

MSR Thread Mounted Nut



- MSR Thread Mounted Nut

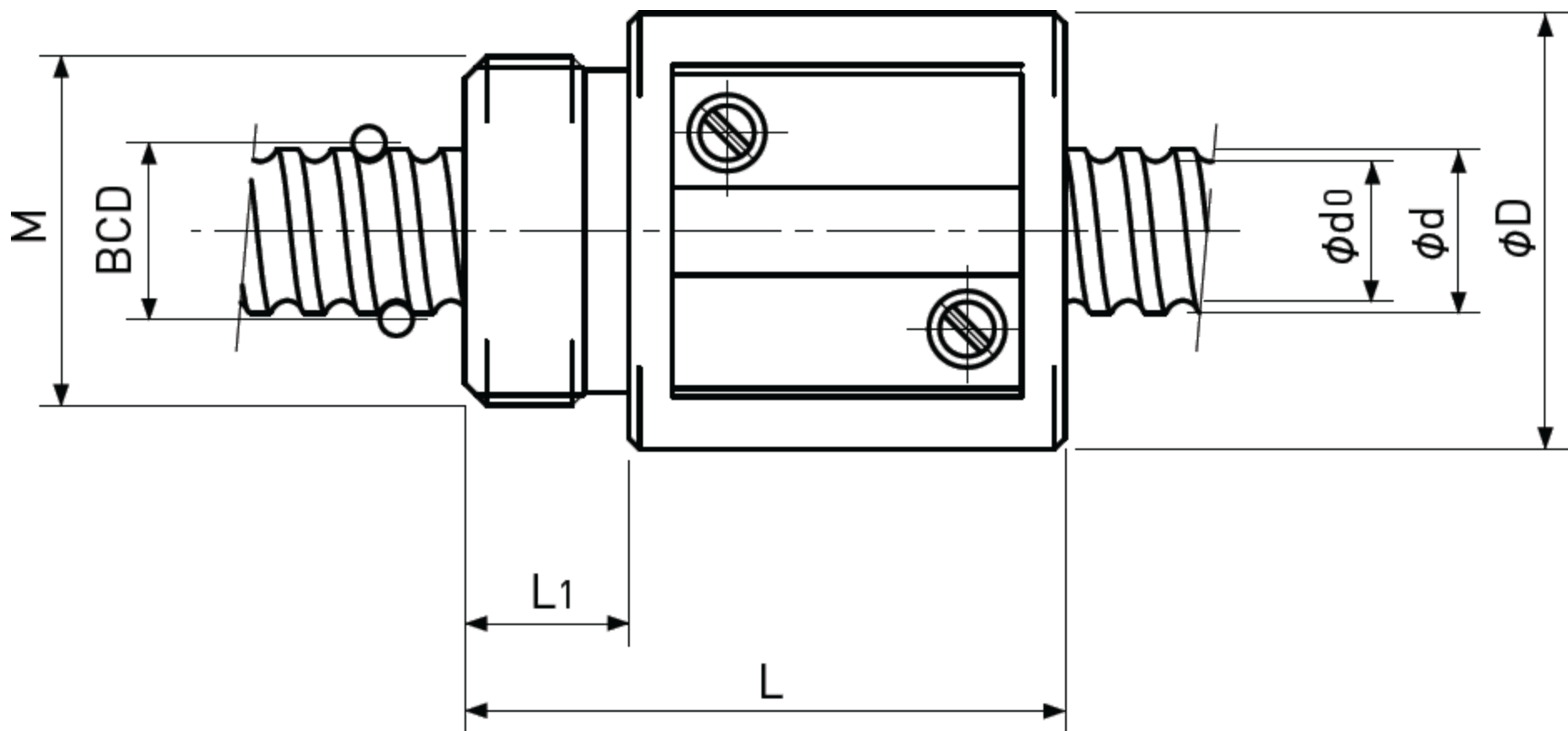
Call: 01386 421 005

Email: sales@abssac.co.uk

Web: www.abssac.co.uk

Single Nut with M-thread

Backlash type



Type-1: Return-plate type

