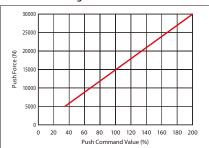
Battery less 5 R (Servo press specification) Motor 200_V 150 mm Unit AC Servo Motor Absolute Type RCS3 - RA15R -WA **- 3300** 3.6 **T3** Specification Items Encoder Type Motor Type Applicable Controlle Options Refer to Options table below. * Make sure to specify MT (Side-WA: Battery-less 3300: Servo 3.6: Lead 3.6mm 100: 100mm T3: SCON-CGB Absolute :1m :3m 500: 500mm 3300W Does not include a controller. (Every 100mm) Please contact IAI for more information about the model specification items. mounted motor on top). X□□: Specified length does not include the width of the side-mount



■ 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 34% 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 pushmotion 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 a horizontally mounted actuator. (Refer to page 34 "Notes When Installing")
- (4) Servo Press with load cell should not be used for pulling motion. It will damage the load cell.
- (5) The maximum payload for vertical mounting is 220kg when using the M5 tapped mounting hole at the tip of the load cell. When using the M8 tapped mounting hole on the side of the load cell tip and fixing with a setscrew, the payload should be 15 kg or less. Use either the M8 or M5 tapped mounting hole but not both.

Actuator Specifications ■ Lead and Payload ■ Stroke and Max Speed Max. payload Rated thrust Max. push force Motor wattage Model Number 100~500 Horizontal (kg)* Vertical (kg) Lead (mm) RCS3-RA15R-WA-3300-3.6-①-T3-②-③ 3.6 240 15 220 15577 30000 3.6 240 * 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-RA15R						
100	0						
200	0						
300	0						
400	0						
500	0						

② Cable Length					
Type	Cable Code				
Standard	P (1m)				
	S (3m)				
(Robot cable)	M (5m)				
Specified length	X06 (6m) ~ X10 (10m)				
	X11(11m)~X15(15m)				
(Robot cable)	X16 (16m)~ X20 (20m)				

- * Please refer to P.49 for maintenance cables.
- * Robot cable specification is standard.

③ Options		
Name	Option Code	Reference Page
Brake	В	See P.35
Cable exit direction (Top)	CJT	See P.35
Cable exit direction (Right)	CJR	See P.35
Cable exit direction (Left)	CJL	See P.35
Equipped with load cell (Standard equipment) (*1)	LCT	See P.37
Side-mounted motor direction (Top)	MT	See P.37

(*1) Please make sure to enter "LCT" in the box of Model Specification Items to select the actuator with
load cell option.

Actuator Specifications						
Item	Description					
Drive system	Ball screw ¢36mm ground					
Positioning repeatability	±0.01mm					
Lost motion	0.1mm or less					
Load cell rated capacity	50000N					
Loading repeatability (*2)	±0.5% F.S (*3)					
Ambient operating temp. & humidity	0°C~40°C, 85% RH or less (non-condensing)					

- (*2) Ratio (in percentage) of the load variations caused by the repeated operations to the load cell rated capacity

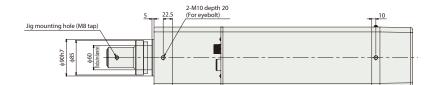
 (*3) F.S.: Full Scale, the maximum measurable value.

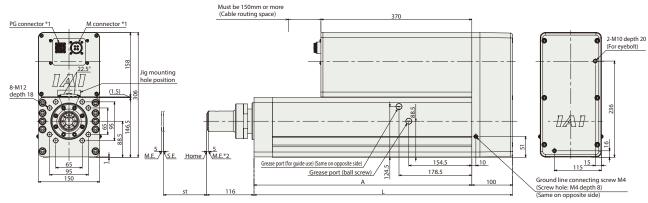
Dimensions

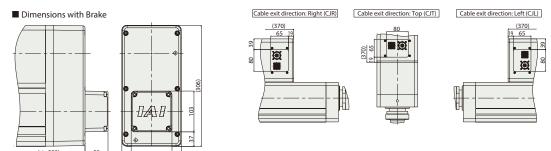
CAD drawings can be downloaded from our website. www.intelligent actuator.com

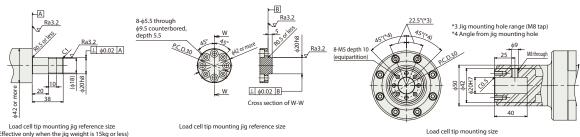


- *1 Connect the motor-encoder cables. Please contact IAI for more details on the cable.
 *2 While the rod is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the mechanical end.
 M.E: Mechanical end S.E: Stroke end









Load cell tip mounting jig reference size (Effective only when the jig weight is 15kg or less)

■ Dimensions and Mass by Stroke

	Stroke	100	200	300	400	500
L		534	634	734	834	934
	Α		534	634	734	834
Mass	Without brake	61	64.9	68.7	72.6	76.5
(kg)	With brake	63	66.9	70.7	74.6	78.5

	Applicable Controllers e RCS3 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use.									
	External view	Max. number of connectable axes	Power supply voltage	Positioner	Control method Positioner Pulse train Program Press program Network*Option			Maximum number of positioning points	Reference page	
SCON-CGB (For servo press only)		1	Three- phase 200VAC	-	-	-	•	DeviceNet CC-Link GROOM Ether CAT TO Ether Net/IP GROOM CompoNet	-	Please contact IAI for more information.