

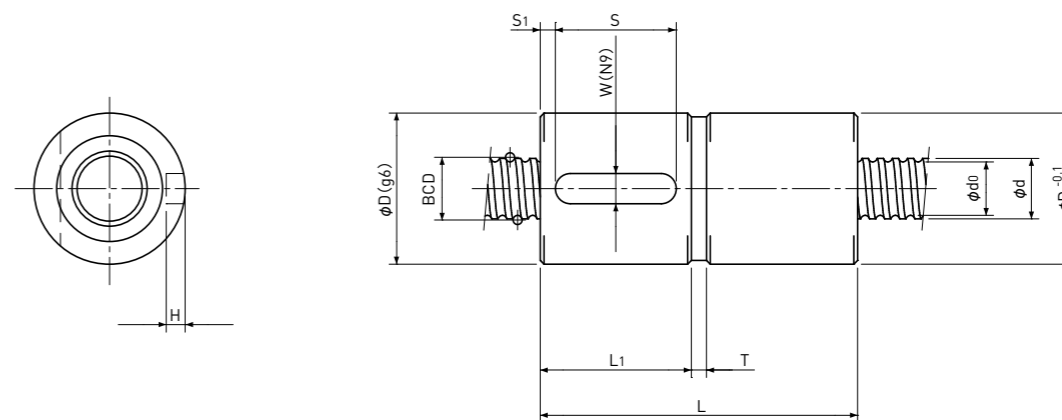


Sleeve type Double Nut



Precision Ball Screws

Sleeve type Double Nut



Unit: mm

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d ₀	Number of Circuit	Basic Load Rating		Nut Rigidity N/μm	Nut dimension								Ball Nut Model number
								N			D	L	L ₁	T	W	H	S	S ₁	
								Dynamic Ca	Static Coa										
SWBS 0602 A	6	2	1.0	6.20	5° 52'	5.1	2.7×1	750	1200	114	15	33	15.5	2	3	1.8	10	2.5	SWBS 0602 A
SWBS 0602 B	6	2	1.0	6.20	5° 52'	5.1	3.7×1	980	1600	155	15	38	18	2	3	1.8	12	3	SWBS 0602 B
SWBS 0602.5 A	6	2.5	1.0	6.20	7° 19'	5.1	2.7×1	750	1200	115	15	33.5	15.5	2.5	3	1.8	10	3	SWBS 0602.5 A
SWBS 0802 A(1)	8	2	1.0	8.20	4° 26'	7.1	2.7×1	850	1600	144	16	31	14.5	2	3	1.8	10	2.5	SWBS 0802 A(1)
SWBS 0802 B(1)	8	2	1.0	8.20	4° 26'	7.1	3.7×1	1100	2200	195	16	38	18	2	3	1.8	12	3	SWBS 0802 B(1)
SWBS 0802 A(2)	8	2	1.5875	8.30	4° 23'	6.6	2.7×1	1850	3000	162	20	37	17.5	2	4	2.5	12	2.5	SWBS 0802 A(2)
SWBS 0802 B(2)	8	2	1.5875	8.30	4° 23'	6.6	3.7×1	2400	4100	217	20	42	20	2	4	2.5	16	2	SWBS 0802 B(2)
SWBS 0802.5 A	8	2.5	1.5875	8.30	5° 29'	6.6	2.7×1	1850	3000	161	20	41.5	19.5	2.5	4	2.5	12	3.5	SWBS 0802.5 A
SWBS 0802.5 B	8	2.5	1.5875	8.30	5° 29'	6.6	3.7×1	2400	4100	219	20	47	22.5	2	4	2.5	16	3	SWBS 0802.5 B
SWBS 0803 A	8	3	2.0	8.30	6° 34'	6.2	2.7×1	2600	4200	167	20	46	22	2	4	2.5	16	3	SWBS 0803 A
SWBS 0803 B	8	3	2.0	8.30	6° 34'	6.2	3.7×1	3500	5700	227	20	53	25.5	2	4	2.5	20	3	SWBS 0803 B

Note 1) The diameter of one of the Screw Shaft ends must be less than the Screw Shaft Root diameter, otherwise Ball Nut cannot be installed.

