

DOUBLE ACTING PNEUMATIC CYLINDERS DIN ISO 6431, VDMA 24562 WITH INTEGRATED GROOVES



STRÁNSKÝ A PETRŽÍK



Cylinders are designed to meet the specifications of 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 for these standards. This series has a profile with 2 integrated T-slots for direct mounting of position sensors. The cylinders can work in higher temperatures by request. Fully adjustable cushioning at end of stroke is available. The cylinders can be delivered in explosion proof version (Ex), see details in ATEX options).

Working pressure	0,6 MPa
Min. pressure	0,15 MPa
Max. pressure	1,0 MPa
Temp. range	-30°C to +80°C *
Working medium	modified compressed air

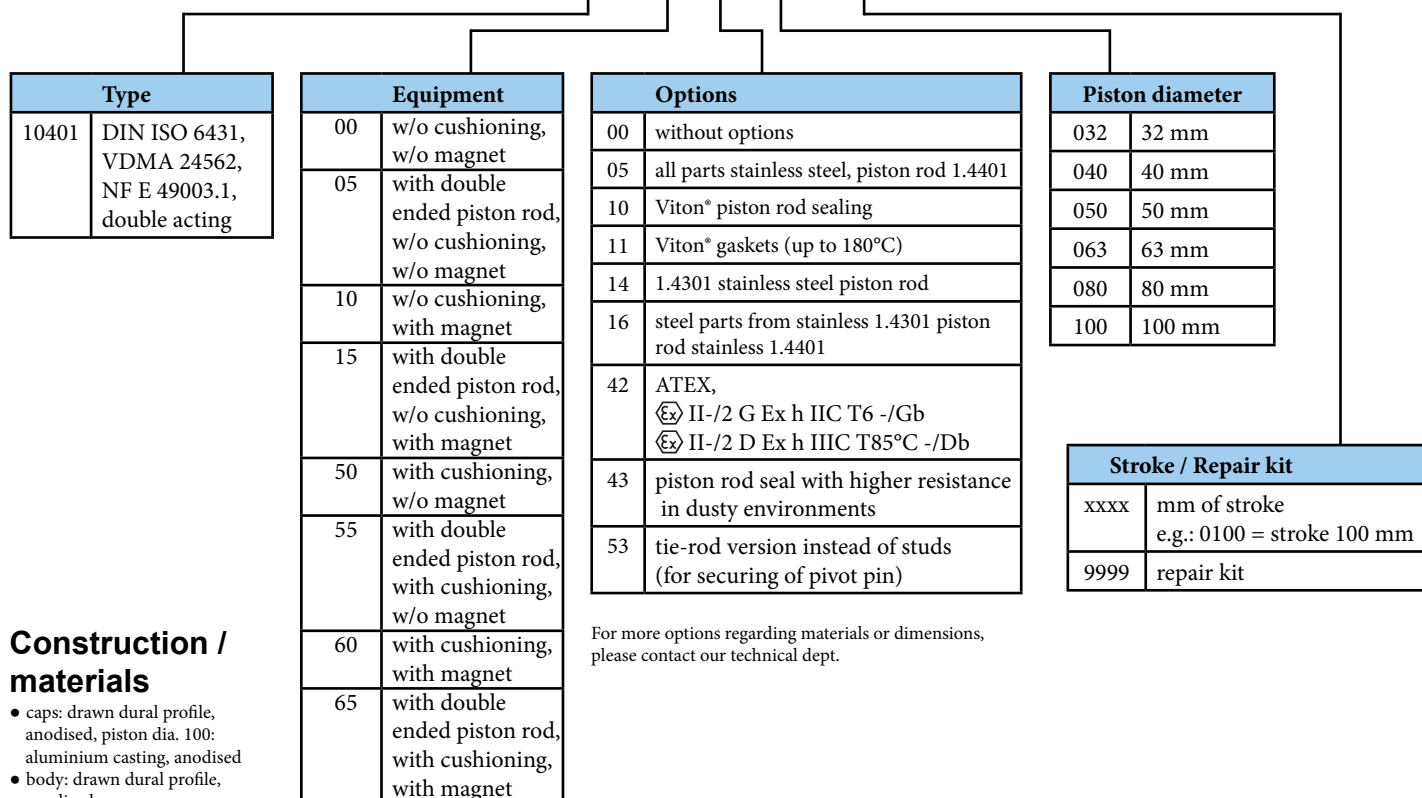
*) values are valid for standard gaskets

