

Long service life cylinder

Environment-resistant cylinder

Linear Slide Hand

Low-profile long stroke hand

Wide Parallel Hand

Chuck

Air Booster

Compatible with rechargeable batteries

Supports food mfg. processes

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

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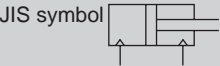


Guided cylinder Double acting/Single rod

Long service life cylinder

# STM-M-B-HP1 Series

● Bore size:ø6, ø10



## Specifications

Item	STM-M/B-HP1		
Bore size	mm	ø6	ø10
Actuation		Double acting	
Working fluid		Compressed air	
Max. working pressure MPa		0.7	
Min. working pressure MPa		0.15	
Proof pressure MPa		1.05	
Ambient temperature °C		-10 to 60 (no freezing)	
Port size		M3	
Stroke tolerance	mm	+1.5	
		0	
Working piston speed	mm/s	50 to 500	
Cushion		With rubber cushion	
Lubrication		Not required	
Allowable absorbed energy J		0.008	0.054

## Stroke

Bore size	Standard stroke (mm)	Max. stroke (mm)	Min. stroke	Min. stroke with switch
ø6	5/10/15	15	5	5
ø10	5/10/15/20	20		

Note: Products other than standard stroke are made to order products.

For dimensions, refer to the STM Series in "Pneumatic Cylinders II (CB-030SA)".

### How to order

Without switch (built-in magnet for switch)

**STM - M - 10 - 15 - A - HP1**

With switch (built-in magnet for switch)

**STM - M - 10 - 15 - F2V - D - A - HP1**

**A** Bearing

**B** Bore size

**C** Stroke

**D** Switch model No.  
\*1

**E** Switch quantity

**F** Option

### ⚠ Precautions for model No. selection

\*1: When using a 2-color LED proximity switch for STM-B-6, avoid mounting the cylinder on a magnetic substance such as a metal plate. This could lead to switch detection malfunction.

[Example of model No.]

**STM-M-10-15-F2H-D-A-HP1**

Model: Guided cylinder

- A** Bearing : Metal bush bearing
- B** Bore size :  $\varnothing 10$  mm
- C** Stroke : 15 mm
- D** Switch model No. : Proximity F2H switch, lead wire 1 m
- E** Switch quantity : 2 pcs. included
- F** Option : Side mounting

### How to order switch

**SW - F2V**

Switch model No.  
(Item **D** above)

Code		Description				
A Bearing						
M	Metal bush bearing					
B	Ball bearing					
B Bore size (mm)						
6	ø6					
10	ø10					
C Stroke (mm)						
		Bore size				
		6	10			
5	5	●	●			
10	10	●	●			
15	15	●	●			
20	20		●			
D Switch model No.						
Lead wire Straight	Lead wire L-shaped	Contact	Voltage		Indicator	Lead wire
			AC	DC		
-	F2S*	Proximity		●	1-color LED	2-wire
F2H*	F2V*			●		3-wire
-	F3S*			●		
F3H*	F3V*			●		
F3PH*	F3PV*			●	1-color LED (PNP output) (Made to order)	3-wire
F2YH*	F2YV*			●	2-color	2-wire
F3YH*	F3YV*		●	LED	3-wire	
* Lead wire length						
Blank	1 m (standard)					
3	3 m (option)					
E Switch quantity						
R	1 on rod side					
H	1 on head side					
D	2					
F Option						
A	Side mounting					
R	Rear piping					

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