MSR Thread Mounted Nut

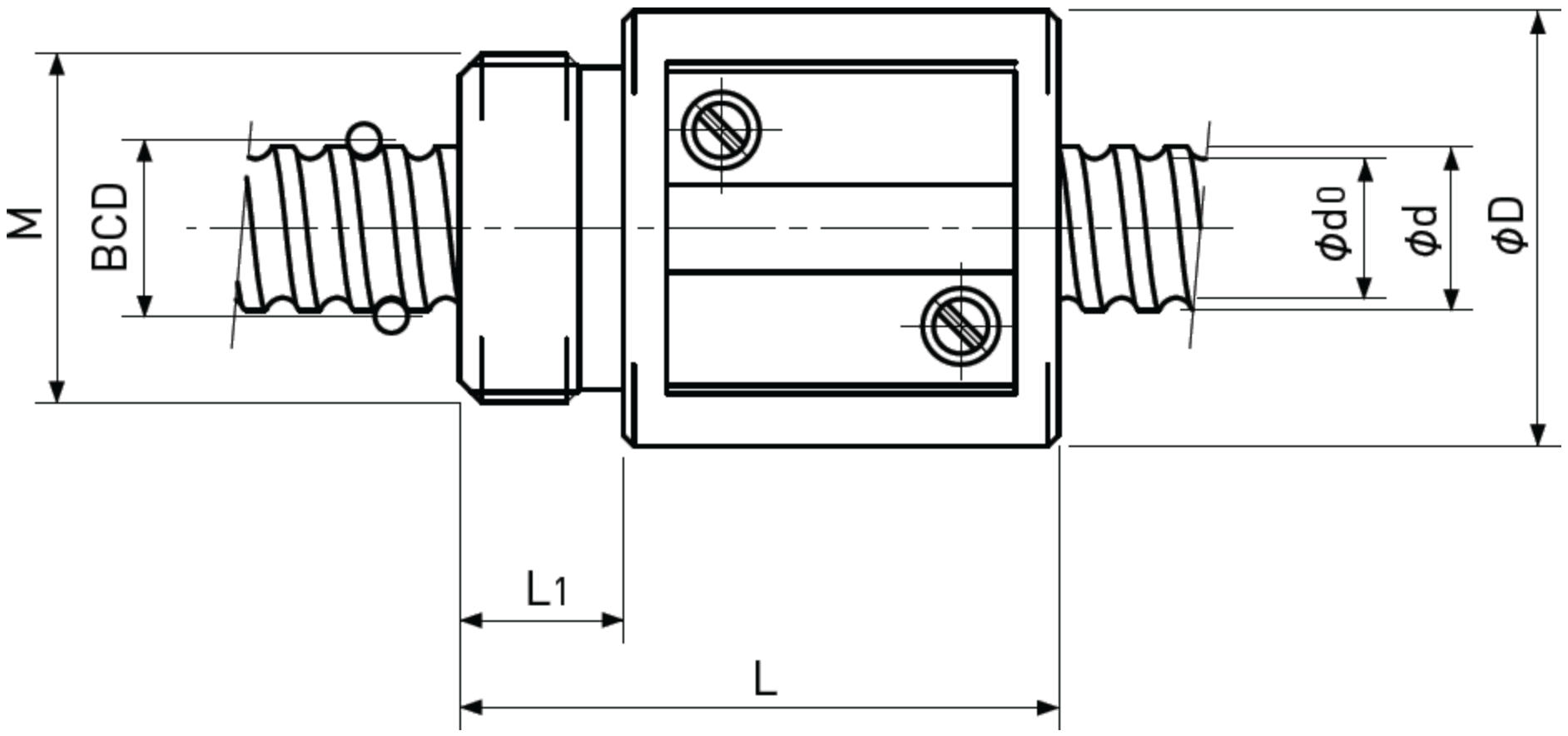
ABSSAC

PRECISION MOTION SINCE 1982

Rolled Ball Screws

Single Nut with M-thread

Backlash type



Type-1: Return-plate type

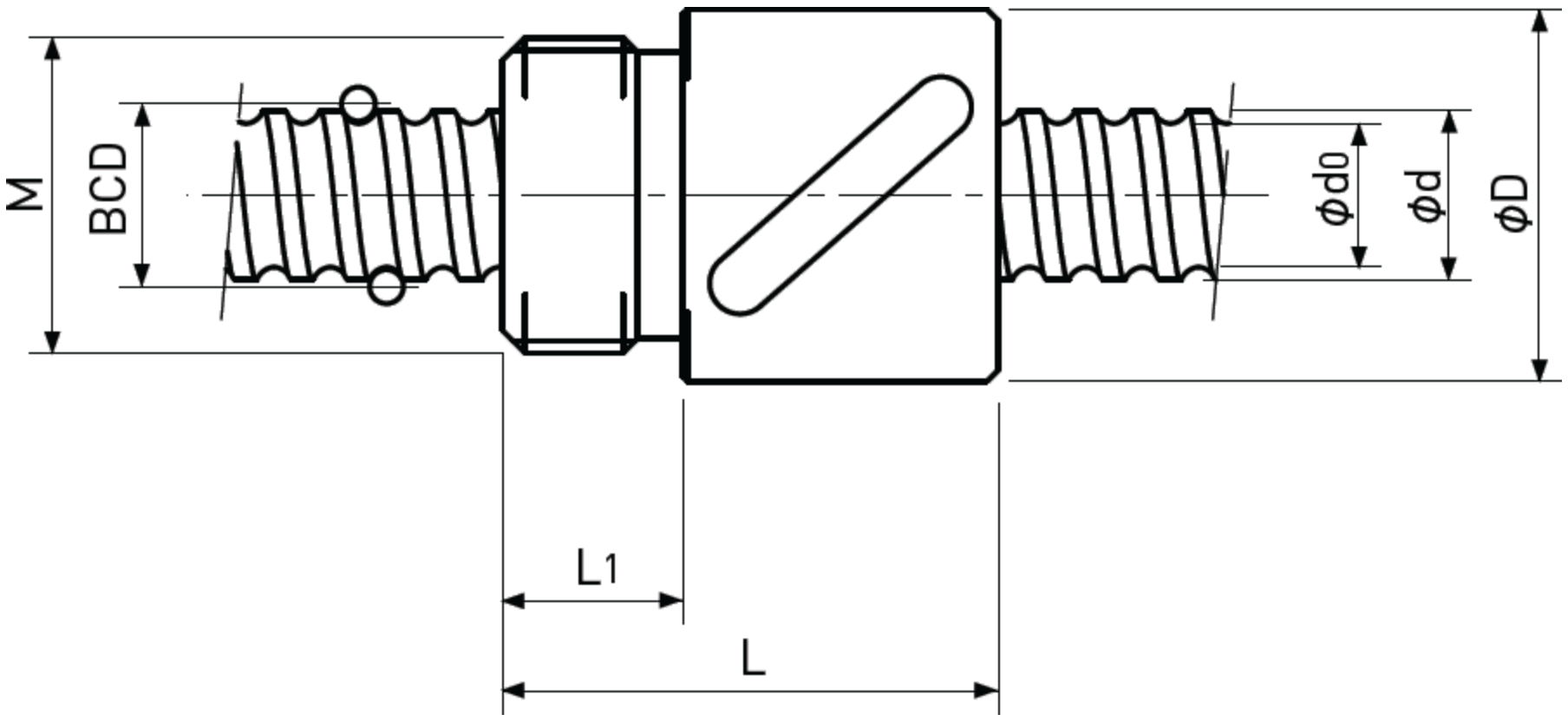
Unit : mm

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/μm
								Dynamic Ca	Static Coa	
MSR 0401 B	4	1	0.8	4.15	4°23'	3.3	3.7x1	560	790	54
MSR 0802 B **	8	2	1.5875	8.3	4°23'	6.6	3.7x1	2400	4100	111
MSR 0802.5 T(1)	8	2.5	1.5875	8	5°41'	6.3	3.5x1	2300	3900	102
MSR 0802.5 T(2)	8	2.5	1.5875	8	5°41'	6.3	3.5x1	2300	3900	102
MSR 0805 A	8	5	1.5875	8.3	10°51'	6.6	2.7x1	1850	3000	82
MSR 1002 B **	10	2	1.5875	10.3	3°32'	8.6	3.7x1	2700	5300	134
MSR 1202 B	12	2	1.5875	12.3	2°58'	10.6	3.7x1	3000	6400	156
MSR 1402 B	14	2	1.5875	14.3	2°33'	12.6	3.7x1	3200	7500	176
MSR 1404 B	14	4	2.381	14.3	5°05'	11.8	3.7x1	5700	11600	187

Rolled Ball Screws

Single Nut with M-thread

Backlash type



Type-2: Return-tube type

Ball Nut Model number	Nut dimension				
	Nut type	D	L	L_1	M
MSR 0401 B	1	11	17	4	M9x0.75
MSR 0802 B **	1	20	27.5	7.5	M16x1.0
MSR 0802.5 T(1)	2	16.5	22	8	M14x1.0
MSR 0802.5 T(2)	2	17.5	25.5	7.5	M15x1.0
MSR 0805 A	1	18	32.5	7.5	M15x1.0
MSR 1002 B **	1	23	27.5	7.5	M17x1.0
MSR 1202 B	1	25	30	10	M20x1.0
MSR 1402 B	1	26	30	10	M22x1.5
MSR 1404 B	1	30	38	10	M25x1.0

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 productlon and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.
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.
Note 5) Stainless Rolled Ball Screw
Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.