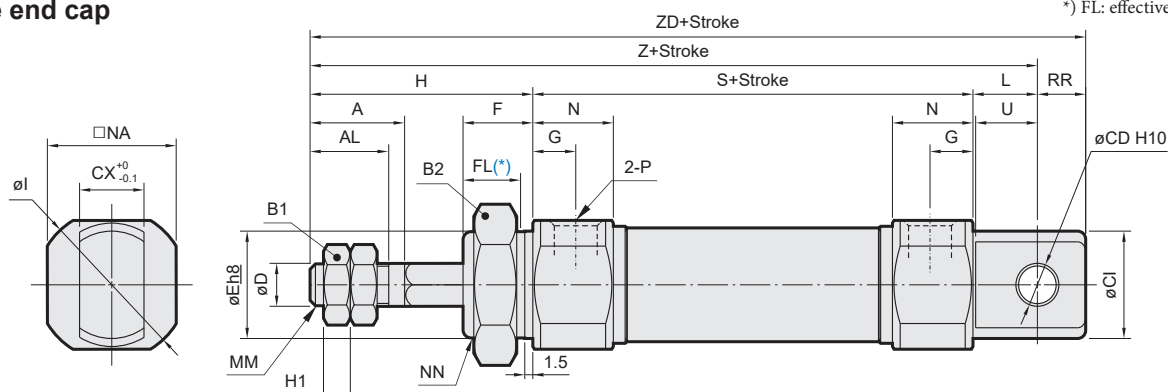
*) FL: effective thread length



Ø	A	AL	B1	B2	D	E	F	FL	G	H	H1	H2	I	MM	N	NA	NN	P	S	ZN
20	18	15,5	13	26	8	20	13	10,5	8	41	5	8	28	M8	15	24	M20x1,5	G1/8"	62	103
25	22	19,5	17	32	10	26	13	10,5	8	45	6	8	33,5	M10x1,25	15	30	M26x1,5	G1/8"	62	107
32	22	19,5	17	32	12	26	13	10,5	8	45	6	8	37,5	M10x1,25	15	34,5	M26x1,5	G1/8"	64	109
40	24	21	22	41	14	32	16	13,5	11	50	8	10	46,5	M14x1,5	21,5	42,5	M32x2	G1/4"	88	138

Pivot type end cap

*) FL: effective thread length



Ø	A	AL	B1	B2	CD	CI	CX	D	E	F	FL	G	H	H1	I	L	MM	N	NA	NN	P	PR	S	U	Z	ZD
20	18	15,5	13	26	8	20	12	8	20	13	10,5	8	41	5	28	12	M8	15	24	M20x1,5	G1/8"	9	62	11,5	115	124
25	22	19,5	17	32	8	22	12	10	26	13	10,5	8	45	6	33,5	12	M10x1,25	15	30	M26x1,5	G1/8"	9	62	11,5	119	128
32	22	19,5	17	32	10	27	20	12	26	13	10,5	8	45	6	37,5	15	M10x1,25	15	34,5	M26x1,5	G1/8"	12	64	14,5	124	136
40	24	21	22	41	10	33	20	14	32	16	13,5	11	50	8	46,5	15	M14x1,5	21,5	42,5	M32x2	G1/4"	12	88	14,5	153	165