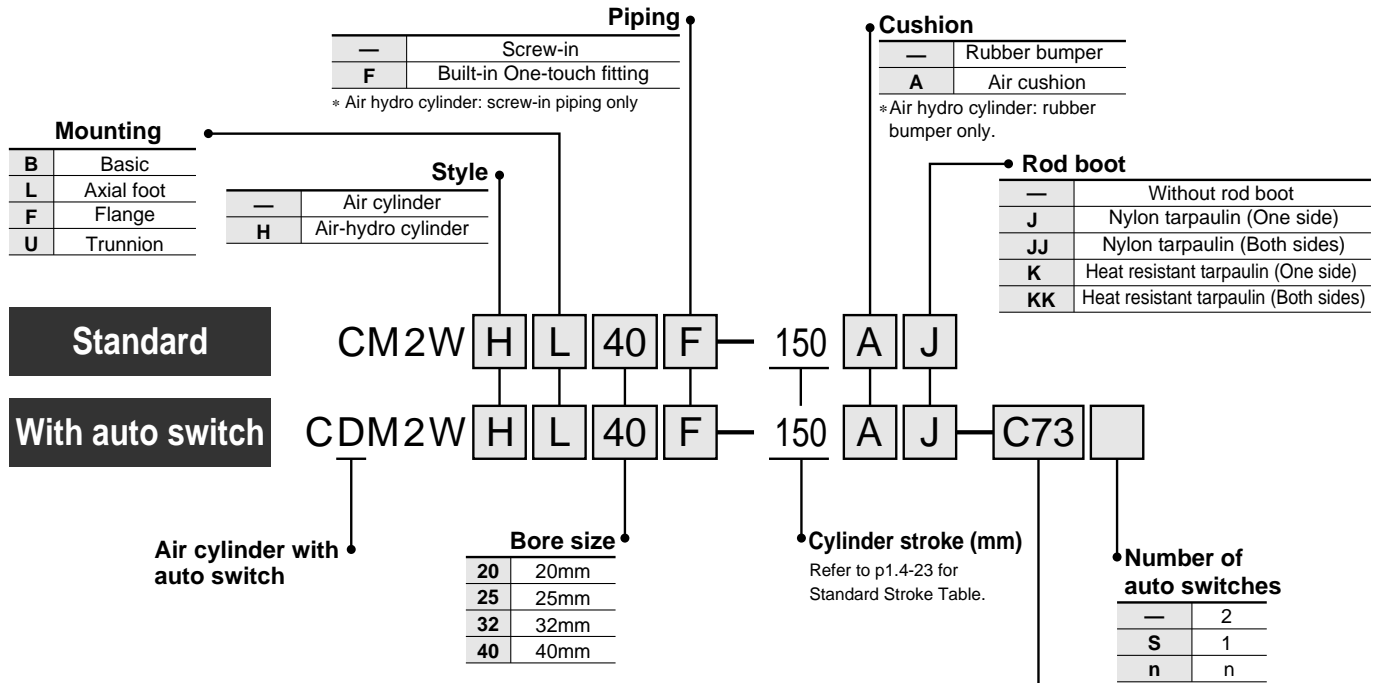


Standard: Double Acting Double Rod

Series CM2W

ø20, ø25, ø32, ø40

How to Order



- CJ1
- CJP
- CJ2
- CM2**
- C85
- CG1
- MB
- C95
- CA1
- CS1

Applicable Auto Switches/Refer to p.5.3-2 for further information on auto switches.

Style	Special function	Electrical entry	Indicator	Wiring (Output)	Load voltage		Auto switch model	Lead wire* (m)			Applicable load				
					DC	AC		0.5 (—)	3 (L)	5 (Z)		None (N)			
Reed switch	—	Grommet	Yes	3 wire (NPN)	24V	5V	—	C76	●	●	—	—	IC		
						12V	100V	C73	●	●	●	—	—	Relay PLC	
						5V, 12V	100V or less	C80	●	●	—	—	—	IC	
						12V	—	B53	●	●	—	—	—	PLC	
						12V	100V, 200V	B54	●	●	●	—	—	—	
						12V	200V or less	B64	●	●	—	—	—	Relay PLC	
						12V	—	C73C	●	●	●	●	—	—	
						5V, 12V	24V or less	C80C	●	●	●	●	—	—	IC
						12V	—	A33A	—	—	—	●	—	—	PLC
						12V	100V, 200V	A34A	—	—	—	—	●	—	—
Solid state switch	—	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	H7A1	●	●	○	—	IC		
						3 wire (PNP)	—	H7A2	●	●	○	—	—		
						2 wire	12V	H7B	●	●	○	—	—		
						2 wire	—	H7C	●	●	●	●	—	—	
						3 wire (NPN)	5V, 12V	G39A	—	—	—	●	—	—	IC
						2 wire	12V	K39A	—	—	—	—	●	—	—
						3 wire (NPN)	5V, 12V	H7NW	●	●	○	—	—	—	Relay PLC
						3 wire (PNP)	—	H7PW	●	●	○	—	—	—	IC
						2 wire	12V	H7BW	●	●	○	—	—	—	—
						2 wire	—	H7BA	—	●	○	—	—	—	—
Diagnostic indicator (2 color)	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	G5NT	—	●	○	—	—	IC		
					3 wire (PNP)	—	H7NF	●	●	○	—	—	—		
					2 wire	12V	H7LF	●	●	○	—	—	—		
					4 wire (NPN)	—	—	—	—	—	—	—	—		
Water resistant (2 color)	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	—	—	—	—	—	—			
					2 wire	—	—	—	—	—	—	—	—		
With timer	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	—	—	—	—	—	—			
					2 wire	—	—	—	—	—	—	—	—		
Diagnostic output (2 color)	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	—	—	—	—	—	—			
					2 wire	—	—	—	—	—	—	—	—		
Latch with diagnostic output (2 color)	Grommet	Yes	4 wire (NPN)	24V	5V, 12V	—	—	—	—	—	—	—			
					2 wire	—	—	—	—	—	—	—	—		

Auto switch

—	Without auto switch
---	---------------------

* Refer to the left table for selecting applicable auto switches.

* Lead wire length
 0.5m : —
 3m : L
 5m : Z
 None : N
 e.g.) C80CZ, C80CN

* Solid state switches marked with "○" are manufactured upon receipt of order.
 * Do not indicate symbol "N" for no lead wire on "D-A3□A", "A44A", "G39A" and "K39A" models.

