

ISO/VDMA Air Cylinder

Series CP95 VDMA

Double acting with end of stroke cushioning Ø32 - Ø100

- Conforms to VDMA 24 562 (parts 1 and 2), ISO 6431 and CETOP standards

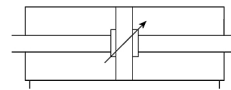
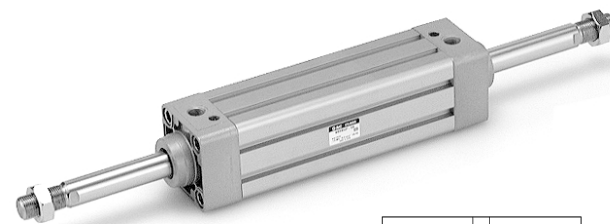
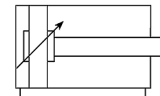
- Combines lightweight profile barrel design with enclosed tie rods for extra strength

- Unique seal system ensures efficient performance and long life

- Fully adjustable cushioning at end of stroke

- Magnetic proximity sensing

- Superior cushioning performance and kinetic energy absorption



Technical specifications

Bore [mm]	32	40	50	63	80	100
Type	Non-lube type					
Action	Double acting single rod					
Fluid	Compressed air filtered to <10 µm, lubricated or non lubricated (dry air)					
Proof pressure	1.5MPa {15.3kgf/cm ² }					
Maximum operating pressure	1.0MPa {10.2kgf/cm ² }					
Minimum operating pressure	0.05MPa {0.5kgf/cm ² }					
Piston force	Up to 7500N					
Piston rod	Hard chromed steel (25µm finish)					
Lubrication	Not required (non-lube)					
Rod diameter [mm]	12	16	20	20	25	30
Piston rod thread	M10x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5	M20x1.5
Ports	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2
Cushioning stroke [mm]	19	19	24	24	30	30
Mounting position	Any					
Standard strokes (DIN ISO 4393) [mm]	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800					
Stroke tolerance [mm]	Other stroke lengths in accordance with ISO497 R 10					
Working pressure [MPa]	<250mm: + 1.0/-0mm, <1000mm: + 1.4/-0mm, <1500mm: + 1.8/-0mm					
Fluid and ambient temperature [°C]	0.05 - 1.0					
Piston speed [mm/s]	-10°C to +60°C, -10°C to +70°C without magnet					
	50 - 1000					

