

DOUBLE ACTING PNEUMATIC CYLINDERS

DIN ISO 6432

Cylinders are designed to meet the specifications of international standard ISO 6432. The cylinders can work in higher temperatures by request. Fully adjustable cushioning at end of stroke is available.



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]	20	25
Thrust at 0.6 MPa [N]	188	295
Thrust at 0.6 MPa [N] with double ended piston rod	158	248
Return force at 0.6 MPa [N]	158	248
Connection	G1/8"	G1/8"
Length of adjustable cushioning [mm]	11	9
Max. stroke [mm] *	300*	500*
Weight 0 mm stroke [kg]	0.17	0.22
Weight add. per 1 mm stroke [kg]	0.0010	0.0013
Weight 0 mm stroke [kg] with double ended piston rod	0.20	0.30
Weight add. per 1 mm stroke [kg] with dbl. ended piston rod	0.0014	0.0020

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

Order codes

11101 60 00 020 0100

Type	Equipment	Options	Piston diameter	Stroke / Repair kit
11101 to DIN ISO 6432, double acting	00 w/o cushioning, w/o magnet	00 without options	020 20 mm	xxxx mm of stroke e.g.: 0100 = stroke 100 mm
	05 with double ended piston rod, w/o cushioning, w/o magnet	10 Viton® piston rod sealing	025 25 mm	9999 repair kit
	10 w/o cushioning, with magnet	11* Viton® gaskets (up to 180°C)		
	15 with double ended piston rod, w/o cushioning, with magnet	14 1.4301 stainless steel piston rod		
	50 with cushioning, w/o magnet	16 steel parts from stainless 1.4301 piston rod stainless 1.4401		
	55 with double ended piston rod, with cushioning, w/o magnet			
	60 with cushioning, with magnet			
	65 with double ended piston rod, with cushioning, with magnet			

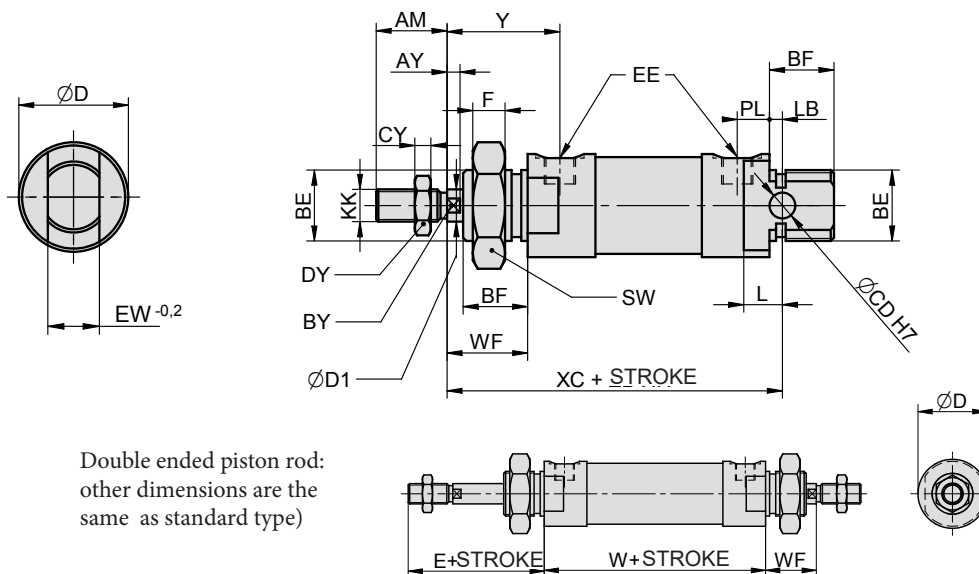
*) This option in combination with magnetic piston causes different dimensions - please contact our technical dept.

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

Construction / materials

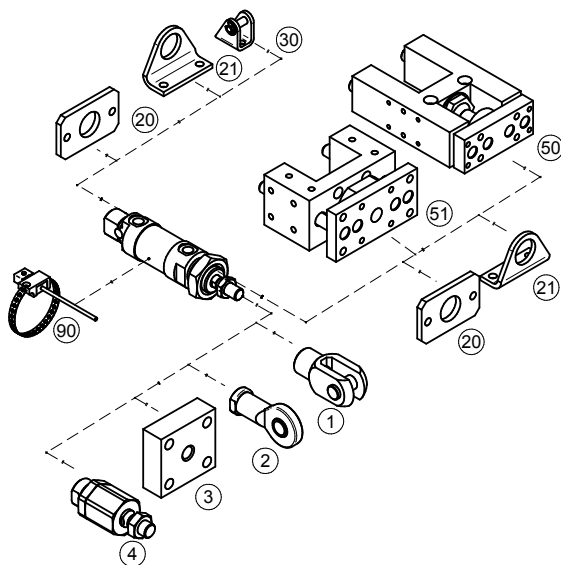
- caps: anodized dural
- body: drawn dural tube, anodized
- piston rod: grounded round steel bar CK45 with hard chrome plated surface

Dimensions



∅	AM	AY	BE	BF	BY	CD	CY	D	D1	DY	E	EE	EW	F	KK	L	LB	PL	SW	WF	XC	Y	W
20	20	4	M22x1.5	20	7	8	6	27.5	8	13	44.5	G1/8"	16	10	M8	12	3	9.5	34	24.5	95	34	67.5
25	22	4	M22x1.5	20	9	8	6	32	10	17	47	G1/8"	16	10	M10x1.25	12	4	10	34	25.5	104	35	75

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	... 4-7
21 Foot mounting	... 4-5
30 Swivel flange	... 4-5
50 Guide unit H with ball bearings	... 4-18
51 Guide unit with slide bearings	... 4-20
90 Prox. switch	... 3-2, 3-4