

Rodless Cylinder

Uses flat piston with many merits. Realizes high-speed conveyance in a space-saving design.



Standard Type
SRL3 Series

Full Cowl Type
SRL3-J Series
With dustproof cover resistant to bad environments

With 1-axis Linear Guide
SRG3 Series
With High Precision 1-axis Linear Guide

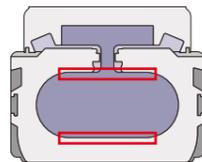
With 2-axis Linear Guide
SRM3 Series
With High Precision 2-axis Linear Guide

With Brake
SRT3 Series
Intermediate stop possible anywhere with long-life brake

Features of the Rodless Cylinder

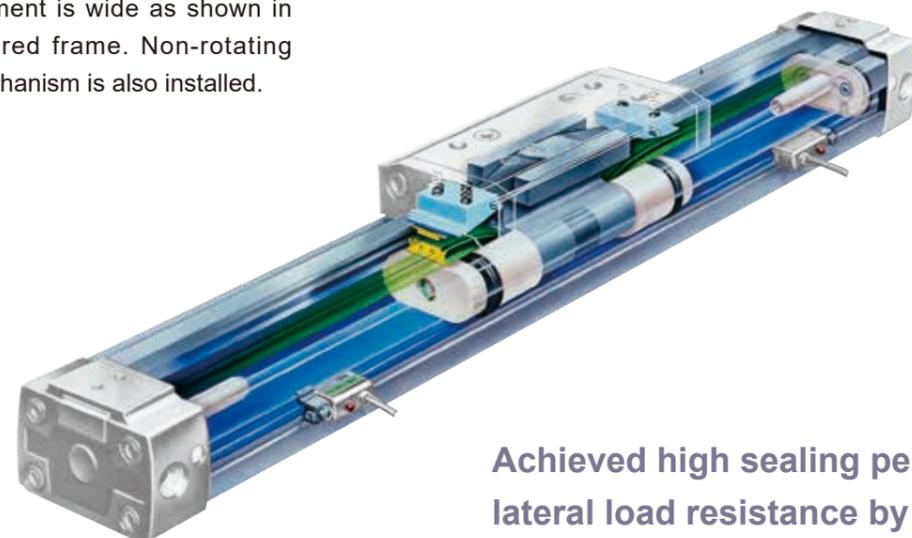
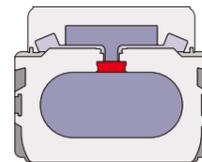
High lateral load resistance

Adopted a structure where the piston is flat and can receive the load. The structure is strong against lateral bending moment because the part receiving the lateral bending moment is wide as shown in the red frame. Non-rotating mechanism is also installed.



High sealing performance

Since the part where the seal belt (red part) contacts is a flat structure, it has higher sealing performance than a round piston.



Achieved high sealing performance and lateral load resistance by adopting flat piston

High speed of up to 2000 mm/sec

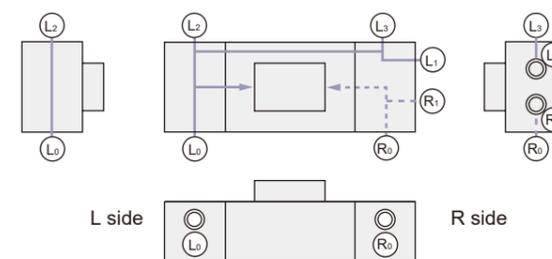
Adopted Piston Packing that withstands high speed (maximum 2000 mm/s).

Long stroke

Long stroke up to 5000 mm is supported. (Excluding some models)

High installability

Depending on the installation location of the cylinder, centralized port (one-way piping) and standard port (both sides piping) can be selected.



Lock mechanism mountable

It is possible to install a lock mechanism at the stroke end. (Q type of SRL3/SRM3)

Space-saving

It is space-saving in the stroke direction compared to general cylinders.

General Type Cylinder



SRL3



Up to 39% space saving

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100 or equiv.

Variation / Model No.	Bore Size (Equivalent)										Listed Page
	ø12	ø16	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100	
Basic type SRL3 Series 	●	●	●	●	●	●	●	●	●	●	10
Space-saving Basic Type											
Resin Guide Type SRL3-G Series 	●	●	●	●	●	●	●	●	●	●	28
With Simple Resin Guide											
Standard / Fall Prevention Type SRL3-Q Series 	●	●	●	●	●	●	●	●	●	●	42
Basic Type with Fall Prevention Function											
Resin Guide / Fall Prevention Type SRL3-GQ Series 	●	●	●	●	●	●	●	●	●	●	58
With Simple Resin Guide and Fall Prevention Function											
Full Cowl Type SRL3-J Series 				●	●	●	●	●			70
With Dustproof Cover											
High Precision Guide Type (With 1-axis Linear Guide) SRG3 Series 	●	●	●	●							116
With High Precision Guide											
High Precision Guide Type (With 2-axis Linear Guide) SRM3 Series 				●	●	●		●			146
With High Precision Guide											
High Precision Guide / Fall Prevention Type (With 2-axis Linear Guide) SRM3-Q Series 				●	●	●	●	●			146
High Precision Guide with Fall Prevention Function											
With Brake Type SRT3 Series 	●	●	●	●	●	●	●	●			178
With Brake											

Rodless Type

Overview

High load capacity and long service life. A rodless cylinder capable of high-speed drive. The series ranges from ø12 to ø100 equivalent, with abundant variations.

Features

Flat Cylinder

Adopted a structure where the piston is flat and can receive the load. Excellent load resistance, and also equipped with a rotation stop mechanism.

Seal Belt

Since the seal part is made straight, sealing performance has been further improved.

Magnet Standard Equipment

Switch can be mounted directly on the standard type.

Adopted High Speed Packing

Adopted Piston Packing that can withstand high speeds.

Centralized Port

Depending on the installation location of the cylinder, centralized port (one-way piping) and standard port (both sides piping) can be freely selected. Equipment can be made compact.



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