

LCG Series

● Bore size: $\phi 6/\phi 8/\phi 12/\phi 16/\phi 20/\phi 25$

JIS symbol 



Structure and material restriction

	Structure	Model No.
P7 Series	Exhaust treatment	P72
	Vacuum treatment	P73

Specifications

Descriptions		LCG-P7*					
		$\phi 6$	$\phi 8$	$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$
Bore size	mm	$\phi 6$	$\phi 8$	$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$
Actuation		Double acting					
Working fluid		Compressed air					
Max. working pressure	MPa	0.7					
Min. working pressure	MPa	0.15 (*2)					
Proof pressure	MPa	1.05					
Ambient temperature	°C	-10 to 60 (no freezing)					
Port size	Main body side	M3	M5			Rc1/8	
	Main body rear	M3			M5	Rc1/8	
Port size (relief port)		M3	M5			Rc1/8	
Stroke tolerance	mm	+2.0 (*1) 0					
Working piston speed	mm/s	50 to 500 (*3)					
Cushion		With rubber cushion					
Lubrication		Not available					
Allowable energy absorption	J	Refer to table 3 on page 162.					

*1: Note that there will be a slight gap between the end plate and floating bush if no stopper is attached.

*2: The stroke adjusting stopper for 0.3 MPa and over working pressure is the metal sealing.

*3: Keep within 50 to 200 mm/s when using a stroke adjusting stopper.

Stroke length

Bore size (mm)	Standard stroke length (mm)
$\phi 6$	10, 20, 30, 40, 50
$\phi 8$	10, 20, 30, 40, 50, 75
$\phi 12$	10, 20, 30, 40, 50, 75, 100
$\phi 16$	10, 20, 30, 40, 50, 75, 100, 125
$\phi 20$	10, 20, 30, 40, 50, 75, 100, 125, 150
$\phi 25$	10, 20, 30, 40, 50, 75, 100, 125, 150

Note: The stroke length other than above is not available.

Theoretical thrust table

Refer to page 163.

Switch specifications

- 1-color/2-color display

Descriptions	Reed 2-wire				Proximity 2-wire		Proximity 3-wire		
	T0H/T0V		T5H/T5V		T2H/T2V	T2WH/T2WV	T3H/T3V	T3PH/T3PV	T3WH/T3WV
Applications	Programmable controller, relay		Programmable controller, relay IC circuit (without indicator lamp), serial connection		Programmable controller		Programmable controller, relay		
Output method	-		-		-		NPN output	PNP output	NPN output
Power supply voltage	-		-		-		10 to 28 VDC		
Load voltage	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC	10 to 30 VDC	24 VDC ±10%	30 VDC or less		
Load current	5 to 50 mA	7 to 20 mA	50 mA or less	20 mA or less	5 to 20 mA (*2)		100 mA or less	50 mA or less	
Indicator lamp	LED (Lit when ON)		Without indicator lamp		LED (Lit when ON)	Red/green LED (Lit when ON)	LED (Lit when ON)	Yellow LED (Lit when ON)	Red/green LED (Lit when ON)
Leakage current	0 mA				1 mA or less		10 µA or less		
Weight	g		1 m: 18 3 m: 49 5 m: 80						

Descriptions	Proximity 2-wire	Proximity 3-wire	Proximity 2-wire		Proximity 3-wire		
	F2S	F3S	F2H/F2V	F2YH/F2YV	F3H/F3V	F3PH/F3PV (custom order)	F3YH/F3YV
Applications	Programmable controller	Programmable controller, relay	Programmable controller		Programmable controller, relay		
Output method	-	NPN output	-		NPN output	PNP output	NPN output
Power supply voltage	-	10 to 28 VDC	-		10 to 28 VDC	4.5 to 28 VDC	10 to 28 VDC
Load voltage	10 to 30 VDC	30 VDC or less	10 to 30 VDC	24 VDC ±10%	30 VDC or less		
Load current	5 to 20 mA	50 mA or less	5 to 20 mA (*2)		100 mA or less	50 mA or less	
Indicator lamp	Red LED (Lit when ON)		LED (Lit when ON)	Red/green LED (Lit when ON)	LED (Lit when ON)	Yellow LED (Lit when ON)	Red/green LED (Lit when ON)
Leakage current	1 mA or less	10 µA or less	1 mA or less		10 µA or less		
Weight	g		1 m: 10 3 m: 29				

*1: Refer to page 309 for detailed switch specifications and Dimensions.

*2: Max. load current: 20mA at 25°C. The current is lower than 25 mA if the operating ambient temperature around the switch is higher than 20°C. (60 to 5 mA at 10°C.)

*3: The F type switch uses a bend-resistant lead wire.

Cylinder weight

- Clean room specifications

(Unit: g)

Bore size (mm)	Basic Stroke length (mm)								
	10	20	30	40	50	75	100	125	150
ø6	170	170	190	250	270	-	-	-	-
ø8	270	270	300	380	410	500	-	-	-
ø12	550	550	550	600	650	840	980	-	-
ø16	890	880	870	950	1,030	1,380	1,570	1,770	-
ø20	1,470	1,460	1,450	1,570	1,690	2,130	2,420	2,710	3,000
ø25	2,410	2,390	2,370	2,550	2,730	3,530	3,950	4,370	4,790

- Weight of variation/option (stopper)

(Unit: g)

Bore size (mm)	Option/stopper code	
	S1 to S4	S5/S6
ø6	30	40
ø8	40	60
ø12	70	100
ø16	110	150
ø20	170	250
ø25	290	380

LCG Series

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder switch
- MN3E
MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R (module unit)
- Clean F.R
- Precision R
- Press gauge
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

How to order (ø6 to ø16)

Without switch (Magnet for switch incorporated)



With switch (Magnet for switch incorporated)



Model No.

A Bore size

B Stroke length

C Switch model No.
*6

F Clean room specifications

D Switch quantity

E Option

⚠ Precautions for model No. selection

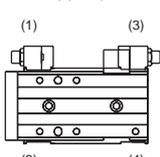
- *1: For the port position, refer to the stopper dimensions on page 161.
- *2: The port positions of the standard without stopper are (1) and (3) in the figure below.
- *3: Can be selected for the type with stopper only.
- *4: When two switches are necessary in the type with S*** of ø6 to ø8 with 30 mm stroke length or less, select the F*H switch.
- *5: The anti-rust is custom order.
- *6: The stroke adjusting stopper for 0.3 MPa and over working pressure is the metal sealing.
- *7: When changing the stopper position from the head side to the rod side, another discrete stopper may be required to be purchased depending on the stroke length or the stroke adjustment amount. For details, please consult our sales staff. For some stroke lengths, the adjustment amount of 15 mm or 25 mm is not allowed.

[Example of model No.]

