

DOUBLE ACTING PNEUMATIC CYLINDERS ISO 15552, VDMA 24562, SERIES MCKQI3, 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. Dimensions conforms to the international standards ISO 6431, VDMA 24562 and NF E 49003.1, that is why it can replace pneumatic cylinder, which is made by any producer to these standards. Fully adjustable cushioning at end of stroke is standard, magnet for proximity switches is optional for this series.



Working pressure	0,6 MPa
Min. pressure	0,05 MPa
Max. pressure	1,0 MPa
Temp. range	-5°C to +60°C
Working medium	modified compressed air

Piston diameter [mm]	32	40
Thrust at 0,6 MPa [N]	434	679
Return force at 0,6 MPa [N]	353	567
Connection	G1/8"	G1/4"
Length of adjustable cushioning [mm]	23	26
Max. stroke [mm]	700	700
Working speed [mm/s]	50 to 500	
Allowable rotational torque at piston rod [Nm]	0,24	0,44
Rod non-rotating accuracy [°]	±0,5	±0,5
Weight 0 mm stroke [kg]	0,51	0,77
Weight add. per 1 mm stroke [kg]	0,003	0,004

Order codes

P MCKQI3 - 11 - 32 - 50 M

Piston ø		Stroke		Magnet	
32	32 mm	xxx	mm of stroke, e.g. 50 = stroke 50 mm - see allowed combination below		without magnet
40	40 mm			M	with magnetem

Piston ø [mm]	Standard stroke [mm]*
32, 40	50, 75, 100, 125, 150, 175, 200, 300, 400, 500

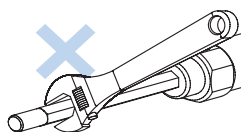
*) Other strokes are possible, please contact our technical department.



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

Caution

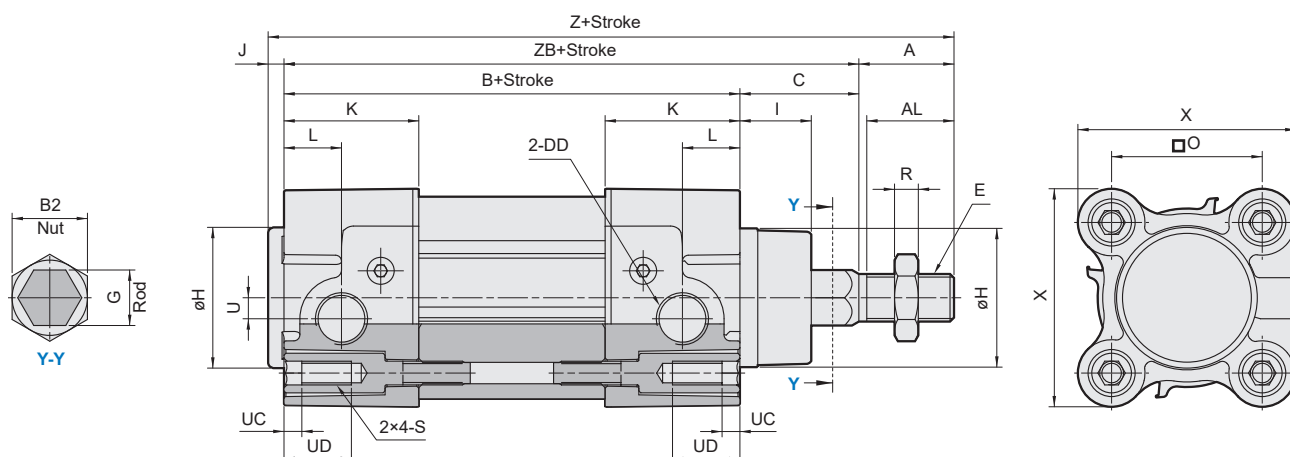
Please don't attempt to rotate the piston rod.



Construction / materials

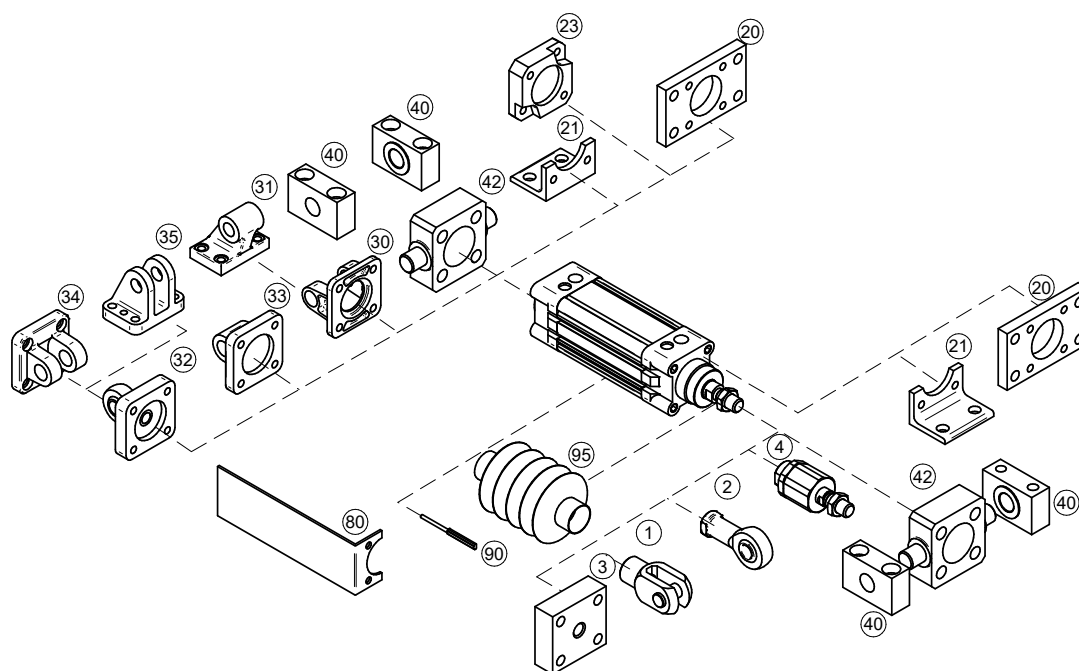
- caps, piston: aluminium alloy
- body: drawn dural profile, anodized
- piston rod: stainless steel
- sealing: NBR
- fasteners: carbon steel

Dimensions



Ø	A	AL	B	B2	C	DD	E	G	H	I	J	K	L	O	R	S	U	UC	UD	X	Z	ZB
32	22	19,5	94	17	26	G1/8"	M10x1,25	12	30	15	4	30,5	20	32,5	5	M6	4,5	4,5	16	47	146	120
40	24	22	105	19	30	G1/4"	M12x1,25	14	35	18	4	34	14,5	38	6	M6	5,3	4,5	16	55	163	135

Mounting accessories



Mounting accessories		... see page
1	Piston rod clevis	... 4-2
2	Piston rod eye	... 4-3
3	Flanged piston rod coupling	... 4-2
4	Self-aligning piston rod coupling	... 4-3
20	Flange mounting	... 4-5
21	Foot mounting	... 4-5
23	Boxer flange mounting	... 4-6
30	Swivel flange	... 4-7
31	Clevis foot mounting	... 4-7
32	Swivel flange with spherical bearing	... 4-8
33	Swivel flange	... 4-8
34	Narrow swivel flange	... 4-9
35	Rectangular swivel flange	... 4-9
40	Trunnion mounting	... 4-10
42	Pivot pin to front/end cap	... 4-12
80	Valve bracket	... 4-12
90	Proximity switch	...
95	Piston rod protective cover	... 4-4