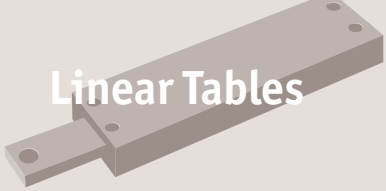


Size + Weight

For light/medium loads

L1020-L1037

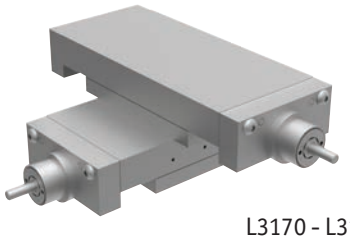
For heavy duty loads and motorised

L3000-L3500

Ball roller versions

L1024 - L1038

Needle roller & dovetail stage

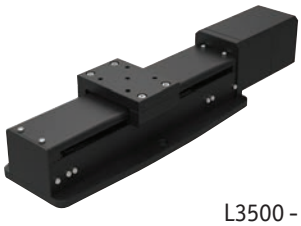


L3170 - L3194

Cross roller versions

L1020 - L1026

Motorised stages



L3500 - L3510

Stainless steel versions

L1022 - L1023

Micrometer driven stages

L3100 - L3123

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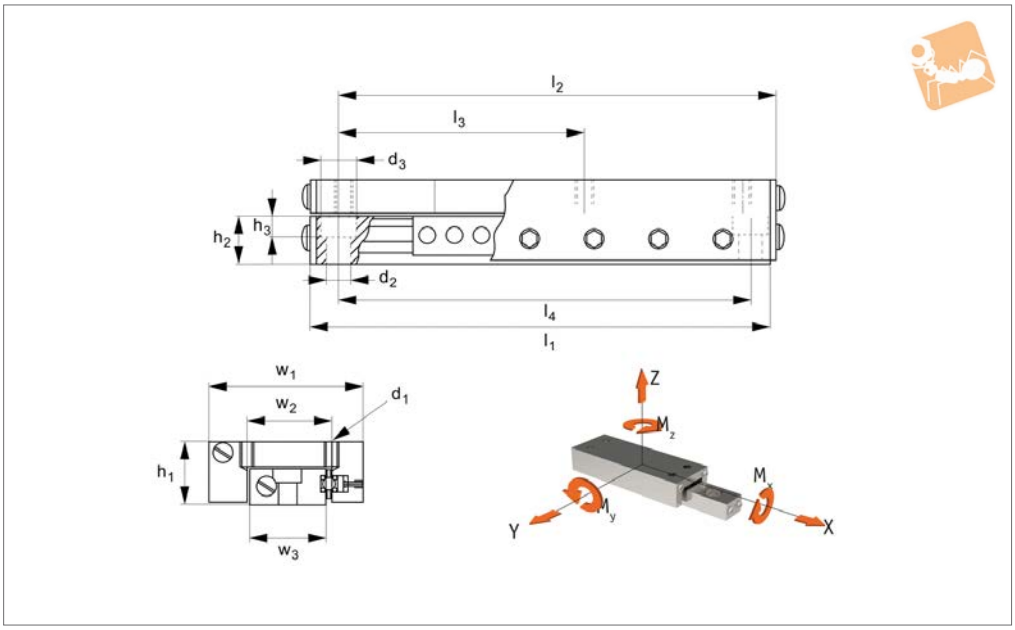
0333 207 4498
sales@automotioncomponents.co.uk

Ball Slide Assemblies
precision

L1028



Material
Aluminium carriage and base.
Hardened stainless steel balls, shafts and preload gibs.

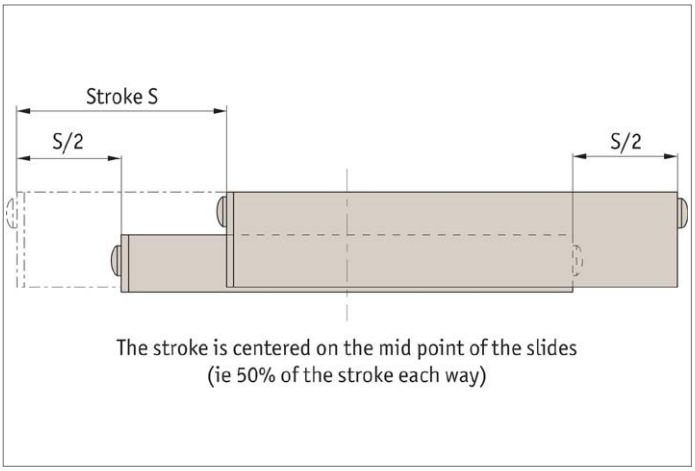
Technical Notes
Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 1µ.
Coefficient of friction: 0,002.

Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	w_3	Weight g
L1028.025-025	25	5.4	25.4	65.0	12.7	57	-	57	10	6.4	10.2	57
L1028.025-050	50	9.1	25.4	90.4	12.7	83	-	83	10	6.4	10.2	79
L1028.025-075	75	10.0	25.4	115.8	12.7	108	-	108	10	6.4	10.2	102
L1028.045-025	25	9.1	44.5	50.8	19.0	35	-	38	20	10.2	22.1	113
L1028.045-038	38	15.0	44.5	69.9	19.0	54	-	54	20	10.2	22.1	154
L1028.045-050	50	20.0	44.5	82.6	19.0	65	-	65	20	10.2	22.1	186
L1028.045-075	75	25.0	44.5	101.6	19.0	85	-	85	20	10.2	22.1	227
L1028.045-100	100	28.0	44.5	127.0	19.0	115	-	115	20	10.2	22.1	286
L1028.067-025	25	16.0	66.5	66.5	25.4	54	-	54	35	15.5	38.1	295
L1028.067-050	50	29.0	66.5	101.6	25.4	75	-	75	35	15.5	38.1	453
L1028.067-075	75	42.0	66.5	127.0	25.4	100	-	100	35	15.5	38.1	567
L1028.067-100	100	55.0	66.5	152.4	25.4	125	-	125	35	15.5	38.1	680
L1028.067-125	125	63.0	66.5	203.2	25.4	175	-	187	35	15.5	38.1	794
L1028.067-150	150	70.0	66.5	228.6	25.4	150	75	178	35	15.5	38.1	1021
L1028.127-075	75	42.0	127.0	127.0	25.4	100	50	100	100	15.5	98.3	1021
L1028.127-125	125	64.0	127.0	177.8	25.4	150	75	150	100	15.5	98.3	1474
L1028.127-175	175	77.0	127.0	228.6	25.4	200	100	200	100	15.5	98.3	1928

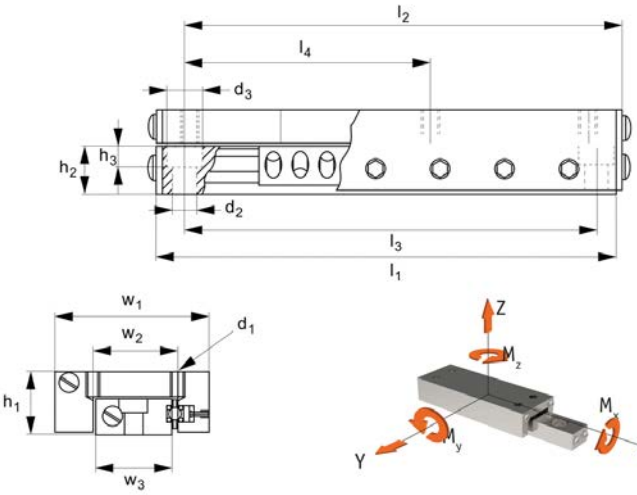
Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1028.025-025	3.4	3.5	6.1	M4	0.3	1.0	1.0
L1028.025-050	3.4	3.5	6.1	M4	0.6	2.0	2.7
L1028.025-075	3.4	3.5	6.1	M4	0.8	3.2	3.7
L1028.045-025	4.4	4.6	8.1	M4	1.0	0.9	0.9
L1028.045-038	4.4	4.6	8.1	M4	1.4	2.0	2.1
L1028.045-050	4.4	4.6	8.1	M4	2.0	3.3	3.5
L1028.045-075	4.4	4.6	8.1	M4	2.5	4.7	4.9
L1028.045-100	4.4	4.6	8.1	M4	2.9	9.5	10.0
L1028.067-025	5.3	5.8	10	M5	2.5	1.9	2.0

Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1028.067-050	5.3	5.8	10	M5	5.1	6.9	7.2
L1028.067-075	5.3	5.8	10	M5	7.2	12.5	13.1
L1028.067-100	5.3	5.8	10	M5	9.7	20.5	21.5
L1028.067-125	5.3	5.8	10	M5	11.1	32.0	33.6
L1028.067-150	5.3	5.8	10	M5	12.3	40.3	42.3
L1028.127-075	6.2	7.1	11	M6	8.3	14.4	15.1
L1028.127-125	6.2	7.1	11	M6	16.4	61.0	61.8
L1028.127-175	6.2	7.1	11	M6	17.8	71.0	74.5



Crossed Roller Slides
precision

L1029



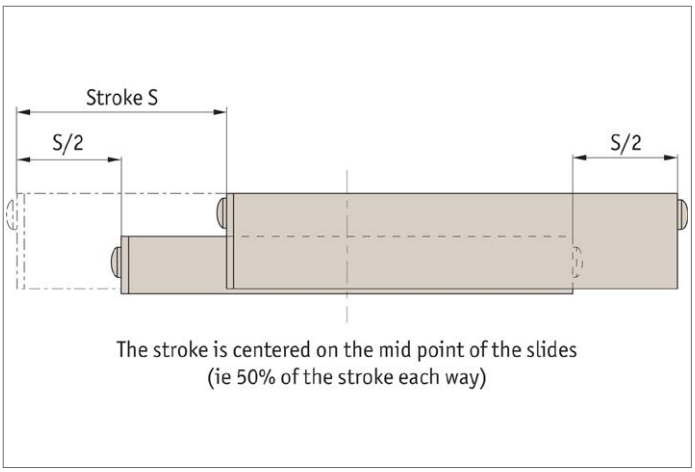
Material
Aluminium carriage and base.
Hardened stainless steel rollers, shafts and preload gibs.

Technical Notes
Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 1µ.
Coefficient of friction: 0,002.

Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	w_3	Weight g
L1029.045-025	25	36	44.5	50.8	19.0	35	38	-	20	10.2	22.1	127
L1029.045-050	50	54	44.5	82.6	19.0	65	65	-	20	10.2	22.1	209
L1029.045-075	75	59	44.5	101.6	19.0	85	85	-	20	10.2	22.1	254
L1029.045-100	100	64	44.5	127.0	19.0	115	115	-	20	10.2	22.1	286
L1029.067-025	25	95	67	66.5	25.4	54	54	-	35	15.5	38.1	299
L1029.067-050	50	109	67	101.6	25.4	75	75	-	35	15.5	38.1	454
L1029.067-075	75	154	67	127.0	25.4	100	100	-	35	15.5	38.1	567
L1029.067-100	100	173	67	152.4	25.4	125	125	-	35	15.5	38.1	680
L1029.067-125	125	186	67	203.2	25.4	175	187	-	35	15.5	38.1	907
L1029.127-075	75	100	127	127.0	25.4	100	100	50	100	15.5	6.2	1021
L1029.127-125	125	109	127	177.8	25.4	150	150	75	100	15.5	6.2	1474
L1029.127-175	175	118	127	228.6	25.4	200	200	100	100	15.5	6.2	1928