LCG-12-40-F2H-R-S1DTP72

Model: Linear slide cylinder Double acting/single rod (clean room specifications) LCG-P7*

- A Bore size : ø12
- B Stroke length : 40 mm
- C Switch model No. : Proximity/2 wires/Lead wire 1 m
Lead wire straight ● Stopper position
- D Switch quantity : 1 (on rod end)
- E Other options : Stroke adjusting stopper
Stopper position (1)
With side and bottom ports
Material, steel (nitriding)
- F Clean room specifications: Exhaust treatment



Code	Content
A Bore size	
6	ø6
8	ø8
12	ø12
16	ø16

		Bore size (ø)			
		6	8	12	16
10	10	●	●	●	●
20	20	●	●	●	●
30	30	●	●	●	●
40	40	●	●	●	●
50	50	●	●	●	●
75	75		●	●	●
100	100			●	●
125	125				●
150	150				

C Switch model No.		Voltage	Display	Lead wire	Bore size			
Lead wire straight	Lead wire L-shaped				AC	DC	ø6	ø8
F2S*		●	1-color display	2 wires				
F3S*		●		3 wires				
F2H* F2V*	F3H* F3V*	●		2 wires				
F3PH* F3PV*		●	1-color display (custom order)	3 wires	●	●	●	
F2YH* F2YV*	F3YH* F3YV*	●		2-color display	2 wires			
T0H* T0V*	T5H* T5V*	●	1-color display Without indicator lamp	2 wires				
T2H* T2V*	T3H* T3V*	●		1-color display	2 wires			
T3PH* T3PV*		●	1-color display (PNP output)	3 wires			●	
T2WH* T2WV*	T3WH* T3WV*	●		2-color display	2 wires			
		●		3 wires				

Lead wire length		Bore size			
Blank	1 m (standard)				
3	3 m (option)				●
5	5 m (option)				●

D Switch quantity		Bore size			
R	1 (on rod end)				●
H	1 (on head end)				●
D	2				●

E Option		Bore size			
Blank	No option				●

S Stroke adjusting stopper		Bore size			
5 mm stroke adjustment on one side		*4			
S1**	Stopper position (1) (can be changed to (4))	Stopper mounting position			●
S2**	Stopper position (2) (can be changed to (3))				●
S3**	Stopper position (3) (can be changed to (2))				●
S4**	Stopper position (4) (can be changed to (1))				●
S5**	Stopper position (1), (3)				●
S6**	Stopper position (2), (4)				●

** Part		Bore size			
Blank	Port on the stopper: No port				●
D	Port on the stopper: Side and bottom ports				● *1, *3
Blank	Stopper block material: Steel				●
T	Stopper block material: Steel (nitriding)				● *3

Plug attached		Bore size			
Blank	None				
N	With side piping port plug (not available for ø6)				

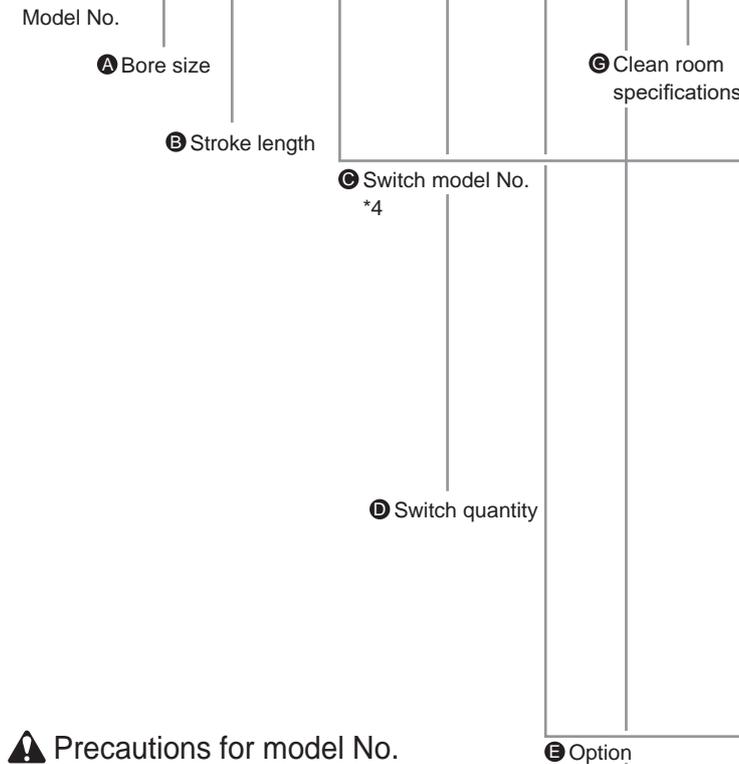
F Clean room specifications		Structure			
P72	Exhaust treatment				
P73	Vacuum treatment				

How to order (ø20 and ø25)

Without switch (Magnet for switch incorporated)



With switch (Magnet for switch incorporated)



⚠ Precautions for model No. selection

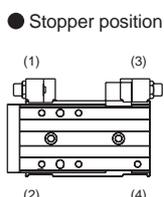
- *1: For the port position, refer to the stopper dimensions on page 161.
- *2: The port positions of the standard without stopper are (1) and (3).
- *3: Can be selected for the type with stopper only.
- *4: The table is alloy steel.
To prevent rust, select "U" for an environment where the temperature and humidity is high or condensation may occur on the product surface.
- *5: The stroke adjusting stopper for 0.3 MPa and over working pressure is the metal sealing.
- *6: When changing the stopper position from the head side to the rod side, another discrete stopper may be required to be purchased depending on the stroke length or the stroke adjustment amount.
For details, please consult our sales staff.
For some stroke lengths, the adjustment amount of 15 mm or 25 mm is not allowed.

[Example of model No.]

LCG-20-40-T2H-R-S1DTP72

Model No.: Linear slide cylinder Double acting/single rod (clean room specifications) LCG-P7*

- A** Bore size : ø20
- B** Stroke length : 40 mm
- C** Switch model No. : Proximity/2 wires/Lead wire 1 m
Lead wire straight
- D** Switch quantity : 1 (on rod end)
- E** Other options : Stroke adjusting stopper
Stopper position (1)
With side and bottom ports
Material, steel (nitriding)
- G** Clean room specifications : Exhaust treatment



Code	Content
A Bore size	
20	ø20
25	ø25
B Stroke length (mm)	
10	10
20	20
30	30
40	40
50	50
75	75
100	100
125	125
150	150

C Switch model No.						
Lead wire straight	Lead wire L-shaped	Contact	Voltage		Display	Lead wire
			AC	DC		
T0H*	T0V*	Reed	●	●	1-color display Without indicator lamp	2 wires
T5H*	T5V*		●	●		
T2H*	T2V*	Proximity		●	1-color display 1-color display (PNP output) (custom order)	2 wires
T3H*	T3V*			●		3 wires
T3PH*	T3PV*			●		3 wires
T2WH*	T2WV*			●	2-color display	2 wires
T3WH*	T3WV*			●		3 wires

Lead wire length	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

D Switch quantity	
R	1 (on rod end)
H	1 (on head end)
D	2

E Option	
Blank	No option

S Stroke adjusting stopper		
5 mm stroke adjustment on one side		
S1**	Stopper position (1) (can be changed to (4))	Stopper mounting position
S2**	Stopper position (2) (can be changed to (3))	
S3**	Stopper position (3) (can be changed to (2))	
S4**	Stopper position (4) (can be changed to (1))	
S5**	Stopper position (1), (3)	
S6**	Stopper position (2), (4)	

** Part	
Blank	Port on the stopper: No port
D	Port on the stopper: Side and bottom ports *1, *3
Blank	Stopper block material: Steel
T	Stopper block material: Steel (nitriding) *3

F Anti-rust treatment	
Blank	None
U	Anti-rust treatment (guide only) *4

Plug attached	
Blank	None
N	With side piping port plug

G Clean room specifications	
Structure	
P72	Exhaust treatment
P73	Vacuum treatment

U: Anti-rust treatment (ø20, ø25)



The table and rail surface rustproofing reduces rust in high-humidity environments and near ionizers.

The table and rail are black.

