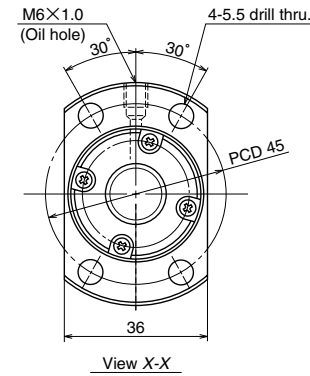


Ball screw No.	Stroke		Thread length		
	Nominal	Maximum	$L_1$	$L_2$	$L_3$
<b>W1504KA-7PG-C5Z20</b>	400	424	486	504	561
<b>W1506KA-7PG-C5Z20</b>	600	624	686	704	761
<b>W1510KA-3PG-C5Z20</b>	1000	1024	1086	1104	1161

Remarks **1. Only rust preventive agent is applied at time of delivery. Please apply lubricant (oil or grease) before use.** NSK Clean Grease LG2 is recommended.  
**2.** 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 12.2 mm.

Unit: mm



Ball screw specifications		
Shaft dia. X Lead / Direction of turn	15 × 20 / Right	
Preload / Ball recirculation	P preload / End cap	
Ball dia. / Ball circle dia.	3.175 / 15.5	
Effective turns of balls	1.7 × 1	
Accuracy grade / Preload	C5/Z	
Basic load rating (N)	Dynamic $C_a$	4150
	Static $C_{0a}$	6450
Axial play	0	
Dynamic friction torque, (N · cm)	1.5 ~ 7.9	
Spacer ball	None	
Factory packed grease	<b>Refer to the remarks 1. below.</b>	
Internal spatial volume of nut (cm <sup>3</sup> )	1.9	

Unit: mm

Lead accuracy			Shaft run-out **	Mass (Kg)	Permissible rotational speed N (min <sup>-1</sup> )	
$T$	$e_p$	$v_u$			Supporting condition	Fixed - Simple support
0	0.027	0.020	0.050	1.0	3000	
0	0.035	0.025	0.065	1.3	3000	
0	0.046	0.030	0.110	1.8	1610	