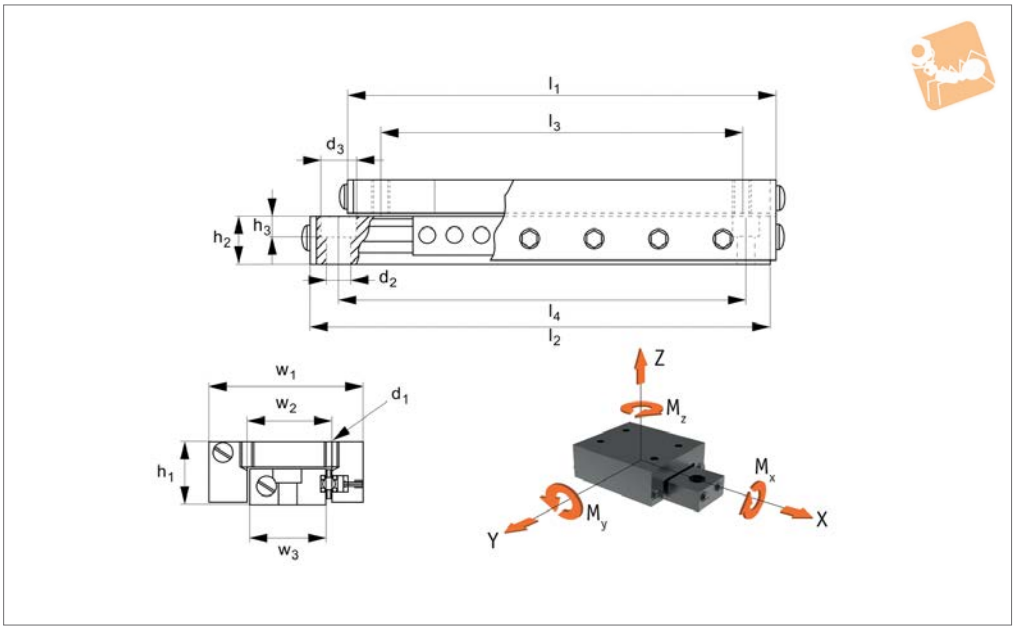
Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1029.045-025	4.6	M4	4.6	8.1	4.4	4.7	4.9
L1029.045-050	4.6	M4	4.6	8.1	5.9	9.4	9.8
L1029.045-075	4.6	M4	4.6	8.1	6.9	10.9	11.4
L1029.045-100	4.6	M4	4.6	8.1	7.7	12.1	12.7
L1029.067-025	5.3	M5	5.8	10	18.1	15.0	15.8
L1029.067-050	5.3	M5	5.8	10	24.1	30.1	31.6
L1029.067-075	5.3	M5	5.8	10	30.2	50.1	52.6
L1029.067-100	5.3	M5	5.8	10	45.9	62.6	65.8
L1029.067-125	5.3	M5	5.8	10	41.3	72.0	75.6
L1029.127-075	6.2	M6	7.1	11	19.3	72.2	73.8
L1029.127-125	6.2	M6	7.1	11	21.2	79.4	81.1
L1029.127-175	6.2	M6	7.1	11	23.0	92.8	97.4



The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

Low Profile Ball Slide Assemblies
high precision

L1030



Material
Aluminium carriage and base.
Hardened stainless steel balls, shafts and preload gibs.

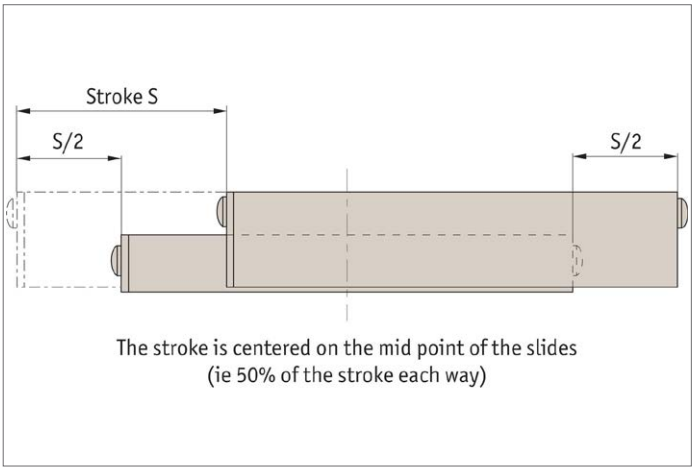
Technical Notes
Straight line accuracy: 1µ/25mm of travel.
Positional repeatability: 0.5µ.
Coefficient of friction: 0,002.
Carriage surface flat to 3µ/25mm. Carriage and base ground to optical flatness.

Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	w_3	Weight g
L1030.025-013	13	3.6	25.4	25.4	12.7	31.8	15	20	CL	6.1	10.2	27
L1030.025-025	25	6.8	25.4	44.5	12.7	50.8	35	40	CL	6.1	10.2	50
L1030.025-038	38	11	25.4	63.5	12.7	69.9	54	57	CL	6.1	10.2	73
L1030.025-050	50	14	25.4	82.6	12.7	88.8	70	75	CL	6.1	10.2	91
L1030.045-025	25	11	44.5	50.8	19.0	57.2	35	40	20	10.2	22.1	127
L1030.045-038	38	14	44.5	69.9	19.0	76.2	54	57	20	10.2	22.1	172
L1030.045-050	50	19	44.5	82.6	19.0	88.9	65	70	20	10.2	22.1	209
L1030.045-075	75	23	44.5	101.6	19.0	108.0	85	90	20	10.2	22.1	254
L1030.067-025	25	33	66.5	66.5	25.4	66.5	54	54	35	15.7	38.1	299
L1030.067-050	50	38	66.5	101.6	25.4	111.0	75	85	35	15.7	38.1	454
L1030.067-075	75	46	66.5	127.0	25.4	136.4	100	110	35	15.7	38.1	567
L1030.067-100	100	60	66.5	152.4	25.4	161.8	125	135	35	15.7	38.1	680
L1030.067-125	125	66	66.5	203.2	25.4	212.6	178	190	35	15.7	38.1	907
L1030.089-050	50	59	88.9	101.6	34.9	114.3	50	65	50	15.7	50.3	907
L1030.089-075	75	64	88.9	146.1	34.9	158.8	95	110	50	15.7	50.3	1306
L1030.089-125	125	73	88.9	203.2	34.9	215.9	150	175	50	15.7	50.3	1814
L1030.089-165	165	79	88.9	260.4	34.9	273.1	210	225	50	15.7	50.3	2327
L1030.089-225	225	91	88.9	355.6	34.9	368.3	305	320	50	15.7	50.3	3175
L1030.146-125	125	68	146.1	209.6	50.8	222.3	150	175	100	24.9	94.0	4536
L1030.146-175	175	82	146.1	304.8	50.8	317.5	250	275	100	24.9	94.0	6586
L1030.146-250	250	102	146.1	381.0	50.8	393.7	330	350	100	24.9	94.0	8233

Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1030.025-013	3.4	M3	3.5	6.1	0.3	0.4	0.40
L1030.025-025	3.4	M3	3.5	6.1	0.4	1.0	1.1
L1030.025-038	3.4	M3	3.5	6.1	0.5	1.8	1.8
L1030.025-050	3.4	M3	3.5	6.1	0.7	2.6	3.7
L1030.045-025	4.6	M4	4.6	8.1	1.0	0.9	0.9

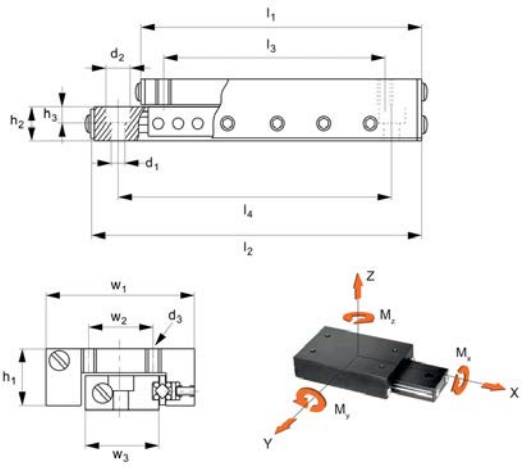
Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1030.045-038	4.6	M4	4.6	8.1	1.4	2.0	2.1
L1030.045-050	4.6	M4	4.6	8.1	2.0	3.3	3.5
L1030.045-075	4.6	M4	4.6	8.1	2.5	4.7	4.9
L1030.067-025	5.3	M5	5.8	10.0	4.6	3.8	4.0
L1030.067-050	5.3	M5	5.8	10.0	6.9	9.3	9.8
L1030.067-075	5.3	M5	5.8	10.0	8.4	14.5	15.3
L1030.067-100	5.3	M5	5.8	10.0	10.9	23.0	24.1
L1030.067-125	5.3	M5	5.8	10.0	11.9	34.4	36.1
L1030.089-050	5.3	M5	5.8	10.0	11.1	32.0	33.6
L1030.089-075	5.3	M5	5.8	10.0	12.4	40.3	42.4
L1030.089-125	5.3	M5	5.8	10.0	14.1	52.6	53.7
L1030.089-165	5.3	M5	5.8	10.0	15.2	61.5	64.5
L1030.089-225	5.3	M5	5.8	10.0	16.9	81.1	85.1
L1030.146-125	6.2	M6	7.1	11.0	16.2	60.5	61.8
L1030.146-175	6.2	M6	7.1	11.0	17.5	70.7	74.2
L1030.146-250	6.2	M6	7.1	11.0	19.4	93.2	97.9



The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

Low Profile Crossed Roller Table
high precision

L1032



Material
Aluminium carriage and base.
Hardened stainless steel rollers, shafts and preload gibs.