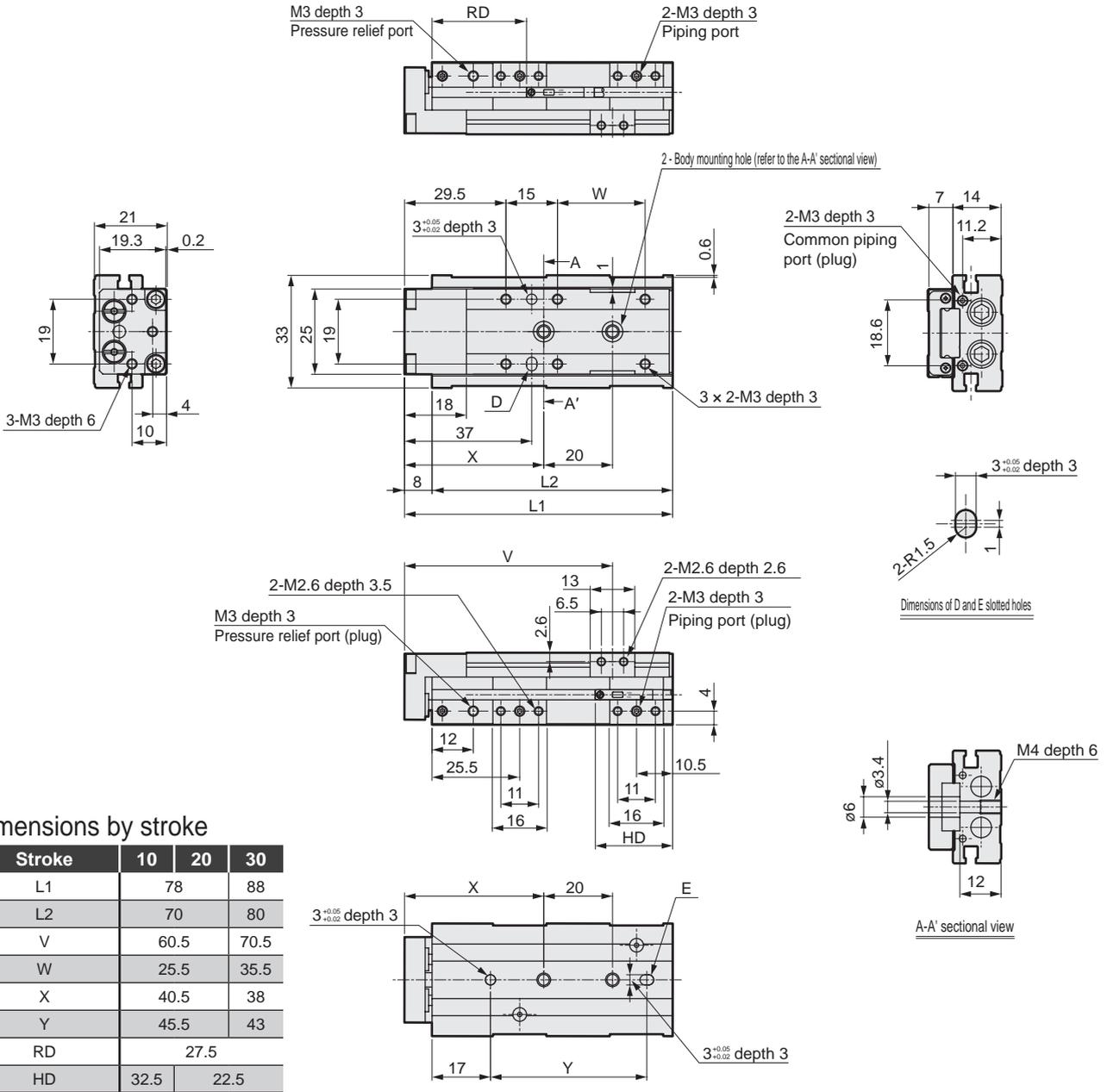
- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder Switch
- MN3E
- MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R. (module unit)
- Clean F.R
- Precision R
- Press gauge
- Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending



Dimensions (bore size: $\phi 6$)

● LCG-6-P7*

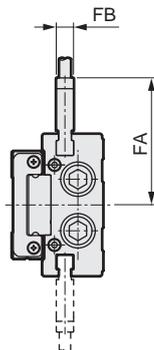
Stroke length: 10, 20, 30
(Mounting holes in the figure indicate when stroke length is 20)



Dimensions by stroke

Stroke	10	20	30
L1	78	88	
L2	70	80	
V	60.5	70.5	
W	25.5	35.5	
X	40.5	38	
Y	45.5	43	
RD	27.5		
HD	32.5	22.5	

● Dimensions of projecting section when F2S or F3S cylinder switch is mounted



Stroke length	10	20	30
FA	29.6		
FB	4		
RD	26.5		
HD	33.5	23.5	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

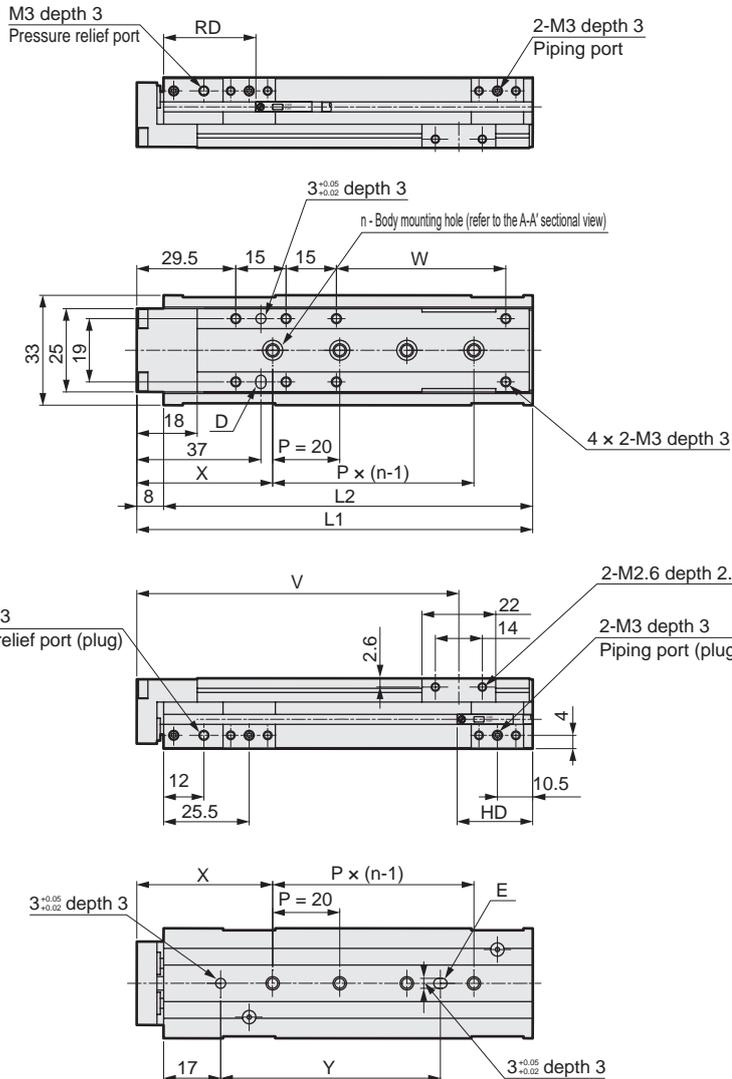
Dimensions (bore size: $\phi 6$)



● LCG-6-P7*

Stroke length: 40, 50

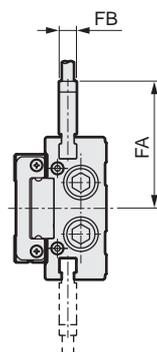
(Mounting holes in the figure indicate when stroke length is 50)



Dimensions by stroke length

Stroke length	40	50
L1	108	118
L2	100	110
n	3	4
V	86	96
W	40.5	50.5
X	39	40.5
Y	44	65.5
RD	37.5	
HD	22.5	

● Dimensions of projecting section when F2S or F3S cylinder switch is mounted



Stroke length	40	50
FA	29.6	
FB	4	
RD	36.5	
HD	23.5	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting.

