

SCPD3
CMK2
SCM
SSD2
MDC2
MSD

MSDG-L

SMG

LCR

LCG

STM

STG

STR2

SCPD3

CMK2

SCM

SCG

SSD2

SMG

LCR

STG

STS

STL

LSH

LSHL

LSHM

LST

LSTM

HMC

CKW

ABP2

SCPD3

CMK2

SCM

SSD2

MSD

MSDG-L

SMG

STG

STM

LCR

LCG

STR2

LSH

LSHL

SCPD3

CMK2

SCM

SSD2

MSD

MSDG-L

SMG

STG



Round shaped cylinder
Double acting/Single rod/rubber scraper

Environment-resistant cylinder

SCM-G-HP1 Series

● Bore size: $\phi 20/\phi 25/\phi 32/\phi 40/\phi 50/\phi 63/\phi 80/\phi 100$

JIS symbol

RoHS

CAD

Specifications

Item		SCM-G-HP1							
Bore size	mm	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Actuation		Double acting							
Working fluid		Compressed air							
Max. working pressure MPa		1.0							
Min. working pressure MPa		0.1		0.15		0.1			
Proof pressure MPa		1.6							
Ambient temperature °C		-10 to 60 (no freezing)							
Port size	With rubber cushion	Rc1/8				Rc1/4		Rc3/8	Rc1/2
	With air cushion	M5		Rc1/8		Rc1/4		Rc3/8	Rc1/2
Stroke tolerance mm	With rubber cushion	+1.4 0 (up to 1000)			+1.4 ₀ (up to 1500)		+2.3 0 (up to 1000), +2.7 0 (1001 to 1500)		
	With air cushion	+1.4 0 (up to 1000)			+1.4 ₀ (up to 1500)		+1.4 0 (up to 1000), +1.8 0 (1001 to 1500)		
Working piston speed mm/s		30 to 1000 (Operate within the allowable absorbed energy.)							
Cushion		Either rubber cushion or air cushion can be selected.							
Effective air cushion length mm		8.1	8.1	8.6	8.6	13.4	13.4	15.4	15.4
Lubrication		Not required							
Allowable absorbed energy J	With rubber cushion	0.1	0.2	0.5	0.9	1.6	1.6	3.3	5.8
	With air cushion	0.8	1.2	2.5	3.7	8.0	14.4	25.4	45.6
	Without cushion	-	-	-	-	0.057	0.057	0.112	0.153

*1 : No cushion in the allowable absorption energy indicates the allowable absorption energy of the side that is not indicated ("R" → head side, "H" → rod side) when the one-side air cushion is selected.

*2: Without a cushion, large energy generated by the external load cannot be absorbed. Please provide an external shock absorber.

Stroke

Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)
$\phi 20$	25, 50, 75, 100, 125, 150, 200, 250, 300	1000	10
$\phi 25$			
$\phi 32$			
$\phi 40$			
$\phi 50$	150, 200, 250, 300	1500	10
$\phi 63$			
$\phi 80$			
$\phi 100$			

*1: The custom stroke is available in 1 mm increments.

Number of installed switches and min. stroke (mm)

● Switch mounting: Rail

Switch quantity	1			2		3			4			5		
	Proximity		Reed	Proximity	Reed	Proximity		Reed	Proximity		Reed	Proximity		Reed
Bore size (mm)	T2,T3	T2W,T3W		T2,T3		T2,T3	T2W,T3W		T2,T3	T2W,T3W		T2,T3	T2W,T3W	
$\phi 20$	10			25		50	70	55	55	70	55	75	110	90
$\phi 25$	10			25		50	70	55	55	70	55	75	110	90
$\phi 32$	10			25		50	70	55	55	70	55	75	110	90
$\phi 40$	10			25		50	70	55	55	70	55	75	110	90
$\phi 50$	10			25		50	65	55	55	65	55	75	110	90
$\phi 63$	10			25		50	65	55	55	65	55	75	110	90
$\phi 80$	10			25		50	65	55	55	65	55	75	110	90
$\phi 100$	10			25		50	65	55	55	65	55	75	110	90

*1: For types with one switch, when the stroke is between 10 and 24 mm, trunnion mounting is not available since the switch rail mounting position is different. For the mounting position, refer to "Pneumatic Cylinders I (No. CB-029SA).

