Single Axis Robots RS3 - Straight

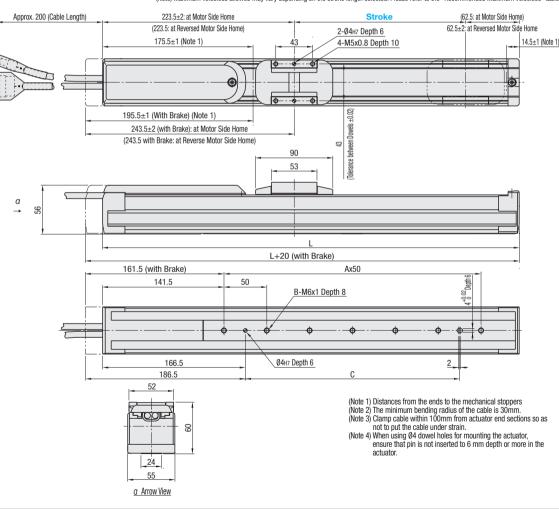
Dedicated Website: http://download.misumi.jp/mol/fa soft.html

Useful Selection Software and Instruction Manuals can be downloaded.



Standard	Specifica	tions FAQ 🍱	P.504							
Туре	Lead				Max. Push Force		Max. Velocity		Input Power	
Турс	(mm)	Repeatability (mm)	Horizontal	Vertical	(N)	(mm)	(Note) (mm/sec)	Running Life	Supply	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		6	-	36	(30 FILCH)	1000~633	IVIOLE	±1070	

(Note) Maximum velocities allowed may vary depending on the stroke length selected. Please refer to the "Recommended Maximum Velocities" table.



Dimens	ions / Mass																
Time	Dimensions								Stroke	e (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)	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

	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	5 10	50~800 (50mm Increment)
	20		(DO24V ±1070)	DeviceNet: D	(Flexible Cable)	

(🖭)1) Choose the "Brake" option for use in vertical applications. (The brake option is not available for Lead 20) (💬2) When the pulse train type controller is selected, the I/O type selection is not required.



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

Robot Body Price

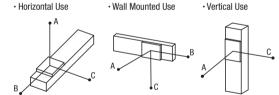
Part							Unit	Price	1 ~ 2 p	oc(s)						
Number								Stroke	(mm)							
Number	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
RS3																
RS3 B																

Control	ler Price		Cable Pric	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 P.503.

> MY MP MR 32 38 34

■ Allowable Overhang Load



				mm					mm				mm
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	06	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				
	01	F00	005	004		01	000	000	EE 4				

oment Diagram	MY 🕶 🦯
	MP
	MR

■Allowable Static Moment

Max. Ve	elocity (mm/	'sec) • Please confirm the det	ails of the Max. Speeds b	ased on variou	s strokes with 0	ycle Simulator.
Time	Lead		Stroke (m	m)		
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

•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. (Robot Body Price) + (Controller Price) + (Cable Price) +

Alterations	Part Number	-	Controller Type	-	I/O Type	-	Cable Length	-	Stroke	-	(G, E···etc.)
Alterations	RS306B	-	C1	-	N	-	3	-	400	-	G-E

(Grease Type Alteration Charge)	+ (Home Position Alteration Charge) =	Total Price

Alterations	Grease Type Alteration	Change of Home Position	Handset Terminal Standard Specification	w/ Deadman's Switch		w/ D-Sub Communication Cable	T: Controller C1	/ \		Main Body Plastic Color Alterations
Code	G	Е	н	D	S	R	T/TP	С	MJ5/KJ3/KJ4	BC
Spec.	Grease is changed to low particle generation grease. (NSK LG2)	The home position is relocated to the opposite side of the motor.	included.	Deadman's Switch	Support Software w / USB Communication Cable is included. Specifications war P.503, 507	Cable is included.	I/O Cable is included. Required for NPN/ PNP configurations. Specifications BST P.507	A cable to connect multiple controllers. Up to 16 controllers can be connected. Specifications #== P.507	MJ5:	Change the actuator plastic parts color to black.

• For optional items, see P.507. This 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