Series CM2W



Specifications

Bore size (mm)	20	25	32	40
Action	Double acting/Double rod			
Fluid	Air			
Proof pressure	1.5MPa			
Max. operating pressure	1.0MPa			
Min. operating pressure	0.08MPa			
Ambient and fluid temperature	Without auto switch: -10°C to +70°C (No freezing) With auto switch: -10°C to +60°C (No freezing)			
Lubrication	Non-lube			
Thread tolerance	JIS class 2			
Stroke tolerance	+1.4 0			
Piston speed (mm/s)	50 to 750			
Cushion	Rubber bumper			
Allowable kinetic energy	0.27J	0.4J	0.65J	1.2J

Standard Stroke

Bore size (mm)	Standard stroke (mm) (1)	Long stroke (2) (mm)	Max. stroke (mm)
20	25, 50, 75, 100, 125, 150 200, 250, 300	400	500
25		450	
32		450	
40		500	

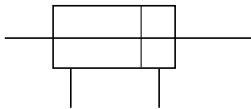


Note 1) Other intermediate strokes can be manufactured upon receipt of order.

Note 2) Long stroke applies to the axial foot style and the front flange style. If other mounting brackets are used or the length exceeds the long stroke limit, the stroke should be selected based on the stroke selection table. (Refer to Data on p.0-21.)

JIS symbol

Double acting/Double rod



Made to Order

Refer to p.5.4-1 for made to order specifications of series CM2W.

Accessories

Refer to p.1.4-19 and 1.4-20

Mounting Bracket Part No.

Bore size mm	20	25	32	40
Axial foot *	CM-L020B	CM-L032B	CM-L040B	
Flange	CM-F020B	CM-F032B	CM-F040B	
Trunnion (with nuts)	CM-T020B	CM-T032B	CM-T040B	

* Two foot brackets and a mounting nut are attached.

Rod boot Materials

Symbol		Material	Max. ambient temperature
One side	Both sides		
J	JJ	Nylon tarpaulin	70°C
K	KK	Heat resistant tarpaulin	110°C *

* Maximum ambient temperature for the rod boot only.

Auto Switch Mounting Bracket Part No.

Auto switch model	Bore size mm			
	20	25	32	40
D-C7/C8 D-H7□	BM2-020	BM2-025	BM2-032	BM2-040
D-B5/B6 D-G5NTL	BA2-020	BA2-025	BA2-032	BA2-040
D-A3□A D-A44A D-G39A D-K39A	BM3-020	BM3-025	BM3-032	BM3-040



Note) A set of following stainless steel mounting screws is attached. (A switch mounting band is not attached. Please order the band separately.)

BBA3: D-B5/B6/G5
BBA4: D-C7/C8/H7

"D-H7BAL" switch is set on the cylinder with the screws above when shipped.

When a switch only is shipped, "BBA4" screws are attached

Standard: Double Acting Double Rod *Series CM2W*

Mounting Accessories

Accessories	Standard		Option		
	Mounting nut	Rod end nut	Single knuckle joint	Double ⁽²⁾ knuckle joint	Rod boot
Basic	● (1pc.)	● (2)	●	●	●
Foot	● (2)	● (2)	●	●	●
Flange	● (1)	● (2)	●	●	●
Trunnion	● (1) ⁽¹⁾	● (2)	●	●	●
Note				With pins	One/Both side



Note 1) Trunnion nuts are attached.

Note 2) Pins and snap rings (cotter pins for bore size 40) are attached for double knuckle joint.

Weight

(kg)

Bore size (mm)		20	25	32	40
Basic weight	Basic	0.16	0.25	0.32	0.65
	Foot	0.31	0.41	0.48	0.92
	Flange	0.22	0.34	0.41	0.77
	Trunnion	0.20	0.32	0.38	0.75
Additional weight by each 50 of stroke		0.06	0.09	0.13	0.19
Accessory	Single knuckle joint	0.06	0.06	0.06	0.23
	Double knuckle joint (With pins)	0.07	0.07	0.07	0.20

Calculation example: CM2WL32-100

●Basic weight.....0.48 (Foot, ø32)

●Additional weight...0.13/50 stroke

●Cylinder stroke.....100 stroke

0.48+0.13 X 100/50=0.74kg

Minimum Strokes for Auto Switch Mounting

(mm)

Auto switch model	Number of switches				1
	2		n		
	On different surfaces	On the same surface	On different surfaces	On the same surface	
D-C7 D-C8	15	50		50+45(n-2)	10
D-H7□ D-H7□W D-H7BAL D-H7NF	15	60	15+45($\frac{n-2}{2}$) (n=2, 4, 6...)	60+45(n-2)	10
D-C73C D-C80C D-H7C	15	65	15+50($\frac{n-2}{2}$) (n=2, 4, 6...)	65+50(n-2)	10
D-H7LF	20	65	20+50($\frac{n-2}{2}$) (n=2, 4, 6...)		10
D-B5 D-B6	15	75	15+50($\frac{n-2}{2}$) (n=2, 4, 6...)	75+55(n-2)	10
D-B59W	20	75	20+50($\frac{n-2}{2}$) (n=2, 4, 6...)		15
D-A3□A D-G39A D-K39A D-A44A	35	100	35+30(n-2)	100+100(n-2)	10



Precautions

Be sure to read before handling. Refer to p.0-39 to 0-43 for Safety Instructions and common precautions.

Handling

Warning

- ① **Do not rotate the cover.**
 - When installing the cylinder or screwing a pipe fitting into the port, the coupling portion of the cover could break if the cover is rotated.

Caution

- ① **Be careful with the snap ring that could fly out.**
 - When replacing the rod seal, be careful with the removal of the snap ring, as the snap ring could fly out.
- ② **Do not touch the cylinder during operation.**
 - If the cylinder is operating at a high frequency, be aware that the cylinder tube surface could become very hot, creating the risk of burns.
- ③ **The One-Touch fitting cannot be replaced.**
 - The One-Touch fitting is pressed into the cover and cannot be replaced.

CJ1

CJP

CJ2

CM2

C85

CG1

MB

C95

CA1

CS1

Series CM2W

Air-hydro

CM2WH **Mounting** **Bore size** **Stroke** **Rod boot**

↓ Air-hydro style

A low hydraulic pressure cylinder used at a pressures of 1.0MPa or below. Through the concurrent use of a CC series air-hydro unit, it is possible to operate at a constant or low speeds or to effect an intermediate stop, just like a hydraulic unit, while using pneumatic equipment such as a valve.



