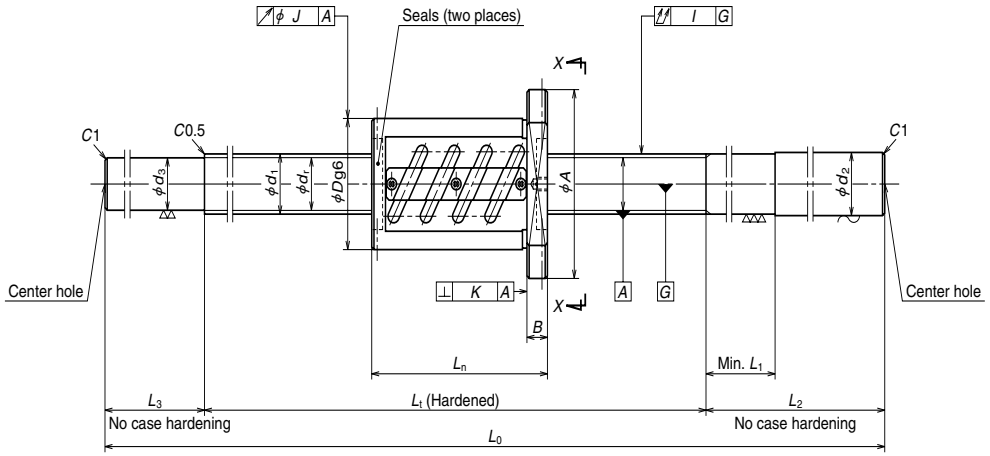
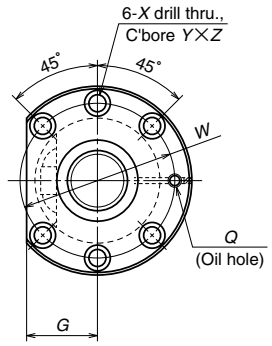
NSK

φ40×8、φ40×10、φ40×12

Standard stock



Nut type code: ZFT



View X-X

Unit: mm

Ball screw No.	Stroke Max. L_t-L_n	Screw shaft dia. d_1	Lead l	Ball dia. D_w	Ball circle dia. d_m	Root dia. d_r	Effective ball turns: Turns × Circuits	Basic load rating (N): Dynamic C_a	Basic load rating (N): Static C_{0a}	Preload (N)	Dynamic friction torque, median (N · cm)	Nut: Outside dia. D	Nut: Flange A	Nut: Flange G	Nut: Flange B	Nut: Overall length L_n
W4007SS-1Z-C5Z8	570	40	8	4.762	40.5	35.5	2.5×2	34900	103000	2450	64	74	108	41	15	130
W4012SS-1Z-C5Z8	1070															
W4018SS-1Z-C5Z8	1670															
W4007SS-2Z-C5Z10	597	40	10	6.350	41	34.4	2.5×1	28600	68600	2160	64	82	124	47	18	103
W4010SS-2Z-C5Z10	897															
W4014SS-1Z-C5Z10	1297															
W4018SS-2Z-C5Z10	1697															
W4024SS-1Z-C5Z10	2297															
W4010SS-4Z-C5Z12	883	40	12	7.144	41.5	34.1	2.5×1	33600	77500	2550	83	86	128	48	18	117
W4016SS-2Z-C5Z12	1483															
W4025SS-1Z-C5Z12	2383															

dimensions: Bolt hole W	X	Y	Z	Oil hole Q	Screw shaft dimensions: Threaded length L_t	Shaft end, right d_2	L_1	L_2	Shaft end, left d_3	L_3	Overall length L_0	Lead accuracy: Travel compensation T	Deviation e_p	Variation v_u	Run out: Shaft straightness I	Nut O.D. eccentricity J	Flange perpendicularity K	Mass (Kg)	Permissible rotational speed N(min⁻¹)
90	9	14	8.5	Rc1/8	700	40.3	50	300	35.5	100	1100	–0.017	0.035	0.025	0.065	0.019	0.013	13.0	1750
					1200			350		100	1650	–0.029	0.046	0.030	0.100			18.0	
					1800			350		120	2270	–0.043	0.065	0.040	0.130			23.5	
102	11	17.5	11	Rc1/8	700	40.3	60	300	34.4	100	1100	–0.017	0.035	0.025	0.065	0.025	0.015	13.3	1750
					1000			300		100	1400	–0.024	0.040	0.027	0.080			15.9	
					1400			350		120	1870	–0.034	0.054	0.035	0.100			20.0	
					1800			350		120	2270	–0.043	0.065	0.040	0.130			23.4	
					2400			400		150	2950	–0.058	0.077	0.046	0.170			29.4	
106	11	17.5	11	Rc1/8	1000	40.3	70	300	34.1	100	1400	–0.024	0.040	0.027	0.080	0.025	0.015	16.7	1750
					1600			350		150	2100	–0.038	0.054	0.035	0.130			22.9	
					2500			400		150	3050	–0.060	0.077	0.046	0.170			31.1	

Remarks: 1. NSK support unit is recommended.
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 · n value and a critical speed. See page B509.