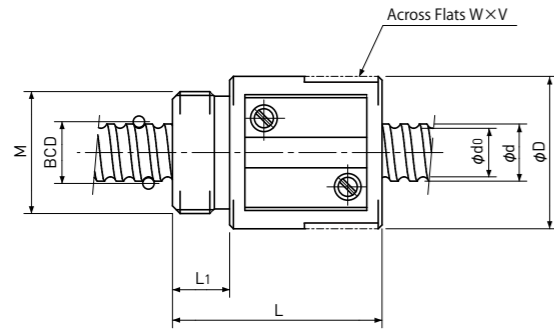


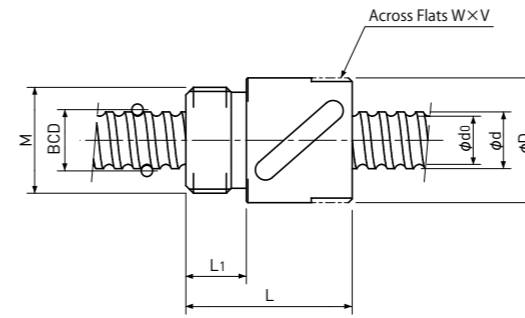
Rolled Ball Screws

Single Nut with M-thread

Backlash type

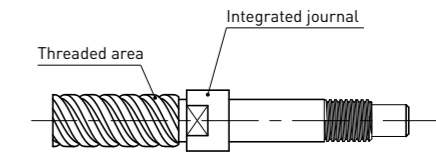


Type-1:Return-plate type



Type-2:Return-tube 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 Ca	Static Coa		Nut type	D	L	L ₁	Across Flats width W	Across Flats length V		M
MSR 0401 B	4	1	0.8	4.15	4° 23'	3.3	3.7x1	560	790	54	1	11	17	4	10	6	M9x0.75	MSR 0401 B
MSR 0802 B **	8	2	1.5875	8.30	4° 23'	6.6	3.7x1	2400	4100	111	1	20	27.5	7.5	18	5	M16x1.0	MSR 0802 B **
MSR 0802.5 T(1)	8	2.5	1.5875	8.00	5° 41'	6.3	3.5x1	2300	3900	102	2	16.5	22	8	14	4	M14x1.0	MSR 0802.5 T(1)
MSR 0802.5 T(2)	8	2.5	1.5875	8.00	5° 41'	6.3	3.5x1	2300	3900	102	2	17.5	25.5	7.5	15	4	M15x1.0	MSR 0802.5 T(2)
MSR 0805 A	8	5	1.5875	8.30	10° 51'	6.6	2.7x1	1850	3000	82	1	18	32.5	7.5	16	5	M15x1.0	MSR 0805 A
MSR 1002 B **	10	2	1.5875	10.30	3° 32'	8.6	3.7x1	2700	5300	134	1	23	27.5	7.5	21	5	M17x1.0	MSR 1002 B **
MSR 1003 B	10	3	2.0	10.30	5° 18'	8.2	3.7x1	3900	7200	140	1	24	32	8	22	5	M18x1.0	MSR 1003 B
MSR 1202 B	12	2	1.5875	12.30	2° 58'	10.6	3.7x1	3000	6400	156	1	25	30	10	23	5	M20x1.0	MSR 1202 B
MSR 1402 B	14	2	1.5875	14.30	2° 33'	12.6	3.7x1	3200	7500	176	1	26	30	10	23	5	M22x1.5	MSR 1402 B
MSR 1404 B	14	4	2.381	14.30	5° 05'	11.8	3.7x1	5700	11600	187	1	30	38	10	27	8	M25x1.0	MSR 1404 B

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 Ca.

For Axial load condition other than the above, see the formula in page 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 **.