

Series CCI-Multiple position

- Ø 25-100 mm
- double-acting
- with magnetic piston
- Cushioning elastic
- Piston rod Internal thread
- Piston rod Reinforced
- multi-position cylinder 5 positions



Compressed air connection	Internal thread
Working pressure min./max.	1,5 ... 10 bar
Ambient temperature min./max.	-20 ... 80 °C
Medium temperature min./max.	-20 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø	25 mm	40 mm	63 mm	100 mm
Retracting piston force	260 N	665 N	1766 N	4639 N
Extracting piston force	309 N	792 N	1964 N	4948 N
Impact energy	0,3 J	0,7 J	1 J	3 J
Max. single stroke	400 mm	850 mm	850 mm	850 mm
Stroke max.	1000 mm	2000 mm	2000 mm	2000 mm

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

In case of tensile load, positioning for intermediate strokes is only possible with counter pressure in the front chamber.

Use our Internet configurator to order variants with an external thread.

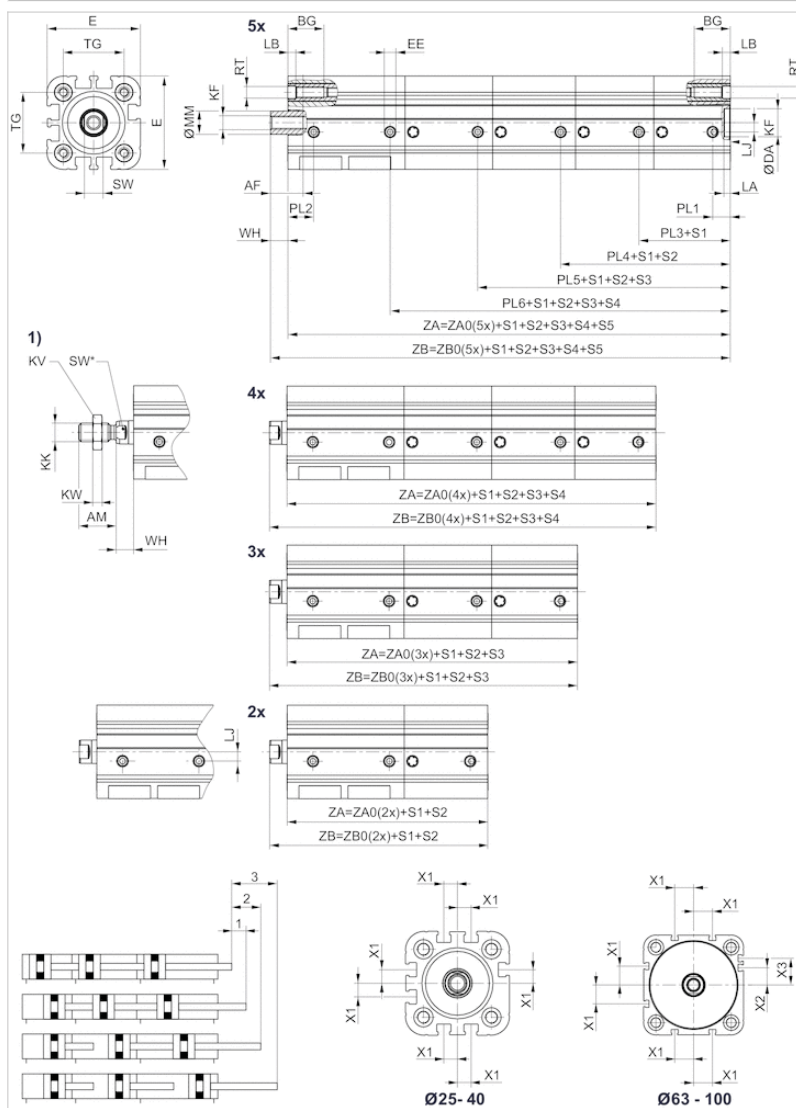
Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Aluminum
End cover	Aluminum

Material	
Seal	Polyurethane
Scraper	Polyurethane

Dimensions

Dimensions



S = stroke

1) External thread

Use our Internet configurator to order variants with an external thread.

Dimensions

Ø	25	40	63	100
AF 1)	14	20	20	26
AM (2)	16 (32)	24 (48)	32 (64)	40 (80)
BG 1)	15.5	17	18	20
DAH11	12	14	18	28
E	40	58	80	116
EE	M5	G 1/8	G 1/8	G 1/8
KF6H	M6	M10	M12	M16
KK	M8	M12x1,25	M16x1,5	M20x1,5
KV	13	18	24	30
KW	4	6	8	10
LA	2.5	2.5	2.5	3
LB 2)	3.5	4	5.5	6.5
LJ	4	9	15	27
MMf8	10	16	20	25
PL 1	7.5	12	10	13
PL 2	10	12	12	16.5
PL 3	37.1	44.1	46.3	61.4
PL4	66.6	72.6	82.8	109.2
PL5	96.1	101.1	119.3	157
PL6	125.6	129.6	155.8	204.8
RT	M5	M6	M8	M10
SW h13	8	13	16	21
SW*	–	13	16	21
TG	26 ±0,4	38 ±0,5	56,5 ±0,7	89 ±0,7
WH	7,5 ±1,4	9,5 ±1,6	10 ±1,6	12 ±2,0
X1	4.5	11	18	20
X2	–	–	12	20
X3	–	–	21	29
ZA0 (2x) ±0,5	70,8	78,5	90,9	119,4
ZA0 (3x) ±0,8	100,3	107	127,4	167,2
ZA0 (4x) ±1,1	129,8	135,5	163,9	215
ZA0 (5x) ±1,4	159,3	164	200,4	262,8
ZB0 (2x)	78.3	88	100.9	131.4
ZB0 (3x)	107.8	116.5	137.4	179.2
ZB0 (4x)	137.3	145	173.9	227
ZB0 (5x)	166.8	173.5	210.4	274.8

