

DOUBLE ACTING PNEUMATIC CYLINDERS ISO 21287 COMPACT



STRÁNSKÝ A PETRŽÍK



Compact cylinders are smaller than standard cylinders and they are suitable especially, when there isn't enough space for standard cylinder. Dimensions of mounting holes meets international standards ISO 6431, VDMA 24562 and NF E 49003.1, that is why standard mounting accessories can be used. There are bumpers in both end positions or fully adjustable cushioning at end of stroke.

Working pressure	0,6 MPa
Min. pressure	0,15 MPa
Max. pressure	1,0 MPa
Temp. range	-20°C to +80°C *
Working medium	modified compressed air

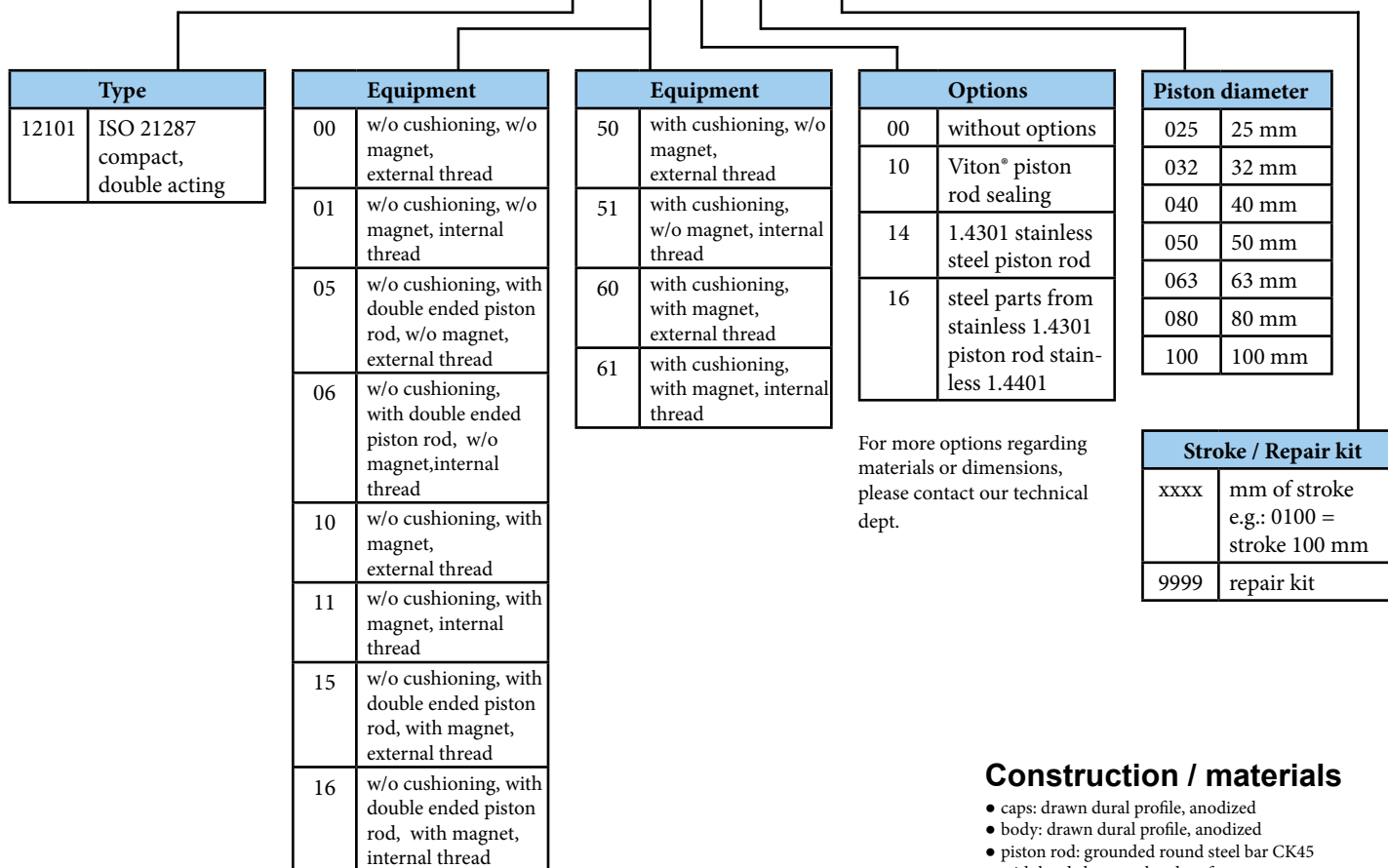
*) values are valid for standard gaskets