The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R. (module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

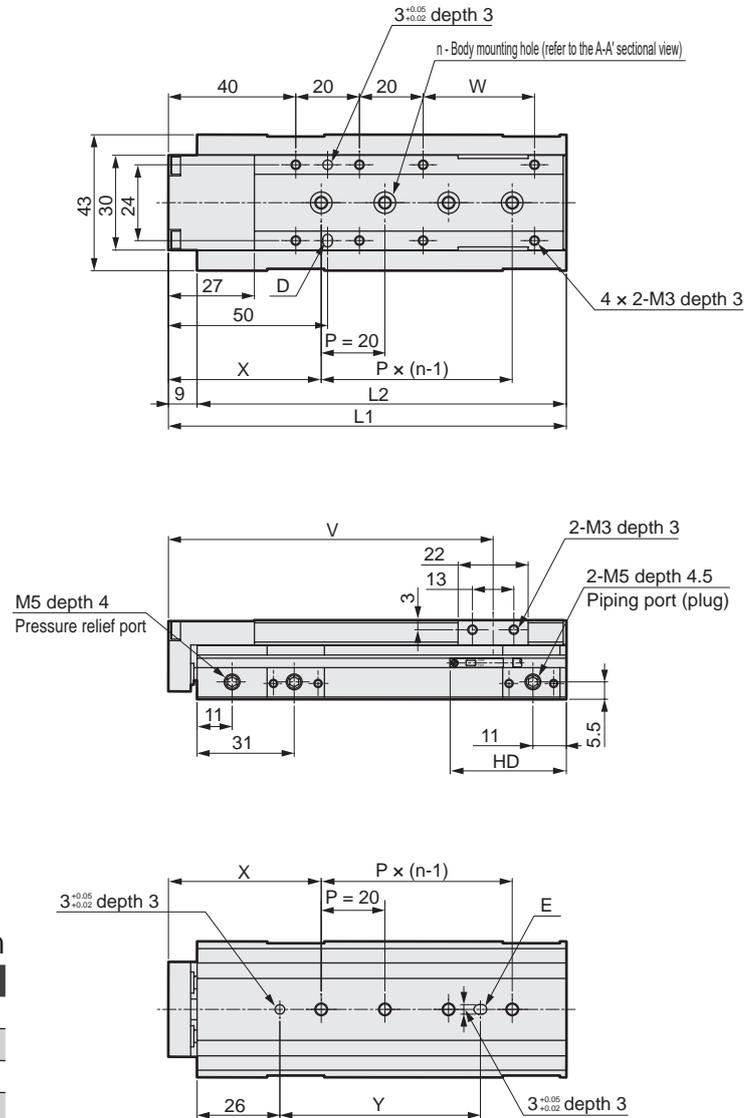
Dimensions (bore size: $\varnothing 8$)



● LCG-8-P7*

Stroke length: 40, 50, 75

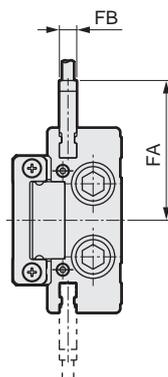
(Mounting holes in the figure indicate when stroke length is 50)



Dimensions by stroke length

Stroke length	40	50	75
L1	115	125	150
L2	106	116	141
n	3	4	5
V	92	102	127
W	25	35	60
X	46.5	48	45
Y	41.5	63	80
RD	34		
HD	32		

● Dimensions of projecting section when F2S or F3S cylinder switch is mounted



Stroke length	40	50	75
FA	32.6		
FB	4		
RD	33		
HD	33		

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting.

The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R. (module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending

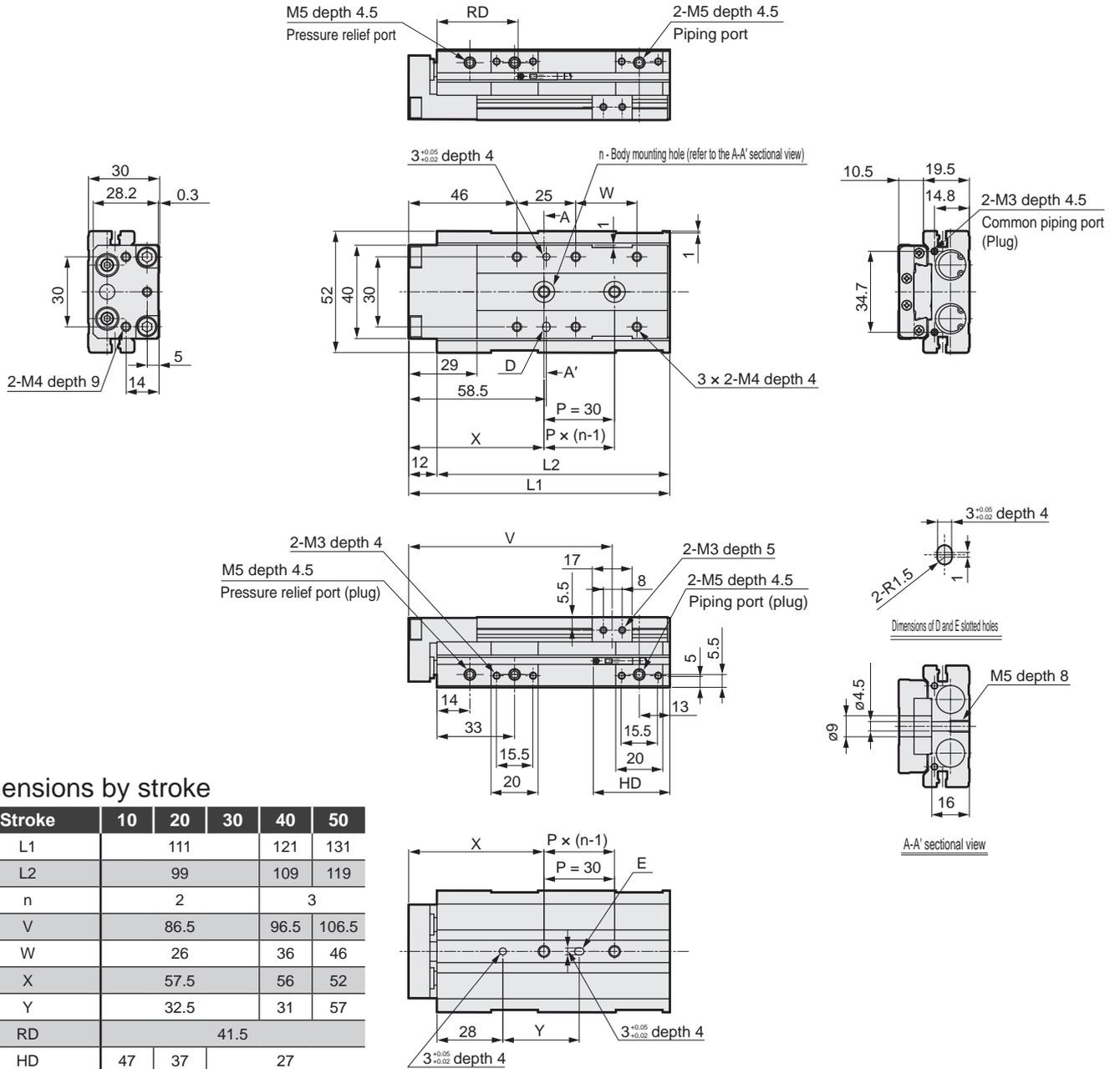


Dimensions (bore size: $\phi 12$)

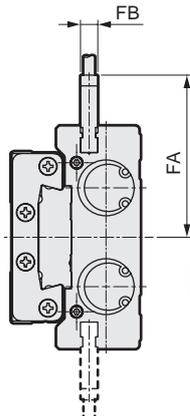
● LCG-12-P7*

Stroke length: 10, 20, 30, 40, 50

(Mounting holes in the figure indicate when stroke length is 30)



● Dimensions of projecting section when F2S or F3S cylinder switch is mounted



Stroke length	10	20	30	40	50
FA			37.8		
FB			4		
RD			40.5		
HD	48	38		28	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