● Switch mounting: Band

Switch mounting: Band															
Switch quantity	1			2			3			4			5		
Bore size (mm)	Proximity		Reed	Proximity		Reed	Proximity		Reed	Proximity		Reed	Proximity		Reed
	T2,T3	T2W,T3W		T0,T5 T2,T3	T2W,T3W		T0,T5 T2,T3	T2W,T3W		T0,T5 T2,T3	T2W,T3W		T0,T5 T2,T3	T2W,T3W	
ø20	10			25	30	25	50	55	50	70	75	70	95	100	95
ø25	10			25	30	25	50	55	50	70	75	70	95	100	95
ø32	10			25	30	25	50	55	50	70	75	70	95	100	95
ø40	10			25	30	25	50	55	50	70	75	70	95	100	95
ø50	10			25	30	25	50	55	50	70	75	70	95	100	95
ø63	10			25	30	25	50	55	50	70	75	70	95	100	95
ø83	10			25	30	25	50	55	50	70	75	70	95	100	95
ø100	10			25	30	25	50	55	50	70	75	70	95	100	95

How to order

Without switch (built-in magnet for switch)

SCM-G-LB-40B-100-MI-HP1

With switch (built-in magnet for switch)

SCM-G-LB-40B-100-T2H-D-MI-HP1

A Mounting
*1

B Bore size

C Port thread

D Cushion

E Stroke

F Switch model No.
*3
*4

G Switch quantity

H Switch mounting

I Option
*6J Accessory
*7

⚠ Precautions for model No. selection

*1: Mounting bracket will be shipped with the product. However, mounting types: LB and FA are assembled at shipment. In addition, when the mounting type is 00, it cannot be installed on the rod side.

*2: Refer to page 56 for the number of installed switches and the min. stroke.

*3: Switches other than F Switch model No. are also available. (Made to order) For details, refer to "Pneumatic Cylinders I (No. CB-029SA)".

*4: T8H/V switches cannot be mounted when the bore size is $\phi 20$ to $\phi 40$ and switch mounting is the rail type.

*5: Refer to "Pneumatic Cylinders I" (CB-029SA) for made-to-order specifications of rod end form.

*6: "Q" (switch rail attached at shipment) is not available for "Z" switch mounting.

*7: "I" and "Y" cannot be selected together.

*8: Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

[Example of model No.]

SCM-G-LB-40B-100-T2H-D-MI-HP1

Model: Round shaped cylinder, double acting

- A Mounting : Axial foot
 B Bore size : $\phi 40$ mm
 C Port thread : Rc thread
 D Cushion : With two-sided air cushion
 E Stroke : 100 mm
 F Switch model No. : Proximity T2H switch, lead wire 1 m
 G Switch quantity : 2 pcs. included
 H Switch mounting : Rail
 I Option : Piston rod material (stainless steel)
 J Accessory : Rod eye

Code	Description								
A Mounting									
	Bore size (ø)	20	25	32	40	50	63	80	100
00	Basic	●	●	●	●	●	●	●	●
LB	Axial foot	●	●	●	●	●	●	●	●
FA	Rod side flange	●	●	●	●	●	●	●	●
FB	Head side flange	●	●	●	●	●	●	●	●
CA	Eye bracket	●	●	●	●	●	●		
CB	Clevis bracket (pin and snap ring attached)							●	●
TA	Rod side trunnion	●	●	●	●	●	●		
TB	Head side trunnion	●	●	●	●	●	●		
B Bore size (mm)									
20	ø20								
25	ø25								
32	ø32								
40	ø40								
50	ø50								
63	ø63								
80	ø80								
100	ø100								
C Port thread									
Blank	Rc thread								
N	NPT thread (made to order) With air cushion: ø32 and over								
G	G thread (made to order) With air cushion: ø32 and over								
D Cushion									
B	With two-sided air cushion								
R	Rod side air cushioned								
H	Head side air cushioned								
D	With two-sided rubber cushion								
E Stroke (mm)									
Bore size		Stroke *2		Custom stroke					
ø20 to ø32		10 to 1000		In 1 mm increments					
ø40 to ø100		10 to 1500							
F Switch model No.									
Lead wire Straight	Lead wire L-shaped	Contact	Voltage		Indicator	Lead wire			
			AC	DC					
T0H*	T0V*	Reed	●	●	1-color LED	2-wire			
T5H*	T5V*		●	●	No LED				
T8H*	T8V*		●	●	1-color LED				
T1H*	T1V*		●		1-color LED	2-wire			
T2H*	T2V*			●		3-wire			
T3H*	T3V*		●						
T2HR3	T2VR3	Proximity		●	1-color LED Bending resistant lead wire	2-wire			
T3PH*	T3PV*			●	1-color LED (made to order)	3-wire			
T2WH*	T2WV*			●	2-color LED	2-wire			
T3WH*	T3WV*			●		3-wire			
T2YD*	-			●	2-color LED	2-wire			
T2YDT*	-			●					
T2JH*	T2JV*			●	1-color LED off-delay	2-wire			
* Lead wire length									
Blank	1 m (standard)								
3	3 m (option)								
5	5 m (option)								
G Switch quantity									
R	1 on rod side								
H	1 on head side								
D	2								
T	3								
4	4 pcs. Included (when there are more than 4 switches, indicate switch quantity.)								
H Switch mounting									
Blank	Rail method								
Z	Band method								
I Option									
Q	Switch rail attached at shipment								
M	Piston rod material (stainless steel)								
P6	Copper and PTFE free								
J Accessory									
	Bore size (ø)	20	25	32	40	50	63	80	100
I	Rod eye	●	●	●	●	●	●	●	●
Y	Rod clevis (pin and snap ring attached)	●	●	●	●	●	●	●	●
B1	Eye bracket							●	●
B2	Clevis bracket	●	●	●	●	●	●		