Piston diameter [mm]	25	32	40	50	63	80	100
Thrust at 0,6 MPa [N]	295	482	754	1178	1870	3015	4713
Thrust at 0,6 MPa [N] with double ended piston rod	248	415	662	1025	1717	2720	4484
Return force at 0,6 MPa [N]	248	415	662	1025	1717	2720	4484
Connection	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"
Length of adjustable cushioning [mm]	7	10	10	10	10	12	12
Max. stroke [mm] *	100*	150*	150*	200*	200*	200*	200*
Weight 0 mm stroke [kg]	0,21	0,24	0,34	0,50	0,72	1,20	1,89
Weight add. per 1 mm stroke [kg]	0,0027	0,0020	0,0034	0,0047	0,0055	0,0076	0,0095
Weight 0 mm stroke [kg] with double ended piston rod	0,23	0,28	0,36	0,55	0,76	1,30	2,07
Weight add. per 1 mm stroke [kg] with dbl. ended piston rod	0,0033	0,0040	0,0044	0,0065	0,0067	0,0103	0,0131

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

Order codes

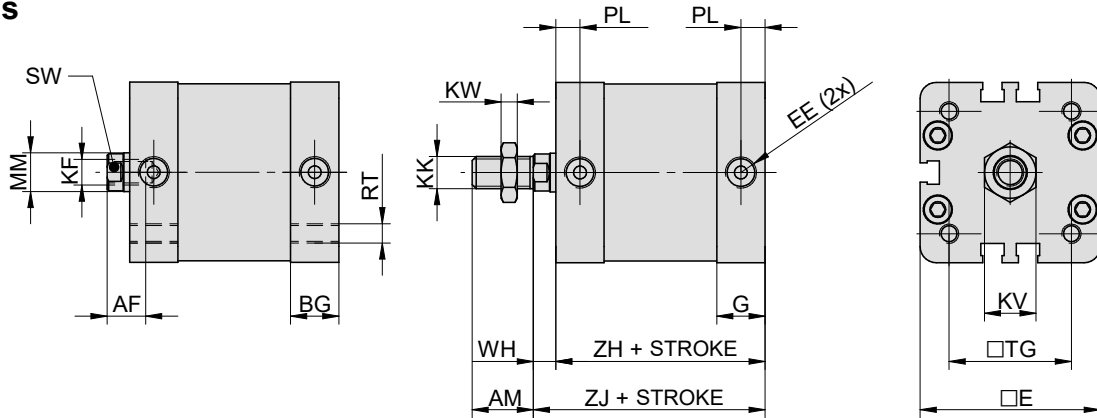
12101 10 00 050 0100



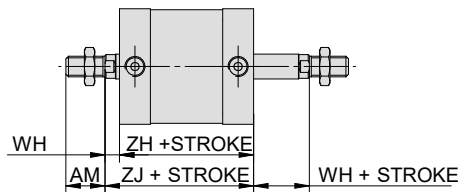
Construction / materials

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

Dimensions

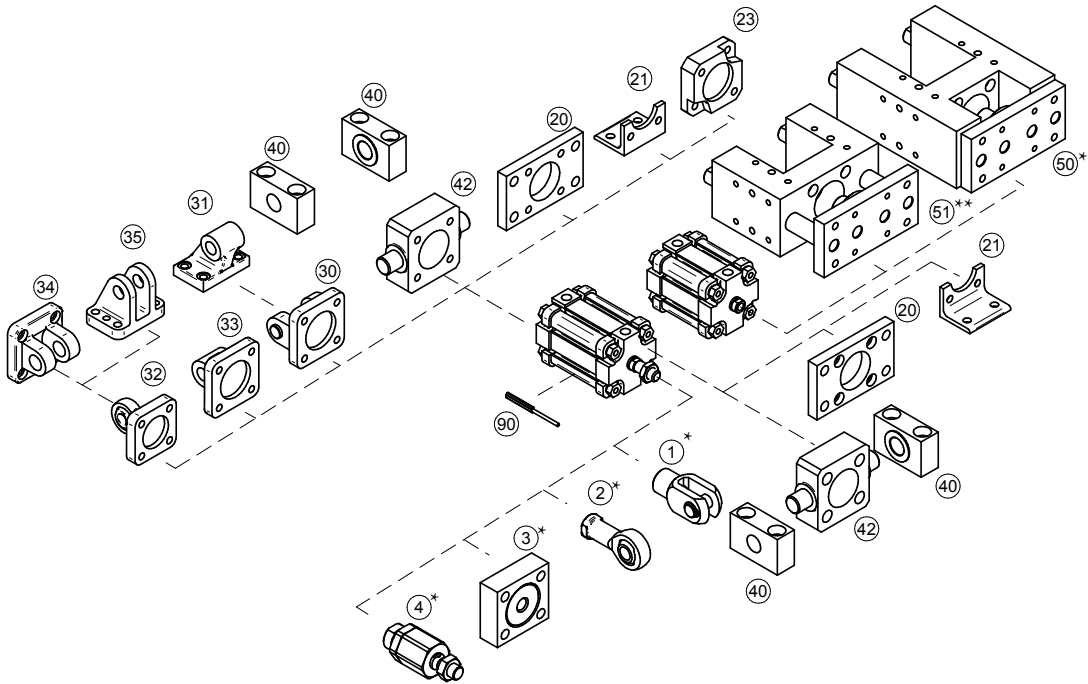


Double ended piston rod:
other dimensions are the
same as standard type)



∅	AF	AM	BG	E	EE	G	KF	KK	KV	KW	MM	PL	RT	SW	TG	WH	ZH	ZJ