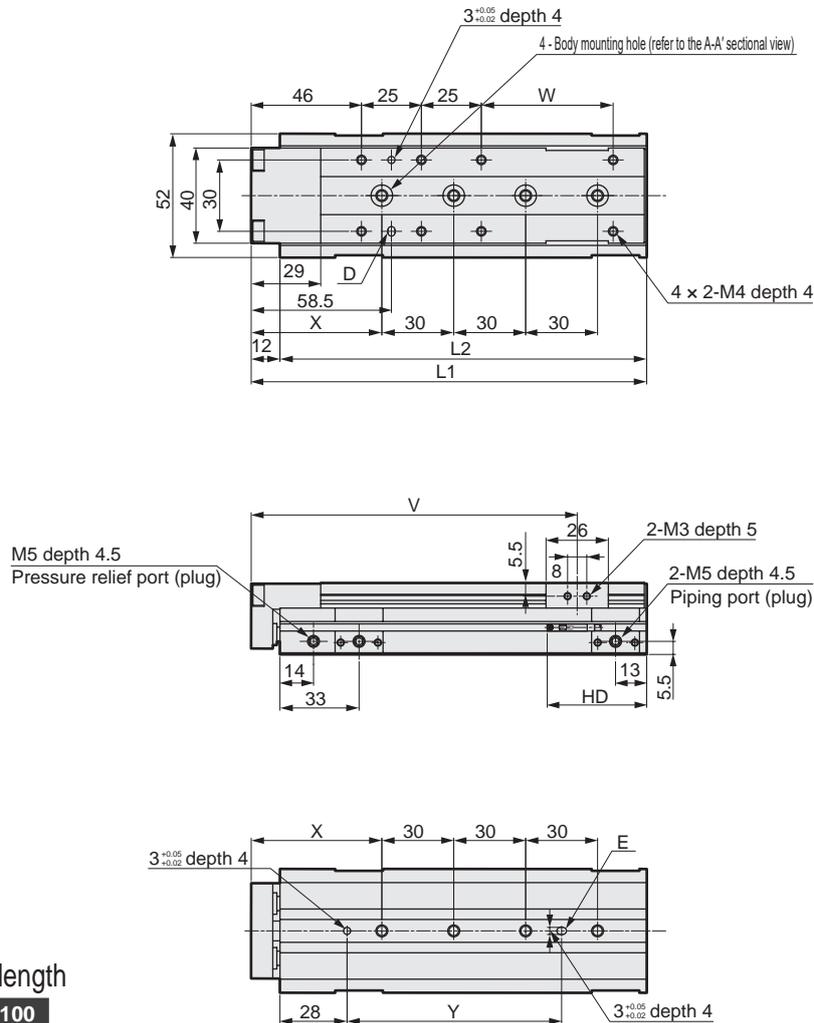
Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

Dimensions (bore size: $\phi 12$)



● LCG-12-P7*

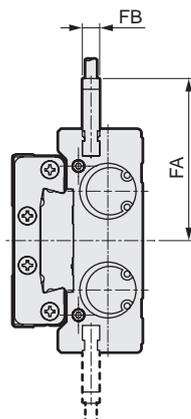
Stroke length: 75, 100
(Mounting holes in the figure indicate when stroke length is 100)



Dimensions by stroke length

Stroke length	75	100
L1	165	190
L2	153	178
V	136	161
W	55	80
X	54.5	67
Y	89.5	102
RD	41.5	
HD	36	

● Dimensions of projecting section when F2S or F3S cylinder switch is mounted



Stroke length	75	100
FA	37.8	
FB	4	
RD	40.5	
HD	37	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.
Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder Switch
- MN3E
MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R. (module unit)
- Clean F.R
- Precision R
- Press gauge
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

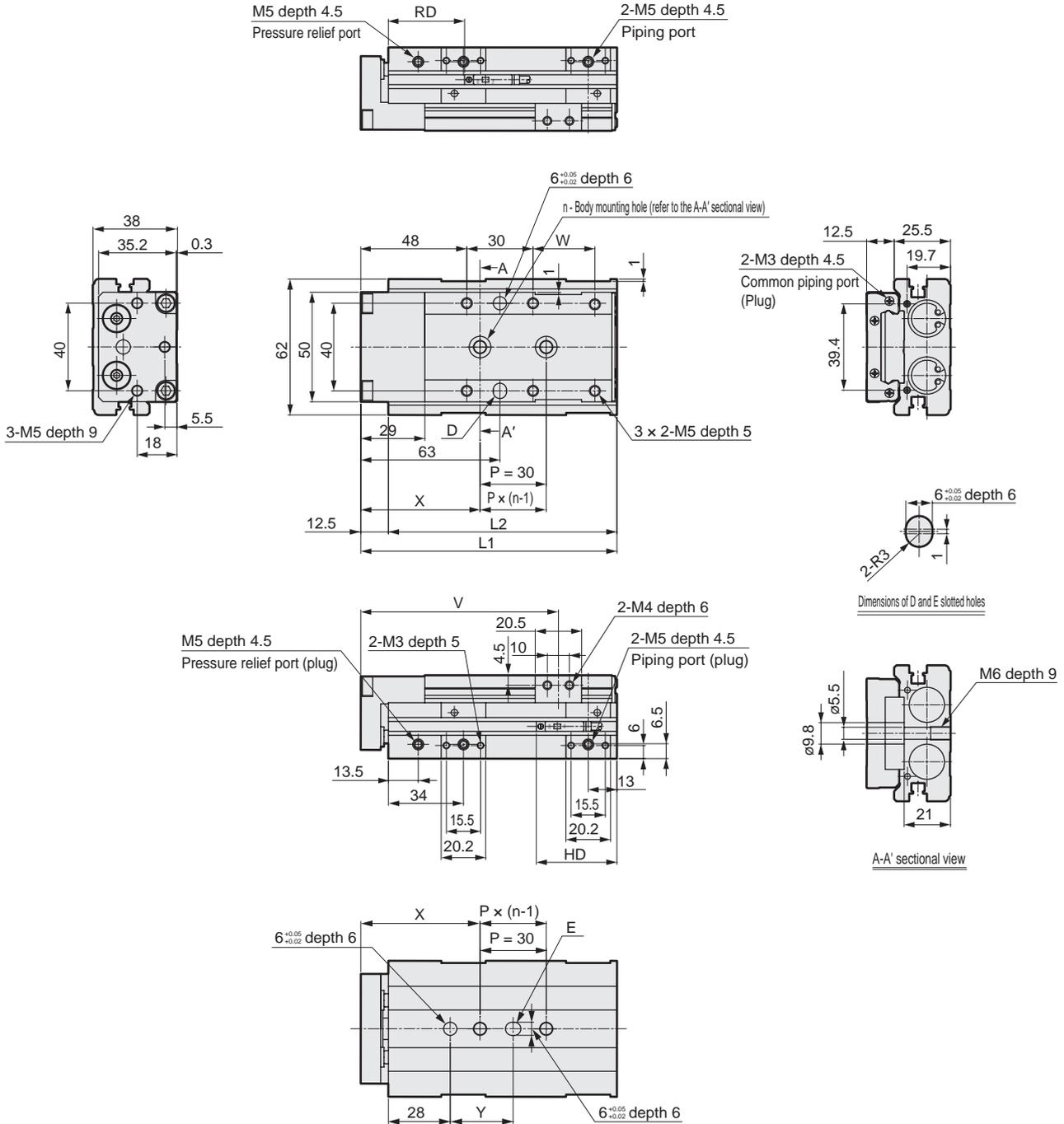


Dimensions (bore size: $\varnothing 16$)

● LCG-16-P7*

Stroke length: 10, 20, 30, 40, 50

(Mounting holes in the figure indicate when stroke length is 30)



