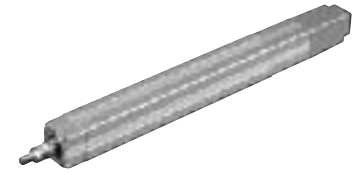


RCS-RA35-GN

ROBO Cylinder Rod Type: Unit Width 35mm, 20W, Slim Shape w/o Guide



Type	Rod (35mm wide) w/o guide	Stroke	50~150mm	Load capacity	18kg (horizontal)/6.5kg (vertical)
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Model specification items Series Type Encoder type Motor Guide type Speed type Stroke Cable length Options
 (Example) RCS -RA35- I - 20 - GN - H - 150 - S - FT

* 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)	Load capacity (Note 1)		Rated thrust (N)
						Horizontal (kg)	Vertical (kg)	
RCS-RA35-I-20-GN-H-***-△-□	Incremental	20	10	50~150	1~500	4	1	34.3
RCS-RA35-I-20-GN-M-***-△-□			5		1~250	9	3	67.7
RCS-RA35-I-20-GN-L-***-△-□			2.5		1~125	18	6.5	136.4

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

Options

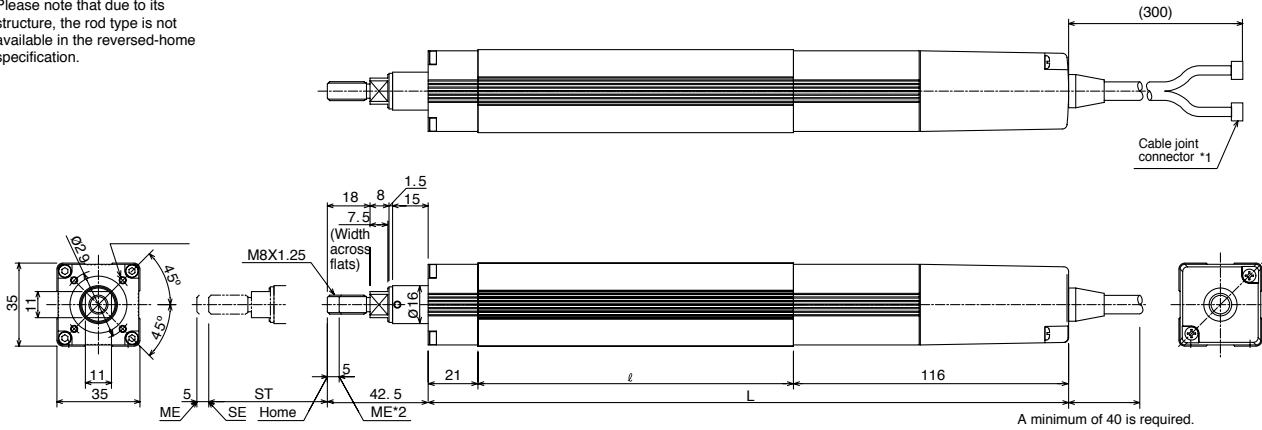
Name	Model	Page
With flange	FL	→P138
With foot bracket	FT	→P139

Common Specifications

Drive system	Ball screw Ø8mm, rolled C10
Positioning repeatability	±0.02mm
Backlash	0.05mm or less
Guide	w/o guide
Rod diameter	Ø16mm
Rod non-rotational accuracy	±0.7°
Base	Material: Aluminum with white alumite treatment
Cable length (Note 2)	P: 1m, S: 3m, M: 5m, X□□: Length specification, R□□: Robot cable

Dimensions

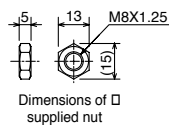
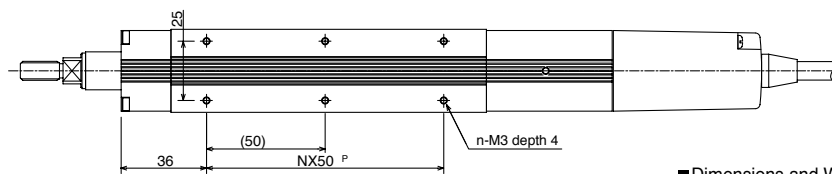
* Please note that due to its structure, the rod type is not available in the reversed-home specification.



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

*2 During home return the slider will move to the ME, so be careful to prevent contact with surrounding parts.

SE: Stroke end
ME: Mechanical end



Dimensions and Weight by Stroke

Stroke	50	100	150
ℓ	133	183	233
L	270	320	370
N	2	3	4
n	6	8	10
Weight (kg)	0.8	1.0	1.2

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	24VDC	→P163
RCS-E	1 axis		X	O	X	24VDC	→P163



(Note 1) The load capacity is based on operation at an acceleration of 0.3 G (or 0.2 G for the L type). The horizontal load capacity assumes a condition where a guide or guides are used to prevent the rod from receiving radial loads.
 (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.