

Twin rod cylinder Double acting/standard

Long service life cylinder

STR2-^M_B-P4/P40-HP1 Series

● Bore size:ø6/ø10/ø16/ø20/ø25/ø32

JIS symbol



Specifications

Item		STR2-M-P4/P40-HP1 (metal bush bearing) STR2-B-P4/P40-HP1 (ball bearing)					
Bore size mm		ø6	ø10	ø16	ø20	ø25	ø32
Actuation		Double acting					
Working fluid		Compressed air					
Max. working pressure MPa		0.7					
Min. working pressure MPa		0.2	0.15		0.1		
Proof pressure MPa		1.05					
Ambient temperature °C		-10 to 60 (no freezing)					
Port size		M5					Rc1/8
Stroke tolerance mm		+2.0					
		0					
Adjustable stroke rangemm		0 to -5					
Working piston speedmm/s		50 to 500					
Non-rotating accuracy	STR2-M	±0.4°		±0.3°		±0.2°	
	STR2-B	±0.2°		±0.1°		±0.3°	
Piston rod	STR2-M	Metal bush bearing					
Bearing	STR2-B	Ball bearing					
Cushion		Rubber cushion					
Lubrication		Not available					
Allowable absorbed energy J	PUSH	0.008	0.061	0.181	0.303	0.68	1.3
	PULL	0.059	0.083	0.083	0.127	0.237	0.311

Stroke

Bore size	Stroke (mm)	Max. stroke (mm)	Min. stroke (mm)	Min. stroke with switch
ø6	10, 20, 30, 40, 50	50	5	10
ø10				
ø16	10, 20, 30, 40, 50 60, 70, 80, 90, 100	100		
ø20				
ø25				
ø32				
		*1		

*1: In the case of rear piping:

- ø16:70
- ø20/ø25:60
- ø32:50

*2: Custom stroke

Available in 1 mm increments.

However, the total length is the same as that of the next longer standard stroke.

Refer to the STR2-^M_B Series in "Pneumatic Cylinders II (No.CB-030SA)" for dimensions.

STR2-^M_B-P4/P40-HP1 Series

How to order

How to order

Without switch (built-in magnet for switch)

STR2 - M - 16 - 30 - R - P4 - HP1

With switch (built-in magnet for switch)

STR2 - M - 16 - 30 - SW51 - R - R - P4 - HP1

Model No.

A Bearing

B Bore size

C Stroke

*2

■ The custom stroke is available in 1 mm increments.

D Switch model No.

*3

E Switch quantity

F Option

*4

Code	Description		
A Bearing			
M	Metal bush bearing *		
B	Ball bearing		
B Bore size(mm)			
6	ø6		
10	ø10		
16	ø16		
20	ø20		
25	ø25		
32	ø32		
C Stroke(mm)			
Bore size	Stroke	Available Stroke	Intermediate Stroke
ø6	5 to 50	100	In 1 mm increments
ø10	5 to 50		
ø16	5 to 100	150	
ø20	5 to 100		
ø25	5 to 100		
ø32	5 to 100		
D Switch model No.			
Refer to the compatibility table on pages 210 to 213 for switch model No.			
E Switch quantity			
R	1 on rod side		
H	1 on head side		
D	2		
F Option			
O	Change piping port position by 180°		
R	Rear piping		

⚠ Precautions for model No. selection

*1: Bearing method M supports P4 specifications with HP1.

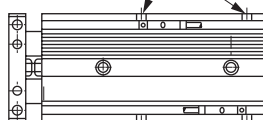
*2: The max stroke of rear piping "R" is:

- ø6, 10: 50 Stroke
- ø16: 70 Stroke
- ø20/25: 60 stroke
- ø32: 50 stroke

*3 : STR2-B-6,10 is not compatible with reed switch.

*4: The piping port positions for "O" are as shown in the figure below.

Piping port positions for standard (blank)



Change piping port position by 180°
(Code: O) piping port

Related products

Speed controller							
Model No.	Appearance	Port size (Rc or R)			Compatible tube O.D.		
		M3	M5	1/8	4 (ø4)	6(ø6)	8(ø8)
SC3W-M5- *-P4			●		●	●	
SC3W-6- *-P4				●	●	●	●

Specify the compatible tube O.D. code for *. Refer to "rechargeable battery compatible Component P4" Series" (No.CC-1226A) for details.

CKD

SCPD3	Long service life cylinder
CMK2	
SCM	
SSD2	
MDC2	
MSD	
MSDG-L	
SMG	
LCR	
LCG	
STM	
STG	
STR2	
SCPD3	Environment-resistant cylinder
CMK2	
SCM	
SCG	
SSD2	
SMG	
LCR	
STG	
STS	Linear Slide Hand
STL	
LSH	
LSHL	
LSHM	
LST	Low-profile long stroke hand
LSTM	
HMC	Wide Parallel Hand
CKW	Chuck
ABP2	Air Booster
SCPD3	Compatible with rechargeable batteries
CMK2	
SCM	
SSD2	
MSD	
MSDG-L	
SMG	
STG	
STM	
LCR	
LCG	
STR2	
LSH	
LSHL	
SCPD3	Supports food mfg. processes
CMK2	
SCM	
SCG	
SSD2	
STG	