Dimensions by stroke length

Stroke length	10	20	30	40	50
L1		116	126	136	
L2		103.5	113.5	123.5	
n		2	3		
V		89.8	99.8	109.8	
W		28	38	48	
X		54	65.5	55.5	
Y		28.5	40	60	
T0*/T5*	RD	37			
T2*/T3*	HD	56.5	46.5	36.5	
T2W*/T3W*	RD	39.5			
	HD	54	44	34	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

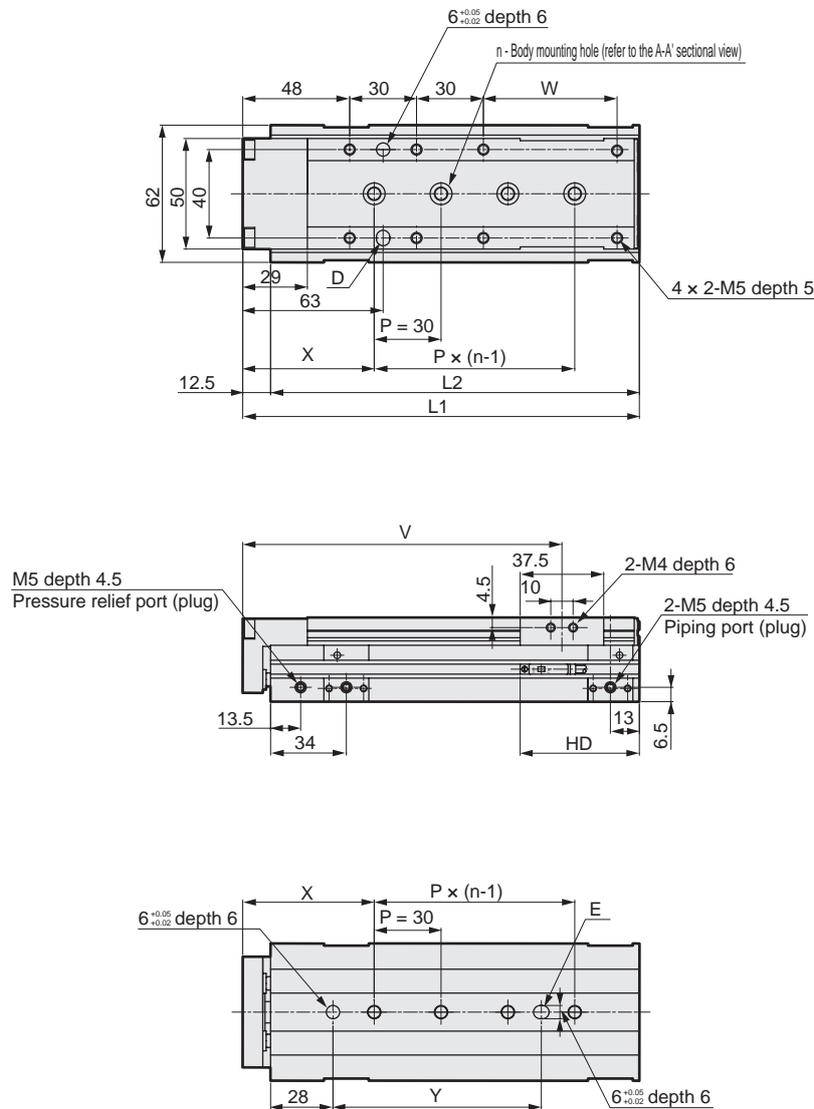
Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

Dimensions (bore size: $\varnothing 16$)



● LCG-16-P7*

Stroke length: 75, 100, 125
(Mounting holes in the figure indicate when stroke length is 75)



Dimensions by stroke length

Stroke length	75	100	125
L1	178	203	228
L2	165.5	190.5	215.5
n	4	5	
V	143.3	168.3	193.3
W	60	85	110
X	59	57	69
Y	93.5	121.5	133.5
T0*/T5*	RD	37	
T2*/T3*	HD	53.5	
T2W*/T3W*	RD	39.5	
	HD	51	

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in [1. Common; piping](#) on page 170.

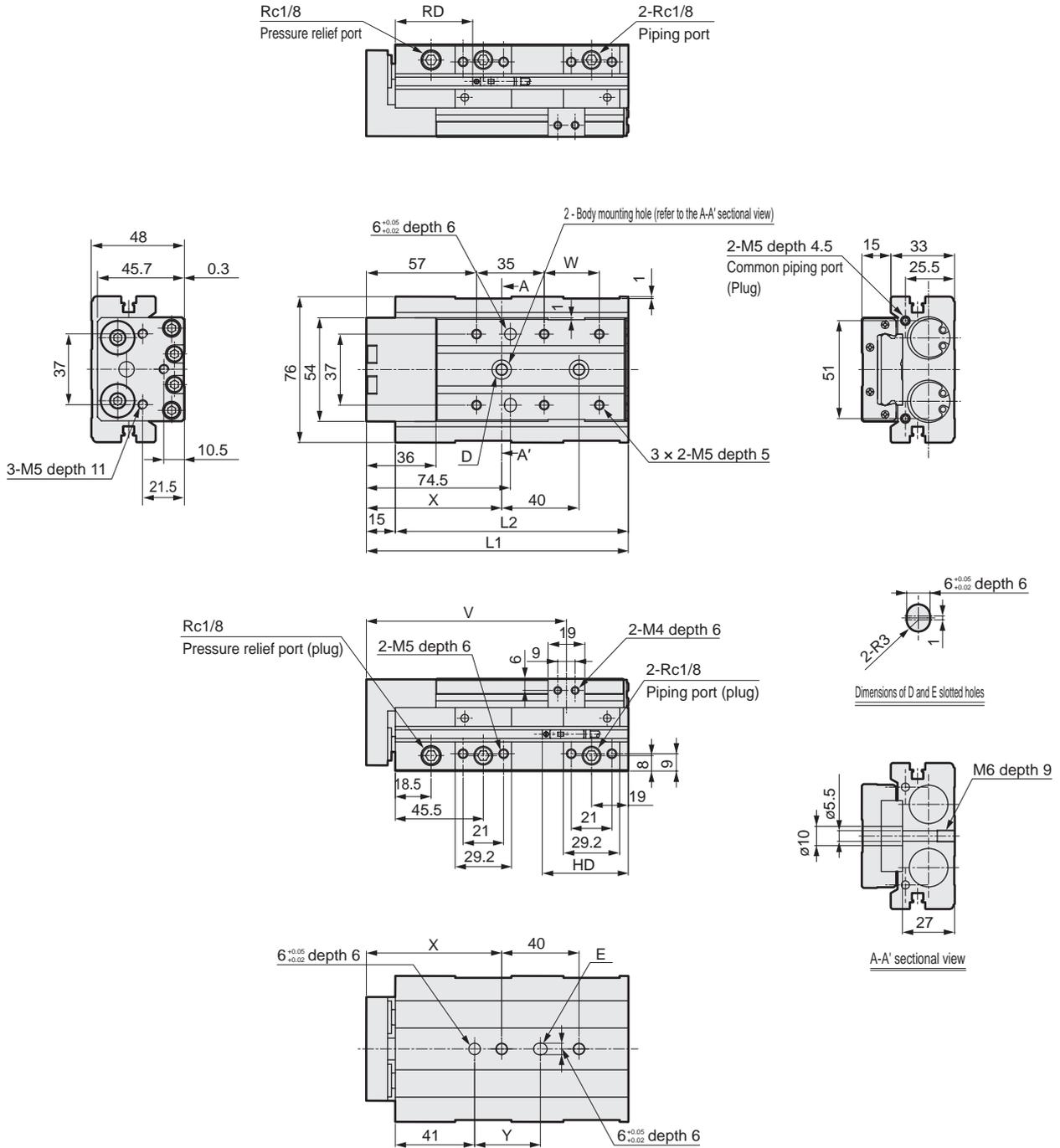
SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R. (module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending



Dimensions (bore size: $\varnothing 20$)

● LCG-20-P7*

Stroke length: 10, 20, 30, 40, 50
(Mounting holes in the figure indicate when stroke length is 30)



Dimensions by stroke length

Stroke length	10	20	30	40	50
L1		135.5	145.5	155.5	
L2		120.5	130.5	140.5	
V		103.5	113.5	123.5	
W		28.5	38.5	48.5	
X		70	76	74	
Y		34	40	38	
T0*/T5*	RD	41			
T2*/T3*	HD	69.5	59.5	49.5	
T2W*/T3W*	RD	43.5			
	HD	67	57	47	

* The same dimensions apply to the anti-rust (U).

