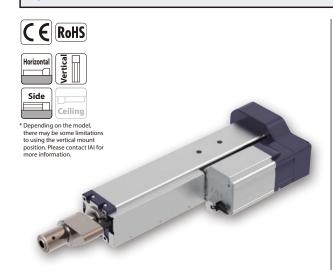
(Servo press specification) Battery less Motor 200_V Unit 110 AC Servo Motor Absolute Type RCS3 - RA10R -WA 400 2.5 **T2** Specification Encoder Type Motor Type Items Options Refer to Options table WA: Battery-less 400: Servo 2.5: Lead 2.5mm 100: 100mm T2: SCON-CB/ below. * Specify cable exit direction (CJT/CJB/CJO). For side-mounted motor Absolute motor CGB : 1m : 3m 400W 500: 500mm Does not include a controller. Please contact IAI for more information about the model specification items. (Every 50mm) X□□: Specified length type, specify the moun direction (ML/MR). does not include the width of the side-mount R□□: Robot cable



■ Correlation Diagram of Push Force and Current Limit Value



- The correlation between push force and push command value are strictly for reference purposes, Actual numbers may vary slightly.
- The push command value should be 20% or more because the push force will be unstable when the push command value is low.



- (1) For push-motion operation, check the allowable time period of continuous push-motion set with a different thrust force. Also, please check that the allowable continuous operational thrust force for the actual push cycle is less than the allowable continuous operational thrust force. (Even if there is no push motion) Please refer to P.28 for more information.
- (2) Customer's tooling is to be mounted on the load cell itself. In case any radial or moment load is applied to the load cell, please consider adding the external guides, etc. to offset those side loads.
- (3) Please install a support block when front mounting or back mounting a horizontally mounted actuator that is 150st or more. (Refer to page 34 "Notes When Installing")
- (4) Servo Press with load cell should not be used for pulling motion. It will damage

Actuator Specifications ■ Lead and Payload ■ Stroke and Max Speed Motor wattage Lead Max. speed Max acceleration Max. payload Rated thrust Max. push force (mm/s) (G) Hariontal lie* | Vertical lies (N) (N)** Model Number 100~500 Lead (mm) RCS3-RA10R-WA-400-2.5-10-T2-20-33 400 2.5 125 0.2 15 15 2713 6000 2.5 125 Legend: Stroke Cable Length Option ** Max. horizontal payload means max. weight on the customer's external guide. ** Max. horizontal payload means max. weight on the customer's external guide. ** Speed limitation applies to push motion. See the manual or contact IAI. (Unit: mm/s)

① Stroke	
① Stroke (mm)	RCS3-RA10R
100	0
150	0
200	0
250	0
300	0
350	0
400	0
450	0
500	0

S capie zengin					
Туре	Cable Code				
	P (1m)				
Standard	S (3m)				
	M (5m)				
5 10 11 11	X06 (6m) ~ X10 (10m)				
Specified length (Standard cable)	X11(11m)~X15(15m)				
(Standard Cable)	X16 (16m)~ X20 (20m)				
	R01(1m) ~R03(3m)				
	R04(4m) ~R05(5m)				
Robot cable	R06(6m) ~R10(10m)				
	R11(11m)~R15(15m)				
	R16(16m)~R20(20m)				

Description

Actuator Specifications

Item

Positioning repeatability

Load cell rated capacity

Loading repeatability (*4)

Drive system

Lost motion

2 Cable Length

③ Options				
Name	Option Code	Reference Page		
Brake	В	See P.35		
Cable exit direction (Top)	CJT	See P.35		
Cable exit direction (Bottom) (*2)	CJB	See P.35		
Cable exit direction (Outside)	C10	See P.35		
Flange (Front)	FL	See P.36		
Foot bracket (*1)	FT	See P.37		
Equipped with load cell (Standard equipment) (*3)	LCT	See P.37		
Motor side-mounted (left)	ML	See P.37		
Motor side-mounted (right)	MR	See P.37		

- (*1) Refer to P. 37 for the number of brackets included.
- (*2) The foot bracket cannot be chosen when you select the actuator whose stroke is 100mm.

 (*3) Please make sure to enter "LCT" in the box of Model Specification Items to select the actuator with
- (*4) Ratio (in percentage) of the load variations caused by the repeated operations to the load cell rated capacity
 (*5) F.S.: Full Scale, the maximum measurable value.

Ball screw 620mm rolled C10

±0.01mm

6000N

0.1mm or less

±0.5% F.S (*5) Ambient operating temp. & humidity 0°C~40°C, 85% RH or less (non-condensing)

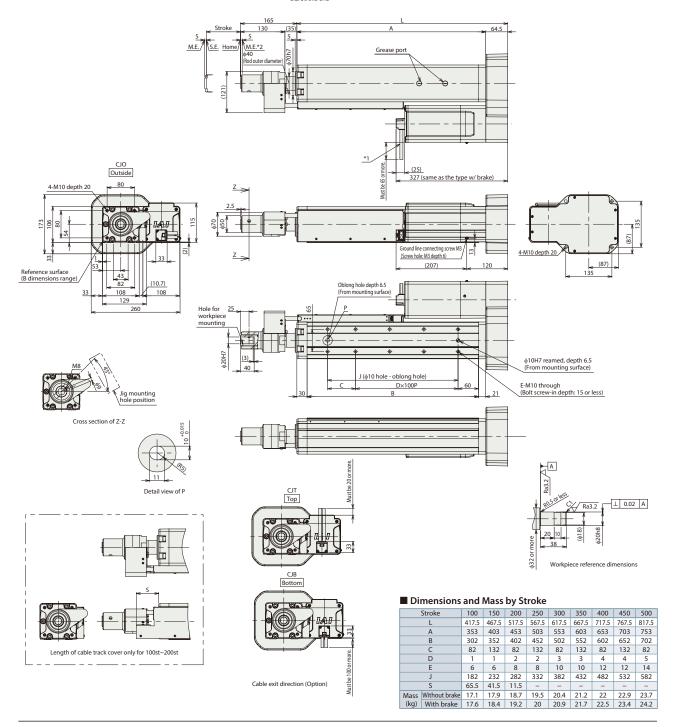
^{*} Please contact IAI for maintenance cables.

Dimensions

CAD drawings can be downloaded from our website. www.intelligentactuator.com



- - *1 Connect the motor-encoder cables. Please contact IAI for more details on the cable.
 *2 While the rod is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the mechanical end.
 M.E: Mechanical end
 - S.E: Stroke end



		xternal Nax. number of connectable axes		Control method						
	External			Positioner	Pulse train	Program	Press program	Network * Option	Maximum number of positioning points	Reference page
SCON-CB/CGB (For servo press only)	The second second	1	Single- phase 200VAC	-	-	-	•	DeviceNet CC-Link GROUP EtherNet/IP GROUP CompoNet	-	Please contact I/ for more information.