

Compact cylinders

ISO21287, double acting

Piston rod with external thread

ITEM DESCRIPTION

Cylinders are produced according to ISO21287 norm from Ø20 up to Ø100 in single and double acting, magnetic or not, and with standard or through piston rod. CA series cylinders are available according to several construction variants including high temperatures seals, not-rotating version and with AISI304 or AISI316 piston rod. A wide range of fixing and piston rod accessories are provided for this cylinders series besides a complete offer of mounting kits for local assembling.

FEATURES

MATERIALS:

Covers: Casted aluminum
Tube: Anodized aluminum
Piston rod: Stainless steel AISI303
Seals: NBR
Guiding bush: Steel + PTFE

TEMPERATURE RANGE:

-20 ° C to max. +80 ° C

OPERATING PRESSURE:

Max. 10 bar

STROKE (mm):

5 to 460mm

PERFORMANCE:

With magnetic piston

CYLINDER SWITCH TYPE:

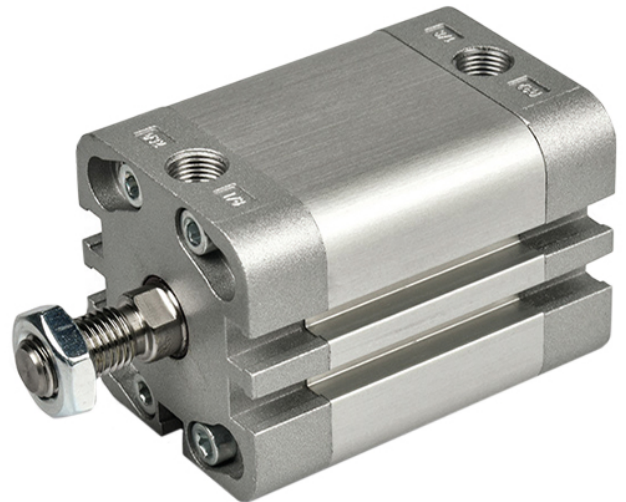
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FLUID:

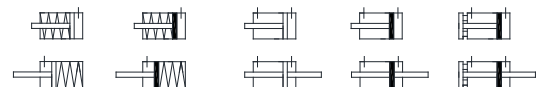
Filtered and lubricated or not compressed air

OPTIONAL:

Piston rod with external thread -AG



VERSIONS



ORDER

Order example:

CDA1615AG

CDA	16	15	AG
└	└	└	└
type	piston diameter	stroke	type piston rod external thread

STANDARD STROKES

∅	5	10	15	20	25	30	40	50	60
20	XY	XY	XY	XY	XY	Y	Y	Y	Y
25	XY	XY	XY	XY	XY	Y	Y	Y	Y
32	XY	XY	XY	XY	XY	Y	Y	Y	Y
40	XY	XY	XY	XY	XY	Y	Y	Y	Y
50	XY	XY	XY	XY	XY	Y	Y	Y	Y
63	XY	XY	XY	XY	XY	Y	Y	Y	Y
80	XY	XY	XY	XY	XY	Y	Y	Y	Y
100	XY	XY	XY	XY	XY	Y	Y	Y	Y

