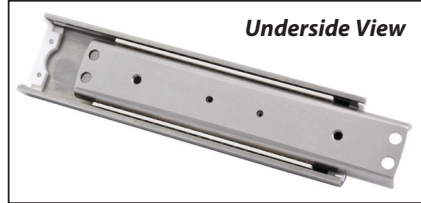


BSPG-SL

LINEAR MOTION

Precision Linear Slide Units - Stainless

Non-Recirculating Ball Type - Built in Rack & Pinion

Top View**Underside View**

Part Number	Weight g	NOMINAL DIMENSIONS mm			Max. Stroke Length	DIMENSIONS OF TABLE mm				
		W	H	L		L1	M1	S1	h1	t1
BSPG1225SL	6.50	12	6	25	14	15	M2.6	2.00	5.20	1.20
BSPG1235SL	9.00	12	6	35	24	24	M2.6	2.00	5.20	1.20
BSPG1245SL	11.60	12	6	45	34	34	M2.6	2.00	5.20	1.20
BSPG1540SL	15.80	15	8	40	24	24	M3	2.50	7.00	1.20
BSPG1550SL	19.60	15	8	50	32	34	M3	2.50	7.00	1.20
BSPG1560SL	23.50	15	8	60	40	40	M3	2.50	7.00	1.20
BSPG2040SL	25.50	20	10	40	22	24	M3	3.20	9.00	1.40
BSPG2050SL	31.80	20	10	50	28	34	M3	3.20	9.00	1.40
BSPG2060SL	38.10	20	10	60	34	40	M3	3.20	9.00	1.40
BSPG2070SL	44.40	20	10	70	40	45	M3	3.20	9.00	1.40
BSPG2080SL	50.50	20	10	80	47	50	M3	3.20	9.00	1.40
BSPG2550SL	40.30	25	10	50	26	34	M3	3.50	9.00	1.60
BSPG2560SL	48.30	25	10	60	32	40	M3	3.50	9.00	1.60
BSPG2570SL	56.20	25	10	70	38	45	M3	3.50	9.00	1.60
BSPG2580SL	64.10	25	10	80	44	50	M3	3.50	9.00	1.60
BSPG25100SL	80.00	25	10	100	56	60	M3	3.50	9.00	1.60

Material

Slides: Stainless Steel. End Stop, Retainer, Rack and Pinion: Synthetic Resin.

Performance

Max. Speed: 0.5 m/sec (30m/min) Temperature: +100°C (constant) +120°C (maximum)

Other Info.

The BSP precision Linear Slide series is a lightweight and compact linear motion rolling guide made of stainless steel formed precisely to be U-shaped table or track rail. The Precision Linear Slide series features high performance and durability, making this series suitable for scanning or writing heads of memory storage devices such as hard disk drives. The series is also widely applicable for measuring equipment, IC manufacturing and inspection devices etc. For the M2.6 holes, slightly smaller threads (M2.5) will fit. To obtain high accuracy in operating, do not exceed 20% of basic static load rating. To maximise the accuracy, centre the applied load over the table or bed. Allow enough additional stroke length to avoid reaching the maximum stroke length. The BSPG Type is recommended when it is difficult to calibrate the position of the retainer in the BSP Type.



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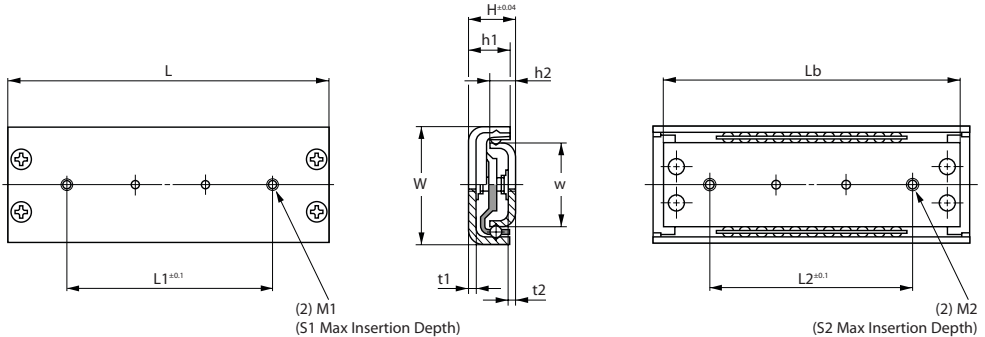
Product information updated 22nd December 2011 and subject to change. Please contact Sales for the latest prices and availability.

LINEAR MOTION

Precision Linear Slide Units - Stainless

Non-Recirculating Ball Type - Built in Rack & Pinion

BSPG-SL



Lb	DIMENSIONS OF BED mm						Basic Dynamic Load Rating C N	Basic Static Load Rating C ₀ N	Price Each
	w	L2	M2	S2	h2	t2			
23.60	7.60	15	M2.6	2.00	3.00	1.00	209	131	£53.42
33.60	7.60	24	M2.6	2.00	3.00	1.00	256	174	£57.77
43.60	7.60	34	M2.6	2.00	3.00	1.00	299	218	£61.87
37.00	9.60	24	M3	3.00	4.50	1.20	471	309	£55.60
47.00	9.60	34	M3	3.00	4.50	1.20	551	387	£60.33
57.00	9.60	40	M3	3.00	4.50	1.20	626	464	£72.96
37.00	13.80	24	M3	3.50	6.20	1.40	623	384	£60.61
47.00	13.80	34	M3	3.50	6.20	1.40	743	493	£72.96
57.00	13.80	40	M3	3.50	6.20	1.40	855	603	£85.83
67.00	13.80	45	M3	3.50	6.20	1.40	961	713	£94.47
77.00	13.80	50	M3	3.50	6.20	1.40	1060	822	£103.16
46.00	18.40	34	M3	3.00	5.70	1.60	743	493	£85.83
56.00	18.40	40	M3	3.00	5.70	1.60	855	603	£103.16
66.00	18.40	45	M3	3.00	5.70	1.60	961	713	£111.40
76.00	18.40	50	M3	3.00	5.70	1.60	1060	822	£124.69
96.00	18.40	60	M3	3.00	5.70	1.60	1250	1040	£141.81

Other Info. (continued)

The retainer in this type combines the two rows of balls with Pinion gear. The Pinion gear engages with a rack gear to prevent slipping of movement of the retainer to ensure excellent positioning stability. The BSPG type has the same extremely smooth movement as the BSP type.

Does not incorporate a mechanical stopper, so it is necessary to add a stopper mechanism to the surrounding equipment when excessive strokes are likely to occur. The raceways and gear mechanism of the BSPG type is smeared with Perfluoro Polyethers grease containing a Volatile Corrosion Inhibiting Film. In general use, the BSPG type can be used without any additional treatment if it is kept clean.

For temperatures over 100°C we can supply special high temperature grease (200°C - supplied in syringe) **CG2-SY : £31.80**



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