Specifications

Style	Air-hydro style
Fluid	Turbine oil
Action	Double acting/Double rod
Bore size	ø20, ø25, ø32, ø40
Proof pressure	1.5MPa
Max. operating pressure	1.0MPa
Min. operating pressure	0.18MPa
Piston speed	15 to 300mm/s
Ambient and fluid temperature	+5 to +60°C
Thread tolerance	JIS class 2
Stroke tolerance	+1.4 0
Cushion	Rubber bumper (Standard equipment)
Mounting	Basic, Axial foot, Flange, Trunnion

* Auto switch can be mounted.

- Construction: Refer to p.1.4-27.
- Dimensions: Refer to p.1.4-28 to 1.4-31.

Built-in One-touch Fitting

CM2W **Mounting** **Bore size** **F** **Stroke**

↓ Built-in One-touch fitting

A style in which One-touch fittings are built in the cylinder. It dramatically reduces the piping labor and installation space.



- Construction: Refer to p.1.4-27.
- Dimensions: Refer to p.1.4-28 to 1.4-31.
- Refer to p.1.4-23 for other specifications.

With Air Cushion

CM2W **Mounting** **Bore size** **Stroke** **A** **Rod boot**

↓ With air cushion

A cushion mechanism is provided on the cover at both ends to absorb the impact that is created during high speed operations. Thus, it does not transmit vibrations to the surroundings and prolongs the life of the cylinder.



Specifications

Action	Double acting/Double rod
Bore size	ø20, ø25, ø32, ø40
Max. operating pressure	1.0MPa
Min. operating pressure	0.08MPa
Cushion	Air cushion
Piston speed	50 to 1000mm/s
Mounting	Basic, Axial foot, Flange, Trunnion

* Auto switches can be mounted.

Allowable Kinetic Energy

Bore size (mm)	Effective cushion length (mm)	Kinetic energy absorption
20	11.0	0.54J
25	11.0	0.78J
32	11.0	1.27J
40	11.8	2.35J

- Construction: Refer to p.1.4-27.
- Dimensions: Refer to p.1.4-28 to 1.4-31.
- Refer to p.1.4-23 for other specifications.

Specifications

Action	Double acting/Double rod
Bore size	ø20, ø25, ø32, ø40
Max. operating pressure	1.0MPa
Min. operating pressure	0.08MPa
Cushion	Rubber bumper
Piping	Built-in One-touch fitting
Piston speed	50 to 750mm/s
Mounting	Basic, Axial foot, Flange, Trunnion

* Auto switches can be mounted.

Applicable Tube O.D./I.D.

Bore size (mm)	ø20	ø25	ø32	ø40
Applicable tube (mm)	ø6/4	ø6/4	ø6/4	ø8/6
Applicable tube material	Nylon, Soft nylon, Polyurethane			

⚠ Caution

The One-touch fitting cannot be replaced.

- The One-touch fitting is press-fit into the cover and cannot be replaced.

Standard: Double Acting Double Rod *Series CM2W*

Clean Series

10-CM2W **Mounting** **Bore size** **Stroke**

• Clean series

The rod portion of the actuator has a double seal construction, and a relief port is provided to discharge the exhaust air directly outside of the clean room. Thus, it can be used in a Class 100 clean room.

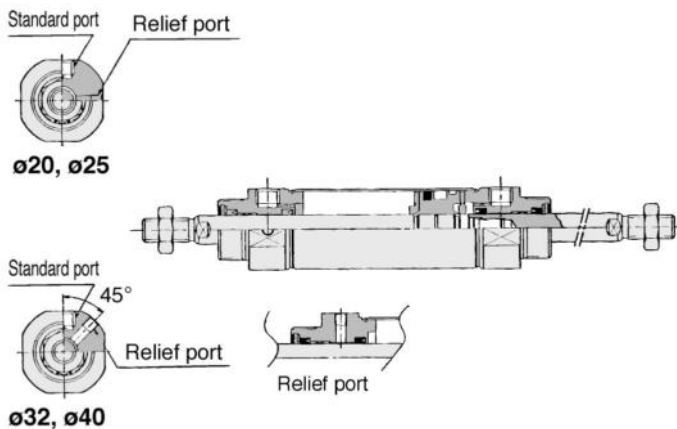


Specifications

Action	Double acting/Double rod
Bore size	ø20, ø25, ø32, ø40
Max. operating pressure	1.0MPa
Min. operating pressure	0.08MPa
Cushion	Rubber bumper
Relief port size	M5 X 0.8
Piston speed	30 to 400mm/s
Mounting	Basic, Axial foot, Flange

* Auto switches can be mounted.

Construction



Copper Free

20-CM2W **Mounting** **Bore size** **Stroke**

• Max. operating pressure

This cylinder eliminates any influences of copper ions or fluororesins on color CRTs. Copper materials have been nickel plated or replaced with non-copper materials to prevent the generation of copper ions.



Specifications

Action	Double acting/Double rod	
Bore size	ø20, ø25, ø32, ø40	
Max. operating pressure	1.0MPa	
Min. operating pressure	0.08MPa	
Cushion	Rubber bumper	Air cushion
Piston speed	50 to 750mm/s	50 to 1000mm/s
Mounting	Basic, Axial foot, Flange, Trunnion	

* Auto switches can be mounted.

CJ1

CJP

CJ2

CM2

C85

CG1

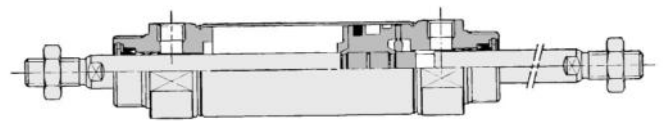
MB

C95

CA1

CS1

Construction

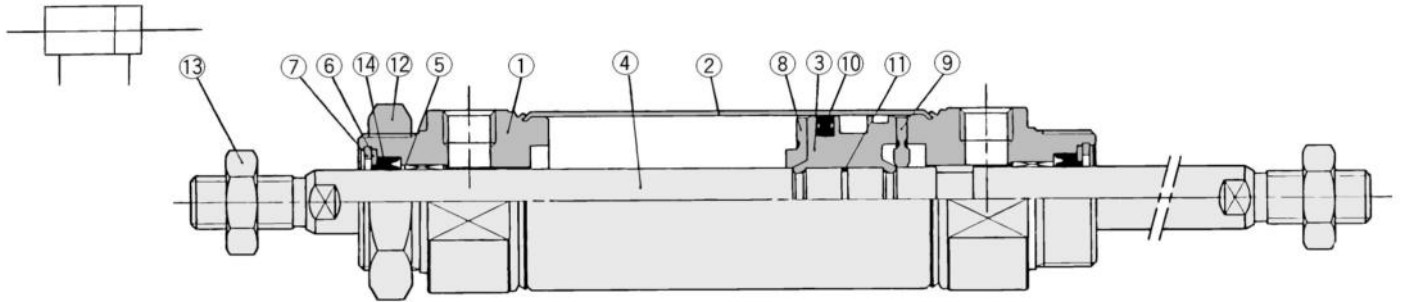


The above shows the case of rubber bumper.

