Single-Axis Robot Medium Nut Rotation Type Main Unit Width 125mm 200W Vertical Type Single Slider NS — MZMS — — — 200 — — — — T2 — — AQ — B — RT Series Type Encoder Type Motor Type Lead Stroke Applicable controller Cable Length A Absolute 1: Incremental 200: 200W 20: 20 mm 500: 500mm T2: SCON N No See the options table below XSEL-P/Q M.5m XCID.Length Specified

Model/Specification

		Motor						Acceleration (Note 1)			Payload capacity (Note 1 & 2)			
Model	Encoder Type	Output	Lead (mm)	Stroke (mm)	Speed (mm/s)	Horizontal (G)	Vertic	al (G)	Horizon	tal (kg)	Vertica	al (kg)	Rated Thrust (N)	
	.,,,,,	(W)	()	()	()	Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	(,	
NS-MZMS- 0 -200-20- 2-12	Absolute Incremental	200	20	500~800	1000	Vertical Only	0.3	0.5	Vertica	l Only	6	3	170.9	

*In the model above, ①indicates the type of encoder, ②indicates the stroke, ③indicates the cable length, and @indicates the option.

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P5	Standard Equipment
Brake (*)	В	→P5	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P5	Enter CT1 for standard installation
Guide with Ball-Retaining Mechanism	RT	→P6	Standard Equipment

(*) A brake box is attached for powering the brake.

(For details, see page 21)

Common specifications

Driving Method	Ball Thread, Diameter φ16 mm, Equivalent to Rolled C5					
Repeated Positioning Accuracy	+/- 0.01 mm					
Backlash	0.02 mm or less					
Guide	Integrated to Base					
Dynamic Allowable Moment (Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 81.3N·m					
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less					
Base	Material: Aluminium, White Alumite Treatment					
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X□□: Length specified					
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)					

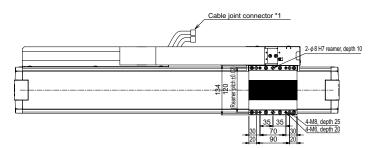
Dimensional drawing

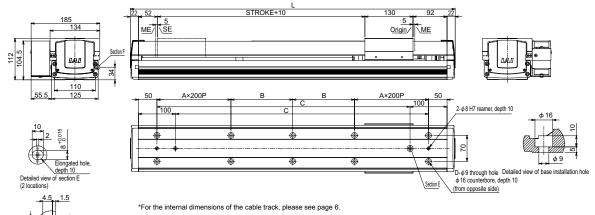




*1 Connects motor cables and encoder cables. For details on cables, please see page 22.

SE: Stroke End ME: Mechanical End





Detailed view of section F (T-slot in base)

Stroke	500	600	700	800	
L	828	928	1028	1128	
Α	1	1	1	1	
В	142	192	242	292	
С	634	734	834	934	
D	10	10	10	10	
Mass (kg)	13.5	14.8	16.0	17.2	

Applicable Controller Specifications

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Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage	
X-SEL-P/Q	6 axis		Programs	Three-Phase/ Single-Phase 200VAC	
SSEL	2 axis	Absolute/ Incremental	Programs	Single- Phase	
SCON	1 axis		Positioner Pulse Train Control		



(Note 1) For the relationship between acceleration and payload capacity, see page 4. (Note 2) The values shown are payload capacities during operation at maximum speed. (Note 3) For a 10,000-km running life.

(Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)