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

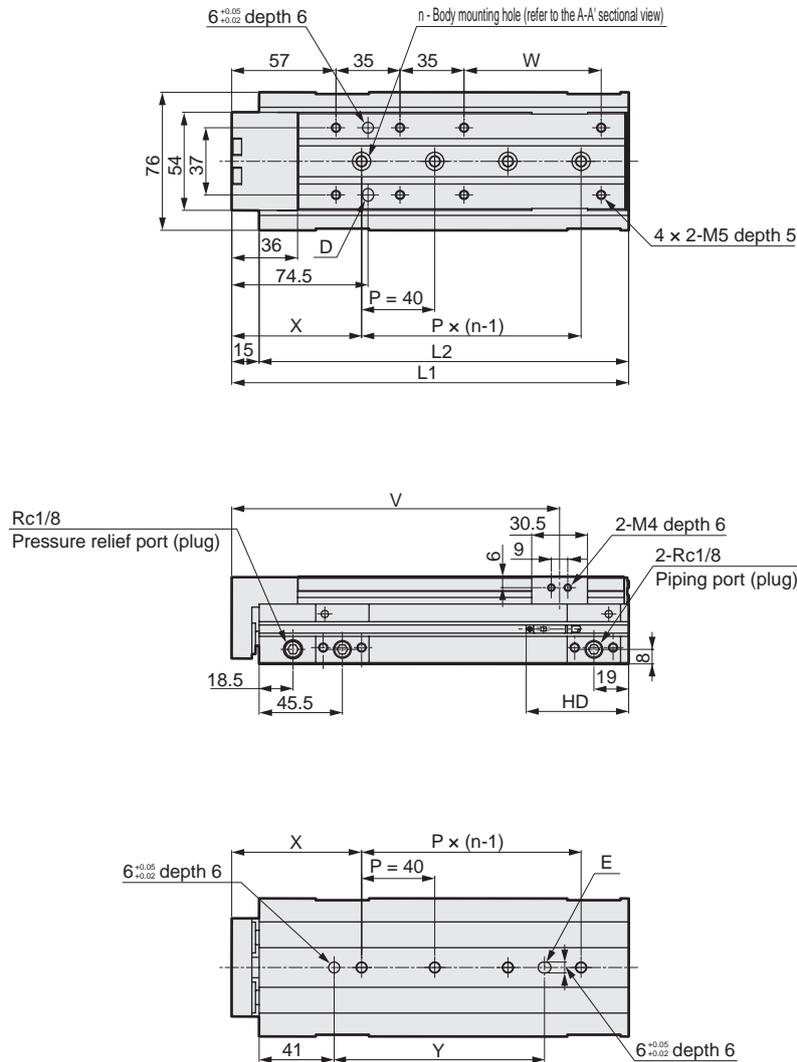
Dimensions (bore size: $\varnothing 20$)



● LCG-20-P7*

Stroke length: 75, 100, 125, 150

(Mounting holes in the figure indicate when stroke length is 100)



Dimensions by stroke length

Stroke length	75	100	125	150
L1	192	217	242	267
L2	177	202	227	252
n	3	4	5	
V	154.3	179.3	204.3	229.3
W	50	75	100	125
X	71	78	76	
Y	75	115	122	160
T0*/T5*	RD	41		
T2*/T3*	HD	61		
T2W*/T3W*	RD	43.5		
	HD	58.5		

* The same dimensions apply to the anti-rust (U).

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in [1. Common; piping](#) on page 170.

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder Switch
- MN3E
MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R. (module unit)
- Clean F.R
- Precision R
- Press gauge
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

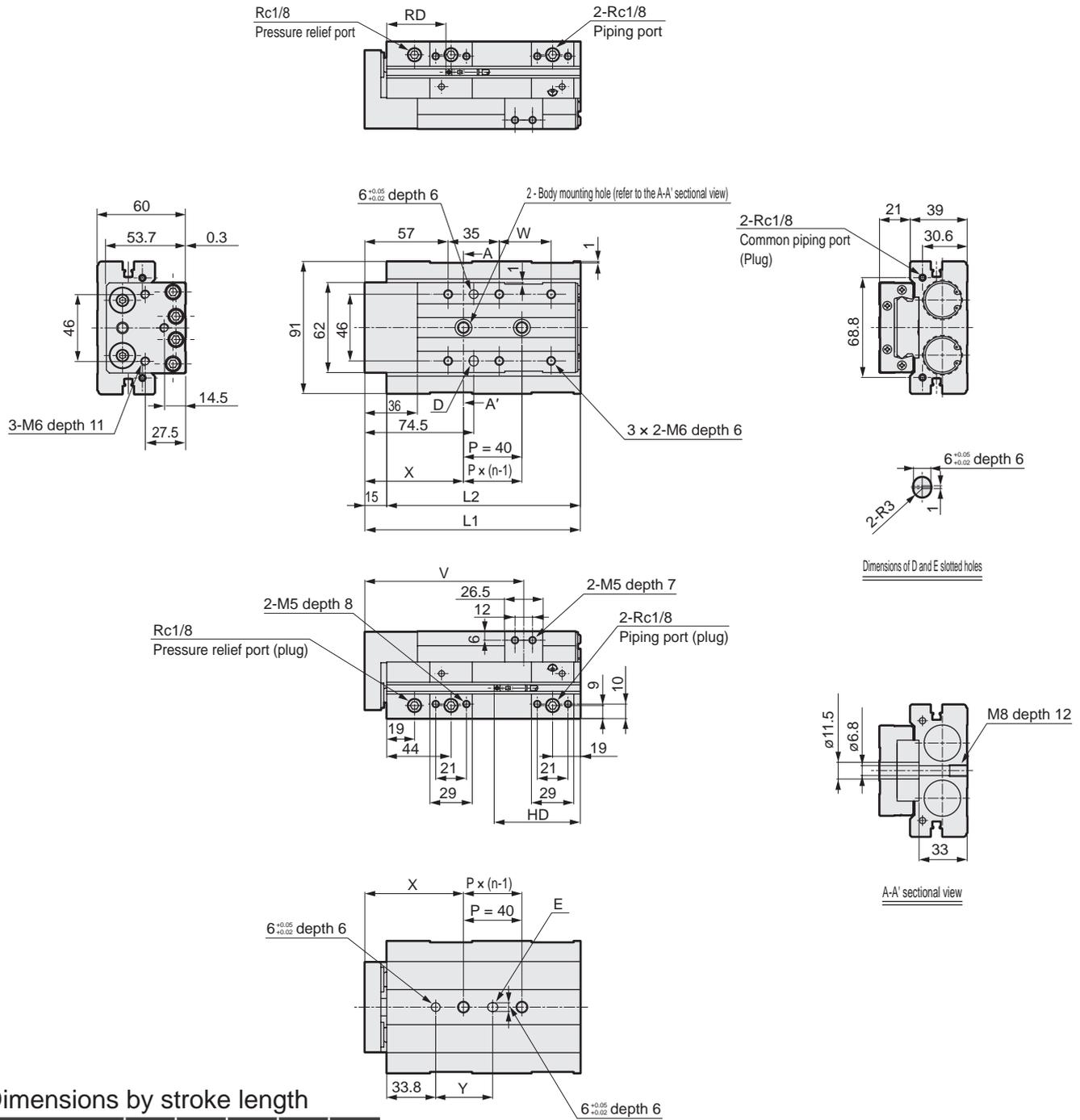


Dimensions (bore size: $\varnothing 25$)

● LCG-25-P7*

Stroke length: 10, 20, 30, 40, 50

(Mounting holes in the figure indicate when stroke length is 30)



Dimensions by stroke length

Stroke length	10	20	30	40	50
L1	147.5	157.5	167.5		
L2	132.5	142.5	152.5		
n	2	3	2		
V	108.8	118.8	128.8		
W	35.5	45.5	55.5		
X	67.5	70.5	85.5		
Y	39	42	57		
T0*/T5*	RD	43.5			
T2*/T3*	HD	79	69	59	
T2W*/T3W*	RD	46			
	HD	76.5	66.5	56.5	

* The same dimensions apply to the anti-rust (U).

