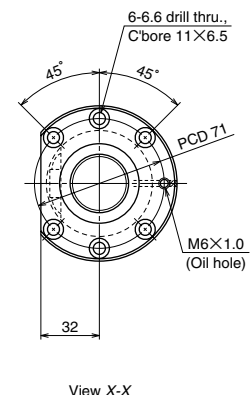


Unit: mm



Ball screw specifications		
Shaft dia. X Lead / Direction of turn	32×5/Right	
Preload / Ball recirculation	P preload / Return tube	
Ball dia. / Ball circle dia.	3.175/32.5	
Effective turns of balls	2.5×2	
Accuracy grade / Preload	C5/Z	
Basic load rating (N)	Dynamic $C_a$	11600
	Static $C_{0a}$	28000
Preload (N)	590	
Dynamic friction torque, median, (N·cm)	11.8	
Spacer ball	Yes	
Factory packed grease	<b>Refer to Remarks 2.</b>	
Internal spatial volume of nut (cm <sup>3</sup> )	7.0	

Ball screw No.	Stroke		Screw shaft length		
	Nominal	Maximum (L <sub>1</sub> -Nut length)	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
<b>W3202SA-1P-C5Z5</b>	150	209	265	300	415
<b>W3203SA-1P-C5Z5</b>	250	309	365	400	515
<b>W3204SA-1P-C5Z5</b>	350	409	465	500	615
<b>W3205SA-1P-C5Z5</b>	450	509	565	600	715
<b>W3206SA-1P-C5Z5</b>	550	609	665	700	857
<b>W3207SA-1P-C5Z5</b>	650	709	765	800	957
<b>W3209SA-1P-C5Z5</b>	850	909	965	1000	1157
<b>W3211SA-1P-C5Z5</b>	1050	1109	1165	1200	1357
<b>W3214SA-1P-C5Z5</b>	1350	1409	1465	1500	1657

Left side shaft end	Lead accuracy			Shaft run-out **	Mass (Kg)	Permissible rotational speed N (min <sup>-1</sup> )	
	T	e <sub>p</sub>	v <sub>u</sub>			Supporting condition	
						Fixed - Simple support	Fixed - Fixed
<b>II</b>	-0.006	0.023	0.018	0.040	3.1	2180	—
<b>II</b>	-0.009	0.025	0.020	0.050	3.7	2180	—
<b>II</b>	-0.011	0.027	0.020	0.050	4.2	2180	—
<b>II</b>	-0.014	0.030	0.023	0.060	4.8	2180	—
<b>I</b>	-0.016	0.035	0.025	0.075	5.6	2180	2180
<b>I</b>	-0.018	0.035	0.025	0.075	6.1	2180	2180
<b>I</b>	-0.023	0.040	0.027	0.090	7.3	2180	2180
<b>I</b>	-0.028	0.046	0.030	0.120	8.5	2180	2180
<b>I</b>	-0.035	0.054	0.035	0.150	10.2	2070	2180

Remarks 1. We recommend NSK support unit WBK25-01 (square type, fixed side), WBK25S-01 (square type, simple support side), and WBK25-11 (round type, fixed side).  
 2. Only rust preventive agent 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 29.2 mm.