



View X-X

Unit: mm

Ball screw specification		
Shaft dia. x Lead / Direction of turn	10×2/Right	
Ball recirculation	Deflector	
Ball dia. / Ball circle dia.	1.200/10.3	
Root dia.	9.0	
Effective turns of balls	1×3	
Accuracy grade / Axial play code	Ct7/S	
Basic load rating (N)	Dynamic $C_d$	1210
	Static $C_{0a}$	2510
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.

B  
250

Ball screw No.	Stroke		Screw shaft length	
	Nominal	Maximum ( $L_1$ - Nut length)	$L_1$	$L_2$
<b>RMA1002C7S-250</b>	150	173	201	250
<b>RMA1002C7S-350</b>	250	273	301	350

Lead accuracy			Shaft run-out**	Mass (Kg)	Permissible rotational speed N (min <sup>-1</sup> )
Target compensation $T$	Deviation $e_p$	Variation $v_{300}$			
0	0.085	0.052	0.070	0.19	3000
0	0.085	0.052	0.100	0.25	3000

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- Remarks 1. We recommend NSK support kit WBK08-01A (square type, fixed support side) and WBK08-11 (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 8.9 mm.