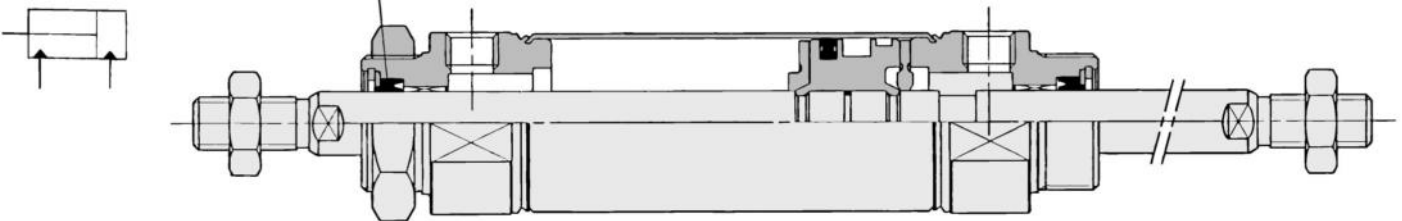
Series CM2W

Construction

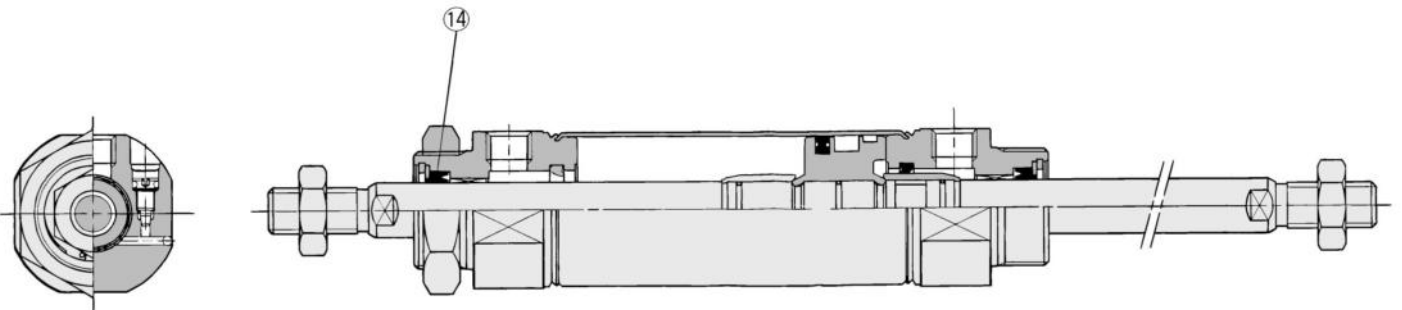
Rubber bumper



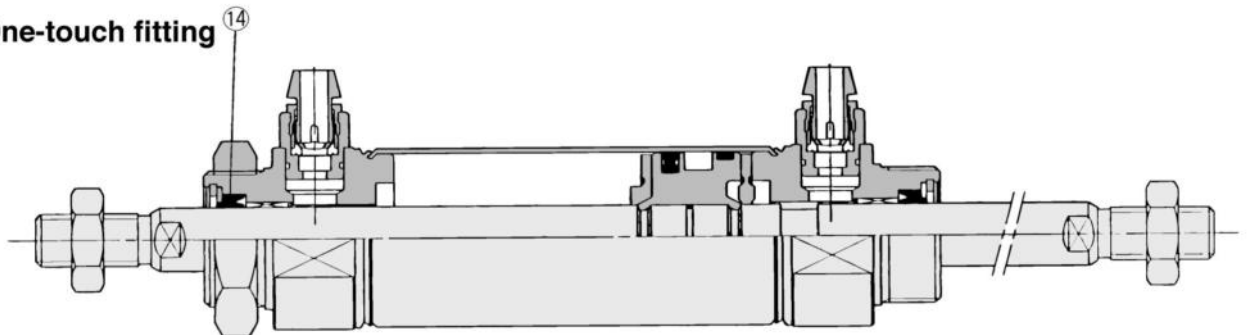
Air-hydro



With air cushion



Built-in One-touch fitting



Component Parts

No.	Description	Material	Note
①	Rod cover	Aluminum alloy	White anodized
②	Cylinder tube	Stainless steel	
③	Piston	Aluminum alloy	Chromated
④	Piston rod	Carbon steel	Hard chrome plated
⑤	Bushing	Oil impregnated sintered alloy	
⑥	Seal retainer	Rolled steel	Nickel plated
⑦	Snap ring	Carbon steel	Nickel plated
⑧	Bumper A	Urethane	
⑨	Bumper B	Urethane	
⑩	Piston seal	NBR	
⑪	Piston gasket	NBR	
⑫	Mounting nut	Carbon steel	Nickel plated
⑬	Rod end nut	Carbon steel	Nickel plated

Replacement Parts


●With rubber bumper/With air cushion/Built-in One-touch fitting

No.	Description	Material	Bore size (mm)/Part No.			
			20	25	32	40
⑭	Rod seal	NBR	PDU-8Z	PDU-10Z	PDU-12LZ	PDU-14LZ

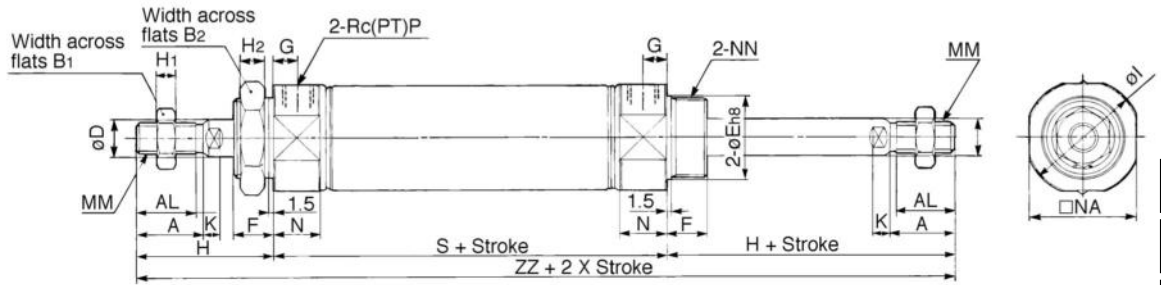
●Air-hydro

No.	Description	Material	Bore size (mm)/Part No.			
			20	25	32	40
⑭	Rod seal	NBR	HDU-8	HDU-10	HDU-12L	HDU-14

