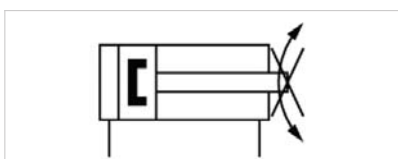


series CCI

- Ø 20-63 mm
- Ports M5
- double-acting
- with magnetic piston
- Cushioning elastic
- Piston rod Internal thread
- Piston rod non-rotating, Optionally through (hollow)
- ATEX optional



Standards	NFE 49004
Compressed air connection	Internal thread
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	20 mm	25 mm	32 mm	40 mm
Retracting piston force	148 N	260 N	435 N	720 N
Extracting piston force	198 N	309 N	507 N	792 N
Impact energy	0,2 J	0,3 J	0,5 J	0,7 J
Stroke max.	300 mm	300 mm	300 mm	300 mm
Torque for torsion protection, max. [Nm]	0,25 Nm	0,4 Nm	0,75 Nm	0,75 Nm
Working pressure min./max.	1 ... 10 bar	1 ... 10 bar	0,6 ... 10 bar	0,6 ... 10 bar
Sealing material	Nitrile butadiene rubber	Nitrile butadiene rubber	Polyurethane	Polyurethane

Piston Ø	50 mm	63 mm
Retracting piston force	1110 N	1827 N
Extracting piston force	1237 N	1964 N
Impact energy	1 J	1,3 J
Stroke max.	300 mm	300 mm
Torque for torsion protection, max. [Nm]	1,5 Nm	1,5 Nm
Working pressure min./max.	0,6 ... 10 bar	0,6 ... 10 bar
Sealing material	Polyurethane	Polyurethane

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).

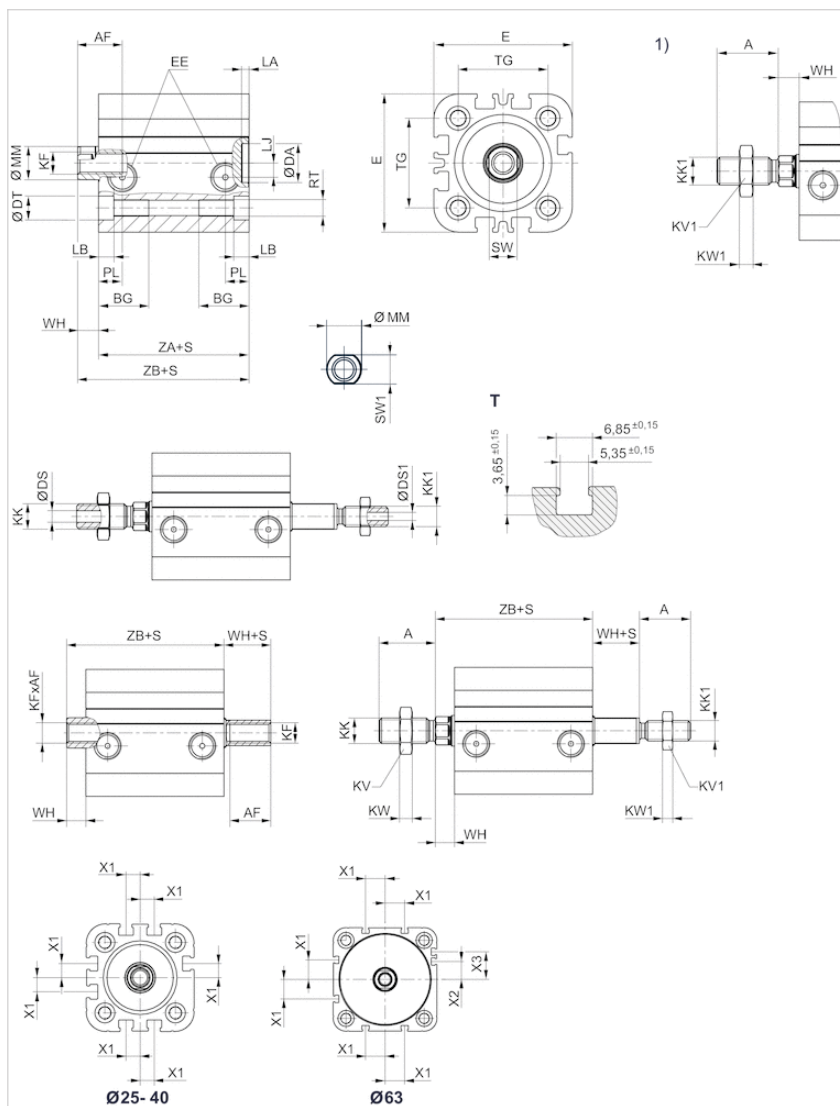
ATEX-certified cylinders with identification II 2G c IIB T4 / II 2D c IP65 T125°C X can be generated in the Internet configurator.