Piston diameter [mm]	32	40	50	63	80	100
Thrust at 0,6 MPa [N]	482	754	1178	1870	3015	4713
Thrust at 0,6 MPa [N] with double ended piston rod	415	633	990	1682	2720	4418
Return force at 0,6 MPa [N]	415	633	990	1682	2720	4418
Connection	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"
Length of adjustable cushioning [mm]	13	13	11	16	16	20
Max. stroke [mm] *	1000*	1000*	1000*	1000*	1500*	1500*
Weight 0 mm stroke [kg]	0,50	0,84	1,02	1,59	2,48	3,98
Weight add. per 1 mm stroke [kg]	0,0024	0,0036	0,0040	0,0043	0,0068	0,0080
Weight 0 mm stroke [kg] with double ended piston rod	0,60	0,85	1,22	1,79	3,18	4,75
Weight add. per 1 mm stroke [kg] with double ended piston rod	0,0034	0,0056	0,0060	0,0063	0,0108	0,0120

*) Stroke of cylinder may be longer after agreement with our technical dept.

Order codes

10401 60 00 050 0100

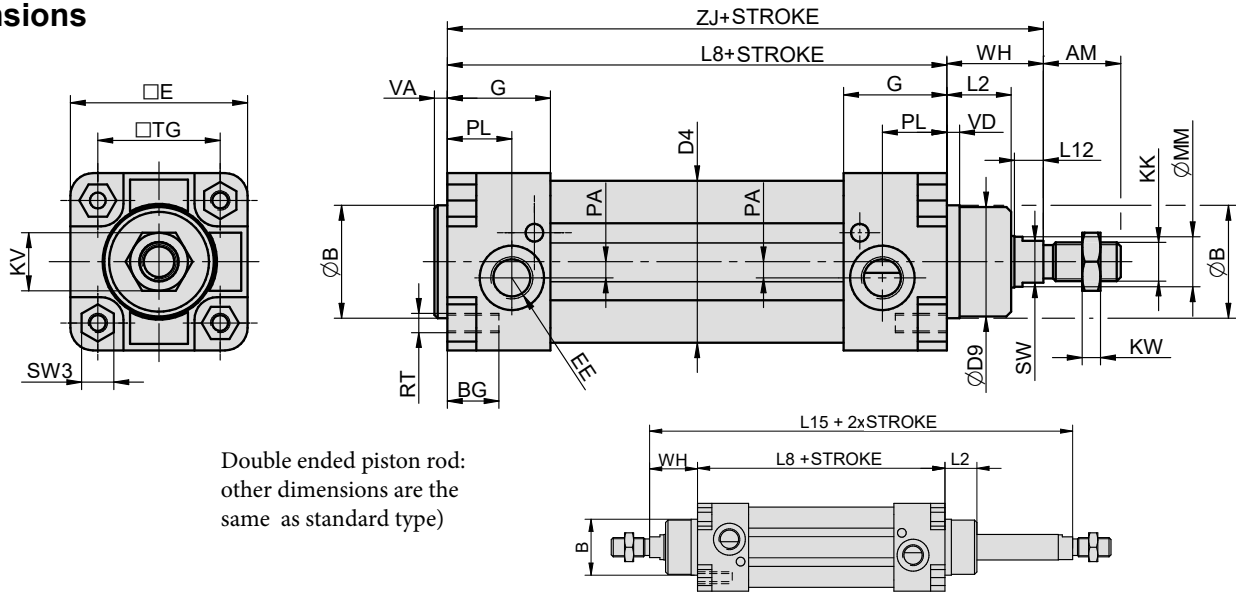


For more options regarding materials or dimensions, please contact our technical dept.