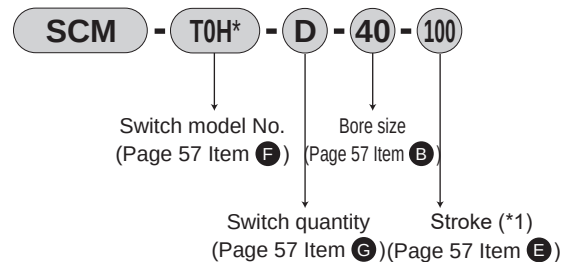
SCP03	Long service life cylinder	SCP03	Linear Slide Hand	Low-profile long stroke hand	Wide Parallel Hand	Chuck	Air Booster	Compatible with rechargeable batteries	Supports food mfg. processes
CMK2	SSD2	MDC2	MSD	MSD-G-L	SMG	LCR	STG	STM	LCG
STR2	SCP03	CMK2	SCM	SCG	SSD2	SMG	LCR	STG	STM
STL	LSH	LSHL	LSHM	LST	LSTM	HMC	CKW	ABP2	SCP03
									CMK2
									SCM
									SSD2
									MSD
									MSD-G-L
									SMG
									STG
									STM
									LCR
									LCG
									STR2
									LSH
									LSHL
									SCP03
									CMK2
									SCM
									SCG
									SSD2
									STG

SCM-G-HP1 Series

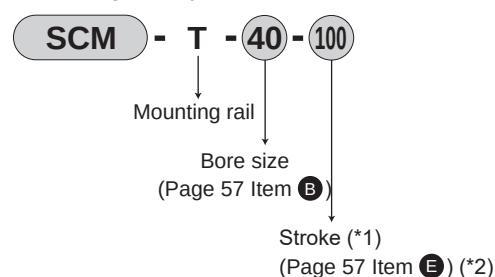
How to order switch

[Switch mounting: Rail]

- Switch body + mounting rail set



- Mounting rail only

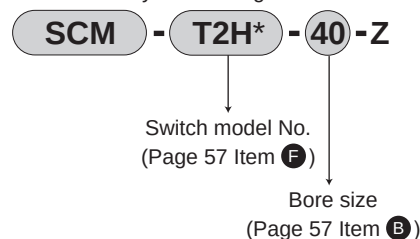


*1: Indicate X if the stroke exceeds 300mm. If exceeding 300 mm, a short rail (with 100 mm switch adjustment travel distance) will be included per switch.

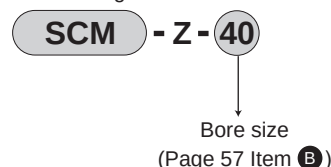
*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

[Switch mounting: Band]

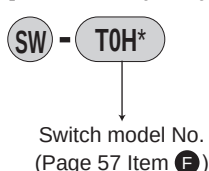
- Switch body + mounting bracket set + band



- Mounting bracket set + band



[Switch body only]



How to order mounting brackets

Bore size (mm)	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Mounting bracket								
Foot (LB)	SCM-LB-20-HP1	SCM-LB-25-HP1	SCM-LB-32-HP1	SCM-LB-40-HP1	SCM-LB-50-HP1	SCM-LB-63-HP1	SCM-LB-80-HP1	SCM-LB-100-HP1
Flange (FA/FB)	SCM-FA-20-HP1	SCM-FA-25-HP1	SCM-FA-32-HP1	SCM-FA-40-HP1	SCM-FA-50-HP1	SCM-FA-63-HP1	SCM-FA-80-HP1	SCM-FA-100-HP1
Eye bracket (CA)	SCM-CA-20	SCM-CA-25	SCM-CA-32	SCM-CA-40	SCM-CA-50	SCM-CA-63	-	-
Clevis bracket (CB)	-	-	-	-	-	-	SCM-CB-80	SCM-CB-100
Trunnion (TA/TB)	SCM-TA-20	SCM-TA-25	SCM-TA-32	SCM-TA-40	SCM-TA-50	SCM-TA-63	-	-

*1: All mounting brackets are supplied with mounting bolts.

