

Series CJ2RK

⚠ Caution

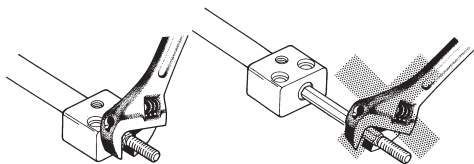
Caution on Handling

<When mounting>

- Avoid using the air cylinder in such a way that rotational torque would be applied to the piston rod because this will deform the non-rotating guide, thus affecting the non-rotating accuracy.

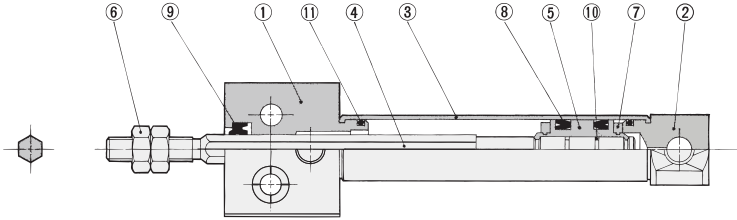
Allowable rotational torque (N-m)	ø10	ø16
	0.02	0.04

- Operate the cylinder in such a way that the load to the piston rod is always applied in the axial direction.
- To screw a bracket onto the threaded portion at the tip of the piston rod, make sure to retract the piston rod entirely, and place a wrench over the flat portion of the rod that protrudes. Tighten it by giving consideration to prevent the tightening torque from being applied to the non-rotating guide.



Air Cylinder: Direct Mount, Non-rotating Rod Type Double Acting, Single Rod *Series CJ2RK*

Construction (Not able to disassemble)



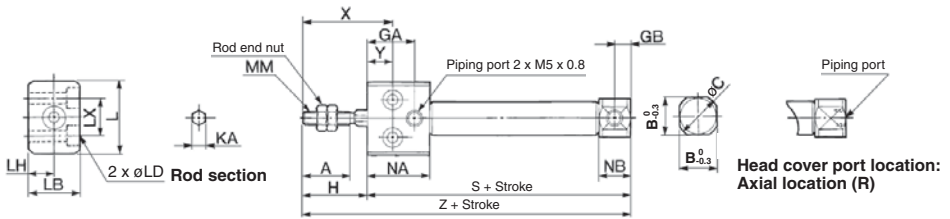
Component Parts

No.	Description	Material	Note
1	Rod cover	Aluminum alloy	Anodized
2	Head cover	Aluminum alloy	Anodized
3	Cylinder tube	Stainless steel	
4	Piston rod	Stainless steel	
5	Piston	Aluminum alloy	
6	Rod end nut	Rolled steel	Zinc chromated

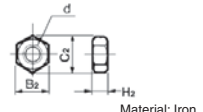
No.	Description	Material	Note
7	Bumper	Urethane	
8	Piston seal	NBR	
9	Rod seal	NBR	
10	Piston gasket	NBR	
11	Tube gasket	NBR	

Bottom Mounting Style

CJ2RKA Bore size Stroke Head cover port location



Rod End Nut



Material: Iron

Part no.	Applicable bore (mm)	B ₂	C ₂	d	H ₂
NTJ-010A	10	7	8.1	M4 x 0.7	3.2
NTJ-015A	16	8	9.2	M5 x 0.8	4

Bore size	A	B	C	GA	GB	H	KA	L	LB	LD	LH	LX	MM	NA	NB	X	Y	S	Z
10	15	12	14	16	5	20	4.2	23	16	ø3.5, ø6.5 counterbore depth 4	8	12	M4 x 0.7	20.5	9.5	28	8	54	74
16	15	18.3	20	16	5	20	5.2	26	20	ø4.5, ø8 counterbore depth 5	10	16	M5 x 0.8	20.5	9.5	28	8	55	75

CJ1

CJP

CJ2
-Z

CJ2

CM2
-Z

CM2

CM3

CG1
-Z

CG1

CG3

MB
-Z

MB

MB1

CA2
-Z

CA2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

CS2

CS1

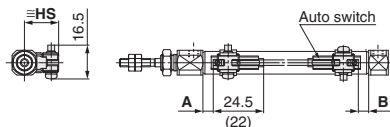
CS2

Series CJ2 Auto Switch Mounting

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height

Reed Auto Switch <Band mounting type>

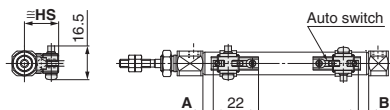
D-A9□ type



(): Values for D-A96

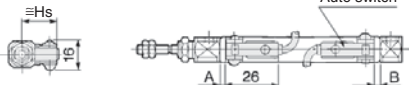
A and B are the dimensions from the end of the head cover/rod cover to the end of the auto switch.

