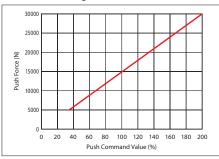
3-RA15R Ultra-high Thrust Rod Type (Servo Press Model with Load Cell) Battery 230_v 150 Absolute Type Model RCS3 — RA15R — WA **- 3300** 3.6 Т3 Specification Cable Length Encoder Type Lead Stroke Applicable Controlle Options : None fer to Options WA: Battery-less T3: SCON-CGB 3300: Servo 3.6: Lead 3.6mm 100: 100mm :1m :3m :5m table below Absolute motor Make sure to specify MT (Side-3300W 500: 500mm 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 Body width does not include the width of the side-mounted moto



■ 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 Model Number 100~500 RCS3-RA15R-WA-3300-3.6-①-T3-②-③ 30000 3.6 3300 15 15577 240 3.6 240 220 Legend: 1 Stroke 2 Cable Length 3 Option ** Max. horizontal payload means max. weight on the customer's external guide (Unit: mm/s)

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

- * Please refer to the backside for maintenance cables.
- * Robot cable specification is standard.

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 ø36mm ground					
Positioning repeatability	±0.01mm					
Lost motion	0.1mm or less					
Load cell rated capacity	50000N					
Loading repeatability (*1)	±0.5% F.S (*2)					
Ambient operating temp. & humidity	0°C~40°C, 85% RH or less (non-condensing)					
(#4) Dati (in a control of the land or intimate and but the control of the land of the						

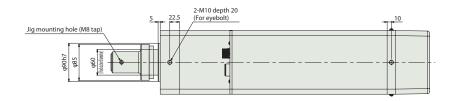
- (*1) Ratio (in percentage) of the load variations caused by the repeated operations to the load cell rated capacity
 (*2) F.S.: Full Scale, the maximum measurable value.

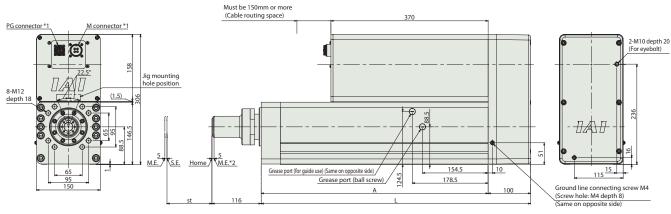
Dimensions

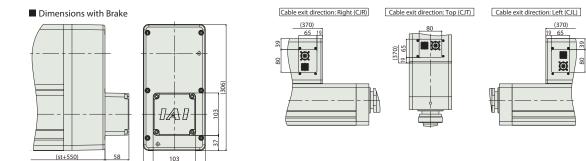
CAD drawings can be downloaded from our website www.robocylinder.de

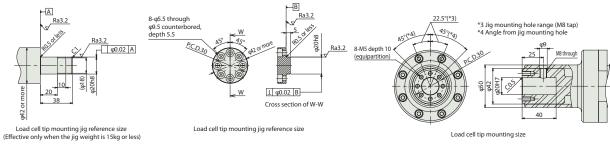


- *1 Connect the motor-encoder cables. Please contact IAI for more details on the cable.
 *2 While the rod is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the mechanical end.
 M.E: Mechanical end
 S.E: Stroke end









■ Dimensions and Mass by Stroke

	Stroke L A		200	300	400	500
			634	734	834	934
			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

	Max. number of		ted below. Please select the type depending on your intended use. Control method						
Name Externa view	connectable axes		Positioner	Pulse train	Program	Press program	Network * Option	Maximum number of positioning points	Reference page
SCON-CGB (For servo press only)	1	Three- phase 230VAC	_	_	_	•	DeviceNet EtherCAT: ETHERCAT: CompoNet CompoNet	-	Refer to the SCON-CB/CGB-F servo press function manual.