Note 2) Ball Nut dimension is without seal at the both ends.
If the seals are required, Ball Nut dimension should be changed, in that case, please ask KSS.
Some type of Ball Nuts cannot equip with seals, please ask KSS representative.

Note 3) Rigidity
The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement under the Preload equivalent to 10% of the Basic Dynamic Load Rating Ca.

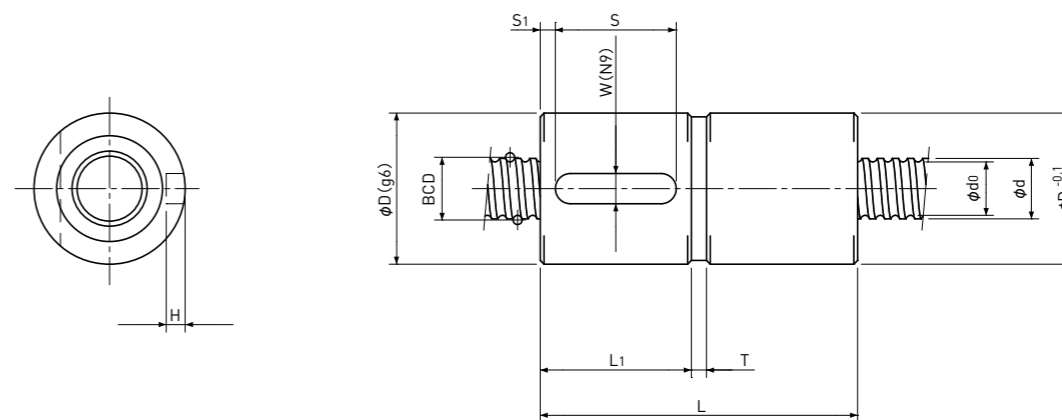
For Preload condition other than the above, see the formula in p-A823, you can calculate Rigidity using this formula.

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								N			D	L	L ₁	T	W	H	S	S ₁	
								Dynamic Ca	Static Coa										
SWBS 1002 A	10	2	1.5875	10.30	3°32'	8.6	2.7×1	2100	3800	196	23	37	17.5	2	5	3	12	2.5	SWBS 1002 A
SWBS 1002 B	10	2	1.5875	10.30	3°32'	8.6	3.7×1	2700	5300	262	23	42	20	2	5	3	16	2	SWBS 1002 B
SWBS 1002.5 A	10	2.5	1.5875	10.30	4°25'	8.6	2.7×1	2100	3800	196	24	41.5	19.5	2.5	5	3	12	3.5	SWBS 1002.5 A
SWBS 1002.5 B	10	2.5	1.5875	10.30	4°25'	8.6	3.7×1	2700	5300	262	24	47	22.5	2	5	3	16	3	SWBS 1002.5 B
SWBS 1003 A	10	3	2.0	10.30	5°18'	8.2	2.7×1	3000	5200	202	24	46	22	2	5	3	16	3	SWBS 1003 A
SWBS 1003 B	10	3	2.0	10.30	5°18'	8.2	3.7×1	3900	7200	275	24	53	25.5	2	5	3	20	3	SWBS 1003 B
SWBS 1004 A	10	4	2.0	10.30	7°03'	8.2	2.7×1	3000	5200	203	24	54	26	2	5	3	20	3	SWBS 1004 A
SWBS 1202 B	12	2	1.5875	12.30	2°58'	10.6	3.7×1	3000	6400	307	25	44	20.5	3	5	3	16	2	SWBS 1202 B
SWBS 1202.5 B	12	2.5	1.5875	12.30	3°42'	10.6	3.7×1	3000	6400	306	26	47	22	3	5	3	16	3	SWBS 1202.5 B
SWBS 1203 B	12	3	2.0	12.30	4°26'	10.2	3.7×1	4300	8700	318	28	56	26.5	3	5	3	20	3	SWBS 1203 B
SWBS 1204 B	12	4	2.381	12.30	5°55'	9.8	3.7×1	5400	10200	324	28	67	32	3	5	3	25	3	SWBS 1204 B