Construction / materials

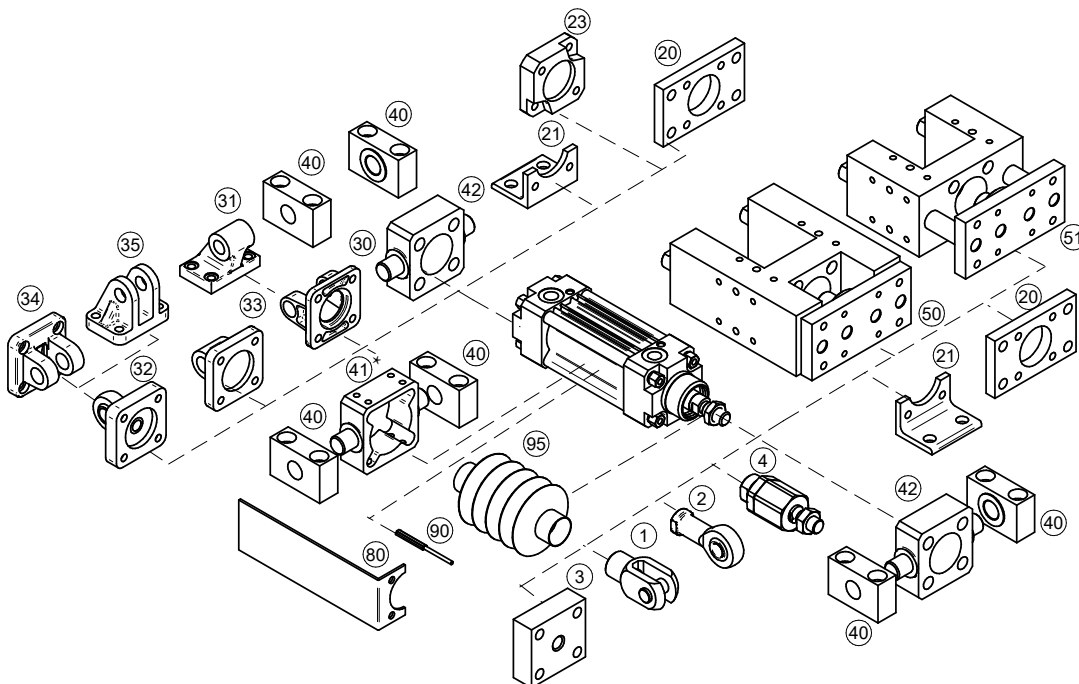
- caps: drawn dural profile, anodised, piston dia. 100: aluminium casting, anodised
- body: drawn dural profile, anodized
- piston rod: grounded round steel bar CK45 with hard chrome plated surface

Dimensions



Ø	AM	B	BG	D4	D9	E	EE	G	KK	KV	KW	L2	L8	L12	L15	MM	PA	PL	RT	SW	SW3	TG	VA	VD	WH	ZJ
32	22	30	16	36	28	48	G1/8"	31,5	M10x1,25	17	6	18	94	8	146	12	5	22,5	M6	10	10	32,5	4	4	26	120
40	24	35	16	45	34	55	G1/4"	32	M12x1,25	19	10	20	105	9	165	16	5	20	M6	13	10	38	4	4	30	135
50	32	40	19	55	39	65	G1/4"	30	M16x1,5	24	8	22	106	10	180	20	3	17	M8	16	14	46,5	4	5	37	143
63	32	45	19	68	44	75	G3/8"	30	M16x1,5	24	8	23	121	10	195	20	6	16	M8	16	14	56,5	4	5	37	158
80	40	45	19	86	44	94	G3/8"	30	M20x1,5	30	9	31	128	10	220	25	10	16	M10	21	17	72	4	5	46	174
100	40	55	19	106	54	115	G1/2"	36	M20x1,5	30	9	34	138	10	240	25	11	18	M10	21	17	89	4	17	51	189

Mounting accessories



Mounting accessories	... see page
1 Piston rod clevis	... 4-2
2 Piston rod eye	... 4-3
3 Flanged piston rod coupl.	... 4-2
4 Self-align. piston rod coupl.	... 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
41 Pivot pin*	... 4-12
42 Pivot pin to front/end cap	... 4-13
50 Guide unit H with ball bearings	... 4-14
51 Guide unit with slide bearings	... 4-16
80 Valve bracket	... 4-13
90 Prox. switch	... 3-2, 3-4
95 Piston rod protective cover	... 4-4

*) When using a pivot pin, we recommend a cylinder with a option 53, where the tie-rods are hidden within the profile, providing a more secure fixation of the pivot pin in place.