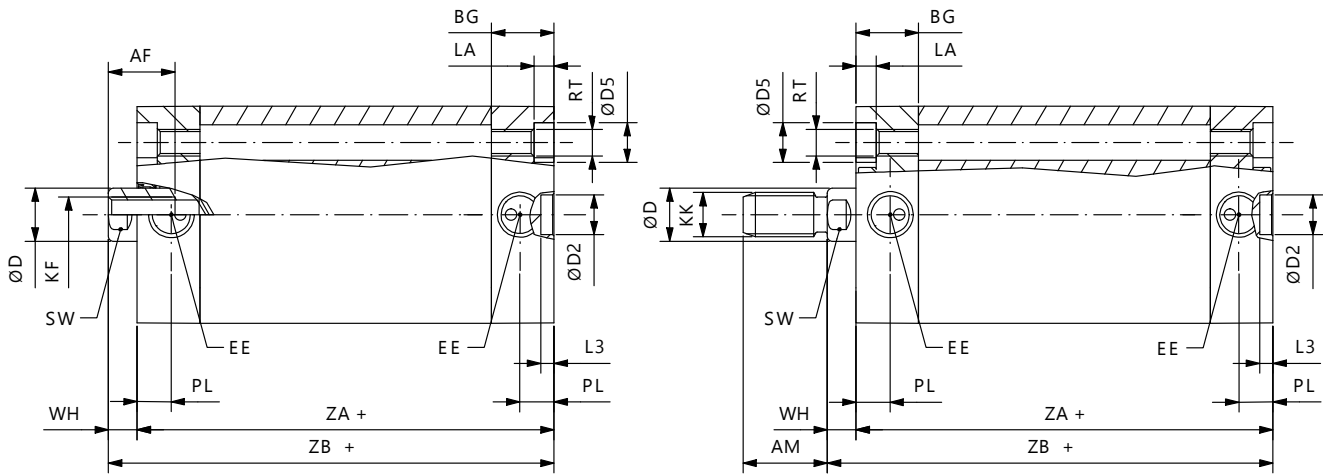
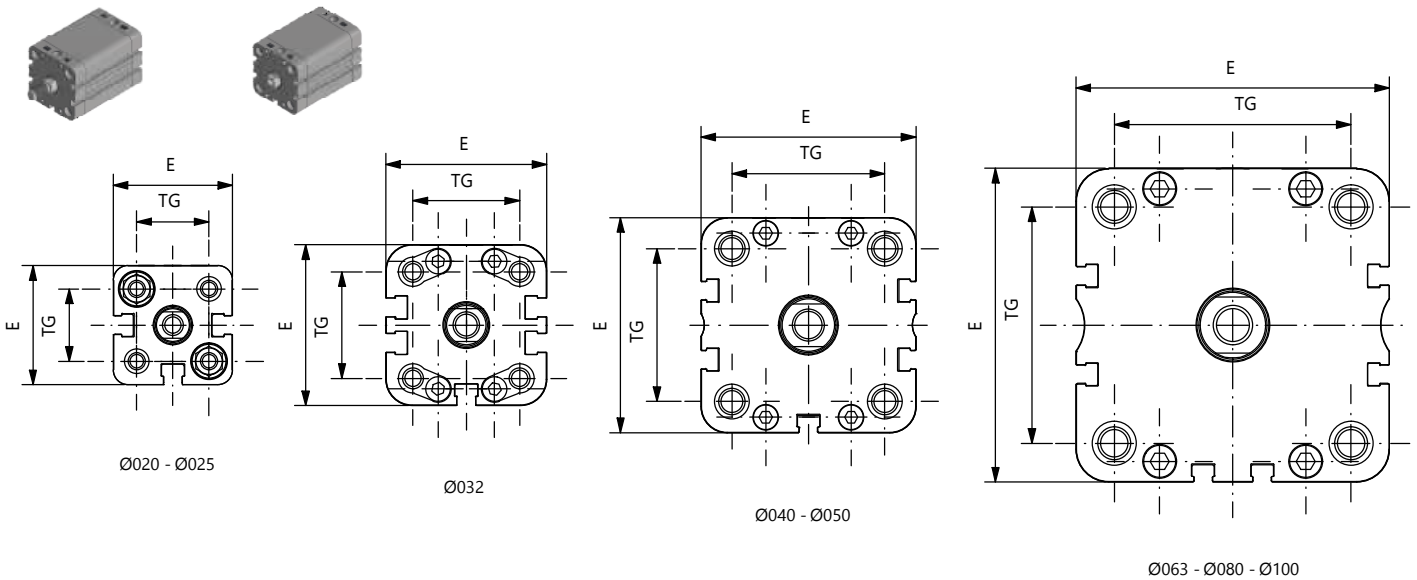
X= Single acting cylinder
Y= Double acting cylinder

THEORETICAL FORCES

∅	Theoretical spring forces (N) Corsa / Stroke 25	
	F1	F2
20	10	25
25	16	33
32	30	50
40	40	55
50	40	65
63	51	77
80	90	115
100	120	160

∅	Theoretical forces at 6 bar	
	force (N)	Traction force (N)
20	188	141
25	294	247
32	482	414
40	754	633
50	1178	989
63	1869	1681
80	3014	2720
100	4710	4416

TECHNICAL DRAWINGS



Ø	E	ØD2	RT	ØD5	KF	ØD	EE	PL	BG	TG	SW	L3	AF	WH	ZA +	AM	KK	ZB +	LA
20	36	9	M5	7,5	M6	10	M5	7,5	11,8	22	9	3	10	6	37	16	M8X1,25	43	4,5
25	40	9	M5	7,5	M6	10	M5	7,5	12,8	26	9	3	10	6	39	16	M8X1,25	45	4,5
32	49	9	M6	9	M8	12	1/8 G	7,5	14	32,5	10	3	12	7	44	19	M10X1,25	51	4,5
40	54,5	9	M6	9	M8	12	1/8 G	8	14,5	38	10	3	12	7	45	19	M10X1,25	52	5
50	65,5	12	M8	10,5	M10	16	1/8 G	8	14,5	46,5	13	4	16	8	45	22	M12X1,25	53	5
63	77	12	M8	10,5	M10	16	1/8 G	7,5	13,8	56,5	13	4	16	8	49	22	M12X1,25	57	5
80	95,5	12	M10	13,5	M12	20	1/8 G	8	15	72	17	4	20	10	54	28	M16X1,5	64	3
100	113,5	12	M10	13,5	M12	25	1/8 G	10,5	19,5	89	21	4	20	10	67	28	M16X1,5	77	3

+ = plus stroke length