*2: The foot mounting bracket is provided as 2 pcs./set.

Material of mounting bracket

Mounting	Material
LB	Steel
FA/FB	Aluminum
TA/TB	Steel
CA	Steel
CB	Cast iron

Note: Mounting bracket will be shipped with the product. (Other than LB, FA)

Consumable parts list

- With air cushion

Bore size (mm)	Kit No.	Part name
ø 20	SCM-G-20BK-HP1	Rod packing
ø 25	SCM-G-25BK-HP1	Cylinder gasket
ø 32	SCM-G-32BK-HP1	Cushion rubber
ø 40	SCM-G-40BK-HP1	Piston packing
ø 50	SCM-G-50BK-HP1	Wear ring
ø 63	SCM-G-63BK-HP1	Needle gasket
ø 80	SCM-G-80BK-HP1	Holder gasket
ø100	SCM-G-100BK-HP1	Cushion packing
		Scraper
		Lube keeping structure

*1: Specify the kit No. when placing an order.

*2: Cushion rubber is not included in ø50 to ø100.

- With rubber cushion

Bore size (mm)	Kit No.	Part name
ø 20	SCM-G-20DK-HP1	Rod packing
ø 25	SCM-G-25DK-HP1	Cylinder gasket
ø 32	SCM-G-32DK-HP1	Cushion rubber
ø 40	SCM-G-40DK-HP1	Piston packing
ø 50	SCM-G-50DK-HP1	Wear ring
ø 63	SCM-G-63DK-HP1	Scraper
ø 80	SCM-G-80DK-HP1	Lube keeping structure
ø100	SCM-G-100DK-HP1	

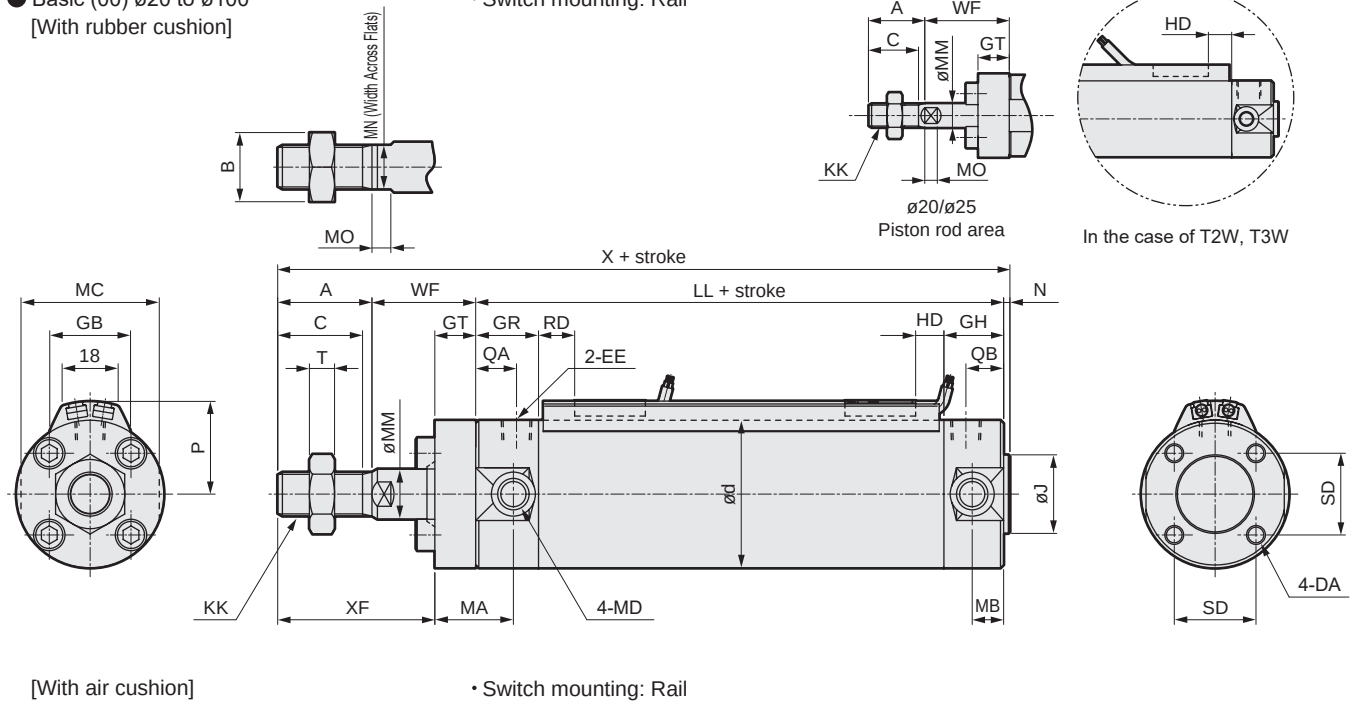
*1: Specify the kit No. when placing an order.

