

Series **CP95**

ISO/VDMA Air Cylinders

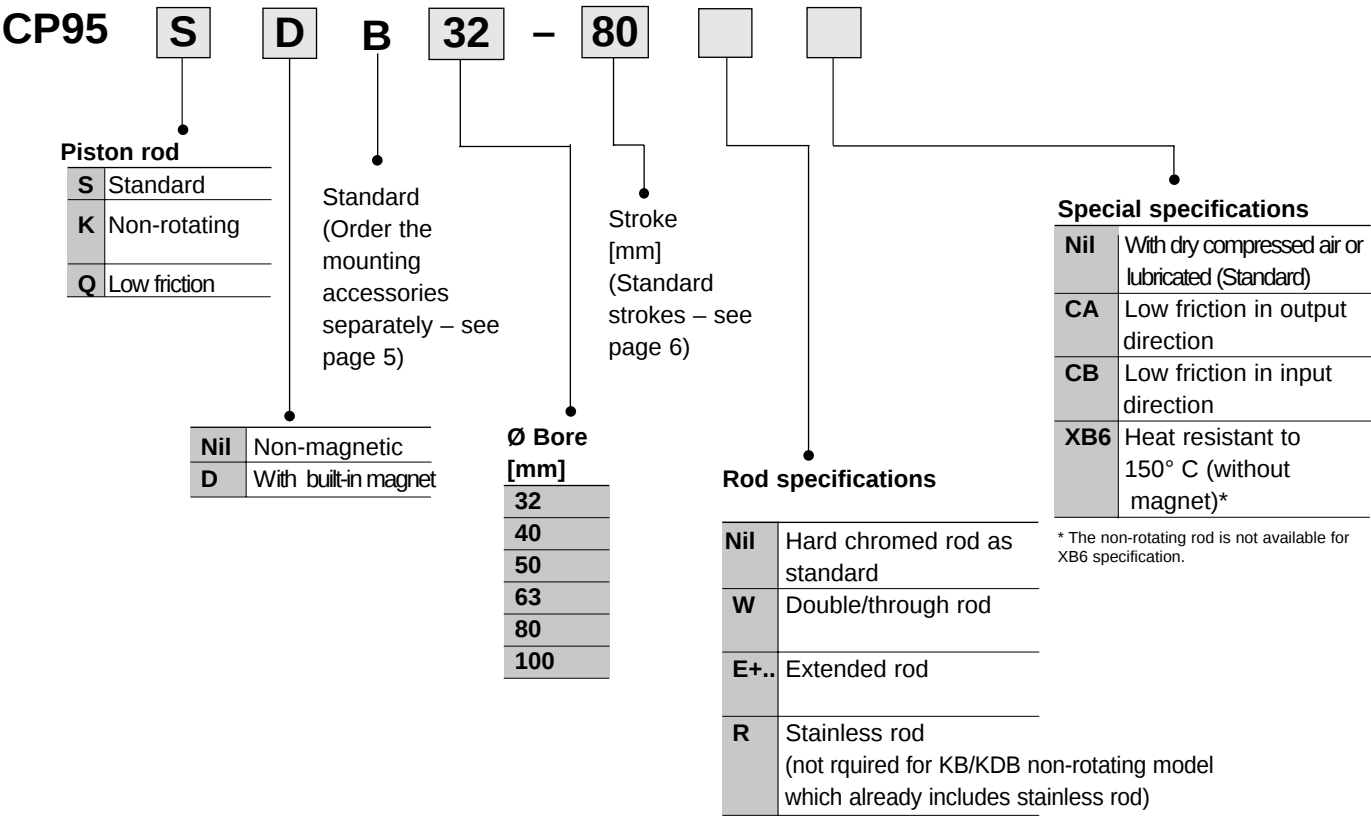
Specifications

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



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

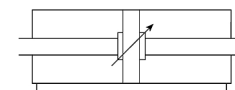
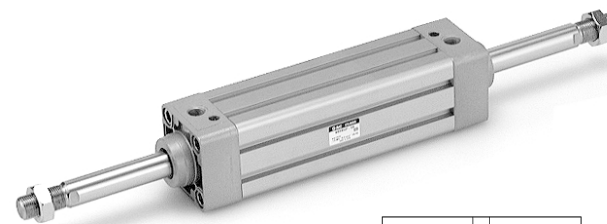
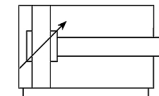
- Combines lightweight profile barrel design with enclosed tie rods for extra strength

- 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