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

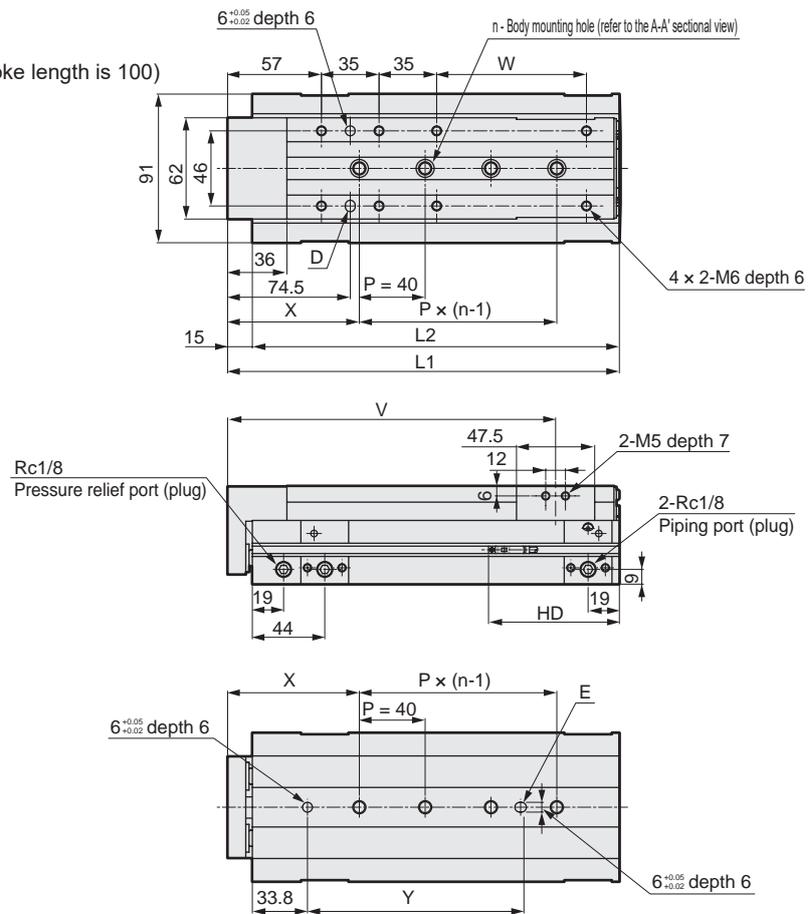
Dimensions (bore size: $\varnothing 25$)



● LCG-25-P7*

Stroke length: 75, 100, 125, 150

Mounting holes in the figure indicate when stroke length is 100)



Dimensions by stroke length

Stroke length	75	100	125	150
L1	213	238	263	288
L2	198	223	248	273
n	3	4	5	
V	163.8	188.8	213.8	238.8
W	66	91	116	141
X	85	80	70	85
Y	96.5	131.5	161.5	176.5
T0*/T5*	RD	43.5		
T2*/T3*	HD	79.5		
T2W*/T3W*	RD	46		
	HD	77		

* The same dimensions apply to the anti-rust (U).

Note 1: When using a positioning hole, use a pin of the dimensions that do not require press fitting. The recommended tolerance of a pin is JIS tolerance m6 or less.

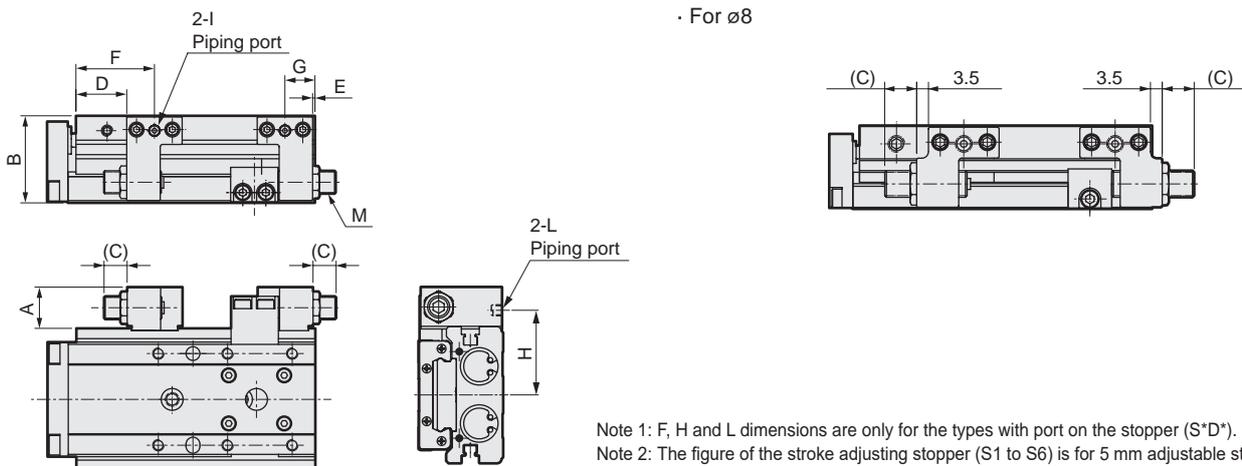
Note 2: When installing rear side piping, check the safety precautions described in (1. Common; piping) on page 170.

Dimensions: Option



● Stroke adjusting stopper (S1 to S6)

· For $\varnothing 8$



Note 1: F, H and L dimensions are only for the types with port on the stopper (S*D*).

Note 2: The figure of the stroke adjusting stopper (S1 to S6) is for 5 mm adjustable stroke range. If the adjustable stroke range is increased, the C dimension increases accordingly.

Code	Bore size (mm)	A	B	C			D	E	F	G	H	I	L	M
				Adjustable stroke range										
				5 mm	15 mm	25 mm								
$\varnothing 6$		14	19.9	11	21	-	16	1	25.5	10.5	24	M3 depth 3	M3 depth 3	M8 x 0.75
$\varnothing 8$		15.6	24.5	9.5	19.5	-	20.5	0.5	30.5	11	27.3	M5 depth 4	M5 depth 4	M8 x 0.75
$\varnothing 12$		15.5	29	12	22	32	21	1	33	13	31	M5 depth 4	M5 depth 4	M8 x 0.75
$\varnothing 16$		18	37	10	20	30	22	1	34	13	39	M5 depth 4	M5 depth 4	M10 x 1
$\varnothing 20$		20.5	45.5	14.5	24.5	34.5	29	2.5	45.5	19	47	Rc1/8	M5 depth 4	M12 x 1
$\varnothing 25$		20.5	57	11.5	21.5	31.5	27.5	2.5	44	19	54.5	Rc1/8	M5 depth 4	M12 x 1

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder Switch
- MN3E
- MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R. (module unit)
- Clean F.R
- Precision R
- Press gauge
- Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending