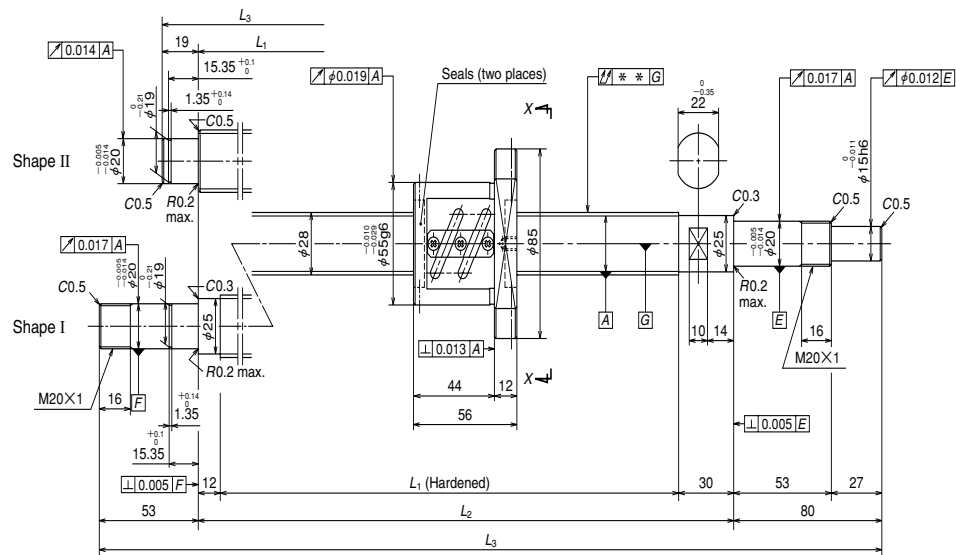


A Series: Finished shaft end

(Fine lead) Dia. 28, Lead 5



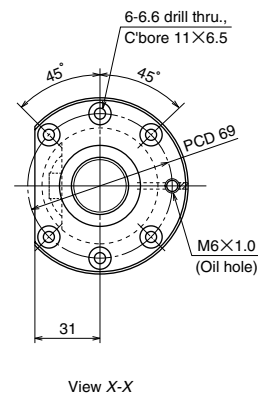
Nut models: PFT

NSK

φ28×5



Unit: mm



Ball screw specifications		
Shaft dia. X Lead / Direction of turn	28 × 5 / Right	
Preload / Ball recirculation	P preload / Return tube	
Ball dia. / Ball circle dia.	3.175 / 28.5	
Effective turns of balls	2.5 × 2	
Accuracy grade / Preload	C5 / Z	
Basic load rating (N)	Dynamic C_a	11000
	Static C_{0a}	24400
Preload (N)	540	
Dynamic friction torque, median, (N · cm)	9.8	
Spacer ball	Yes	
Factory packed grease	Refer to Remarks 2.	
Internal spatial volume of nut (cm ³)	6.0	

Ball screw No.	Stroke		Screw shaft length		
	Nominal	Maximum (L_1 -Nut length)	L_1	L_2	L_3
W2802SA-1P-C5Z5	200	214	270	300	399
W2803SA-1P-C5Z5	300	314	370	400	499
W2804SA-1P-C5Z5	400	414	470	500	599
W2805SA-1P-C5Z5	450	502	558	600	733
W2807SA-1P-C5Z5	650	702	758	800	933
W2809SA-1P-C5Z5	850	902	958	1000	1133
W2811SA-1P-C5Z5	1050	1102	1158	1200	1333

Left side shaft end	Lead accuracy			Shaft run-out **	Mass (Kg)	Permissible rotational speed N (min ⁻¹)	
	T	e_p	v_u			Supporting condition	
	Fixed - Simple support		Fixed - Fixed				
II	-0.006	0.023	0.018	0.035	2.5	2500	—
II	-0.009	0.025	0.020	0.040	2.9	2500	—
II	-0.011	0.027	0.020	0.050	3.3	2500	—
I	-0.014	0.030	0.023	0.060	3.8	2500	2500
I	-0.018	0.035	0.025	0.075	4.7	2500	2500
I	-0.024	0.040	0.027	0.090	5.6	2500	2500
I	-0.028	0.046	0.030	0.120	6.5	2500	2500

Remarks 1. We recommend NSK support unit WBK20-01A (square type, fixed side), WBK20S-01 (square type, simple support side), and WBK20-11 (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 25.2 mm.