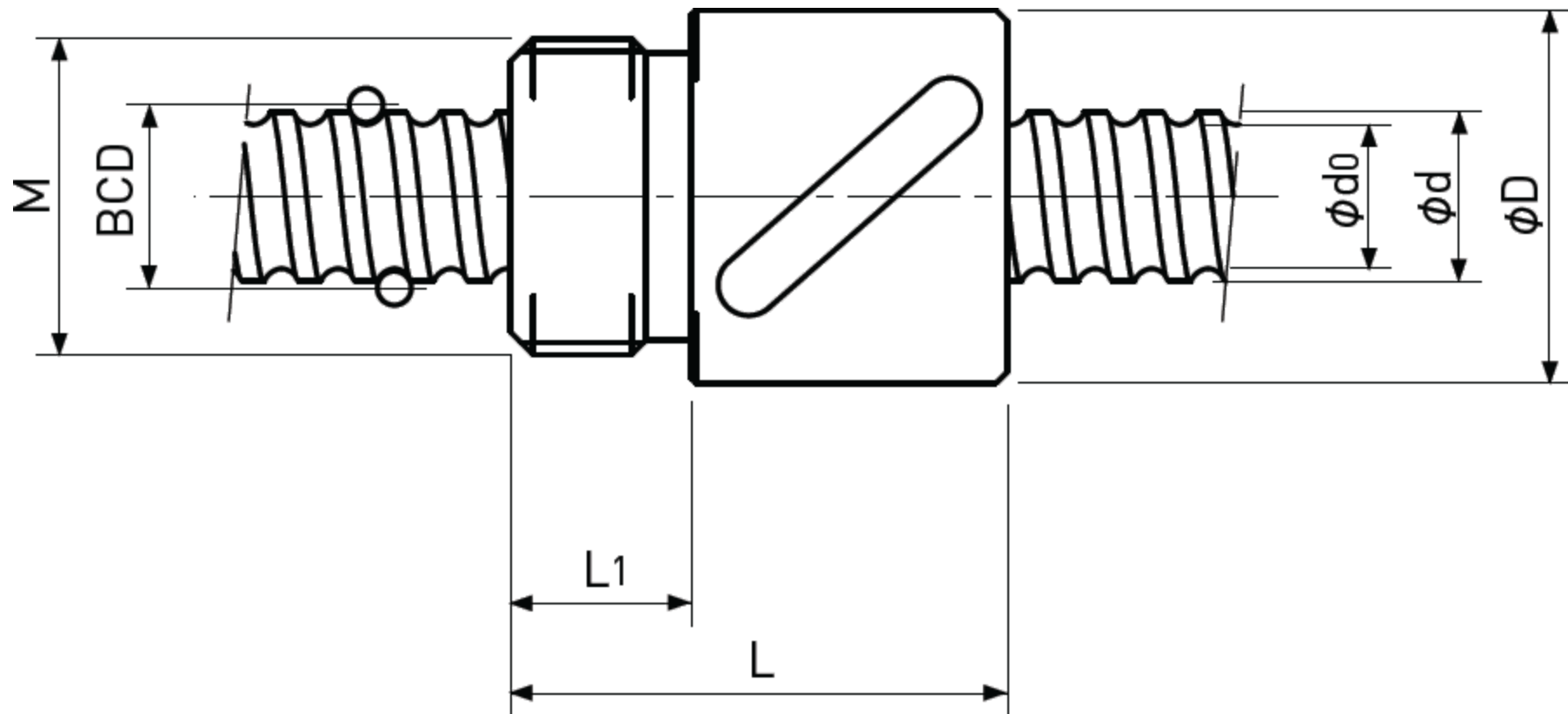
Unit : mm

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 C _a	Static C _{0a}	
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 production 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 **.