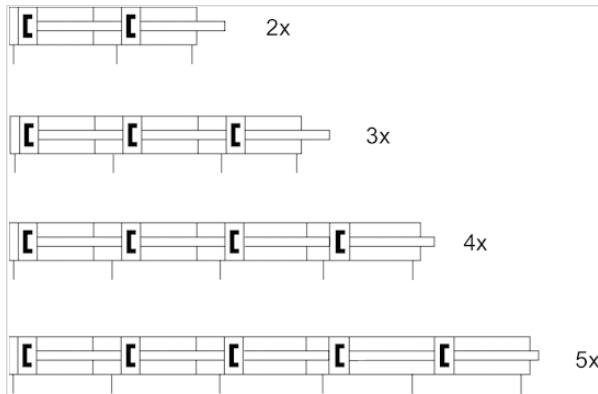
1) Min.

2) Max.

* Hexagonal wrench flats

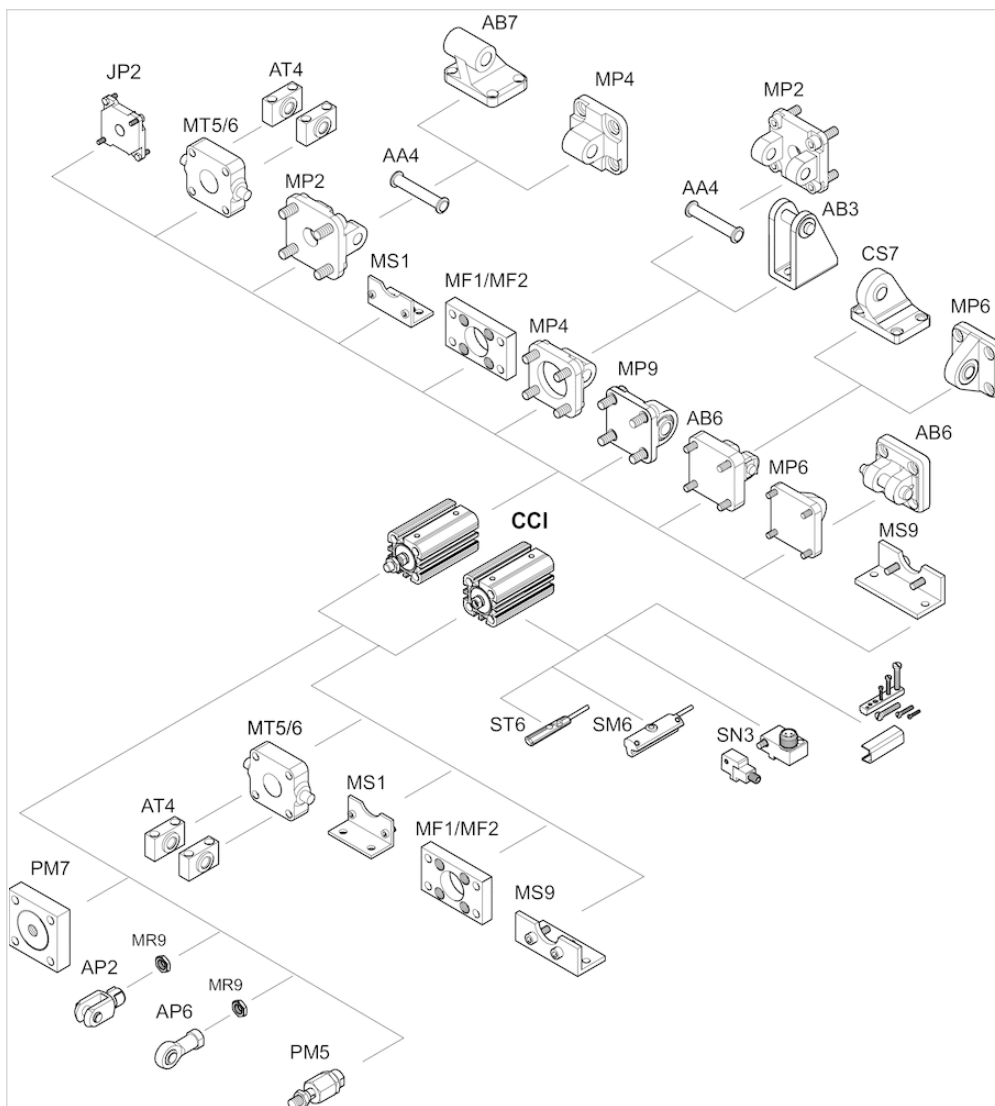
Diagrams

Circuit symbol



Accessories overview

Overview drawing



Due to the high possible forces, not all add-on parts are suitable for CCI tandem (see CCI-TD accessories overview).

NOTE: This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.