

# Sine Rodless Cylinder/Basic Type

# REA Series

ø25, ø32, ø40, ø50, ø63



## How to Order

### Basic type

REA 25 - 300 -

Sine rodless cylinder  
(Basic type)

Bore size

25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm

Stroke (mm)

Refer to "Standard Stroke" below.

### Port thread type

Symbol	Type	Bore size
NII	Rc	25, 32, 40
TN	NPT	50, 63
TF	G	32, 50, 63

Made to Order  
Refer to the table below  
for details.

## Specifications

Bore size (mm)	25	32	40	50	63
Fluid	Air				
Proof pressure	1.05 MPa				
Maximum operating pressure	0.7 MPa				
Minimum operating pressure	0.18 MPa				
Ambient and fluid temperature	-10 to 60°C (No freezing)				
Piston speed (Max.) <sup>Note</sup>	50 to 300 mm/s				
Lubrication	Not required (Non-lube)				
Stroke length tolerance (mm)	0 to 250 st: $^{+1}_0$ , 251 to 100 st: $^{+1.4}_0$ , 1001 st or longer: $^{+1.8}_0$				
Holding force (N)	363	588	922	1,470	2,260

Note) Piston speed above indicates the maximum speed. It takes approximately 0.5 seconds (for one side) after the body moves from the stroke end until it goes through the cushion stroke, while it takes approximately 1 second for both sides.

## Standard Stroke

Bore size (mm)	Standard stroke (mm)	Maximum manufacturable stroke (mm)
25	200, 250, 300, 350, 400, 450, 500, 600, 700, 800	4000
32	200, 250, 300, 350, 400, 450, 500, 600, 700, 800	
40	200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	5000
50	200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	
63	200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	

Note 1) Intermediate stroke is available in 1 mm increments.

Note 2) Strokes over 2000 mm are available as made-to-order. (Refer to -XB11.)

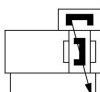
## Weight

Bore size (mm)	25	32	40	50	63
Basic weight	0.71	1.34	2.15	3.4	5.7
Additional weight per each 50 mm of stroke	0.05	0.07	0.08	0.095	0.12

Calculation: (Example) REA32-500 • Basic weight .....1.34 (kg)  
 • Additional weight .....0.07 (kg/50 st) 1.34 + 0.07 x 500 ÷ 50 = 2.04 kg  
 • Cylinder stroke .....500 (st)

### Symbol

Air cushion  
(Magnet type)



Made to Order: Individual Specifications  
(For details, refer to pages 111 and 112.)

Symbol	Specifications
-X168	Helical insert thread specifications
-X206	Additional moving element mounting taps
-X210	Non-lubricated exterior specifications
-X324	Non-lubricated exterior specifications with dust seal

### Made to Order Specifications

Click here for details

Symbol	Specifications
-XB11	Long stroke type
-XC24	With magnet shielding plate
-XC57	With floating joint

Refer to the "Pneumatic Clean Series" (CAT.E02-23) catalog for clean room specifications.

REA

REB

REC

Smooth

Low Speed

MQ

RHC

RZQ