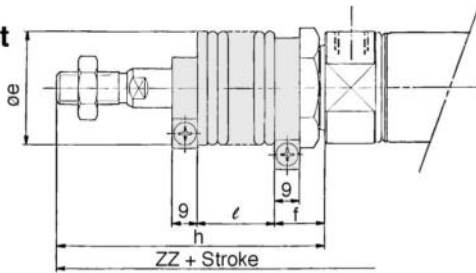
Standard: Double Acting Double Rod *Series CM2W*

Basic (B) 

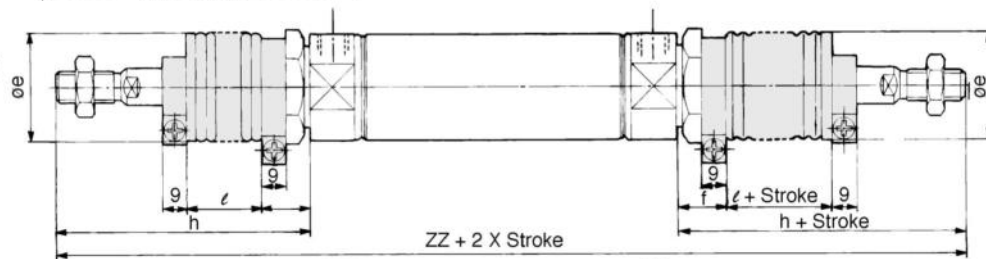
CM2WB Bore size Stroke



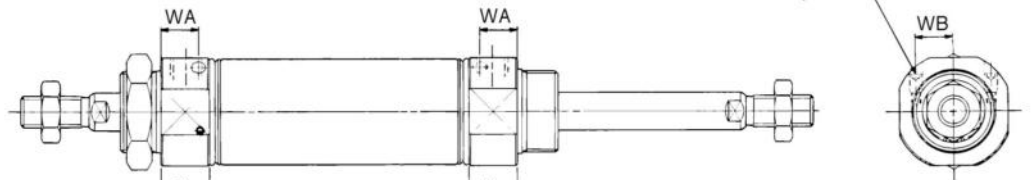
With rod boot (One side)



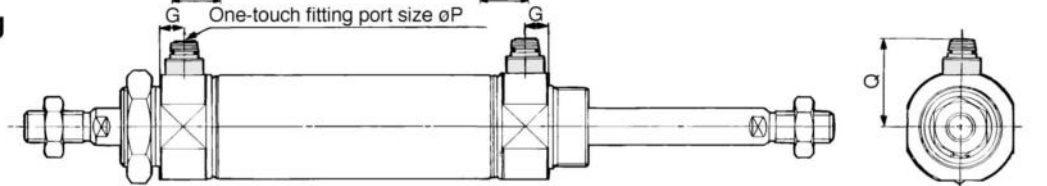
With rod boot (Both sides)



With air cushion



Built-in One-touch fitting



* 301mm or longer stroke range is regarded as long stroke.

Bore	Stroke range	A	AL	B1	B2	D	E	F	G	H	H1	H2	I	K	MM	N	NA	NN	P	S	ZZ
20	1 to 300	18	15.5	13	26	8	20 ⁰ _{-0.033}	13	8	41	5	8	28	5	M8 X 1.25	15	24	M20 X 1.5	1/8	62	144
25	1 to 300	22	19.5	17	32	10	26 ⁰ _{-0.033}	13	8	45	6	8	33.5	5.5	M10 X 1.25	15	30	M26 X 1.5	1/8	62	152
32	1 to 300	22	19.5	17	32	12	26 ⁰ _{-0.033}	13	8	45	6	8	37.5	5.5	M10 X 1.25	15	34.5	M26 X 1.5	1/8	64	154
40	1 to 300	24	21	22	41	14	32 ⁰ _{-0.039}	16	11	50	8	10	46.5	7	M14 X 1.5	21.5	42.5	M32 X 2	1/4	88	188

With rod boot

Bore	e	f	h					ℓ					ZZ (Both sides)				
			1 to 50	51 to 100	101 to 150	151 to 200	201 to 300	1 to 50	51 to 100	101 to 150	151 to 200	201 to 300	1 to 50	51 to 100	101 to 150	151 to 200	201 to 300
20	36	17	68	81	93	106	131	12.5	25	37.5	50	75	198	224	248	274	324
25	36	17	72	85	97	110	135	12.5	25	37.5	50	75	206	232	256	282	332
32	36	17	72	85	97	110	135	12.5	25	37.5	50	75	208	234	258	284	334
40	46	19	77	90	102	115	140	12.5	25	37.5	50	75	242	268	292	318	368

Bore	ZZ (One side)				
	1 to 50	51 to 100	101 to 150	151 to 200	201 to 300
20	171	184	196	209	234
25	179	192	204	217	242
32	181	194	206	219	244
40	215	228	240	253	278

With air cushion

Bore	N1	WA	WB
20	17.5	13	8.5
25	17.5	13	10.5
32	17.5	13	11.5
40	21.5	16	15

Built-in One-touch fitting

Bore	G	P	Q
20	8	6	23
25	8	6	26
32	8	6	28.5
40	11	8	32.5



Basic
 CM2WB20.....SCM220B, #13
 CM2WB25.....SCM225B, #13
 CM2WB32.....SCM232B, #13
 CM2WB40.....SCM240B, #13

Built-in One-touch fitting
 SCM220B, #13, SCM220A, #19
 SCM225B, #13, SCM225A, #19
 SCM232B, #13, SCM232A, #19
 SCM240B, #13, SCM240A, #19

