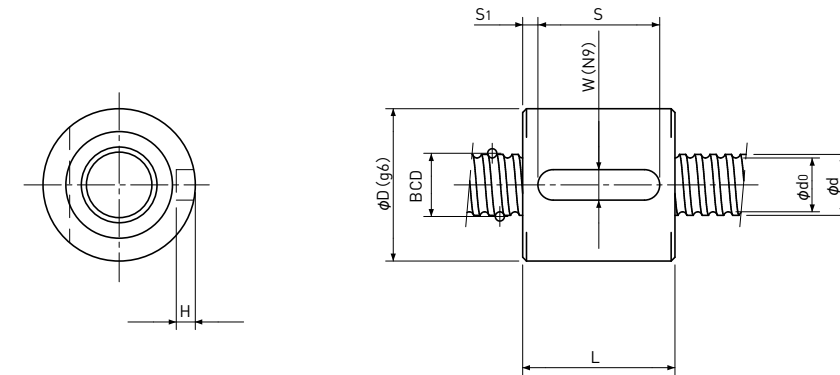
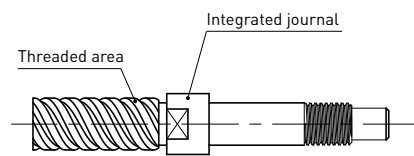


Rolled Ball Screws

Sleeve type Single Nut

Backlash type

- Rolled Ball Screws with integrated journal are available ($\phi 12$ or less only), which have larger diameter than threaded area shown below.



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 N		Nut Rigidity N/ μ m	Nut dimension						Ball Nut Model number
								Dynamic C_a	Static C_oa		D	L	W	H	S	S_1	
BSR 0401	4	1	0.8	4.15	4° 23'	3.3	3.7x1	560	790	54	11	14	3	1.8	8	3	BSR 0401
BSR 0402	4	2	0.8	4.15	8° 43'	3.3	2.7x1	420	570	39	11	16	3	1.8	8	4	BSR 0402
BSR 0504	5	4	0.8	5.15	13° 53'	4.3	2.7x1	470	720	47	12	22	3	1.8	12	5	BSR 0504
BSR 0601 **	6	1	0.8	6.15	2° 58'	5.3	3.7x1	680	1200	75	13	14	3	1.8	10	2	BSR 0601 **
BSR 0602	6	2	1.0	6.20	5° 52'	5.1	2.7x1	750	1200	58	15	15	3	1.8	10	2.5	BSR 0602
BSR 0801 **	8	1	0.8	8.15	2° 15'	7.3	3.7x1	780	1650	95	16	14	3	1.8	10	2	BSR 0801 **
BSR 0802 **	8	2	1.5875	8.30	4° 23'	6.6	3.7x1	2400	4100	111	20	20	4	2.5	16	2	BSR 0802 **
BSR 0802.5	8	2.5	1.5875	8.00	5° 41'	6.3	2.7x1	1850	3000	80	16	16	3	1.8	8	4	BSR 0802.5
BSR 0805	8	5	1.5875	8.30	10° 51'	6.6	2.7x1	1850	3000	82	18	28	4	2.5	20	4	BSR 0805

Note 1) All models are Right-hand screw.

Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter, because of production and Nut assembly reason.

Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.

Note 4) Rigidity

The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement under the Axial load equivalent to 30% of the Basic Dynamic Load Rating C_a .

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

Note 5) Stainless Rolled Ball Screw

Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.