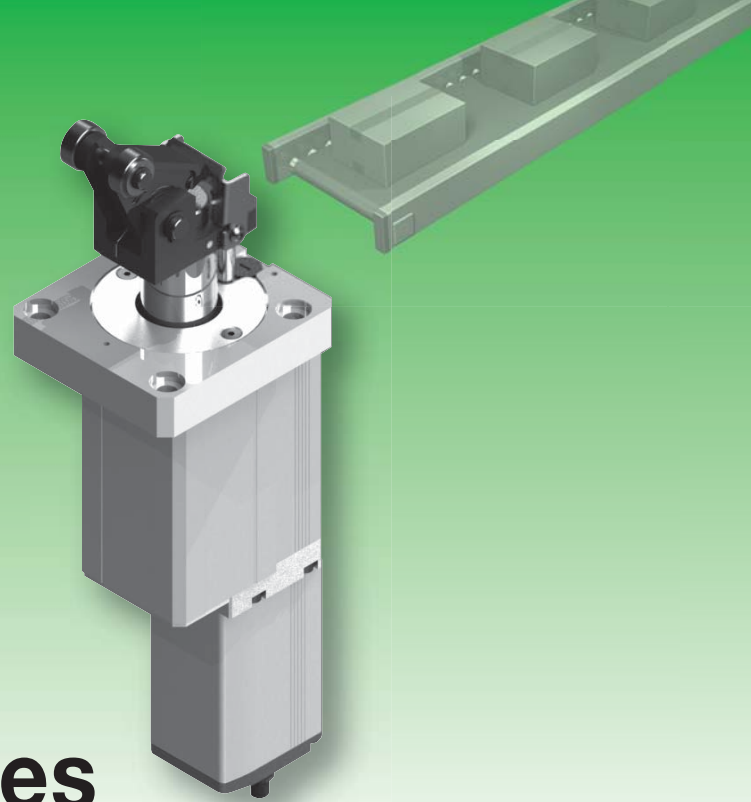


ROBO Cylinder That Is Designed and Dedicated for Stopping a Moving Product on a Conveyor.

Stopper Cylinder

RCP4-ST series



Product Features

1. Suitable for stopping moving product on a roller conveyor without the use of air.
2. The capability of stopping a moving product with a maximum weight of 150kg

Models

Work Piece Impact Mass	Model
80kg	RCP4-ST68E
150kg	RCP4-ST615E

Options

Name	Option Code
Cable exit direction (Front)	CJT
Cable exit direction (Left)	CJL
Cable exit direction (Right)	CJR
Cable exit direction (Back)	CJB
Protective cover specification	CO
Non-motor end specification	NM

Controller

*Please contact IAI for Recent Controller models

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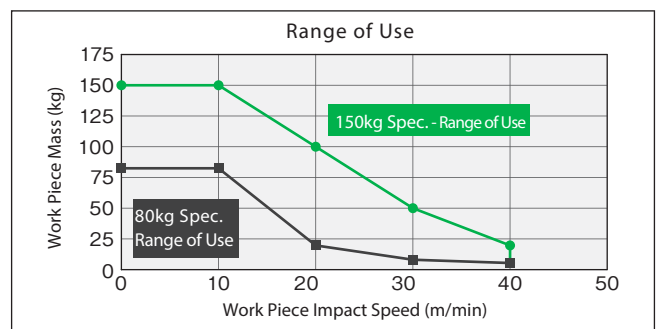
Performance/Specifications

Stroke	30mm
Max. Speed	65mm/s
Max. Acceleration	0.2G
Weight	3.4kg
Positioning Repeatability	±0.5mm
Max. Work Piece Weight	ST615E : 150kg ST68E : 80kg
Work Piece Impact Speed	40m/min (660mm/sec) at Maximum
Installation Orientation	Vertical (rod oriented upside only) *1
Connection Cable	CB-CA-MPA□□□
Life (Reference) *2	(Number of impact) Body: 5 million times Shock absorber (Maintenance parts): 1 million times
Operating Temperature	0°C ~ 40°C (Ambient temperature)
Operating Humidity	Max. 85% (non-condensing) (Ambient temperature)

*1 Horizontal / horizontally oriented wall mount or ceiling mount not available.

*2 The product life may vary depending on the condition and environment of use or maintenance conditions (oil supply, cleaning).

Correlation Graph of Work Piece Mass and Work Piece Impact Speed



Model Specification Items

Example)

RCP4 — ST615E — I — 42P — N — 30 — P3 — S — CJT

Series	Type	Encoder Type	Motor Type	Lead	Stroke	Applicable Controllers	Cable Length	Option
Stepper Motor Standard Spec.	ST68E: 60mm (Body Width) 80kg Type ST615E: 60mm (Body Width) 150kg Type	I : Incremental	42P : Stepper Motor 42□size	N : None	30mm	P3 : PSEP MSEP PCON-CA	N : None P : 1m S : 3m M : 5m X□ : Specified length R□ : Robot cable	CJT : Cable exit direction (Front) CJL : Cable exit direction (Left) CJR : Cable exit direction (Right) CJB : Cable exit direction (Back) CO : Protective cover specification NM : Non-motorendspecification

Dimensions

※1 Connect Motor Encoder Cable.