CJ1

CJP

CJ2

CM2

C85

CG1

MB

C95

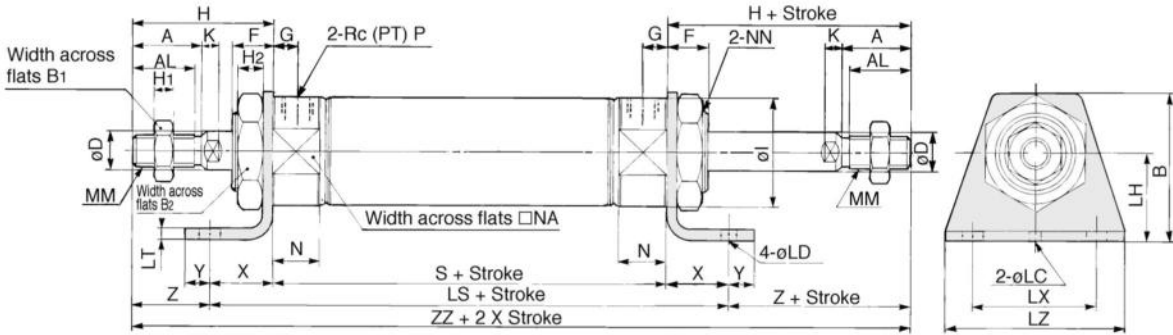
CA1

CS1

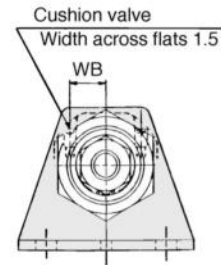
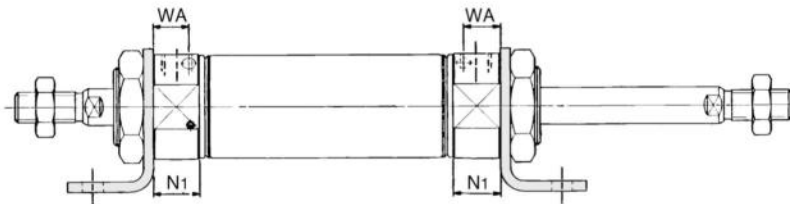
Series CM2W

Axial Foot (L)

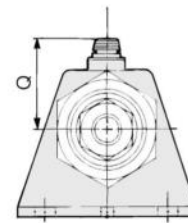
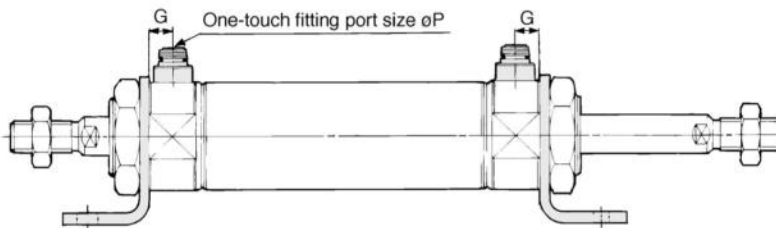
CM2WL



With air cushion



Built-in One-touch fitting



Bore	Stroke range	A	AL	B	B1	B2	D	F	G	H	H1	H2	I	K	LC	LD	LH	LS	LT	LX	LZ	MM	N	NA	NN	P	S	X	Y	Z	ZZ
20	1 to 400	18	15.5	40	13	26	8	13	8	41	5	8	28	5	4	6.8	25	102	3.2	40	55	M8 X 1.25	15	24	M20 X 1.5	1/8	62	20	8	21	144
25	1 to 450	22	19.5	47	17	32	10	13	8	45	6	8	33.5	5.5	4	6.8	28	102	3.2	40	55	M10 X 1.25	15	30	M26 X 1.5	1/8	62	20	8	25	152
32	1 to 450	22	19.5	47	17	32	12	13	8	45	6	8	37.5	5.5	4	6.8	28	104	3.2	40	55	M10 X 1.25	15	34.5	M26 X 1.5	1/8	64	20	8	25	154
40	1 to 500	24	21	54	22	41	14	16	11	50	8	10	46.5	7	4	7	30	134	3.2	55	75	M14 X 1.5	21.5	42.5	M32 X 2	1/4	88	23	10	27	188

With air cushion

Bore	N1	WA	WB
20	17.5	13	8.5
25	17.5	13	10.5
32	17.5	13	11.5
40	21.5	16	15

Built-in One-touch fitting

Bore	G	P	Q
20	8	6	23
25	8	6	26
32	8	6	28.5
40	11	8	32.5



* In case of a gaiter, refer to p.1.4-28 (basic) and p.1.4-11.

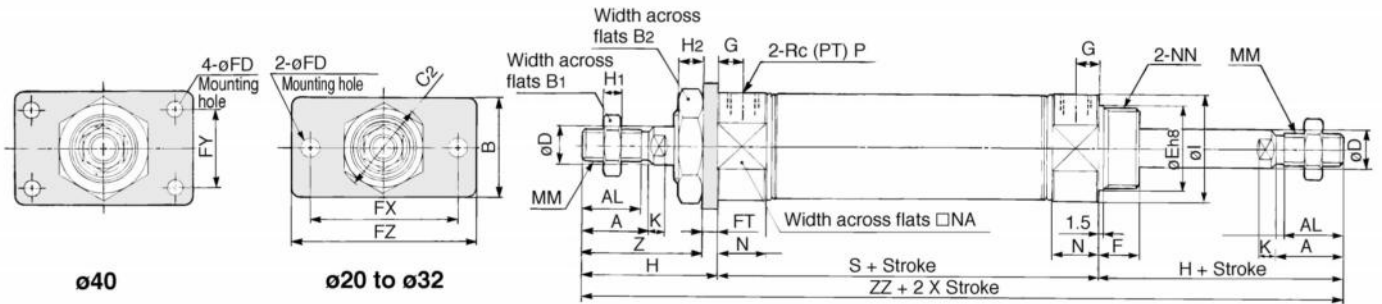


Basic	Foot	Built-in One-touch fitting
CM2WL20.....SCM220B, #13	SCM220B, #13, #3	SCM220B, #13, #3, #19
CM2WL25.....SCM225B, #13	SCM225B, #13, #3	SCM225B, #13, #3, #19
CM2WL32.....SCM232B, #13	SCM232B, #13, #3	SCM232B, #13, #3, #19
CM2WL40.....SCM240B, #13	SCM240B, #13, #3	SCM240B, #13, #3, #19

