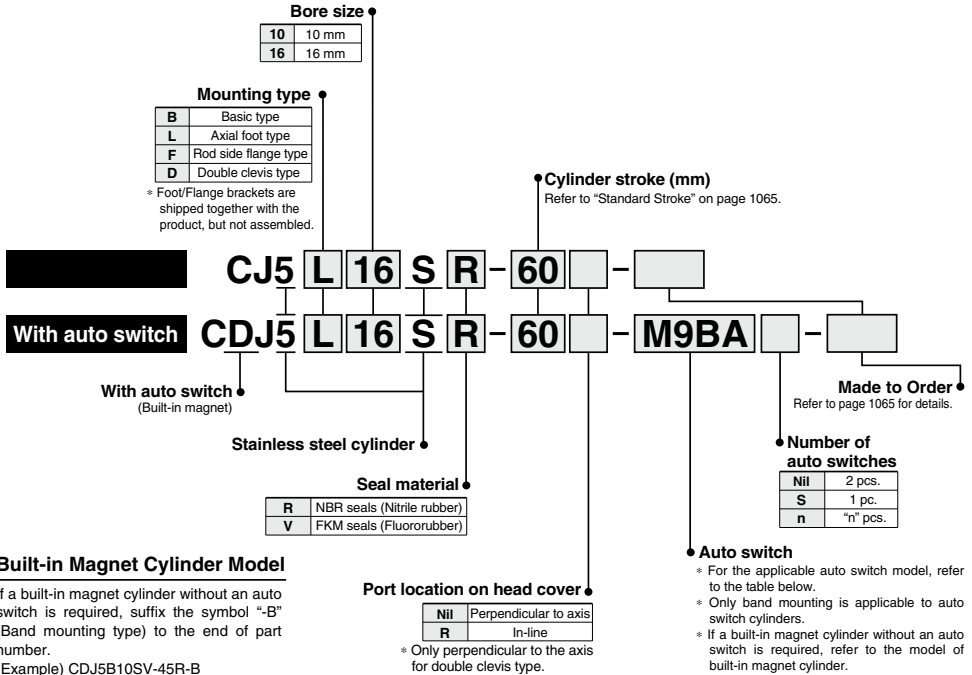


Stainless Steel Cylinder

CJ5-S Series

ø10, ø16

How to Order



Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, suffix the symbol "-B" (Band mounting type) to the end of part number.
(Example) CDJ5B10SV-45R-B

Applicable Auto Switches

Refer to pages 1575 to 1701 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)*				Pre-wired connector	Applicable load	
					DC	Band mounting(ø10, ø16)	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	IC circuit	Relay, PLC			
														Perpendicular	In-line
Solid state auto switch	Water resistant (2-color indicator)	Grommet	Yes	3-wire(NPN)	24 V	5 V, 12 V	M9NAV	M9NA	○	○	●	○	○	—	—
				3-wire(PNP)			M9PAV	M9PA	○	○	●	○			
				2-wire			M9BAV	M9BA	○	○	●	○			

* Lead wire length symbols: Nil.....0.5 m (Example) D-M9NA
M.....1 m (Example) D-M9NAM
L.....3 m (Example) D-M9NAL
Z.....5 m (Example) D-M9NAZ

* Solid state auto switches marked with "○" are produced upon receipt of order.

* For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.

Mounting Bracket Part No.

Mounting bracket	Bore size (mm)		Description
	10	16	
Foot	CJ-L016 Stainless steel	CJK-L016 Stainless steel	Foot x 1
Flange	CJ-F016 Stainless steel	CJK-F016 Stainless steel	Flange x 1
T-bracket*	CJ-T010 Stainless steel	CJ-T016 Stainless steel	T-bracket x 1

* T-bracket is applicable to the double clevis type (D).

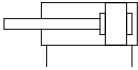
Grease pack for stainless steel cylinders/Part no.: GR-R-010 (10 g)

Specifications



Symbol

Double acting,
Single rod, Rubber bumper



Bore size (mm)	10	16
Action	Double acting, Single rod	
Fluid	Air	
Proof pressure	1 MPa	
Maximum operating pressure	0.7 MPa	
Minimum operating pressure	0.1 MPa	
Ambient and fluid temperature	Without auto switch: -10 to 70°C With auto switch: -10 to 60°C	
Cushion	Rubber bumper	
Lubrication	Not required (Non-Lube)	
Stroke length tolerance	+1.0 0	
Piston speed	50 to 750 mm/s	
Allowable kinetic energy	0.035 J	0.090 J
Mounting type	Basic type, Axial foot type, Rod side flange type, Double clevis type	

CJ5
CG5

HY□

Water
Resistant

Standard Stroke

(mm)

Bore size (mm)	Standard stroke	Maximum manufacturable stroke
10	15, 30, 45, 60, 75, 100, 125, 150	400
16	15, 30, 45, 60, 75, 100, 125, 150, 175, 200	



Made to Order

(For details, refer to pages 1703 to 1896.)

