

Actuator Specifications Lead and Payload									Stroke and Max Speed		
Model Number	Motor wattage (VV)	Lead (mm)	Max. speed (mm/s)	Max. acceleration (G)	Max. p Horizontal (kg)*	ayload Vertical (kg)	Rated thrust (N)	Max. push force (N)**	Lead (mm)	110~410	
RCS3-RA4R-WA-30-2.5-①-T2-②-③	30	2.5	125	0.5	3	3	126	200	2.5	125	

(1) Stroke	
① Stroke (mm)	RCS3-RA4R
110	0
160	0
210	0
260	0
310	0
360	0
410	0

2 Cable Length				
Туре	Cable Code			
	P (1m)			
Standard	S (3m)			
	M (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)			
	R16(16m)~R20(20m)			

* Please contact IAI for maintenance cables.

③ Options		
Name	Option Code	Reference Page
Brake	В	See P.35
CE compliant	CE	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

Actuator Specifications						
ltem	Description					
Drive system	Ball screw ø8mm rolled C10					
Positioning repeatability	±0.01mm					
Lost motion	0.1mm or less					
Load cell rated capacity	200N					
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.



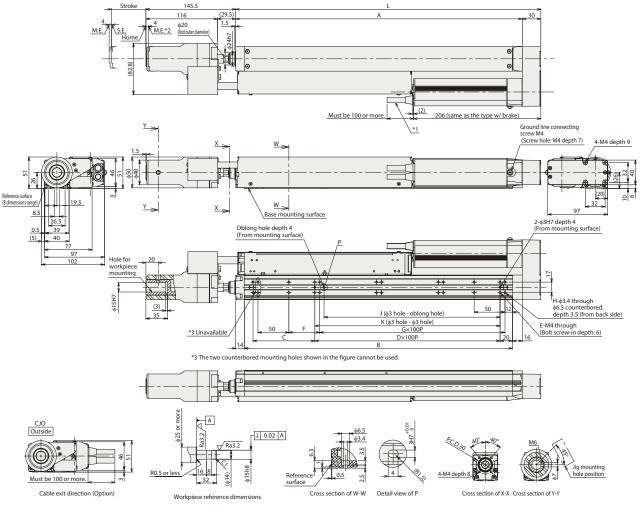


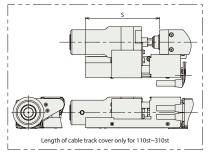
CAD drawings can be downloaded from our website.

2D 3D CAD CAD

*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	110	160	210	260	310	360	410
L		244	294	344	394	444	494	544
A		214	264	314	364	414	464	514
В		184	234	284	334	384	434	484
	С		100	50	100	50	100	50
D		1	1	2	2	3	3	4
E		6	6	8	8	10	10	12
F		100	50	100	50	100	50	100
	G		1	1	2	2	3	3
Н		8	10	10	12	12	14	14
J		85	85	185	185	285	285	385
К		100	100	200	200	300	300	400
	S	120	100	75	50	25	-	-
Mass	Without brake	3.1	3.2	3.4	3.6	3.8	3.9	4.1
(kg)	With brake	3.4	3.5	3.7	3.9	4.1	4.2	4.4

	Max. number of Pow					Со				
	External view	connectable axes	supply voltage	Positioner	Pulse train		Press program		Maximum number of positioning points	Reference page
SCON-CB/CGB (For servo press only)	A Commission of the Commission	1	Single- phase 100VAC /200VAC	_	_	_	•	Device\\eti CC-Link EtherCAT CompoNet	_	Please contact I/ for more information.