Dimensions



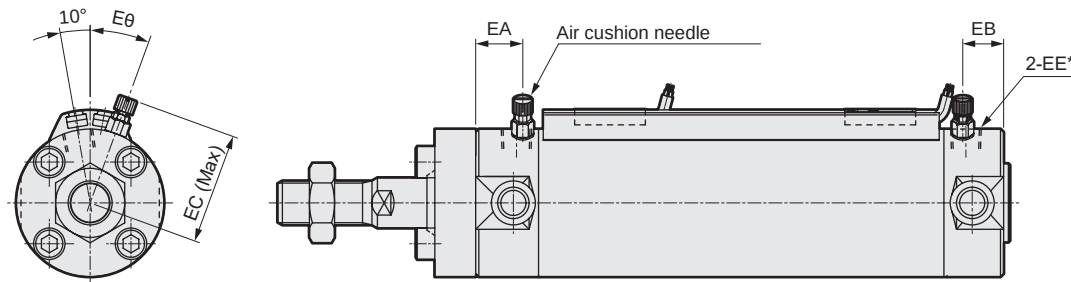
- Basic (00) $\phi 20$ to $\phi 100$
[With rubber cushion]

• Switch mounting: Rail



[With air cushion]

• Switch mounting: Rail



Code	Basic (00) basic dimensions																					
Bore size (mm)	A	B	C	D	DA	EE ^{*1}	GH	GR	GT	J	KK	LL	MA	MB	MC	MD	MM	MN	MO	N	QA	QB
ø 20	18	13	16	26	M4 depth 6.5	Rc1/8	17	19	10	12	M8	69	21	11	24	M5	8	6	4	2	12	10
ø 25	22	17	20	31	M5 depth 6.5	Rc1/8	17	19	10	14	M 10 x 1.25	69	21	11	29	M6	10	8	5	2	12	10
ø 32	22	17	20	38	M5 depth 7.5	Rc1/8	17	19	11	18	M 10 x 1.25	71	22	10	36	M8	12	10	5.5	2	12	10
ø 40	30	22	27	47	M6 depth 12	Rc1/8	19	20	13	25	M 14 x 1.5	78	25	10	44	M10	16	14	6	2	13	12
ø 50	35	27	32	58	M8 depth 16	Rc1/4	22	25	14	30	M 18 x 1.5	90	27	12	55	M12	20	17	8	2	15	12
ø 63	35	27	32	72	M10 depth 16	Rc1/4	22	25	14	32	M 18 x 1.5	90	27	12	69	M14	20	17	8	2	15	12
ø 80	40	32	37	89	M10 depth 22	Rc3/8	28	28	15	40	M 22 x 1.5	108	-	-	80	-	25	22	11	3	15	15
ø100	40	41	37	110	M12 depth 22	Rc1/2	28	28	15	50	M 26 x 1.5	108	-	-	100	-	30	27	13	3	15	15

Code	With air cushion										Switch mounting: Rail							
Bore size (mm)	SD	T	WF	X	XF	EA	EB	EC	EE*1	Eθ	P	GB	HD			RD		
													T0/T5	T2/T2R T3/T3P	T2W T3W	T0/T5	T2/T2R T3/T3P	T2W T3W
$\phi 20$	14	5	27	116	35	14	12	27	M5	30°	19.5	23	3.0	6.5	8.5	7.5	7.5	9.5
$\phi 25$	16.5	6	28	121	40	14	12	29.5	M5	30°	22	24.4	2.0	5.5	7.5	8.5	8.5	10.5
$\phi 32$	20	6	29	124	40	14	12	32.8	Rc1/8	25°	25.5	25	3.0	6.5	8.5	9.5	9.5	11.5
$\phi 40$	26	8	33	143	50	15	12	36.6	Rc1/8	20°	30	25.7	5.0	8.5	10.5	11.5	11.5	13.5
$\phi 50$	32	11	36	163	57	18.5	15.5	43	Rc1/4	20°	35.5	26.2	7.5	11.0	13.0	13.0	13.0	15.0
$\phi 63$	38	11	36	163	57	18.5	15.5	50	Rc1/4	20°	42.5	26.5	7.5	11.0	13.0	13.0	13.0	15.0
$\phi 80$	50	13	44	195	69	20	20	58.5	Rc3/8	20°	51	26.7	9.5	13.0	15.0	20.0	20.0	22.0
$\phi 100$	60	16	47	198	72	20	20	69	Rc1/2	20°	61.5	26.7	10.0	13.5	15.5	19.5	19.5	21.5

1: Piping port (EE) of $\phi 20$, $\phi 25$ is different. Refer to the dimensions (EE) of the type with air cushion.