Standard: Double Acting Double Rod *Series CM2W*

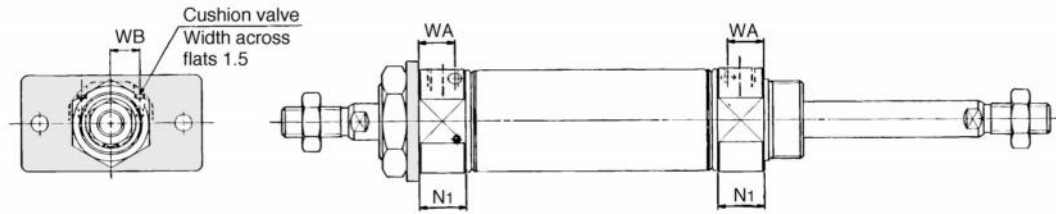


CM2WF Bore size Stroke

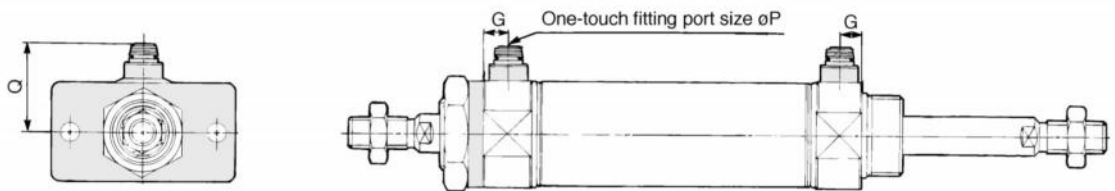


- CJ1
- CJP
- CJ2
- CM2**
- C85
- CG1
- MB
- C95
- CA1
- CS1

With air cushion



Built-in One-touch fitting



Bore	Stroke range	A	AL	B	B1	B2	C2	D	E	F	FD	FT	FX	FY	FZ	G	H	H1	H2	I	K	MM
20	1 to 300	18	15.5	34	13	26	30	8	20 ⁰ _{-0.033}	13	7	4	60	—	75	8	41	5	8	28	5	M8 X 1.25
25	1 to 300	22	19.5	40	17	32	37	10	26 ⁰ _{-0.033}	13	7	4	60	—	75	8	45	6	8	33.5	5.5	M10 X 1.25
32	1 to 300	22	19.5	40	17	32	37	12	26 ⁰ _{-0.033}	13	7	4	60	—	75	8	45	6	8	37.5	5.5	M10 X 1.25
40	1 to 300	24	21	52	22	41	47.3	14	32 ⁰ _{-0.039}	16	7	5	66	36	82	11	50	8	10	46.5	7	M14 X 1.5

Bore	N	NA	NN	P	S	Z	ZZ
20	15	24	M20 X 1.5	1/8	62	37	144
25	15	30	M26 X 1.5	1/8	62	41	152
32	15	34.5	M26 X 1.5	1/8	64	41	154
40	21.5	42.5	M32 X 2	1/4	88	45	188

Bore	N1	WA	WB
20	17.5	13	8.5
25	17.5	13	10.5
32	17.5	13	11.5
40	21.5	16	15

Bore	G	P	Q
20	8	6	23
25	8	6	26
32	8	6	28.5
40	11	8	32.5



* In case of a gaiter, refer to p.1.4-28 (basic) and p.1.4-13.

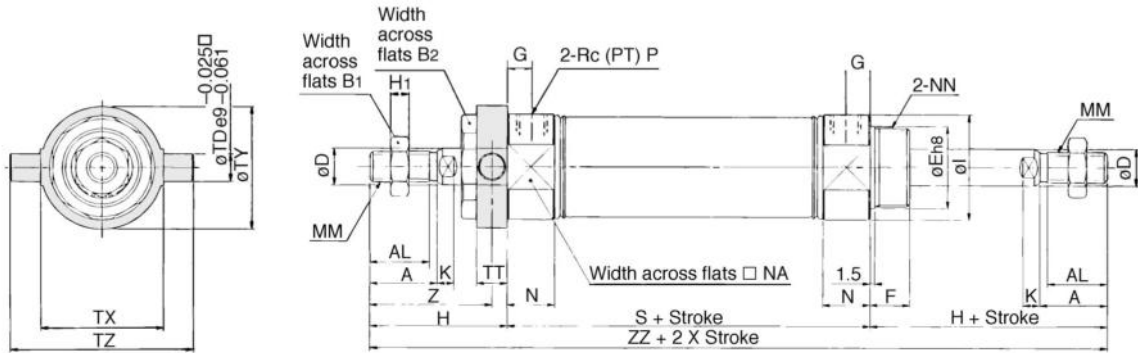
Basic	Flange	Built-in One-touch fitting
CM2WF20.....SCM220B, #13	SCM220B, #13, #4	SCM220B, #13, #4, #19
CM2WF25.....SCM225B, #13	SCM225B, #13, #4	SCM225B, #13, #4, #19
CM2WF32.....SCM232B, #13	SCM232B, #13, #4	SCM232B, #13, #4, #19
CM2WF40.....SCM240B, #13	SCM240B, #13, #4	SCM240B, #13, #4, #19

Series CM2W

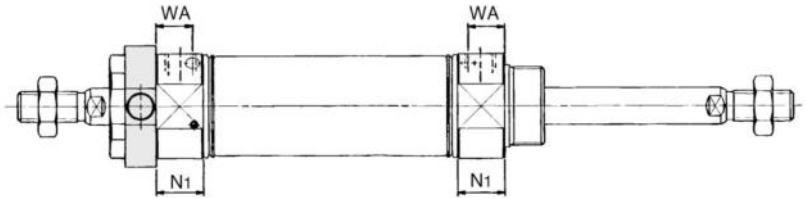
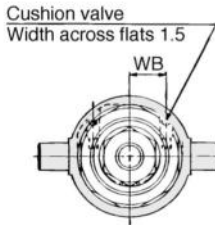
Trunnion (U)



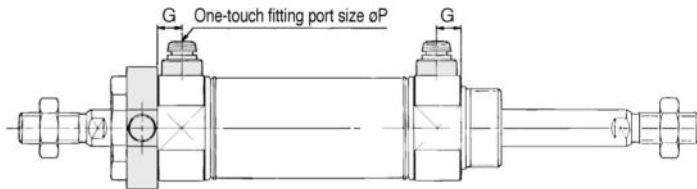
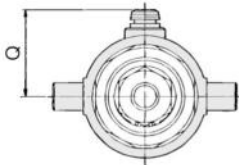
CM2WU



With air cushion



Built-in One-touch fitting



Bore	Stroke range	A	AL	B1	B2	D	E	F	G	H	H1	I	K	MM	N	NA	NN	P	S
20	1 to 300	18	15.5	13	26	8	20 ⁰ _{-0.033}	13	8	41	5	28	5	M8 X 1.25	15	24	M20 X 1.5	1/8	62
25	1 to 300	22	19.5	17	32	10	26 ⁰ _{-0.033}	13	8	45	6	33.5	5.5	M10 X 1.25	15	30	M26 X 1.5	1/8	62
32	1 to 300	22	19.5	17	32	12	26 ⁰ _{-0.033}	13	8	45	6	37.5	5.5	M10 X 1.25	15	34.5	M26 X 1.5	1/8	64
40	1 to 300	24	21	22	41	14	32 ⁰ _{-0.039}	16	11	50	8	46.5	7	M14 X 1.5	21.5	42.5	M32 X 2	1/4	88

Bore	TD	TT	TX	TY	TZ	Z	ZZ
20	8	10	32	32	52	36	144
25	9	10	40	40	60	40	152
32	9	10	40	40	60	40	154
40	10	11	53	53	77	44.5	188

With air cushion

Bore	N1	WA	WB
20	17.5	13	8.5
25	17.5	13	10.5
32	17.5	13	11.5
40	21.5	16	15

Built-in One-touch fitting

Bore	G	P	Q
20	8	6	23
25	8	6	26
32	8	6	28.5
40	11	8	32.5



* In case of a gaiter, refer to p.1.4-28 (basic) and p.1.4-16.



