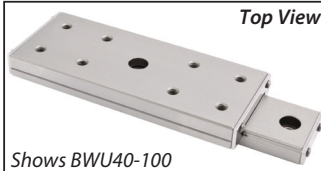


BWU

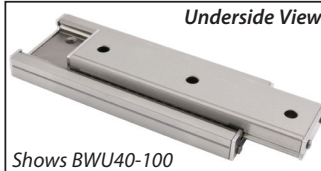
LINEAR MOTION

Precision Linear Slide Units - All Stainless Construction

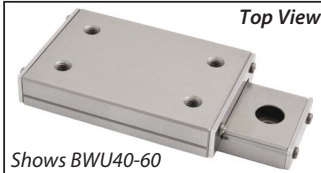
BWU Series (Clean Room)



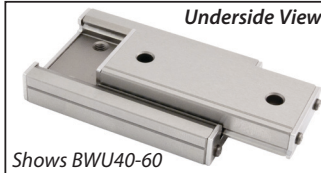
Shows BWU40-100



Shows BWU40-100



Shows BWU40-60



Shows BWU40-60

Recommended shoulder height of the mating reference mounting surfaces

Model Number	Shoulder Height on Table h1	Shoulder Height on Bed h2
BWU6	1.0	0.5
BWU8	1.2	0.8
BWU12	1.5	0.8
BWU17	2.5	1.2
BWU25	2.5	1.5
BWU30	3.0	2.0
BWU40	3.0	2.5
BWU60	4.0	2.5

Part Number	Weight (g)		DIMENSIONS OF ASSEMBLY mm							Max. Stroke Length	DIMENSIONS OF TABLE mm								
	Table	Bed	W	H	H1	N	L	W1	L1		L2	M	S1	W2	L3	d	t		
BWU6-10	0.72	0.23	6	3.2	0.7	2.0	10	3	-	4	-	M1.4	0.80	-	-	-	0.46		
BWU6-20	1.60	0.50	6	3.2	0.7	2.0	20	11	-	10	-	M1.4	0.80	-	-	-	0.46		
BWU6-30	2.40	0.78	6	3.2	0.7	2.0	30	16	-	18	10	M1.4	0.80	-	-	-	0.46		
BWU8-10	0.96	0.42	8	4.0	1.0	2.5	10	4	-	5.5	-	M2	0.80	-	-	-	0.45		
BWU8-20	2.20	0.97	8	4.0	1.0	2.5	20	16	-	10	-	M2	0.80	-	-	-	0.45		
BWU8-30	3.30	1.50	8	4.0	1.0	2.5	30	20	-	21	10	M2	0.80	-	-	-	0.45		
BWU12-20*	3.60	1.90	12	4.5	1.0	3.0	20	16	-	8	-	M2	1.10	-	-	-	0.45		
BWU12-30*	5.70	3.20	12	4.5	1.0	3.0	30	20	-	15	-	M2	1.10	-	-	-	0.45		
BWU12-45*	8.50	4.90	12	4.5	1.0	3.0	45	30	-	31	15	M2	1.10	-	22.5	4.5	0.45		
BWU17-20	9.20	3.90	17	8.0	1.5	5.0	20	14	12	10	-	M2	3.00	-	10.0	4.5	0.80		
BWU17-30	17.80	7.80	17	8.0	1.5	5.0	30	19	12	20	-	M2	3.00	-	-	-	0.80		
BWU17-45	26.50	11.70	17	8.0	1.5	5.0	45	29	12	30	-	M2	3.00	-	22.5	4.5	0.80		
BWU25-30	22.50	13.30	25	9.0	1.8	5.5	30	23	10	15	-	M3	2.50	-	-	-	0.90		
BWU25-45	41.60	24.30	25	9.0	1.8	5.5	45	28	10	25	-	M3	2.50	-	-	-	0.90		
BWU25-60	55.70	33.00	25	9.0	1.8	5.5	60	38	10	25	-	M3	2.50	-	-	-	0.90		
BWU25-75	68.40	40.80	25	9.0	1.8	5.5	75	48	10	55	25	M3	2.50	-	37.5	6.5	0.90		
BWU30-30	31.90	25.00	30	12.0	3.4	6.0	30	23	14	15	-	M3	3.00	-	-	-	1.00		
BWU30-45	56.90	45.40	30	12.0	3.4	6.0	45	29	14	25	-	M3	3.00	-	-	-	1.00		
BWU30-60	76.10	61.50	30	12.0	3.4	6.0	60	35	14	25	-	M3	3.00	-	-	-	1.00		
BWU30-75	93.80	76.10	30	12.0	3.4	6.0	75	47	14	55	25	M3	3.00	-	37.5	6.5	1.00		
BWU30-90	101.00	84.80	30	12.0	3.4	6.0	90	59	14	55	25	M3	3.00	-	45.0	6.5	1.00		
BWU40-40	68.90	52.00	40	14.0	3.5	8.0	40	31	20	20	-	M4	4.00	-	-	-	1.00		
BWU40-60	125.00	93.00	40	14.0	3.5	8.0	60	39	20	40	-	M4	4.00	-	-	-	1.00		
BWU40-80	167.00	125.00	40	14.0	3.5	8.0	80	47	20	40	-	M4	4.00	-	-	-	1.00		
BWU40-100	207.00	155.00	40	14.0	3.5	8.0	100	63	20	80	40	M4	4.00	-	50.0	8.0	1.00		
BWU60-60	195.00	194.00	60	16.0	3.6	9.0	60	34	36	40	-	M4	4.00	-	-	-	1.10		
BWU60-80	261.00	261.00	60	16.0	3.6	9.0	80	45	36	40	-	M4	4.00	-	-	-	1.10		
BWU60-100	321.00	325.00	60	16.0	3.6	9.0	100	56	36	80	40	M4	4.00	23	50.0	8.0	1.10		
BWU60-120	386.00	391.00	60	16.0	3.6	9.0	120	68	36	100	40	M4	4.00	23	60.0	8.0	1.10		

