



View X-X

Unit: mm

Ball screw specification		
Shaft dia. x Lead / Direction of turn	12 x 2 / Right	
Ball recirculation	Deflector	
Ball dia. / Ball circle dia.	1.200 / 12.3	
Root dia.	11.0	
Effective turns of balls	1 x 3	
Accuracy grade / Axial play code	Ct7/S	
Basic load rating (N)	Dynamic C_d	1350
	Static C_{0a}	3190
Axial play		0.020 or less
Dynamic friction torque (N·cm)		~1.0
Spacer ball		None
Factory pre-packed grease		Refer to the remarks 2.

Unit: mm

Ball screw No.	Stroke		Screw shaft length	
	Nominal	Maximum (L_1 - Nut length)	L_1	L_2
RMA1202C7S-250	150	162	190	250
RMA1202C7S-350	250	262	290	350

Lead accuracy			Shaft run-out**	Mass (Kg)	Permissible rotational speed N (min ⁻¹)
Target compensation T	Deviation e_p	Variation v_{300}			
0	0.060	0.052	0.070	0.26	3000
0	0.085	0.052	0.100	0.34	3000

- Remarks
1. We recommend NSK support unit WBK10-01A (square type, fixed support side) and WBK10-11 (round type, fixed support side).
 2. Only rust preventive oil is applied at time of delivery. Please apply lubricant (oil or grease) before use.
 3. Permissible rotational speed is determined by a $d \cdot n$ value and a critical speed. See page B509.
Root diameter of screw shaft (dr) is 10.9 mm.