25	10	16	15	41	M5	12	M6	M8	13	4	10	6	M5	8	26	6	39	45
32	12	19	14.5	49.2	G1/8"	14.5	M8	M10x1.25	16	5	12	7.5	M6	10	32.5	7	44	51
40	12	19	15	56	G1/8"	15	M8	M10x1.25	16	5	12	7.5	M6	10	38	7	45	52
50	16	22	15	69	G1/8"	15	M10	M12x1.25	18	6	16	7.5	M8	13	46.5	8	45	53
63	16	22	15	79	G1/8"	15	M10	M12x1.25	18	6	16	7.5	M8	13	56.5	8	49	57
80	20	28	17	95	G1/8"	17	M12	M16x1.5	24	8	20	7.5	M10	16	72	10	54	64
100	20	28	20	115.5	G1/8"	20	M12	M16x1.5	24	8	20	7.5	M10	16	89	10	67	77

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	... 4-13
50 Guide unit H with ball bearings	... 4-14
51 Guide unit with slide bearings	... 4-16
90 Prox. switch	... 3-2, 3-4
90 Proportional position sensor with analog output	... 3-6

*) Please check dimensions of thread on cylinder and accessories for piston rod, before you order it (for example: compact cylinder piston dia. 40 mm has thread M10x1,25 on piston rod, piston rod clevis for cylinder dia. 40 has thread M12x1,25, so it is necessary to order piston rod clevis for cylinder dia. 25/32, where it has thread M10x1,25).

**) For use this cylinder type with guide unit, the cylinder must be equipped with internal thread on piston rod.