Single Axis Robots RS2 - Motor Folded -

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

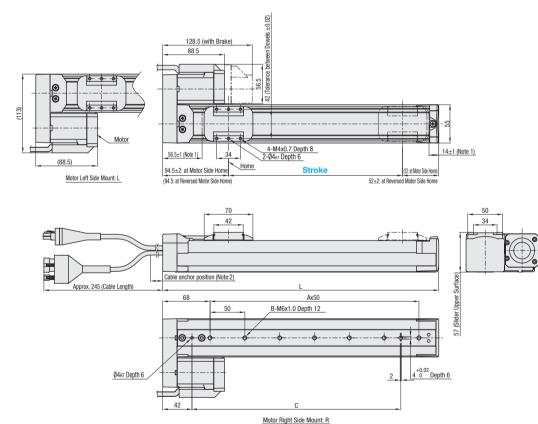
Useful Selection Software and Instruction Manuals can be downloaded.

?See notes on CE Marking. № P.456



Standard	Specifica	tions FAQ 🛭	F P.504							
Туре	Lead (mm)	Positioning Repeatability (mm)			Max. Push Force (N)	Stroke (mm)	Max. Velocity (Note) (mm/sec)	Rated Running Life	Input Power Supply	Maximum Positioning Point
	06		10	2	90	E0 000	300~190	10.000 km or	DC24V	
RS2	12	±0.02	6	1	45	50~800 (50 Pitch)	600~380	10,000 km or More	±10%	255 points
	20		4	-	27	(30 FILCII)	1000~633	INIOLE	±1070	

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



- Note 1. Distances from the ends to the mechanical stoppers
- Note 2. The cables should be tied down within 80mm from the ends of the unit avoiding any stress to the cables
- Note 3. The minimum bending radius of the cable is 30mm.
- Note 4. These masses are for units without brakes. With brakes, they are 0.2kg heavier.
- Note 5. When the stroke is 600mm or more, the resonance of ball screws may occur according to the operating area (critical speed).

 In such cases, reduce the programmed operational speeds by referring to the maximum velocities shown in the table on the left.
- Note 6. Belt cover is not right-left symmetrical. If the motor mounting orientation is changed, the belt cover can not be reinstalled.

Stroke (mm) 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 196.5 246.5 296.5 346.5 396.5 446.5 496.5 546.5 596.5 646.5 696.5 746.5 796.5 846.5 896.5 946.5 A (mm) B (mm) 6 7 8 9 10 11 12 13 14 15 16 17 100 150 200 250 300 350 400 450 500</th

	Part Num	ber	Selection							
Туре	Lead (mm)	With or w/o Brake (1)	Motor Mounting Direction	Controller (?2)	I/O Module	Cable Length (m)	Stroke (mm)			
	06		_	Point Control: C1	NPN: N	1 2				
RS2	12	None : Leave blank	Right Side Mount: R Left Side Mount: L	Pulse Control: P1	PNP: P CC-Link: C	5	50~800 (50mm Increment)			
	20			(DC24V ±10%)	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.



g	Part Number	-	Motor Mounting Direction	-	Controller	-	I/O Module	-	Cable Length	-	Stroke
е	RS206B	-	L	-	C1	-	N	-	3	-	400
	RS206B	_	L	_	P1			_	3	_	400

Robot Body Price

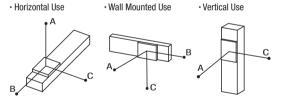
								Unit	Price	1 ~ 2 p	oc(s)						
Part Numbe	er								Stroke	(mm)							
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
RS2																	
RS2	В																

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	-				

Mote 1

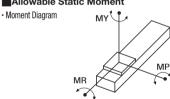
Power interruption circuit is not provided in this controller in order to provide maximum flexibility for customer specific safety scheme. Please he sure to provide an external power interruption circuit and form an emergency stop circuit. For Circuit examples, see F P.503.

Allowable Overhang Load



				mm					mm				m
Lead	Mass	Α	В	С	Lead	Mass	Α	В	С	Lead	Mass	Α	С
	10kg	344	29	62		8kg	47	22	355	06	2kg	148	148
06	8kg	332	37	79	06	6kg	76	35	377	00	1kg	312	312
	4kg	503	78	165		4kg	134	63	496	12	1kg	286	286
12	6kg	335	47	95	12	6kg	63	31	263	12	0.5kg	578	579
12	4kg	347	72	139	12	4kg	109	57	300				
20	4kg	334	67	120	20	4kg	92	51	265				
20	2kg	413	139	9 218	20	2kg	192	123	372				

■ Allowable Static Moment



MY	MP	MR
25	33	30

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

Type	Lead	Stroke (IIIIII)									
Type	(mm)	50~600	650	700	750	800					
	06	300	280	250	220	190					
RS2	12	400~600	560	500	440	380					
	20	350~1000	933	833	733	633					

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

<Price Example> The prices are for the part numbers on the left. (Robot Body Price) + (Controller Price) + (Cable Price) +



Alterations	Grease Type Alteration	Change of Home Position	Handset Terminal Standard Specification	w/ Deadman's Switch	Support Software w/ USB Communication Cable Communication Specifications: RS230C	w/D-Sub Communication Cable	T: Controller C1	chain connection	Instruction Manual MJ5: Body KJ3: Controller (C1) KJ4: Controller (P1)	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)	The home position is relocated to the opposite side of the motor.	Handset Terminal is included. Specifications ENT P.503, 507	Handset Terminal w/ Deadman's Switch is included.	Communication Cable is	Support Software w/ D-Sub Communication Cable is included. Specifications ENT. DE07	I/O Cable is included. Required for NPN/PNP configurations. Specifications PST P507	multiple controllers. Up to 16 controllers. can	For Actuator MJ5: For Controller KJ3:	Change the actuator plastic parts color to black.

■Dimensions / Mass

Mass (kg)