*Special mounting bolts for mounting the bed (cross recessed head cap screws M2 x 4) are appended to BWU12.

Material

All completely stainless steel (similar to 440C). Most suitable for use in clean rooms.

Performance

Maximum Speed: 0.5 m/sec (30 m/min)

Temperature: +100°C (constant) +120°C (maximum) Life will be less than normal at 100°C and dimensions may change.

Lateral Loading: Dynamic x 1.13C - Static x 1.19 Co.



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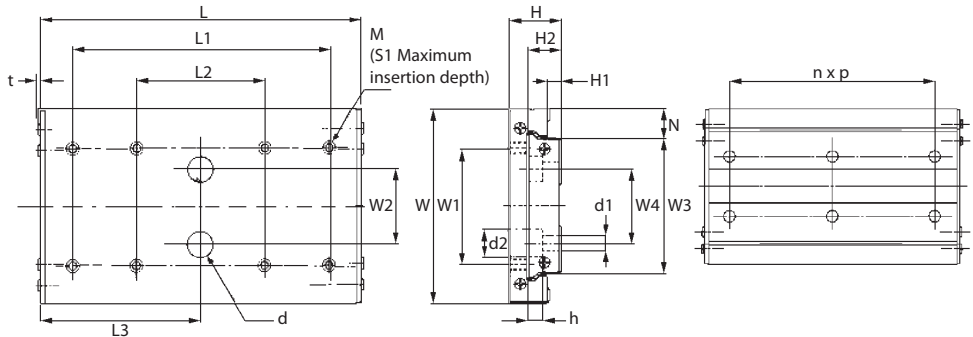
Product information updated 22nd December 2011 and subject to change. Please contact Sales for the latest prices and availability.