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
Seal	Nitrile butadiene rubber, Polyurethane
Scraper	Polyurethane

Dimensions



S = stroke

T = View for sensor groove

1) External thread

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

Dimensions

Ø	20	25	32	40	50	63
A	16	16	19	19	22	22
AF 1)	1210: S3 mm	1210: S3 mm	12	12	1612: S4 mm	1612: S4 mm
BG 1)	15.5	15.5	17	17	17	17
Ø DAH11	12	12	14	14	18	18

PDF creation date: 23.07.2018

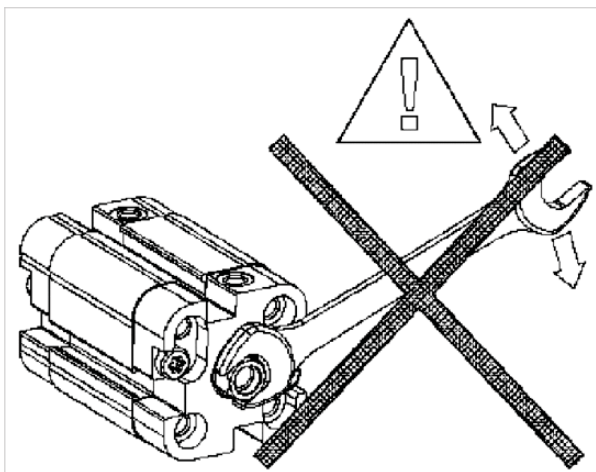
Ø	20	25	32	40	50	63
Ø DS	-	-	4.5	4.5	6	6
Ø DS1	-	-	4.5	4.5	4.5	4.5
Ø DTH13	7.5	8	9,2	9,2	11	11
E	36,3	40,3	50	58	68,9	80
EE	M5	G 1/8	G 1/8	G 1/8	G 1/8	G 1/8
KF	M6	M8	M8	M8	M10	M10
KK	M8x1,25	M8x1,25	M10x1,25	M10x1,25	M12x1,25	M12x1,25
KK1	-	-	M10x1,25	M10x1,25	M12x1,25	M12x1,25
KV	13	13	16	16	18	18
KV1	-	-	16	16	18	18
KW	4	4	5	5	6	6
KW1	4	4	4	4	5	5
LA	2.5	2.5	2.5	2.5	2.5	2.5
LB	4.5	4.5	5	5	5	5
LJ	4.5	4	5	10	12	15
LW	3.7	3.7	5	5	5.7	5.7
MMf8	10	10	12	12	16	16
PL	10	10	12	12	12	12
RT	M5	M5	M6	M6	M8	M8
SW	8	8	10	10	13	13
SW1	8	8	10	10	13	13
TG	22 ±0,4	26 ±0,4	32,5	38	40,5	50,5
WH	5,6	5,6	7.5	7.5	8	8
X1	4.2	4.5	6.5	11	13	18
X2	-	-	-	-	4	12
X3	-	-	-	-	13	21
ZA +S	34,9	37,3	39	44	45	45,5
ZB+S	42,9 ±0,9	40,6 ±0,9	51,5 ±1	52,5 ±1	53,5 ±1	57 ±1

1) Min.

