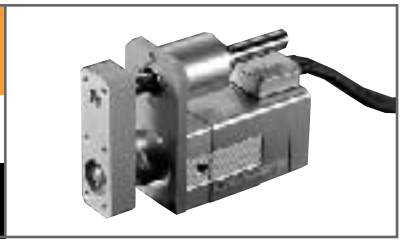
RCS-RB7535-150-GS

ROBO Cylinder Rod Type: Unit Width 75mm
150W, Short Shape w/ Single Guide

Type: Rod (75mm wide) w/ single guide | Stroke: 100~300mm | Load capacity: 35kg (horizontal)/13.5kg (vertical)



■ Model specification items — Series — Type — Encoder type — Motor — Guide type — Speed type — Stroke — Cable length — Options

(Example) RCS - RB7535- I - 150 - GS1 - H - 300 - S - B

* Refer to page 37 for the details of model specification items.

Model/Specifications

Model	Encoder type	Motor (W)	Lead (mm)	Stroke 50mm increments (mm)	Speed (mm/s) (Note 1)	Load capacity (Note 2)		Rated thrust (N)
						Horizontal (kg)	Vertical (kg)	
RCS-RB7535-I-150-GS◎-H-★★★-△-□	Incremental	150	16	100~300	1~800	15	5.5	158.8
RCS-RB7535-I-150-GS◎-M-★★★-△-□			8		1~400	35	13.5	318.5

* In the above model names, ◎ indicates the guide installation direction, *** the stroke, △ the cable length, and □ the applicable options.

Options

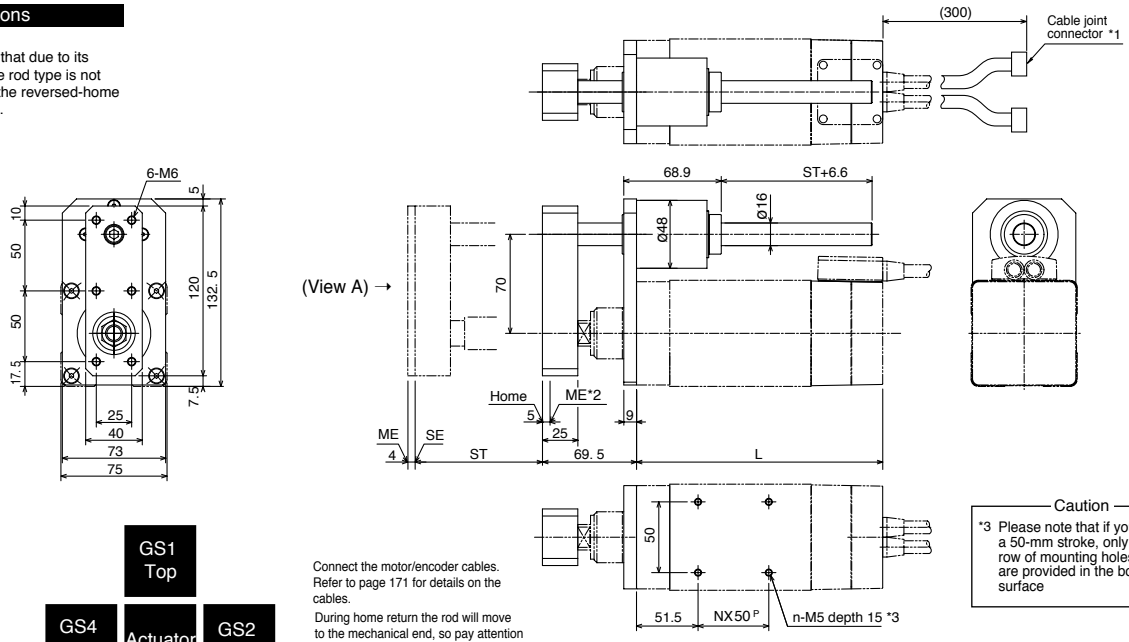
Name	Model	Page
Different connector-cable outlet direction	A1~A3	→P137
Brake	B	→P137
With foot bracket	FT	→P139

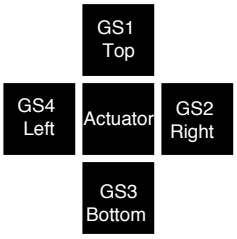
Common Specifications

Drive system	Ball screw ø12mm, rolled C10
Positioning repeatability	±0.02mm
Backlash	0.05mm or less
Guide	Ball bush guide x 1 (externally attached)
Rod diameter	ø35mm
Rod non-rotational accuracy	±0.1°
Base	Material: Aluminum with white alumite treatment
Cable length (Note 3)	P: 1m, S: 3m, M: 5m, X□□: Length specification, R□□: Robot cable

Dimensions

* Please note that due to its structure, the rod type is not available in the reversed-home specification.





Guide installation direction (View A)

Connect the motor/encoder cables. Refer to page 171 for details on the cables.

During home return the rod will move to the mechanical end, so pay attention to prevent contact with surrounding parts.

SE: Stroke end
ME: Mechanical end

■ Dimensions and Weight by Stroke

Please note that this model is not offered in a 50-mm stroke specification.

Stroke	100	150	200	250	300
L	183	233	283	333	383
N	–	1	2	3	4
n	2	4	6	8	10
Weight (kg)	4.5	5.0	5.5	6.0	6.6

Applicable Controller Specifications

Applicable Controller	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Power supply voltage	Page
RCS-C	1 axis	Incremental	X	O	X	AC100/200V	→P163
E-Con	1 axis	Incremental	X	O	X	AC100/200V	Refer to the separate catalog.
P-Driver	1 axis	Incremental	X	X	O	AC100/200V	
X-SEL	4 axes	Incremental	O	△	X	AC100/200V	

⚠ Caution

((Note 1) The load capacity is based on operation at an acceleration of 0.3G for the H type and 0.2 G for the M type (each represents the maximum acceleration for the applicable type).If no guide is used, refer to the correlation diagrams of allowable tip load and traveling life on page 132.
(Note 2) The maximum cable length is 15 m. Specify the desired length in meters (e.g., X08 = 8 m).

* Refer to page 23 for other points to note.