

Series CP95

ISO/VDMA Air Cylinders

Specifications

Type		Model	Bore						Stroke end cushioning	Rod specifications					Upon receipt of order
			32	40	50	63	80	100		Standard type hard chromed	W	E	R	XB6	
Double acting	Standard	CP95SB	•	•	•	•	•	•	•	•	•	•	•	•	•
		CP95SDB	•	•	•	•	•	•	•	•	•	•	•	•	—
	Double rod	CP95SB•W	•	•	•	•	•	•	•	•	—	•	•	•	•
		CP95SDB•W	•	•	•	•	•	•	•	•	—	•	•	•	—
	Non-rotating rod	CP95KB	•	•	•	•	•	•	•	—	•	•	•	•	—
		CP95KDB	•	•	•	•	•	•	•	—	•	•	•	•	—

W = double/through rod
E = extended rod
R = stainless rod
XB6= heat resistant (to 150° C)

• available
— not available

How to order: Cylinders

CP95

S

D

B

32

–

80

Piston rod

S

Standard

K

Non-rotating

Q

Low friction

Standard (Order the mounting accessories separately – see page 5)

Stroke [mm] (Standard strokes – see page 6)

Ø Bore [mm]

32

40

50

63

80

100

Rod specifications

Nil

Hard chromed rod as standard

W

Double/through rod

E+..

Extended rod

R

Stainless rod (not required for KB/KDB non-rotating model which already includes stainless rod)

Special specifications

Nil

With dry compressed air or lubricated (Standard)

CA

Low friction in output direction

CB

Low friction in input direction

XB6

Heat resistant to 150° C (without magnet)*

* The non-rotating rod is not available for XB6 specification.

How to order: Accessories

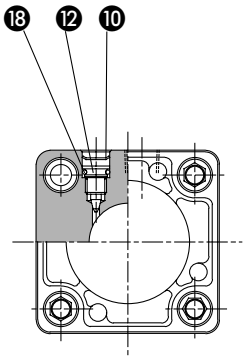
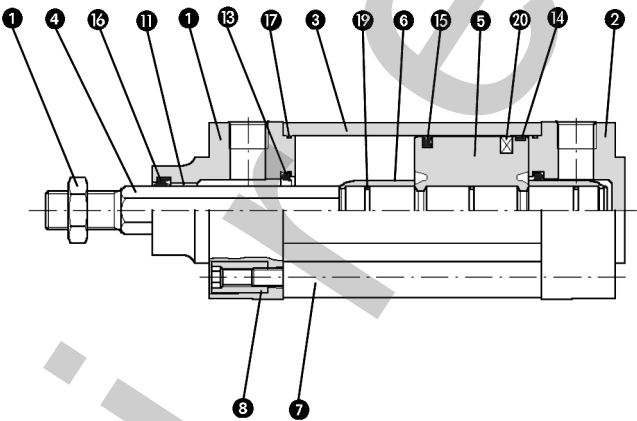
	Page
Mounting accessories	
Cylinder	5
Rod	5
Switches and switch holders	19-22
Snap-on switch groove covers	22
Seal kits	
1.8-4 standard models.....	8
non-rotating models.....	14

Series CP95K

Construction

Parts list

No.	Description	Material
1	Head cover	Die-cast aluminum
2	End cover	Die-cast aluminum
3	Cylinder tube	Die-cast aluminum
4	Piston rod	Stainless Steel
5	Piston	Die-cast aluminum
6	Cushion ring	Brass
7	Tie rod	Steel, zinc chromate plated
8	Tie rod nut	Steel, zinc chromate plated
9	Rod end nut	Steel, zinc chromate plated
10	Snap ring	Steel nickel plated
11	Bushing	Lead-bronze casting
12	Cushion valve	Steel, zinc chromate plated
13	Cushion seal	Elastomer
14	Wear ring	Antifriction material
15	Piston seal	NBR
16	Rod seal	NBR
17	Cylinder tube gasket	NBR
18	Cushioning valve seal	NBR
19	Piston/rod gasket	NBR
20	Magnet ring	



Replacement parts: Seal kits

Ø32 includes the order No. from 13 to 17,
Ø40-Ø100 includes from 12 to 18.

Ø Bore	Order No.
32	CK95-32
40	CK95-40
50	CK95-50
63	CK95-63
80	CK95-80
100	CK95-100

Theoretical output table

The value at the OUT side is the same as the double acting single rod type, but the value at the IN side is different. Refer to the table below.

