

# DOUBLE ACTING PNEUMATIC CYLINDERS ISO 15552, VDMA 24562, NF E 49003.1



**STRÁNSKÝ A PETRŽÍK**

Modern design, quality processing and high-quality of used parts - there are characteristics of new cylinders series. 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 and magnet for proximity switches are standard for this series. The proximity switches can be mounted directly to the tube's groove - so no brackets are necessary. The lifetime of cylinders is more than 4000 km at standard conditions.



Working pressure	0,6 MPa
Min. pressure	0,1 MPa
Max. pressure	1,0 MPa
Temp. range	-20°C to +80°C
Working medium	modified compressed air

Piston diameter [mm]	32	40	50	63	80	100	125
Thrust at 0.6 MPa [N]	482	754	1178	1870	3015	4713	7363
Thrust at 0.6 MPa [N] with double ended piston rod	415	633	990	1682	2720	4418	6880
Return force at 0.6 MPa [N]	415	633	990	1682	2720	4418	6880
Connection	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G1/2"
Length of adjustable cushioning [mm]	17	17	17	16	20	18	28
Max. stroke [mm] *	1000*	1000*	1000*	1000*	1500*	1500*	2000*
Working speed [mm/s]	50 to 500						
Min. stroke for proximity sensing [mm]	17	21	25	25	25	25	25
Weight 0 mm stroke [kg]	0.46	0.74	1.27	1.70	2.65	3.67	5.53
Weight add. per 1 mm stroke [kg]	0.003	0.004	0.007	0.007	0.011	0.013	0.020
Weight 0 mm stroke [kg] with double ended piston rod	0.52	0.84	1.37	1.90	2.97	4.31	6.54
Weight add. per 1 mm stroke [kg] with dbl. ended piston rod	0.004	0.006	0.009	0.009	0.015	0.017	0.026

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

## Order codes

10201 60 00 050 0100

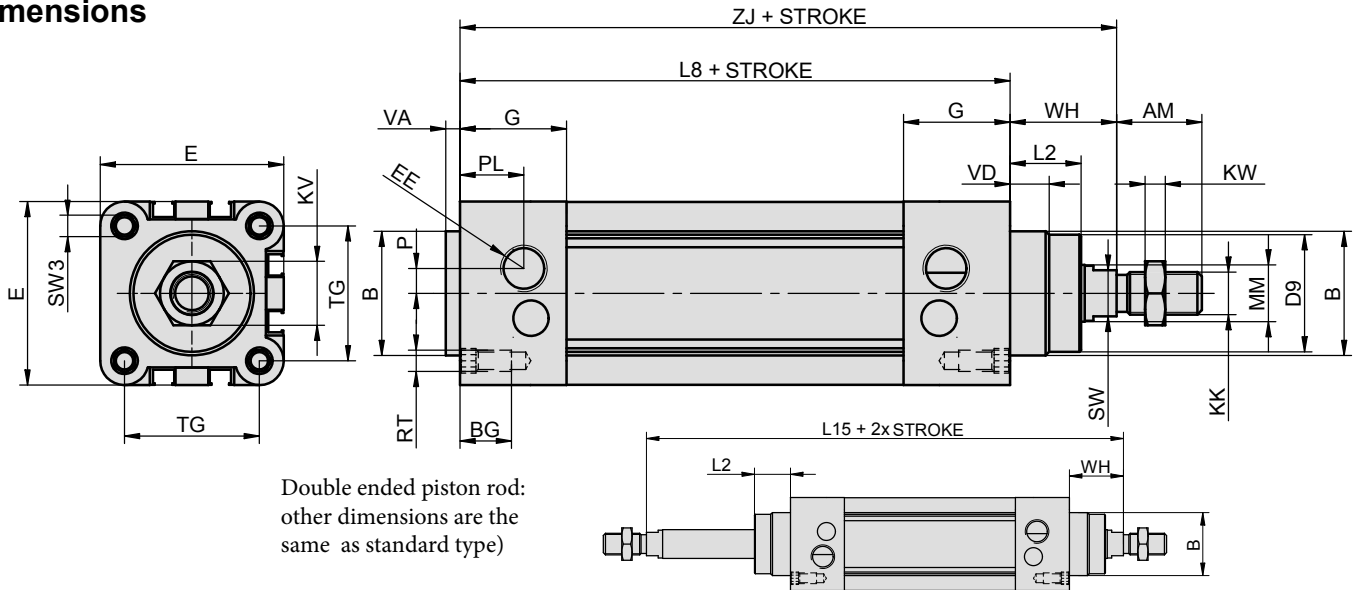
Type	Equipment	Options	Piston diameter	Stroke / Repair kit
10201 ISO 15552, VDMA 24562, NF E 49003.1, double acting	60 with cushioning, with magnet 65 with double ended piston rod, with cushioning, with magnet	00 without options 14 1.4301 stainless steel piston rod 16 steel parts from stainless 1.4301 piston rod stainless 1.4401 28 Viton® piston rod sealing + option 16 43 piston rod seal with higher resistance in dusty environments	032 32 mm 040 40 mm 050 50 mm 063 63 mm 080 80 mm 100 100 mm 125 125 mm	xxxx mm of stroke e.g.: 0100 = stroke 100 mm 9999 repair kit