*2: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for RD, HD and protruding dimensions of the 2-color LED, off-delay, AC magnetic field proof, T1H/V and T8H/V switches.

*3: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for the dimensions of accessories.

* Refer to Double acting/Single rod in "Pneumatic Cylinders I" (No. CB-029SA) for dimensions of each mounting type.

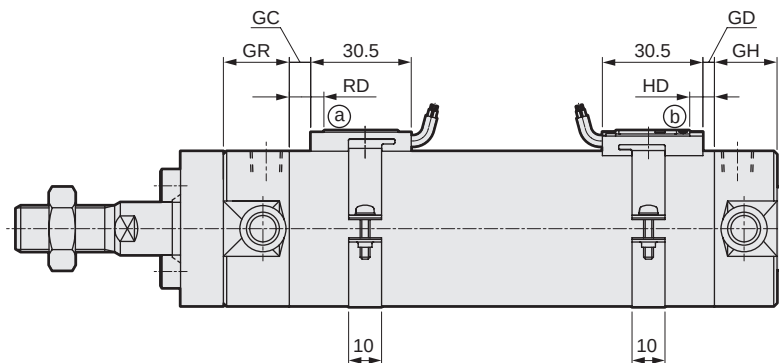
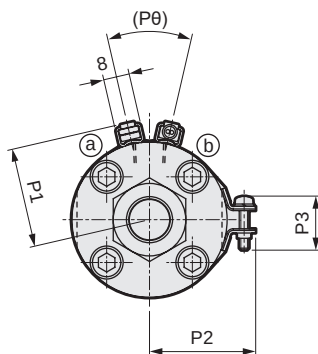
SCM-G-HP1 Series

Dimensions



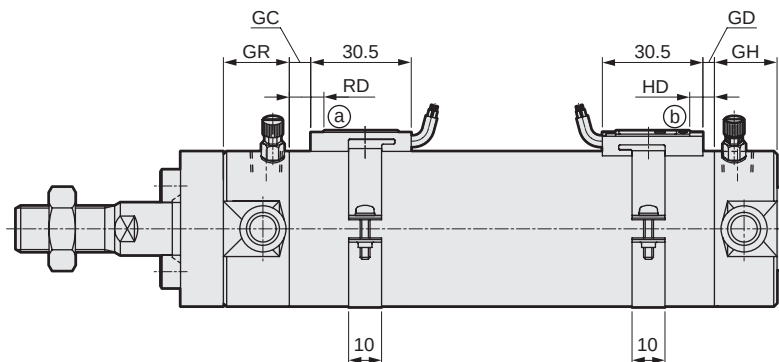
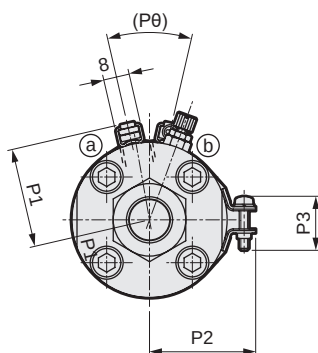
- Basic (00) $\varnothing 20$ to $\varnothing 100$
[With rubber cushion]

- Switch mounting: Band



- [With air cushion]

- Switch mounting: Band



Code	Switch mounting: Band																	
ChuBore size (mm)	GD			GC			GH	GR	HD			RD			P1	P2	P3	Pθ
	T0/T5	T2,T3	T2W T3W	T0/T5	T2,T3	T2W T3W			T0/T5	T2,T3	T2W T3W	T0/T5	T2,T3	T2W T3W				
ø 20	2.5	2.5	4.5	3.5	3.5	5.5	17	19	6.5	6.5	8.5	7.5	7.5	9.5	19.6	21.5	14	(38)
ø 25	1.5	1.5	3.5	4.5	4.5	6.5	17	19	5.5	5.5	7.5	8.5	8.5	10.5	22.1	23.9	14	(34)
ø 32	2.5	2.5	4.5	5.5	5.5	7.5	17	19	6.5	6.5	8.5	9.5	9.5	11.5	25.6	27.6	16	(30)
ø 40	4.5	4.5	6.5	7.5	7.5	9.5	19	20	8.5	8.5	10.5	11.5	11.5	13.5	30.2	32.1	16	(26)
ø 50	7.0	7.0	9.0	9.0	9.0	11.0	22	25	11.0	11.0	13.0	13.0	13.0	15.0	35.7	37.4	16	(22)
ø 63	7.0	7.0	9.0	9.0	9.0	11.0	22	25	11.0	11.0	13.0	13.0	13.0	15.0	42.7	44.4	16	(20)
ø 80	9.0	9.0	11.0	16.0	16.0	18.0	28	28	13.0	13.0	15.0	20.0	20.0	22.0	51.2	53.0	16	(16)
ø100	9.5	9.5	11.5	15.5	15.5	17.5	28	28	13.5	13.5	15.5	19.5	19.5	21.5	61.7	63.5	16	(16)