D-A9□V type

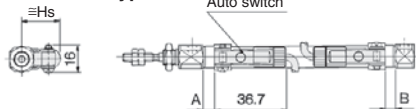


A and B are the dimensions from the end of the head cover/rod cover to the end of the auto switch.

D-C7□/C80 type



D-C73C□/C80C type

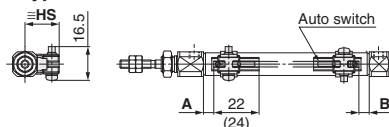


Solid State Auto Switch <Band mounting type>

D-M9□ type

D-M9□W type

D-M9□A type



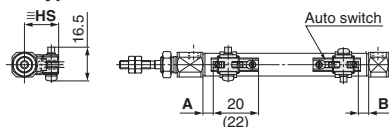
(): Values for D-M9□A

A and B are the dimensions from the end of the head cover/rod cover to the end of the auto switch.

D-M9□V type

D-M9□WV type

D-M9□AV type



(): Values for D-M9□AV

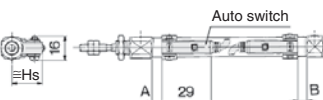
A and B are the dimensions from the end of the head cover/rod cover to the end of the auto switch.

D-H7□ type

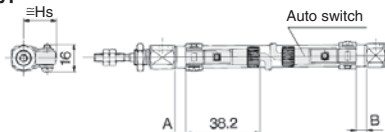
D-H7□W type

D-H7BA type

D-H7NF type



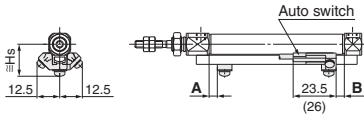
D-H7C type



Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height

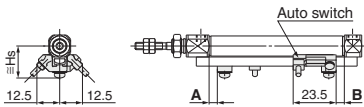
<Rail mounting type>

D-A9□ type

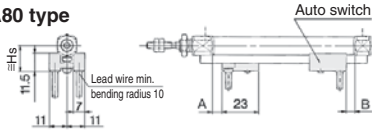


(): Values for D-A93

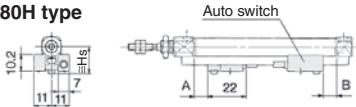
D-A9□V type



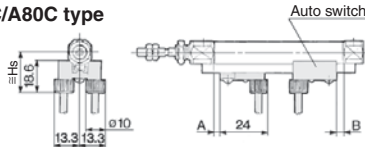
D-A7□/A80 type



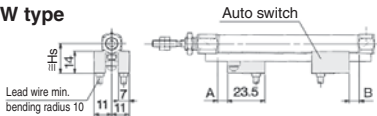
D-A7□H/A80H type



D-A73C/A80C type



D-A79W type

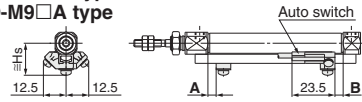


<Rail mounting type>

D-M9□ type

D-M9□W type

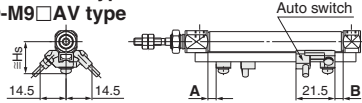
D-M9□A type



D-M9□V type

D-M9□WV type

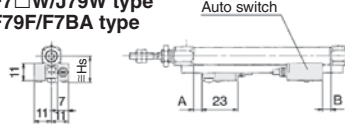
D-M9□AV type



D-F7□/J79 type

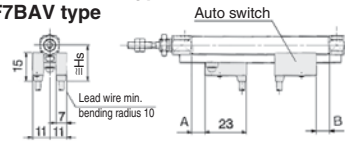
D-F7□W/J79W type

D-F79F/F7BA type

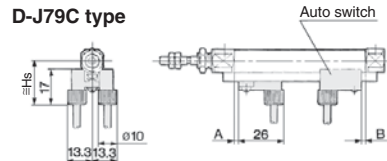


D-F7□V/F7□WV type

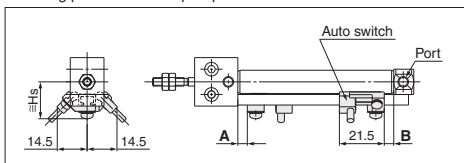
D-F7BAV type



D-J79C type



For the direct mount type, the relation between the auto switch mounting position and the port position is as shown below.



CJ1

CJP

CJ2
-Z

CJ2

CM2
-Z

CM2

CM3

CG1
-Z

CG1

CG3

MB
-Z

MB

MB1

CA2
-Z

CA2

CS1

CS2

D-□

-X□

Technical
data

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height

Proper Auto Switch Mounting Position (Single acting type excluded) (mm)

Auto switch model	Band mounting							
	D-M9□ D-M9□W D-M9□V D-M9□WV D-M9□A D-M9□AV		D-A9□ D-A9□V		D-C7□ D-C80 D-C73C D-C80C		D-H7□ D-H7C D-H7NF D-H7□W D-H7BA	
Bore size	A	B	A	B	A	B	A	B
6	5.5[4.5] (12)	5.5[4.5] (4)	1.5[0.5] (8)	1.5[0.5] (0)	2 (8.5)	2 (0.5)	1 (7.5)	1 (0)
10	6[5]	5[5]	2[1]	2[1]	2.5	2.5	1.5	1.5
16	6.5[5.5]	6.5[5.5]	2.5[1.5]	2.5[1.5]	3	3	2	2

(mm)

Auto switch model	Rail mounting											
	D-M9□ D-M9□V D-M9□W D-M9□WV D-M9□A D-M9□AV		D-A9□ D-A9□V		D-A7□ D-A80		D-A7□H/A80H D-A73C/A80C D-F7□J79 D-F7□W/J79W D-F7□V/F7□WV D-F79F D-J79C D-F7BA D-F7BAV		D-F7NT		D-A79W	
Bore size	A	B	A	B	A	B	A	B	A	B	A	B
6	—	—	—	—	—	—	—	—	—	—	—	—
10	4.5	4.5	0.5	0.5	3	3	3.5	3.5	8.5	8.5	0.5	0.5
16	5	5	1	1	3.5	3.5	4	4	9	9	1	1

* The values in () are measured from the end of the auto switch mounting bracket.

* Figures in parentheses for bore ø6 are for the double rod type (Series CJ2W).

** In the actual setting, adjust them after confirming the auto switch performance.

Auto Switch Mounting Height

(mm)

Auto switch model	Band mounting					
	D-M9□ D-M9□W D-M9□A D-A9□	D-M9□V D-M9□WV D-M9□AV D-A9□V	D-H7□/H7□W D-H7NF D-H7BA D-C7□/C80	D-C73C D-C80C	D-H7C	D-A7□ D-A80
Bore size	Hs	Hs	Hs	Hs	Hs	Hs
6	15	16	15	17.5	18	—
10	17	18	17	19.5	20	16.5
16	20.5	21	20.5	23	23.5	19.5

(mm)

Auto switch model	Rail mounting					
	D-M9□ D-M9□V D-M9□W D-M9□WV D-M9□A D-M9□AV D-A9□ D-A9□V	D-F7□J79 D-F7□W/J79W D-F7BA/F79F D-F7NT D-A7□H/A80H	D-A73C D-A80C	D-F7□V D-F7□WV D-F7BAV	D-J79C	D-A79W
Bore size	Hs	Hs	Hs	Hs	Hs	Hs
6	—	—	—	—	—	—
10	17.5	17.5	23.5	20	23	19
16	21	20.5	26.5	23	26	22

**Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height
Single Acting, Spring Return Type (S)**

Proper auto switch mounting position: Spring return type (S)

- Standard type (CDJ2□□□-□S)
- Non-rotating rod type (CDJ2K□□□-□S)
- Direct mount type (CDJ2R□□□-□S)
- Non-rotating rod/Direct mount type (CDJ2RK□□□-□S)

Auto switch model		Bore size	A Dimensions							B	(mm)
			10 to 15 st	16 to 30 st	31 to 45 st	46 to 60 st	61 to 75 st	76 to 100 st	101 to 125 st		
Band mounting	D-A9□	6	8	17	21	35	—	—	—	—	1.5
		10	8.5	16	28	40	—	—	—	—	2
	D-M9□ D-M9□W	6	12	21	25	39	—	—	—	—	5.5
		10	12.5	20	32	44	—	—	—	—	6
	D-C7□/C80 D-C73C D-C80C	6	8.5	17.5	21.5	35.5	—	—	—	—	2
		10	9	16.5	28.5	40.5	—	—	—	—	2.5
	D-H7□/H7C D-H7□W/H7BA D-H7NF	6	8.5	17	29	41	47	71	89	101	3
		10	8	15.5	27.5	39.5	—	—	—	—	1.5
	D-A9□ D-A9□V	6	7.5	16.5	20.5	34.5	—	—	—	—	1
		10	7	14.5	26.5	38.5	—	—	—	—	0.5
	D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	16	6.5	15	27	39	45	69	87	99	1
		10	11	18.5	30.5	42.5	—	—	—	—	4.5
D-A7□/A80	16	10.5	19	31	43	49	73	91	103	5	
	10	9.5	17	29	41	—	—	—	—	3	
D-A7□H/A80H D-A73C/A80C D-F7□/J79 D-F7□W/J79W D-F7□V/F7□WV D-F79F/J79C D-F7BA D-F7BAV	16	9	17.5	29.5	41.5	47.5	71.5	89.5	101.5	3.5	
	10	10	17.5	29.5	41.5	—	—	—	—	3.5	
D-F7NT	16	9.5	18	30	42	48	72	90	102	4	
	10	15	22.5	34.5	46.5	—	—	—	—	8.5	
D-A79W	16	14.5	23	35	47	53	77	95	107	9	
	10	7	14.5	26.5	38.5	—	—	—	—	0.5	
	16	6.5	15	27	39	45	69	87	99	1	

* In the actual setting, adjust them after confirming the auto switch performance.

CJ1
CJP
CJ2-Z
CJ2
CM2-Z
CM2
CM3
CG1-Z
CG1
CG3
MB-Z
MB
MB1
CA2-Z
CA2
CS1
CS2

D-□
-X□
Technical data

Series CJ2

Proper Auto Switch Mounting Position (Detection at stroke end) and Mounting Height Single Acting, Spring Extend Type (T)

Proper auto switch mounting position: Spring extend type (T)

- Standard type (CDJ2□□□-□T)
- Non-rotating rod type (CDJ2K□□□-□T)
- Direct mount type (CDJ2R□□□-□T)
- Non-rotating rod/Direct mount type (CDJ2RK□□□-□T)

(mm)

Auto switch model	Bore size	A	B Dimensions									
			10 to 15 st	16 to 30 st	31 to 45 st	46 to 60 st	61 to 75 st	76 to 100 st	101 to 125 st	126 to 150 st		
Band mounting	D-A9□	6	1.5	8	17	21	35	—	—	—	—	
		10	2	8.5	16	28	40	—	—	—	—	
	D-M9□ D-M9□W	6	5.5	12	21	25	39	—	—	—	—	
		10	6	12.5	20	32	44	—	—	—	—	
	D-C7□/C80 D-C73C D-C80C	6	2	8.5	17.5	21.5	35.5	—	—	—	—	
		10	2.5	9	16.5	28.5	40.5	—	—	—	—	
	D-H7□/H7C D-H7□W/H7BA D-H7NF	6	1	7.5	16.5	20.5	34.5	—	—	—	—	
		10	1.5	8	15.5	27.5	39.5	—	—	—	—	
	Rail mounting	D-A9□ D-A9□V	10	0.5	7	14.5	16.5	38.5	—	—	—	—
			16	1	6.5	15	27	39	45	68	87	99
		D-M9□/M9□V D-M9□W/M9□WV D-M9□A/M9□AV	10	4.5	11	18.5	30.5	42.5	—	—	—	—
			16	5	10.5	19	31	43	49	72	91	103
D-A7□/A80		10	3	9.5	17	29	41	—	—	—	—	
		16	3.5	9	17.5	29.5	41.5	47.5	71.5	87.5	101.5	
D-A7□H/A80H D-A73C/A80C D-F7□/J79 D-F7□W/J79W D-F7□V/F7□WV D-F79F/J79C D-F7BA D-F7BAV		10	3.5	10	17.5	29.5	41.5	—	—	—	—	
		16	4	9.5	18	30	42	48	72	90	102	
D-F7NT		10	8.5	15	22.5	34.5	46.5	—	—	—	—	
		16	9	14.5	23	35	47	53	77	95	107	
D-A79W		10	0.5	7	14.5	26.5	38.5	—	—	—	—	
		16	1	6.5	15	27	39	45	69	87	99	

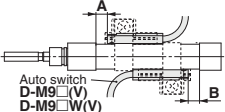
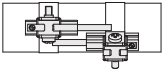
* In the actual setting, adjust them after confirming the auto switch performance.

Minimum Auto Switch Mounting Stroke

		(mm)				
Auto switch mounting	Auto switch model	No. of auto switch mounted				
		1 pc.	2 pcs.		n pcs. (n: No. of auto switch)	
			Different surfaces	Same surface	Different surfaces	Same surface
Band mounting	D-M9□/M9□W D-M9□A D-A9□	10	15 Note 1)	45 Note 1)	$15 + 35 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	45 + 15 (n-2) (n = 2, 3, 4, 5...)
	D-M9□V	5	15 Note 1)	35	$15 + 35 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	35 + 25 (n-2) (n = 2, 3, 4, 5...)
	D-M9□WV D-M9□AV	10	15 Note 1)	35	$15 + 35 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	35 + 25 (n-2) (n = 2, 3, 4, 5...)
	D-A9□V	5	10	35	$10 + 35 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	35 + 25 (n-2) (n = 2, 3, 4, 5...)
	D-C7□ D-C80	10	15	50	$15 + 40 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	50 + 20 (n-2) (n = 2, 3, 4, 5...)
	D-H7□/H7□W D-H7BA D-H7NF	10	15	60	$15 + 45 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	60 + 22.5 (n-2) (n = 2, 3, 4, 5...)
	D-C73C D-C80C D-H7C	10	15	65	$15 + 50 \frac{(n-2)}{2}$ (n = 2, 4, 6... Note 3)	50 + 27.5 (n-2) (n = 2, 3, 4, 5...)
Rail mounting	D-M9□V	5	—	5	—	10 + 10 (n-2) (n = 4, 6... Note 4)
	D-A9□V	5	—	10	—	10 + 15 (n-2) (n = 4, 6... Note 4)
	D-M9□ D-A9□	10(5)	—	10	—	15 + 15 (n-2) (n = 4, 6... Note 4)
	D-M9□WV D-M9□AV	10	—	15	—	15 + 15 (n-2) (n = 4, 6... Note 4)
	D-M9□W	15(10)	—	15	—	20 + 15 (n-2) (n = 4, 6... Note 4)
	D-M9□A	15(10)	—	20(15)	—	20 + 15 (n-2) (n = 4, 6... Note 4)
	D-A7□/A80 D-A7□H/A80H D-A73C/A80C	5	—	10	—	15 + 10 (n-2) (n = 4, 6... Note 4)
	D-A7□H D-A80H	5	—	10	—	15 + 15 (n-2) (n = 4, 6... Note 4)
	D-A79W	10	—	15	—	10 + 15 (n-2) (n = 4, 6... Note 4)
	D-F7□ D-J79	5	—	5	—	15 + 15 (n-2) (n = 4, 6... Note 4)
	D-F7□V D-J79C	5	—	5	—	10 + 10 (n-2) (n = 4, 6... Note 4)
	D-F7□W/J79W D-F7BA/F79F D-F7NT	10	—	15	—	15 + 20 (n-2) (n = 4, 6... Note 4)
	D-F7□WV D-F7BAV	10	—	15	—	10 + 15 (n-2) (n = 4, 6... Note 4)

Note 3) When "n" is an odd number, an even number that is one larger than this odd number is used for the calculation.
 Note 4) When "n" is an odd number, an even number that is one larger than this odd number is used for the calculation.
 However, the minimum even number is 4. So, 4 is used for the calculation when "n" is 1 to 3.

Note 1) Auto switch mounting

Auto switch model	With 2 auto switches	
	Different surfaces Note 1)	Same surface Note 1)
 <p>Auto switch D-M9□(V) D-M9□W(V) D-M9□A(V)</p> <p>The proper auto switch mounting position is 5.5 mm inward from the switch holder edge. The above A and B indicate values for band mounting in the table of page 53.</p>	 <p>The auto switch is mounted by slightly displacing it in a direction (cylinder tube circumferential exterior) so that the auto switch and lead wire do not interfere with each other.</p>	
D-M9□/M9□W/M9□A	Less than 20 stroke Note 2)	Less than 55 stroke Note 2)
D-A90/A93	—	Less than 50 stroke Note 2)

Note 2) Minimum stroke for auto switch mounting in styles other than those in Note 1.

CJ1

CJP

CJ2
-Z

CJ2

CM2
-Z

CM2

CM3

CG1
-Z

CG1

CG3

MB
-Z

MB

MB1

CA2
-Z

CA2

CS1

CS2

D-□

-X□

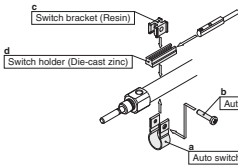
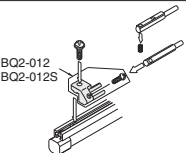
Technical data

Operating range

Auto switch model	Bore size (mm)		
	6	10	16
Band mounting			
D-A9□	4.5	6	7
D-M9□	2	2.5	3
D-M9□W			
D-C7□/C80/C73C/C80C	6	7	7
D-H7□/H7□W	3	4	4
D-H7BA/H7NF			
D-H7C	5	8	9
Rail mounting			
D-A9□/A9□V	—	6	6.5
D-M9□/M9□V	—	3	3.5
D-M9□W/M9□WV			
D-M9□A/M9□AV			
D-A7□/A80/A7H/A80H	—	8	9
D-A73C/A80C			
D-A79W	—	11	13
D-F7□/J79/F7□W/J79W	—		
D-F7□V/F7□WV/F79F	—	5	5
D-J79C/F7BA/F7BAV			
D-F7NT			

* Since this is a guideline including hysteresis, not meant to be guaranteed. (Assuming approximately ±30% dispersion.) There may be the case it will vary substantially depending on an ambient environment.

Auto Switch Mounting Bracket: Part No.

Auto switch mounting	Auto switch model	Bore size (mm)		
		ø6	ø10	ø16
Band mounting	D-M9□/M9□V D-M9□W/M9□WV D-A9□/A9□V	Note 1) BJ6-006	Note 2) BJ6-010	Note 2) BJ6-016
	D-M9□A D-M9□AV	Note 3) BJ6-006S	Note 4) BJ6-010S	Note 4) BJ6-016S
	 <p>① BJ2-□□□: A set of a and b above ② BJ□-1: A set of c and d above BJ4-1 (Switch bracket: White) BJ5-1 (Switch bracket: Transparent)</p>			
	D-C7□/C80 D-C73C/C80C D-H7□/H7□W D-H7BA/H7NF	BJ2-006	BJ2-010	BJ2-016
Rail mounting	D-A9□ D-A9□V D-M9□ D-M9□V D-M9□W D-M9□WV D-M9□A Note 4) D-M9□AV Note 4)	—	Note 3), Note 4) BQ2-012, BQ2-012S	Note 3), Note 4) BQ2-012, BQ2-012S
				

Note 1) Set part number which includes the auto switch mounting band (BJ2-006) and the holder kit (BJ5-2/Switch bracket: Transparent).

Note 2) Set part number which includes the auto switch mounting band (BJ2-□□□) and the holder kit (BJ5-1/Switch bracket: Transparent).

Note 3) Set part number which includes the auto switch mounting band (BJ2-006S) and the holder kit (BJ4-2/Switch bracket: Black).

Note 4) Set part number which includes the auto switch mounting band (BJ2-□□□S) and the holder kit (BJ4-1/Switch bracket: White).

Note 5) When cylinders are shipped, only auto switch mounting brackets are assembled.

Note 6) When a compact auto switch is mounted on a ø10 or ø16 rail, an auto switch bracket is needed, to be ordered separately.

Order example
CDJ2B10-60-A1
D-M9BWV2 pcs.
BQ2-0122 pcs.

Note 7) For D-M9□A(V)L, order BQ2-012S, which uses stainless steel mounting screws.

Note 8) For the D-M9□A (V) type auto switch, do not install the switch bracket on the indicator light.

[Stainless Steel Mounting Screw Kit]

The following set of stainless steel mounting screws is available. Use them in accordance with the operating environment. (Since auto switch brackets are not included, order them separately.)

BBA4: For D-C7/C8/H7 types

Note 9) Refer to page 1656 for the details of BBA4 screws.

The above stainless steel screws are used when a cylinder is shipped with D-H7BA-type auto switches. When only a switch is shipped independently, BBA4 screws are attached.

Reference

Auto switch mounting brackets using stainless steel screws are available for stainless steel cylinder CJ5.

Auto Switch Mounting Brackets for CJ5: Part No.

Bore size(mm)	Auto switch mounting bracket part no.	Note
10	BJ2-010S	Stainless steel mounting screw
16	BJ2-016S	Stainless steel mounting screw

In addition to the auto switches listed above, the following auto switches are also available.

Refer to pages 1559 to 1673 for the detailed specifications.

Auto switch type	Mounting	Part no.	Electrical entry (Entry direction)	Features	Applicable bore size
Solid state	Band mounting	D-H7A1, H7A2, H7B	Grommet (In-line)	—	ø6 to ø16
		D-H7NW, H7PW, H7BW		Diagnostic indication (2-color indication)	
		D-H7BA		Water resistant (2-color indication)	
		D-F79, F7P, J79		—	
		D-F79W, F7PW, J79W		Diagnostic indication (2-color indication)	
	Rail mounting	D-F7BA		Water resistant (2-color indication)	
		D-F7NV, F7PV, F7BV		—	
		D-F7NWV, F7BWV		Diagnostic indication (2-color indication)	
		D-F7BAV		Water resistant (2-color indication)	
		—		—	
Reed	Band mounting	D-C73, C76	Grommet (In-line)	—	ø6 to ø16
		D-C80		Without light	
		D-A73H, A76H		—	
	Rail mounting	D-A80H		Without light	
		D-A73		—	
		D-A80		Without light	
		—		Without light	

* Solid state auto switches are also available with a pre-wired connector. Refer to pages 1626 and 1627 for details.

* Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H types) are also available. Refer to page 1577 for details.



1 Short Pitch Mounting/Single Acting Spring Return

Symbol

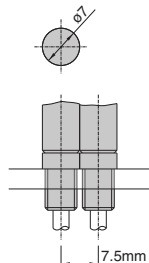
-X773

CJ2B6 — Stroke SU4 — X773

Short pitch mounting

Mounting pitch is shortened when cylinders are used in parallel.

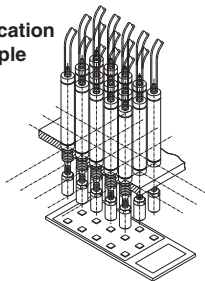
- Changes rod cover and head cover dimensions to $\phi 7$.
- Shortens the full length with a head cover integrated with a barb fitting.



Note) Directly mounted with cylinder mounting screws



Application example

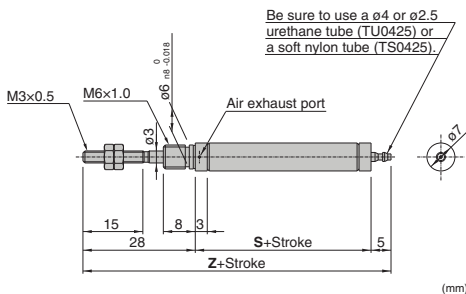


Verification of push button actuation for mobile phones, etc.

Specifications

Bore size (mm)	6
Action	Single acting, Spring return
Operating pressure range	0.2 to 0.7 MPa
Port size	With $\phi 4$ barb fitting (For soft tube)
Connecting port location	Head cover/Axial direction
Stroke (mm)	5 to 60
Auto switch	None

Dimensions



Stroke	5 to 15	16 to 30	31 to 45	46 to 60
S	30.5	39.5	43.5	57.5
Z	63.5	72.5	76.5	90.5

Note

- When mounting a cylinder, make sure that the air exhaust port on the rod cover is not blocked.
- When mounting a cylinder, apply threadlocking adhesive on the threaded part and hold the external diameter of the rod cover with a needle-nose pliers or regular pliers.

CJ1

CJP

CJ2
-Z

CJ2

CM2
-Z

CM2

CM3

CG1
-Z

CG1

CG3

MB
-Z

MB

MB1

CA2
-Z

CA2

CS1

CS2

D-□

-X□

Technical data