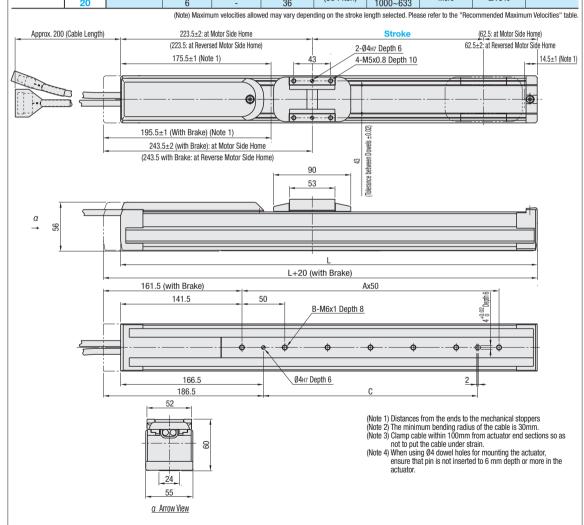
Single Axis Robots RS3 - Straight



See notes on CE Marking. № P.456



Standard	Standard Specifications FAQ 🗷 P.504											
Туре	Lead (mm)	Positioning Repeatability (mm)			Max. Push Force (N)		Max. Velocity (Note) (mm/sec)	Rated Running Life	Input Power Supply	Maximum Positioning Point		
	06		12	4	120	50~800	300~190	10.000 km or	DC24V			
RS3	12	±0.02	8	2	60	(50 Pitch)	600~380	More	±10%	255 points		
	20	1	6		36	(30 FILCH)	1000 622	INIOLE	±1070			



Dimens	ions /	Mass	
			=

Time	Dimensions								Stroke	(mm)							
Туре	/ Mass	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	L (mm)	336	386	436	486	536	586	636	686	736	786	836	886	936	986	1036	1086
	A (mm)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RS3	B (mm)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	C (mm)	100	150	200	250	300	350	400	450	500	500	500	500	500	500	500	500
	Mass (kg)	24	26	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4 4	4.5	47	4.9	5.1	5.3

	A (IIIIII)	S	4	່	U	1	0	9	10	11	12	10	14	10	10	17	10
RS3	B (mm)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	C (mm)	100	150	200	250	300	350	400	450	500	500	500	500	500	500	500	500
	Mass (kg)	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.3
The broke ad	de 0.2 ka to the total	mace															

	Part Nur	nber		Selection		
Туре	Lead (mm)	With or w/o Brake (1)	Controller (§2)	I/O Module	Cable Length (m)	Stroke (mm)
	06			NPN: N	1	
RS3	12	None: Leave blank Included: B	Point Control: C1 Pulse Control: P1 (DC24V ±10%)	PNP: P CC-Link: C	3 5	50~800 (50mm Increment)
	20]	(DOZ44 ±10/0)	DeviceNet: D	(Flexible Cable)	

(🖭)1) Choose the "Brake" option for use in vertical applications. (The brake option is not available for Lead 20) (🖭) When the pulse train type controller is selected, the I/O type selection is not required.



0~40°C, 35~85%RH

(No Condensation)

Part Number	-	Controller	-	I/O Module	-	Cable Length	-	Stroke
RS306B	-	C1	-	N	-	3	-	400
Desce		D4				2		400

Robot Body Price

	Dord							Unit	Price	1 ~ 2 p	oc(s)						
Part Number		Stroke (mm)															
	Number	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	RS3																
	RS3 B																

Control	ller Price		Cable Price	е
Type	I/O Module	Unit Price	Cable Length (m)	Unit Price
	N		1	
C1	P		3	
CI	С		5	
	D		10	
P1	-			

Note
Power interruption circuit is not provided in this controller in order to provide maximum flexibility for customer specific safety scheme. Please be sure to provide an external power interruption circuit and form an emergency stop circuit. For Circuit examples, see EF P.503.

■ Allowable Overhang Load

· Horizontal Use · Wall Mounted Use · Vertical Use

	A A A	C
nm	no m	

					mm					mm				mm
ı	Lead	Mass	Α	В	С	Lead	Mass	Α	В	С	Lead	Mass	Α	С
		12kg	465	39	64		12kg	28	17	338	06	4kg	113	113
	06	10kg	442	47	78	06	10kg	43	26	355	00	2kg	244	245
	00	8kg	480	61	100	00	8kg	64	39	413	12	2kg	224	224
		6kg	573	83	136		6kg	101	62	519	12	1kg	458	459
		8kg	403	56	88		8kg	55	34	305				
	12	6kg	399	76	118	12	6kg	85	55	334				
		4kg	500	118	179		4kg	146	96	449				
		6kg	352	71	104		6kg	71	49	262				
	20	4kg	366	109	148	20	4kg	118	88	309				
		2kg	599	225	291		2kg	262	203	554				

■Allowable Static Moment

· Moment Diagram

	N∙m
MP	MR
38	34
	MP 38

Max. Velocity (mm/sec) • Please confirm the details of the Max. Speeds based on various strokes with Cycle Simulator.

Type	Lead		Stroke (III	550 700 0 (250) 250 0 (500) 500		
Type	(mm)	50~600	650	700	750	800
	06	300 (250)	280 (250)	250	220	190
RS2	12	400~600 (500)	560 (500)	500	440	380
	20	350~1000	933	833	733	633
@Malana ta	() (Earland Earline				

Values in () are for vertical application.

For stroke ranges 650mm or more, ball screws may resonate in certain operation areas (critical speed). In that case, reduce the operation speed by referring to the Max. Velocity shown in the table above.

<Price Example > The prices are for the part numbers on the left

Churches (many)



	(Robot Body Price)				(Cable Pri
E···etc.)	(Grease Type Alteration Charge)	+ (Ho	me Position Alteration Char	ne) =	Total Pr

Alterations	Grease Type Alteration		Handset Terminal Standard Specification	w/ Deadman's Switch		w/ D-Sub Communication Cable	T: Controller C1	Cable for daisy-chain connection Length: 300mm		Main Body Plastic Color Alterations
Code	G	E	Н	D	S	R	T/TP	С	MJ5/KJ3/KJ4	BC
Spec.	Grease is changed to low particle generation grease. (NSK LG2)	onnosite side of the	included.	Deadman's Switch	w / USB Communication	w / USB Communication Cable is included.	I/O Cable is included. Required for NPN/ PNP configurations. Specifications #EP507	A cable to connect multiple controllers. Up to 16 controllers can be connected. Specifications ## P507	MJ5:	Change the actuator plastic parts color to black.

- For optional items, see P507. Pit is more economical to order the optional items as alterations than purchasing them individually. Entering point data requires the handy terminal or the support software. An I/O Cable is required for Parallel Communication I/O Control. Please select the correct I/O cable type for the appropriate controller type.