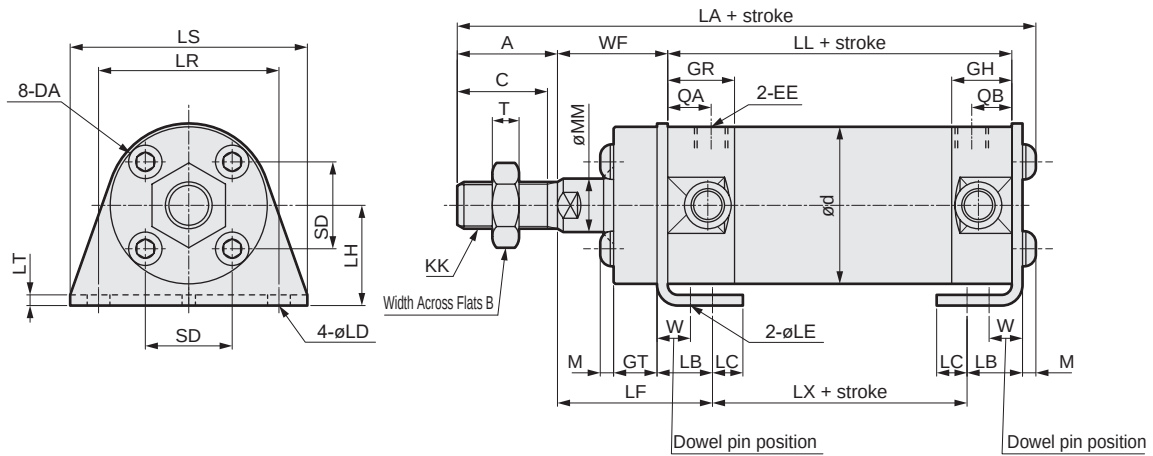
*1: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for RD, HD and protruding dimensions of the 2-color LED, off-delay, AC magnetic field proof, T1H/V and T8H/V switches.

*2: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for the dimensions of accessories.

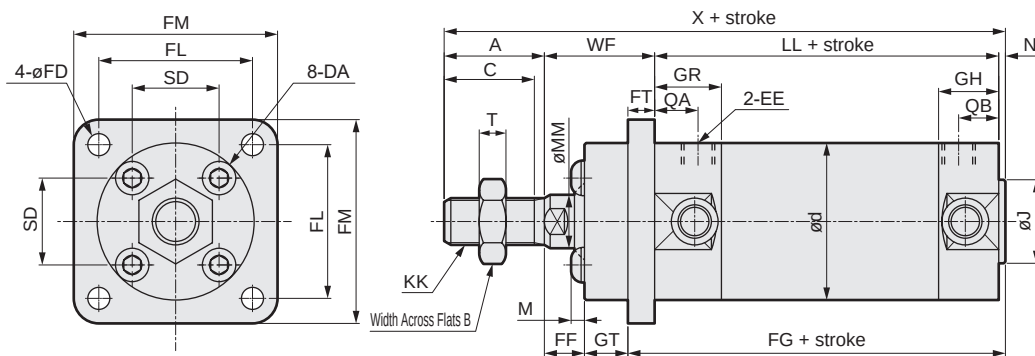
Dimensions



● Axial foot (LB)



● Rod side flange (FA)