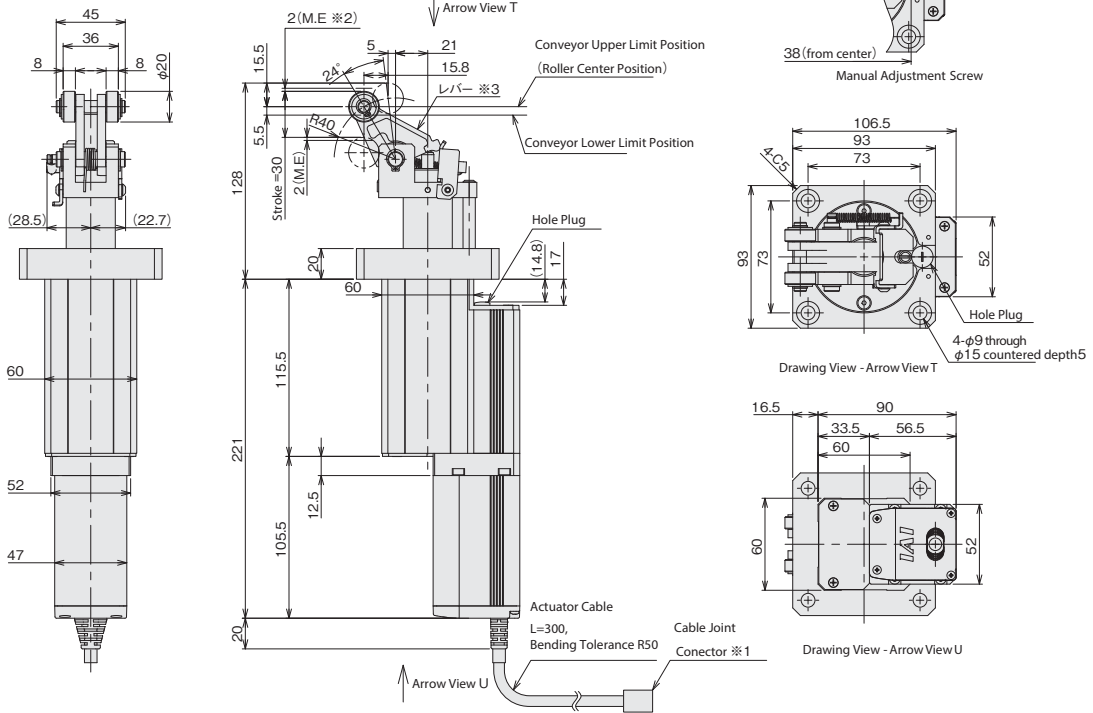
※2 The ascending direction of the rod is the home position if the home position is in standard.
The descending side of the rod is the home position if the home position is reversed.

※3

Proximity sensor specification to confirm the lever position is compatible by Special order.

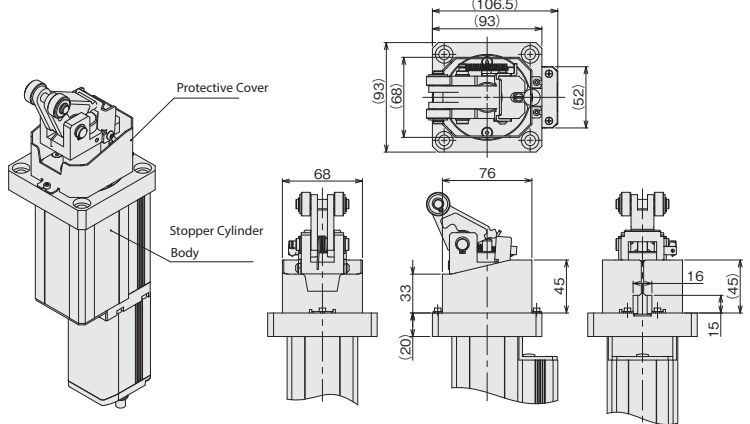
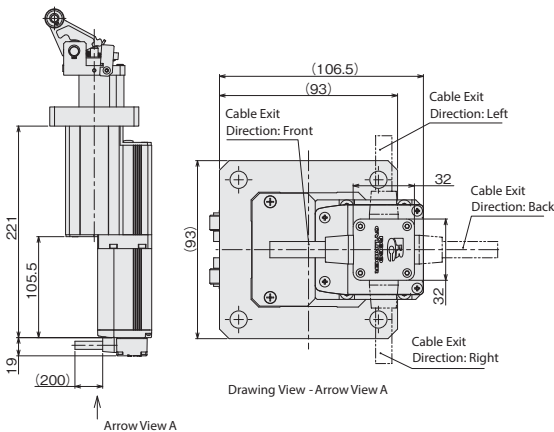
Manual Adjustment Screw

(Hexagonal hole, diagonal3mm)



Options of Cable Exit Direction

Protective Cover Specification



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