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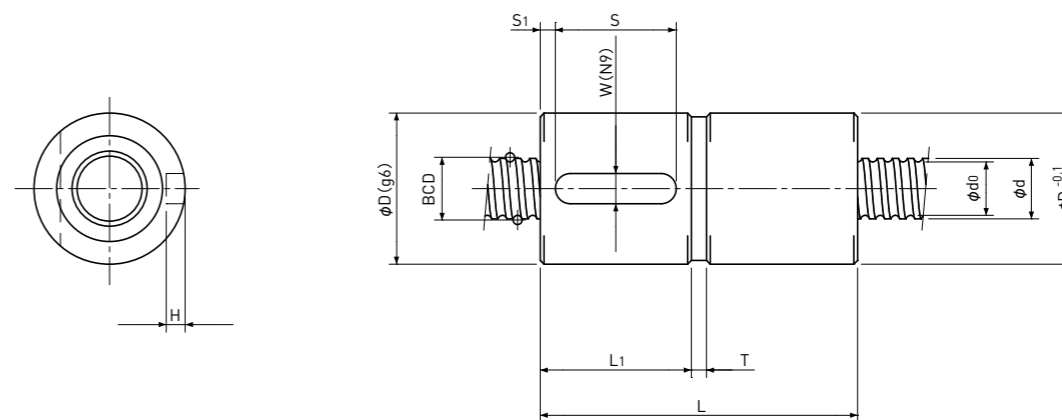
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								Dynamic Ca	Static Coa										
SWBS 1402 B	14	2	1.5875	14.30	2° 33'	12.6	3.7×1	3200	7500	345	26	44	20.5	3	5	3	16	2	SWBS 1402 B
SWBS 1402.5 B	14	2.5	1.5875	14.30	3° 11'	12.6	3.7×1	3200	7500	345	28	47	22	3	5	3	16	3	SWBS 1402.5 B
SWBS 1403 B	14	3	2.0	14.30	3° 49'	12.2	3.7×1	4600	10100	361	30	56	26.5	3	5	3	20	3	SWBS 1403 B
SWBS 1404 B	14	4	2.381	14.30	5° 05'	11.8	3.7×1	5700	11600	366	30	67	32	3	5	3	25	3	SWBS 1404 B
SWBS 1405 B	14	5	2.381	14.30	6° 21'	11.8	3.7×1	5700	11600	365	30	78	37.5	3	5	3	28	5	SWBS 1405 B
SWBS 1602 B	16	2	1.5875	16.30	2° 14'	14.6	3.7×1	3400	8600	386	28	44	20.5	3	5	3	16	2	SWBS 1602 B
SWBS 1602.5 B	16	2.5	1.5875	16.30	2° 48'	14.6	3.7×1	3400	8600	385	28	47	22	3	5	3	16	3	SWBS 1602.5 B
SWBS 1603 B	16	3	2.0	16.30	3° 21'	14.2	3.7×1	4900	11600	401	32	56	26.5	3	5	3	20	3	SWBS 1603 B
SWBS 1604 B	16	4	2.381	16.30	4° 28'	13.8	3.7×1	6200	13600	409	34	68	32	4	5	3	25	3.5	SWBS 1604 B
SWBS 1605 B	16	5	3.175	16.50	5° 31'	13.2	3.7×1	9100	18200	425	38	83	39.5	4	5	3	28	5	SWBS 1605 B

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