Symbol	Specifications
-XA□	Change of rod end shape

* Manufacture of intermediate strokes at 1 mm intervals is possible. (Spacers are not used.)

* For the one with auto switch, refer to the minimum stroke for auto switch mounting. (P. 1077)

Mounting Type and Accessory

●: Supplied with the product. ○: Please order separately.

Mounting		Basic type	Axial foot type	Rod side flange type	Double clevis type *
Standard equipment	Mounting nut	●	●	●	—
	Rod end nut	●	●	●	●
	Clevis pin	—	—	—	●
Option	Single knuckle joint	○	○	○	○
	Double knuckle joint (With pin) *	○	○	○	○
	T-bracket	—	—	—	○
	Rod end cap	Flat type	○	○	○
Round type		○	○	○	○

* Pin and retaining ring are shipped together with double clevis and double knuckle joint.

Weight

(g)

Bore size (mm)		10	16
Basic weight *		52	96
Additional weight per each 15 mm of stroke		4	6.5
Mounting bracket weight	Axial foot type	22	22
	Rod side flange type	16	16
	Double clevis type (With pin) **	6	16

* Mounting nut and rod end nut are included in the basic weight.

** Mounting nut is not included in double clevis type.

Calculation: (Example) **CJ5L10SR-45**

- Basic weight 52 g (ø10)
- Additional weight 4 g/15 stroke
- Cylinder stroke 45 stroke
- Mounting bracket weight 22 g (Axial foot type)
52 + 4/15 × 45 + 22 = 86 g

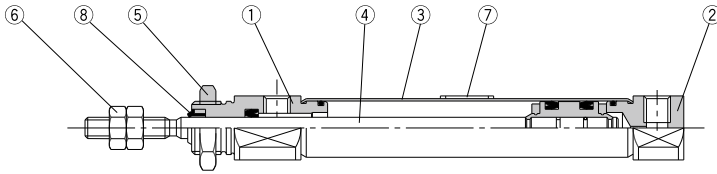
D-□

-X□

Technical
Data

CJ5-S Series

Construction (Not able to disassemble.)



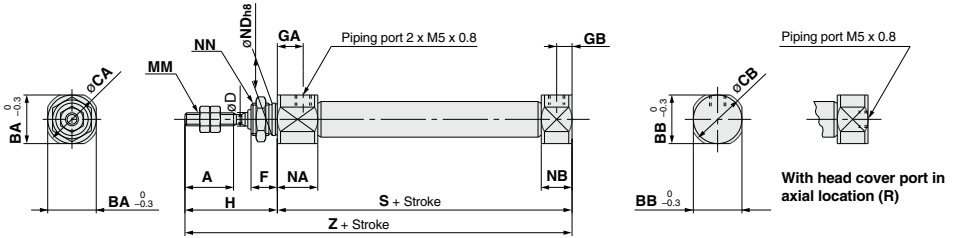
Component Parts

No.	Description	Material	
1	Rod cover	Stainless steel 304	
2	Head cover	Stainless steel 304	
3	Cylinder tube	Stainless steel 304	
4	Piston rod	Stainless steel 304	
5	Mounting nut	Stainless steel 304	
6	Rod end nut	Stainless steel 304	
7	Label protector	PET	
8	Water resistant scraper	CJ5□□SR	NBR
		CJ5□□SV	FKM

Note) Component part material and surface treatment other than listed above are the same as the standard type of the CJ2 series.

