Round shaped cylinder
Double acting/Single rod/rubber scraper

NSF-H1

SCM-G-FP1-HP1 Series

Bore size:ø20/ø25/ø32/ø40/ø50/ø63/ø80/ø100







Specifications

SCPD3 CMK2

SCM

SSD2

MDC2 MSD MSDG-L SMG

LCR LCG STM STG STR2

CMK2 SCM SCG SSD2 SMG LCR STG

STS

STL

LSH

LSHL

LSHM

CKW

SCM SSD2 MSD MSDG-L

SMG STG

LSHL SCPD3 CMK2

SCM SCG SSD2 STG

Booster ABP2

rechargeable batteries

Long service life cylinder

Environment-resistant cylinder

Linear Slide Hand

Specifications										
Item		SCM-G-FP1-HP1								
Bore size mm		ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100	
Actuation		Double acting								
Working fluid	d	Compressed air								
Max. workin	g pressure MPa	1.0								
Min. working pressure MPa		0.1 0.15 0.1								
Proof pressu	ure MPa	1.6								
Ambient tem	nperature °C	-10 to 60 (no freezing)								
Port size	With rubber cushion	Rc1/8				Rc	1/4	Rc3/8	Rc1/2	
FUIT SIZE	With air cushion	M5 Ro		1/8	Rc1/4		Rc3/8	Rc1/2		
Stroke tolerance mm	With rubber cushion	+1.4 (up to 1000)			+1.4 ⁰ (up to 1500)	+2.3 (up to 1000), +2.7 (1001 to 1500)				
	With air cushion	+1.4 (up to 1000) +1.40			+1.4 ⁰ (up to 1500)	+1.4 (up to 1000), +1.8 (1001 to 1500)				
Working pist	Working piston speed mm/s		30 to 1000 (Operate within the allowable absorbed energy.)							
Cushion	Cushion		Either rubber cushion or air cushion can be selected.							
Effective air c	Effective air cushion length mm		8.1	8.6	8.6	13.4	13.4	15.4	15.4	
Lubrication	Lubrication		Not required							
Allowable	With rubber cushion	0.1	0.2	0.5	0.9	1.6	1.6	3.3	5.8	
absorbed energy	With air cushion	0.8	1.2	2.5	3.7	8.0	14.4	25.4	45.6	
J	Without cushion	-	-	-	-	0.057	0.057	0.112	0.153	

^{*1:}The values of allowable absorbed energy for "No cushion" are the non-specified side when an air cushion is selected for the other side ("R"

Head side, "H"

Rod side) is the allowable absorbed energy.

Stroke

	Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)	
4	ø 20				
	ø 25		1000		
	ø 32				
1	ø 40	25, 50, 75, 100, 125,		10	
	ø 50	150, 200, 250, 300		10	
1	ø 63		1500		
	ø 80				
	ø100				

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

How to order mounting brackets

Bore size (mm) Mounting bracket	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
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-FP1	SCM-CB-100-FP1
Trunnion (TA/TB)	SCM-TA-20-FP1	SCM-TA-25-FP1	SCM-TA-32-FP1	SCM-TA-40-FP1	SCM-TA-50-FP1	SCM-TA-63-FP1	-	-

^{*1:} All mounting brackets are supplied with mounting bolts.

Refer to the SCM-G-HP1 Series on pages 59 to 61 for dimensions.

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

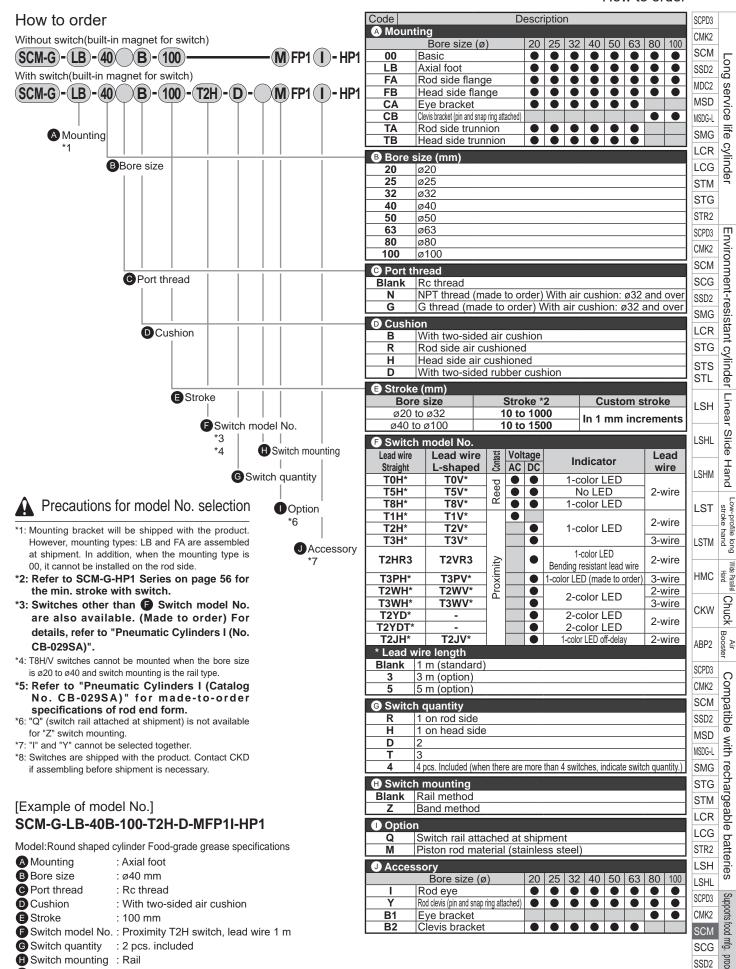
^{*2:} The foot mounting bracket is provided as 2 pcs./set.

SCM-G-FP1-HP1 Series

service life

cylinder

Chuck



Option

J Accessory

: Piston rod material (stainless steel)

: Rod eye

STG

Supports

mfg.