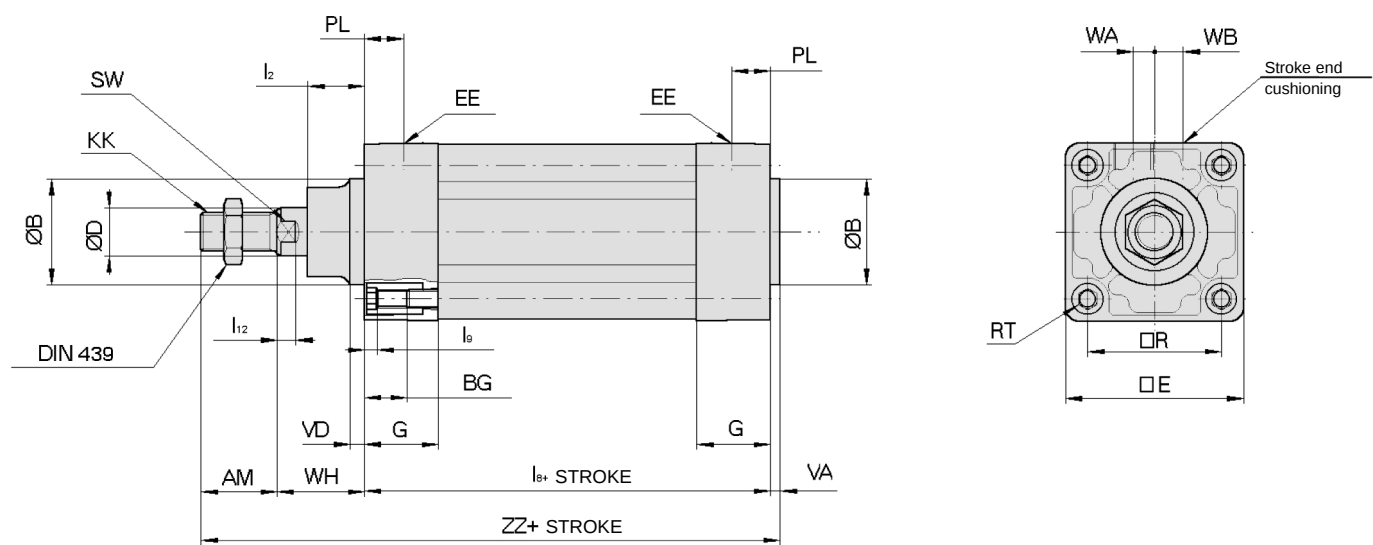
Standard strokes

Ø Bore	Standard stroke	Max. stroke
32	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500	700
40	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500	800
50	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500, 600	1200
63	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500, 600	1200
80	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500, 600, 700, 800	1400
100	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 450, 500, 600, 700, 800	1500

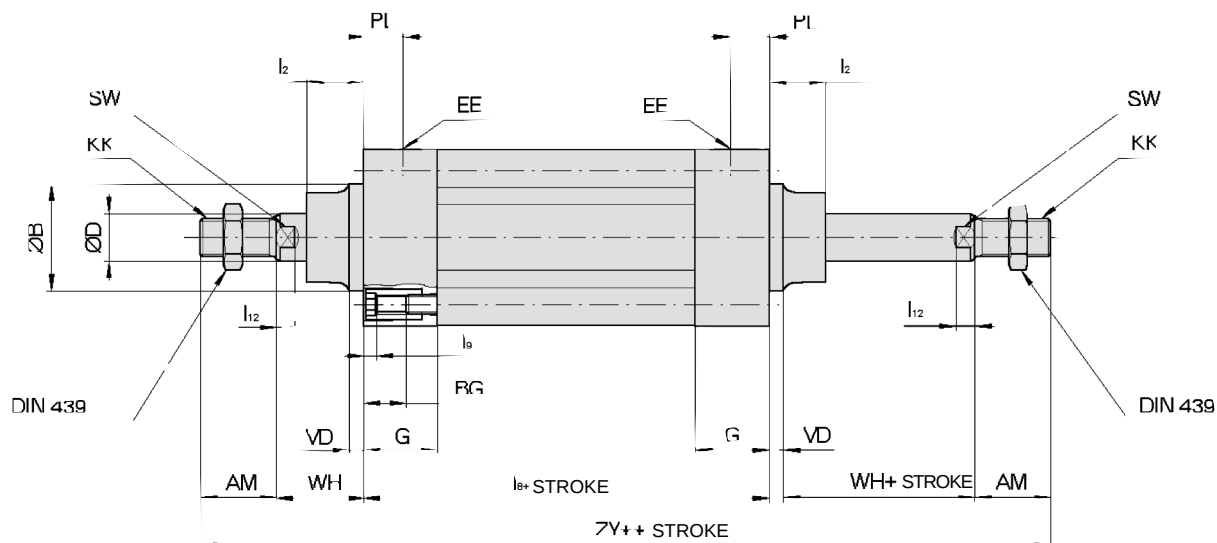
Note: Intermediate strokes are also available

Dimensions - standard specifications [mm]

CP95S□BØ-stroke



CP95S□BØ-stroke W



Ø Bore	AM	ØB	ØD	EE	PL	RT	I ₁₂	KK	SW	G	BG	I ₈	VD	VA	WA	WB	WH	ZZ	ZY	□E	□R	I ₂	I ₉
32	22	30	12	G1/8	13	M6	6	M10x1.25	10	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	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	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	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	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	38	16	138	8	4	17	15	51	233	320	114	89	32	5