## Construction / materials

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

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

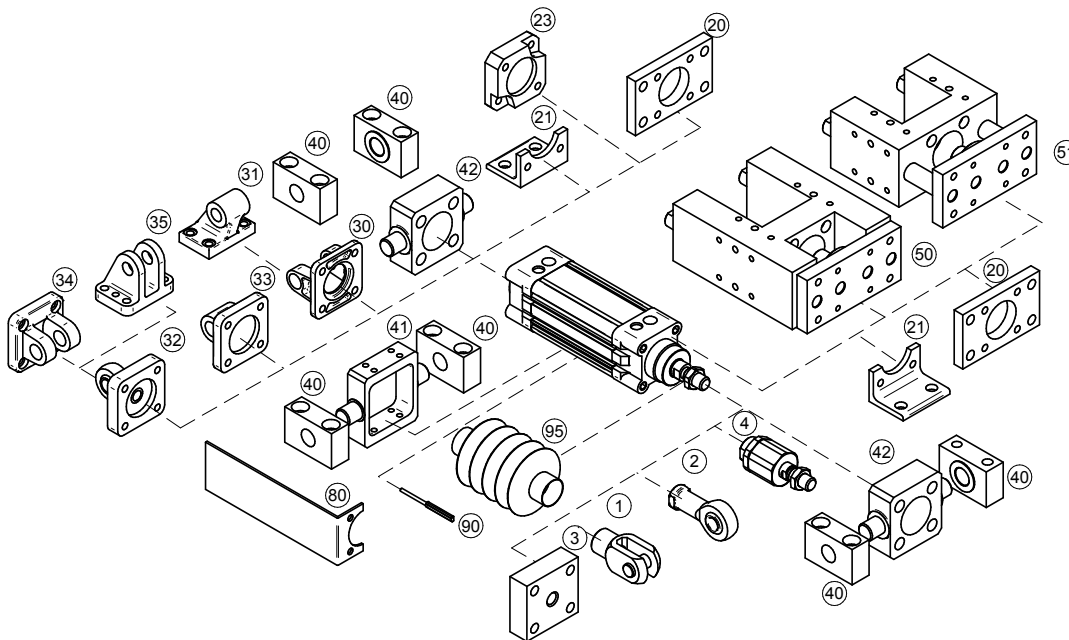
**Dimensions**



Double ended piston rod:  
other dimensions are the same as standard type)

∅	AM	B	BG	D9	E	EE	G	KK	KV	KW	L2	L8	L15	MM	P	PL	RT	SW	SW3	TG	VA	VD	WH	ZJ
32	22	30	16	28	46	G1/8"	25	M10x1.25	17	6	18	94	146	12	5	16	M6	10	6	32.5	4	10	26	120
40	24	35	14.5	33	52	G1/4"	30	M12x1.25	19	7	21.5	105	165	16	6	14	M6	13	6	38	4	11	30	135
50	32	40	17	38	64	G1/4"	30	M16x1.5	24	8	28	106	180	20	7	20	M8	16	8	46.5	4	11	37	143
63	32	45	17	38	75	G3/8"	36	M16x1.5	24	8	28.5	121	195	20	7	17	M8	16	8	56.5	4	11	37	158
80	40	45	17	44	93	G3/8"	36	M20x1.5	30	9	34.7	128	220	25	8	28	M10	21	10	72	4	11	46	174
100	40	55	17	44	110	G1/2"	39	M20x1.5	30	9	38.2	138	240	25	10	32	M10	21	10	89	4	11	51	189
125	54	60	18	54	135	G1/2"	44	M27x2	36	11	46	160	290	32	10	30	M12	27	12	110	6	11	65	225

**Mounting accessories**



Mounting accessories	... see page
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3 Flanged piston rod coupling	... 4-2
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31 Clevis foot mounting	... 4-7
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40 Trunnion mounting	... 4-10
41 Pivot pin	... 4-12
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