LINEAR MOTION

Precision Linear Slide Units - All Stainless Construction

BWU Series (Clean Room)

BWU



DIMENSIONS OF BED mm							Basic Dynamic Load Rating CN	Basic Static Load Rating Co N	Allowable Load FN	Static Rated Torque To Nm	Price Each	
W3	H2	W4	n	P	d1	d2	h					
2	1.9	-	1	4.0	M1.0	-	-	120	157	52	0.18	£POA
2	1.9	-	1	8.0	M1.0	-	-	195	313	104	0.36	£POA
2	1.9	-	2	8.0	M1.0	-	-	274	509	170	0.59	£POA
3	2.6	-	1	5.0	M1.6	-	-	158	183	61	0.31	£POA
3	2.6	-	1	10.0	M1.6	-	-	226	306	102	0.52	£63.35
3	2.6	-	2	10.0	M1.6	-	-	341	550	183	0.94	£67.54
6	2.8	-	1	7.5	2.4	4.0	1.5	226	306	102	0.98	£POA
6	2.8	-	1	15.0	2.4	4.0	1.5	341	550	183	1.80	£67.54
6	2.8	-	2	15.0	2.4	4.0	1.5	464	856	285	2.70	£71.80
7	5.0	-	1	7.5	2.4	4.2	2.3	457	550	183	2.20	£POA
7	5.0	-	1	15.0	2.4	4.2	2.3	675	963	321	3.80	£84.61
7	5.0	-	2	15.0	2.4	4.2	2.3	927	1510	504	6.00	£101.48
14	5.2	-	1	15.0	3.5	6.0	3.2	606	825	275	6.10	£POA
14	5.2	-	1	30.0	3.5	6.0	3.2	927	1510	504	11.30	£118.11
14	5.2	-	1	30.0	3.5	6.0	3.2	1150	2060	688	15.40	£139.19
14	5.2	-	2	30.0	3.5	6.0	3.2	1360	2610	871	19.50	£156.16
18	7.5	-	1	15.0	3.5	6.5	4.5	982	1220	408	11.60	£POA
18	7.5	-	1	30.0	3.5	6.5	4.5	1480	2200	734	20.90	£134.96
18	7.5	-	1	30.0	3.5	6.5	4.5	1920	3180	1060	30.20	£151.96
18	7.5	-	2	30.0	3.5	6.5	4.5	2220	3910	1300	37.20	£177.09
18	7.5	-	2	30.0	3.5	6.5	4.5	2500	4650	1550	44.10	£POA
24	8.5	-	1	20.0	4.5	8.0	4.5	1580	1910	637	24.10	£POA
24	8.5	-	1	40.0	4.5	8.0	4.5	2390	3440	1150	43.30	£172.93
24	8.5	-	1	40.0	4.5	8.0	4.5	3090	4970	1660	62.60	£206.70
24	8.5	-	2	40.0	4.5	8.0	4.5	3580	6110	2040	77.00	£236.27
42	10.0	23	1	40.0	4.5	8.0	4.5	3660	4930	1640	107.00	£187.95
42	10.0	23	1	40.0	4.5	8.0	4.5	4580	6780	2260	148.00	£224.19
42	10.0	23	2	40.0	4.5	8.0	4.5	5420	8630	2880	188.00	£260.30
42	10.0	23	2	40.0	4.5	8.0	4.5	6210	10500	3490	228.00	£296.50

Other Info.

Precision Linear Slide Unit is a compact linear motion rolling guide for limited stroke length. Steel balls are arranged in two rows and each ball makes contact with the ground raceways at four points. This series achieves highly accurate and smooth linear motion with high rigidity under fluctuating and complex load. The table, balls, retainers, bed, end plates, etc. are made of stainless steel to give superior corrosion resistance. This series is suitable for use in a clean room and also in medical equipment, IC manufacturing equipment etc. To obtain consistently high accuracy in operation, do not exceed 20% of the basic static load rating.

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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