Code	Axial foot (LB) basic dimensions																			
Bore size (mm)	A	B	C	D	DA	EE (*1)	GH	GR	GT	KK	LA	LB	LC	LD	LE	LF	LH	LL	LR	LS
ø 20	18	13	16	26	M4	Rc1/8	17	19	10	M8	119.8	15.1	7.1	5.7	4	38.9	20	69	32	44
ø 25	22	17	20	31	M5	Rc1/8	17	19	10	M 10 x 1.25	125.6	15.1	7.1	5.7	4	39.9	22	69	36	49
ø 32	22	17	20	38	M5	Rc1/8	17	19	11	M 10 x 1.25	128.6	16.1	8.1	6.8	4	41.9	25	71	44	58
ø 40	30	22	27	47	M6	Rc1/8	19	20	13	M 14 x 1.5	148.2	16.6	9.1	6.8	4	46.4	30	78	54	71
ø 50	35	27	32	58	M8	Rc1/4	22	25	14	M 18 x 1.5	170.5	22	11	9	5	53.5	40	90	66	86
ø 63	35	27	32	72	M10	Rc1/4	22	25	14	M 18 x 1.5	170.5	22	13	11	5	53.5	45	90	82	106
ø 80	40	32	37	89	M10	Rc3/8	28	28	15	M 22 x 1.5	202.5	28.5	14	11	6	68	55	108	100	125
ø100	40	41	37	110	M12	Rc1/2	28	28	15	M 26 x 1.5	208	30	16	14	6	71	65	108	120	150
Code	Rod side flange (FA) basic dimensions																			
Bore size (mm)	QA	QB	SD	T	W	WF	FD	FF	FG	FL	FM	FT	GH	GR	GT	J	KK	LL	MM	N
ø 20	12	10	14	5	10	27	5.5	11	77	28	40	6	17	19	10	12	M8	69	8	2
ø 25	12	10	16.5	6	10	28	5.5	11	78	32	44	7	17	19	10	14	M 10 x 1.25	69	10	2
ø 32	12	10	20	6	10	29	6.6	11	80	38	53	7	17	19	11	18	M 10 x 1.25	71	12	2
ø 40	13	12	26	8	10	33	6.6	12	88	46	61	8	19	20	13	25	M 14 x 1.5	78	16	2
ø 50	15	12	32	11	17.5	36	9	13	101	58	76	9	22	25	14	30	M 18 x 1.5	90	20	2
ø 63	15	12	38	11	17.5	36	11	13	101	70	92	9	22	25	14	32	M 18 x 1.5	90	20	2
ø 80	15	15	50	13	20	44	11	18	122	82	104	11	28	28	15	40	M 22 x 1.5	108	25	3
ø100	15	15	60	16	20	47	13	18	125	100	128	14	28	28	15	50	M 26 x 1.5	108	30	3
Code	Rod side flange (FA) basic dimensions																			
Bore size (mm)	A	B	C	D	DA	EE (*1)	FD	FF	FG	FL	FM	FT	GH	GR	GT	J	KK	LL	MM	N
ø 20	18	13	16	26	M4	Rc1/8	5.5	11	77	28	40	6	17	19	10	12	M8	69	8	2
ø 25	22	17	20	31	M5	Rc1/8	5.5	11	78	32	44	7	17	19	10	14	M 10 x 1.25	69	10	2
ø 32	22	17	20	38	M5	Rc1/8	6.6	11	80	38	53	7	17	19	11	18	M 10 x 1.25	71	12	2
ø 40	30	22	27	47	M6	Rc1/8	6.6	12	88	46	61	8	19	20	13	25	M 14 x 1.5	78	16	2
ø 50	35	27	32	58	M8	Rc1/4	9	13	101	58	76	9	22	25	14	30	M 18 x 1.5	90	20	2
ø 63	35	27	32	72	M10	Rc1/4	11	13	101	70	92	9	22	25	14	32	M 18 x 1.5	90	20	2
ø 80	40	32	37	89	M10	Rc3/8	11	18	122	82	104	11	28	28	15	40	M 22 x 1.5	108	25	3
ø100	40	41	37	110	M12	Rc1/2	13	18	125	100	128	14	28	28	15	50	M 26 x 1.5	108	30	3

*1: Needle relational dimensions and port sizes of the type with air cushion are the same as those of the basic type. Refer to pages 59 and 60. (Those of ø20/ø25 are different from the basic type.)

*2: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for RD, HD and protruding dimensions of the 2-color LED, off-delay, AC magnetic field proof, T1H/V and T8H/V switches.

*3: Refer to "Pneumatic Cylinders I (No. CB-029SA)" for the dimensions of accessories.

SCP3	Long service life cylinder
CMK2	
SCM	
SSD2	
MDC2	
MSD	
MSDG-L	
SMG	
LCR	
LCG	
STM	
STG	
STR2	
SCP3	Environment-resistant cylinder
CMK2	
SCM	
SCG	
SSD2	
SMG	
LCR	
STG	
STS	
STL	
LSH	Linear Slide Hand
LSHL	
LSHM	
LST	Low-profile long stroke hand
LSTM	
HMC	Wide Parallel Hand
CKW	Chuck
ABP2	Air Booster
SCP3	Compatible with rechargeable batteries
CMK2	
SCM	
SSD2	
MSD	
MSDG-L	
SMG	
STG	
STM	
LCR	
LCG	
STR2	
LSH	
LSHL	
SCP3	Supports food mfg. processes
CMK2	
SCM	
SCG	
SSD2	
STG	