

Actuator Specifications Lead and Payload Speed Stroke and Max Speed										Speed
Model Number	Motor wattage (VV)	Lead (mm)	Max. speed (mm/s)		Max. p Horizontal (kg)*			Max. push force (N)**	Lead (mm)	
RCS3-RA7R-WA-100-2-①-T2-②-③	100	2	100	0.3	10	10	849	1200	2	100

① Stroke	
1) Stroke (mm)	RCS3-RA7R
120	0
170	0
220	0
270	0
320	0
370	0
420	0
470	0
520	0

② Cable Length					
Туре	Cable Code				
	<b>P</b> (1m)				
Standard	<b>S</b> (3m)				
	<b>M</b> (5m)				
	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)				
	<b>R16</b> (16m)~ <b>R20</b> (20m)				

\* Please contact IAI for maintenance cables.

Actuator Specifications

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

ltem	Description				
Drive system	Ball screw ø12mm rolled C10				
Positioning repeatability	±0.01mm				
Lost motion	0.1mm or less				
Load cell rated capacity	2000N				
Loading repeatability (*3)	±0.5% F.S (*4)				
Ambient operating temp. & humidity	0°C~40°C, 85% RH or less (non-condensing)				

(\*3) Ratio (in percentage) of the load variations caused by the repeated operations to the load cell

rated capacity (\*4) F.S.: Full Scale, the maximum measurable value.

(\*1) Refer to P. 37 for the number of brackets included.
 (\*2) Please make sure to enter "LCT" in the box of Model Specification Items to select the actuator with load cell option.

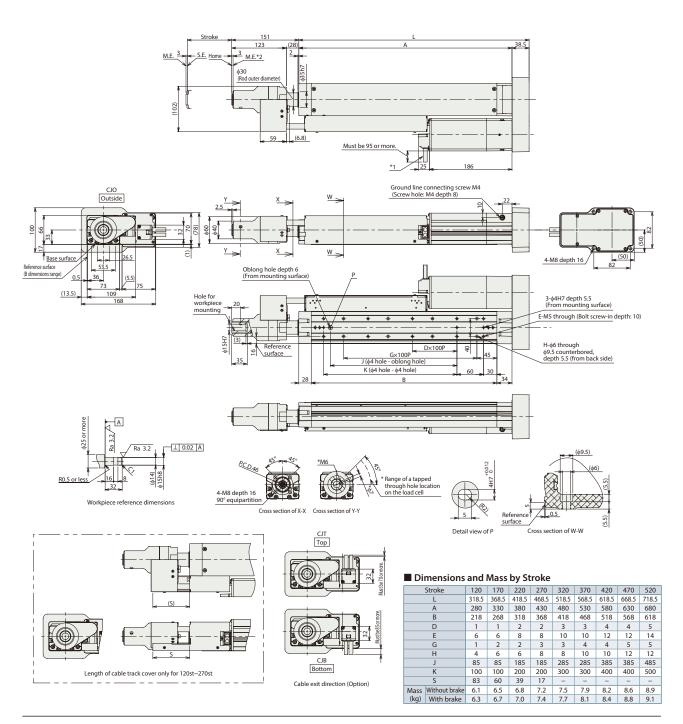
## Dimensions

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



Applicable Controllers he RCS3 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use.										
Name	External view	Max. number of connectable axes	Power supply voltage	Positioner	Control method ositioner Pulse train Program Press Network * Option			Maximum number of positioning points	Reference page	
SCON-CB/CGB (For servo press only)		1	Single- phase 100VAC /200VAC	_	_	-	•	Device\et MECHATROLINK CC-Link EtherCAT BBBB CompoNet	-	Please contact IAI for more information.