2) Option: through piston rod

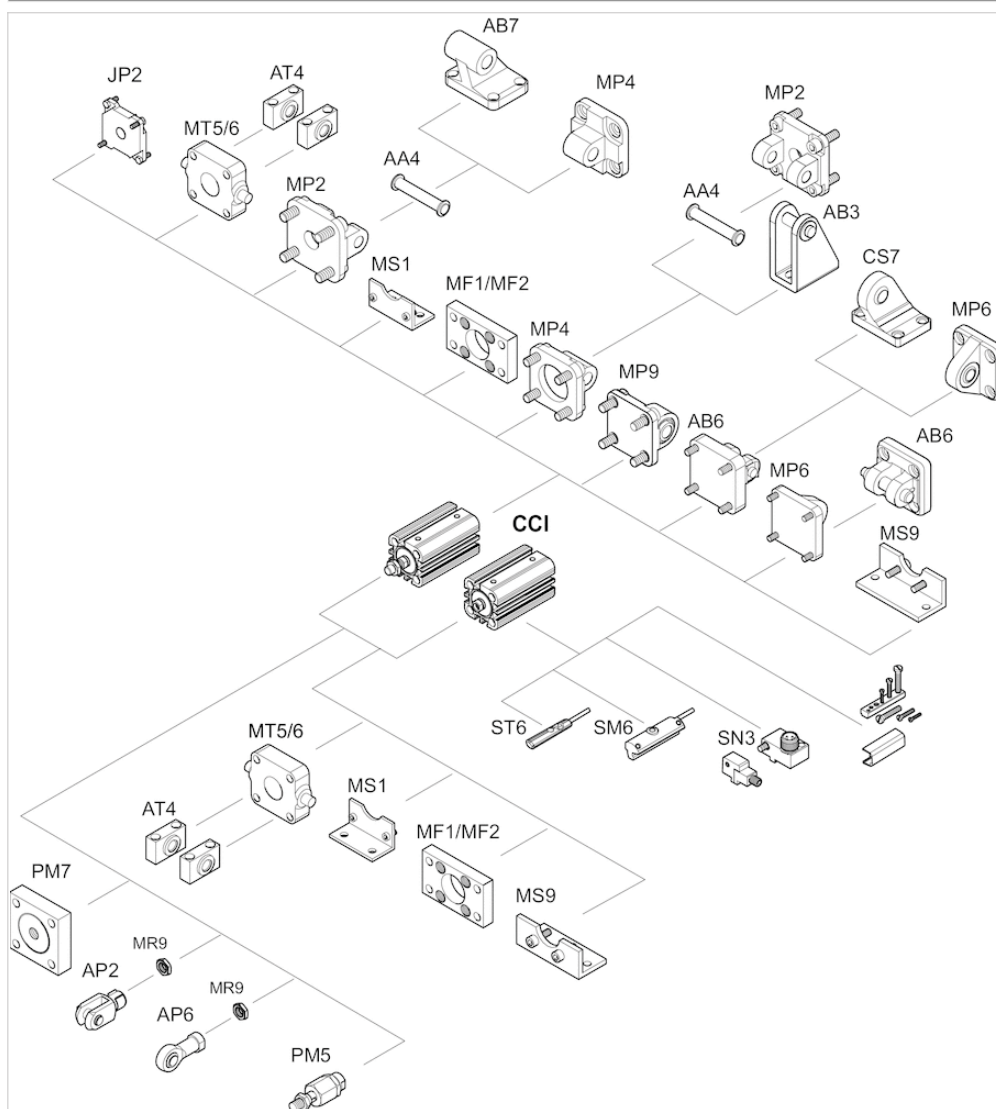
S = stroke

Dimensions



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.