Dimensions

Basic type (B): C□J5B□S ^R_V



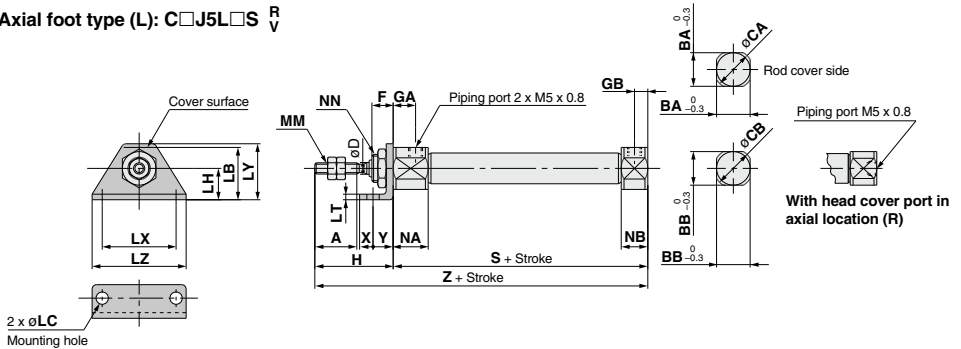
CJ5
CG5

HY□

Water
Resistant

Bore size (mm)	A	BA	BB	CA	CB	D	F	GA	GB	H	MM	NN	NA	NB	NDh8	S	Z
10	15	15	12	17	14	4	8	8	5	28	M4 x 0.7	M10 x 1.0	12.5	9.5	10 ⁰ _{-0.022}	46	74
16	15	18.3	18.3	20	20	5	8	8	5	28	M5 x 0.8	M12 x 1.0	12.5	9.5	12 ⁰ _{-0.027}	47	75

Axial foot type (L): C□J5L□S ^R_V



Bore size (mm)	A	BA	BB	CA	CB	D	F	GA	GB	H	LB	LC	LH	LT	LX	LY	LZ	MM	NN	NA	NB	S	X	Y	Z
10	15	15	12	17	14	4	8	8	5	28	21.5	5.5	14	2.5	33	25	42	M4 x 0.7	M10 x 1.0	12.5	9.5	46	6	9	74
16	15	18.3	18.3	20	20	5	8	8	5	28	23	5.5	14	2.5	33	25	42	M5 x 0.8	M12 x 1.0	12.5	9.5	47	6	9	75

D-□

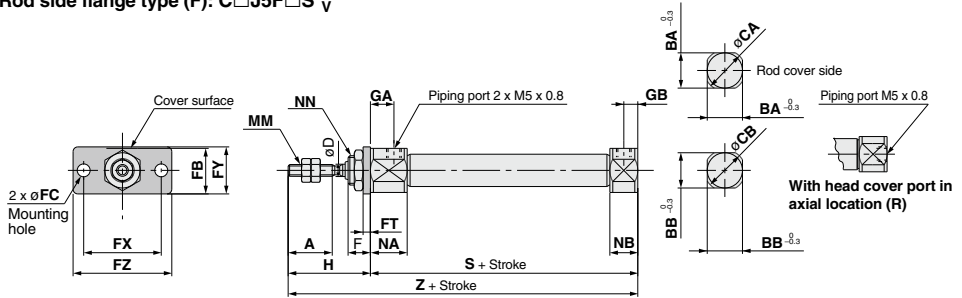
-X□

Technical
Data

CJ5-S Series

Dimensions

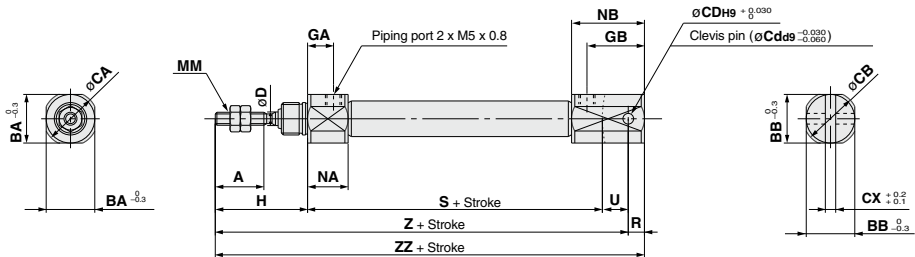
Rod side flange type (F): C□J5F□S^R_V



(mm)

Bore size (mm)	A	BA	BB	CA	CB	D	F	FB	FC	FT	FX	FY	FZ	GA	GB	H	MM	NN	NA	NB	S	Z
10	15	15	12	17	14	4	8	17.5	5.5	2.5	33	20	42	8	5	28	M4 x 0.7	M10 x 1.0	12.5	9.5	46	74
16	15	18.3	18.3	20	20	5	8	19	5.5	2.5	33	20	42	8	5	28	M5 x 0.8	M12 x 1.0	12.5	9.5	47	75

Double clevis type (D): C□J5D□S^R_V



(mm)

Bore size (mm)	A	BA	BB	CA	CB	CD (Cd)	CX	D	GA	GB	H	MM	NA	NB	R	S	U	Z	ZZ
10	15	15	12	17	14	3.3	3.2	4	8	18	28	M4 x 0.7	12.5	22.5	5	46	8	82	87
16	15	18.3	18.3	20	20	5	6.5	5	8	23	28	M5 x 0.8	12.5	27.5	8	47	10	85	93

* Clevis pin and retaining ring are shipped together.