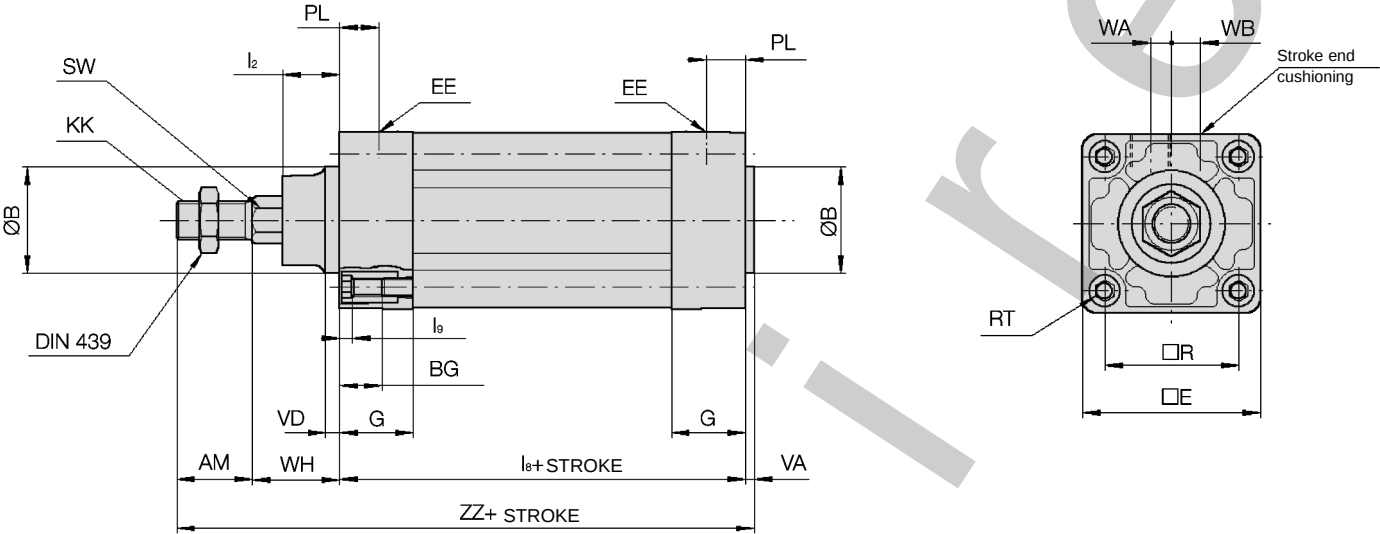
Bore size (mm)	Piston area (mm ²)	Bore size (mm)	Piston area (mm ²)
32	675	63	2804
40	1082	80	4568
50	1651	100	7223

Theoretical output (N) =Pressure (MPa) x Piston area (mm²).
1N: approx. 0.102kgf 1MPa: approx. 10.2kgf/cm²

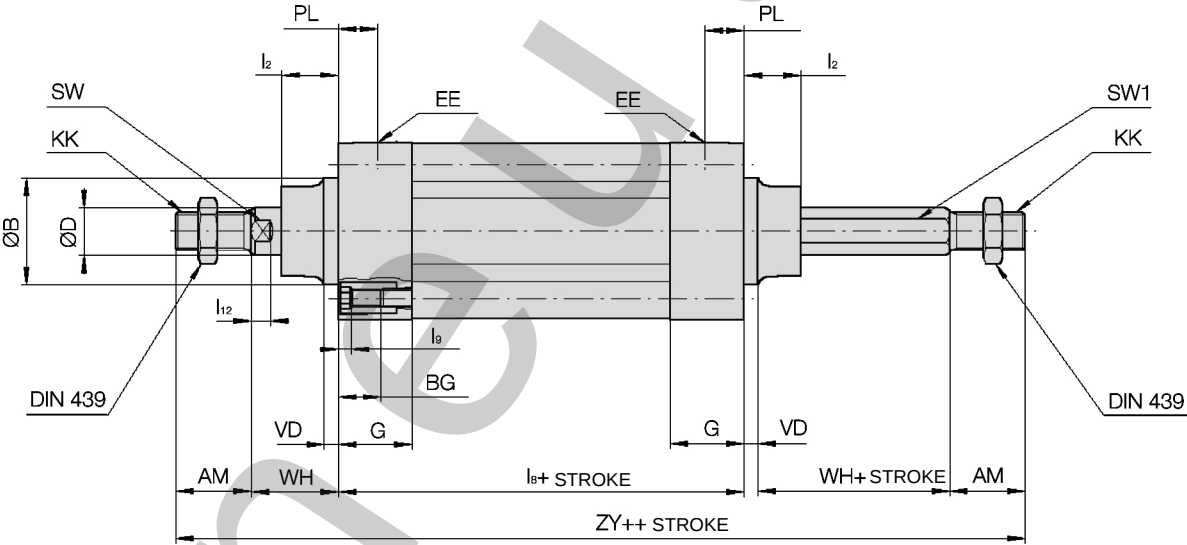
Dimensions – non-rotating rod specification

[mm]

CP95K□BØ-Stroke



CP95K□BØ-Stroke W



Ø Bore	AM	ØB	ØD	EE	PL	RT	I ₁₂	KK	SW	SW1	G	BG	I ₈	VD	VA	WA	WB	WH	ZZ	ZY	□E	□R	I ₂	I _g
32	22	30	12	G1/8	13	M6	6	M10x1.25	10	12.2	27	16	94	4	4	4	6.5	26	146	190	46	32.5	15	4
40	24	35	16	G1/4	14	M6	6.5	M12x1.25	13	14.2	27	16	105	4	4	4	9	30	163	213	52	38	17	4
50	32	40	20	G1/4	15.5	M8	8	M16x1.5	16	19	31.5	16	106	6	4	5	10.5	37	179	244	65	46.5	24	5
63	32	45	20	G3/8	16.5	M8	8	M16x1.5	16	19	31.5	16	121	6	4	9	12	37	194	259	75	56.5	24	5
80	40	45	25	G3/8	19	M10	10	M20x1.5	21	23	38	16	128	8	4	11.5	14	46	218	300	95	72	30	5
100	40	55	30	G1/2	19	M10	10	M20x1.5	21	27	38	16	138	8	4	17	15	51	233	320	114	89	32	5