Basic Trunnion
 CM2WU20.....SCM220B, #13 SCM220B, #13, #8
 CM2WU25.....SCM225B, #13 SCM225B, #13, #8
 CM2WU32.....SCM232B, #13 SCM232B, #13, #8
 CM2WU40.....SCM240B, #13 SCM240B, #13, #8

Built-in One-touch fitting
 SCM220B, #13, #8, #19
 SCM225B, #13, #8, #19
 SCM232B, #13, #8, #19
 SCM240B, #13, #8, #19

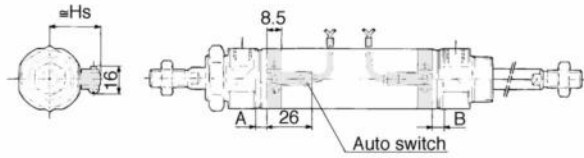
Standard: Double Acting Double Rod *Series CM2W*

Auto Switch Mounting Position and Mounting Height

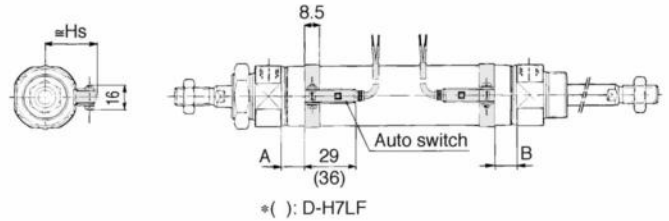
Reed Switch

Solid State Switch

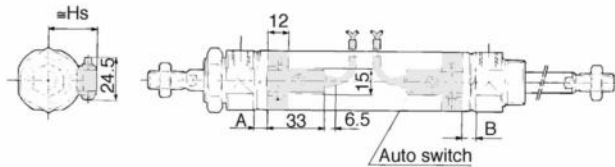
D-C7/C8



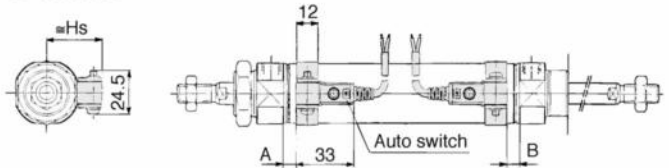
D-H7□/H7□W/H7□F/H7BAL



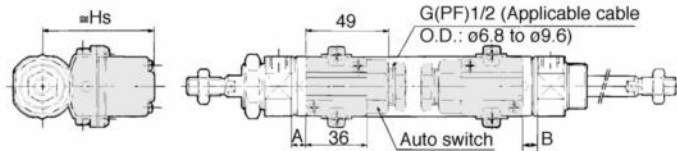
D-B5/B6/B59W



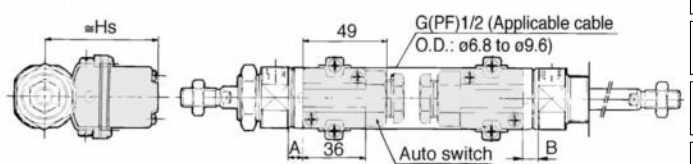
D-G5NTL



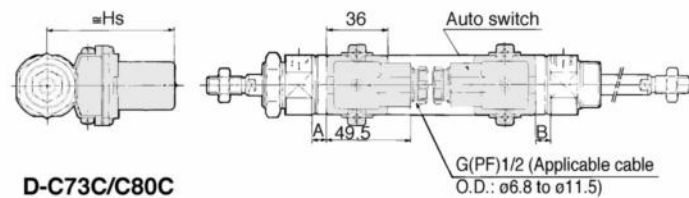
D-A33A/A34A



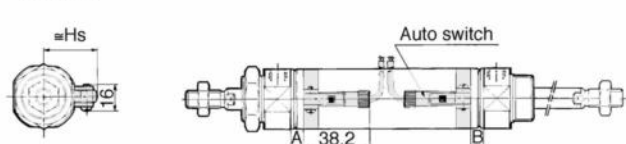
D-G39A/K39A



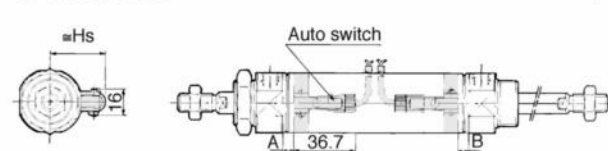
D-A44A



D-H7C



D-C73C/C80C



Auto Switch Mounting Position

(mm)

Auto switch model	D-B5 D-B6		D-C7 D-C8 D-C73C D-C80C		D-B59W		D-A3□A D-G39A D-K39A D-A44A		D-H7□ D-H7C		D-H7□W D-H7BAL D-H7□F		D-G5NTL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
ø20	1(0)	0(0)	7(5)	6(4)	4(2)	3(1)	0.5(0)	0(0)	6(4)	5(3)	4.5(2.5)	3.5(1.5)	2.5(0.5)	1.5(0)
ø25	1(0)	0(0)	7(5)	6(4)	4(2)	3(1)	0.5(0)	0(0)	6(4)	5(3)	4.5(2.5)	3.5(1.5)	2.5(0.5)	1.5(0)
ø32	2(0)	1(0)	8(6)	7(5)	5(3)	4(2)	1.5(0)	0.5(0)	7(5)	6(4)	5.5(3.5)	4.5(2.5)	3.5(1.5)	2.5(0.5)
ø40	7	6	13	12	10	9	6.5	5.5	12	11	10.5	9.5	8.5	7.5

*() : With air cushion

Mounting Height

(mm)

D-B5 D-B6 D-B59W D-G5NTL D-H7C		D-C7 D-C8 D-H7 D-H7□W D-H7BAL D-H7□F		D-C73C D-C80C		D-A3□A D-G39A D-K39A		D-A44A	
Hs		Hs		Hs		Hs		Hs	
25.5		22.5		25		60		69.5	
28		25		27.5		62.5		72	
31.5		28.5		31		66		75.5	
35.5		32.5		35		70		79.5	