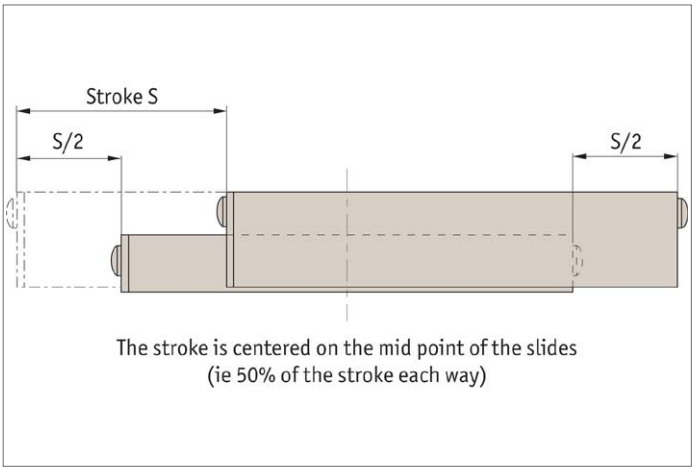
Technical Notes
Crossed roller design greatly increases load capacity.
Straight line accuracy: 1µ/25mm of travel.
Positional repeatability: 0,5µ.
Coefficient of friction: 0,002.
Carriage surface flat to 3µ/25mm.
Carriage and base ground to optical flatness.

Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

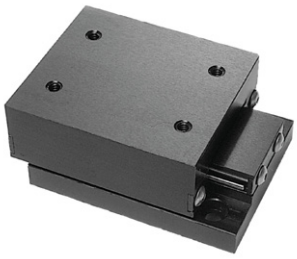
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	Weight g
L1032.045-025	25	41	44.5	50.8	19.1	57.2	35	40	20	10.2	127
L1032.045-038	38	52	44.5	69.9	19.1	76.2	54	57	20	10.2	172
L1032.045-050	50	59	44.5	82.6	19.1	88.9	65	70	20	10.2	209
L1032.045-075	75	64	44.5	101.6	19.1	108.0	85	90	20	10.2	254
L1032.067-025	25	100	66.5	66.5	25.4	66.5	54	54	35	15.7	299
L1032.067-050	50	114	66.5	101.6	25.4	111.0	75	85	35	15.7	454
L1032.067-075	75	159	66.5	127.0	25.4	136.4	100	110	35	15.7	567
L1032.067-100	100	177	66.5	152.4	25.4	161.8	125	135	35	15.7	680
L1032.067-125	125	191	66.5	203.2	25.4	212.6	178	190	35	15.7	907
L1032.089-050	50	118	88.9	101.6	44.5	114.3	50	65	50	15.7	907
L1032.089-075	75	127	88.9	146.1	44.5	158.8	95	110	50	15.7	1306
L1032.089-125	125	145	88.9	203.2	44.5	215.9	150	175	50	15.7	1814
L1032.089-165	165	159	88.9	260.4	44.5	273.1	210	225	50	15.7	2327
L1032.089-225	225	182	88.9	355.6	44.5	368.3	305	320	50	15.7	3175
L1032.146-125	125	136	146.1	209.6	60.03	222.3	150	175	100	24.9	4536
L1032.146-175	175	163	146.1	304.8	60.03	317.5	250	275	100	24.9	6586
L1032.146-250	250	204	146.1	381.0	60.03	393.7	330	350	100	24.9	8232

Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1032.045-025	22.1	4.6	M4	4.6	8.1	5.0	5.3	5.6
L1032.045-038	22.1	4.6	M4	4.6	8.1	5.6	8.3	8.6
L1032.045-050	22.1	4.6	M4	4.6	8.1	6.7	10.6	11.1
L1032.045-075	22.1	4.6	M4	4.6	8.1	7.8	12.4	12.9
L1032.067-025	38.1	5.3	M5	5.8	10.0	17.8	14.8	15.6
L1032.067-050	38.1	5.3	M5	5.8	10.0	20.3	25.4	26.4
L1032.067-075	38.1	5.3	M5	5.8	10.0	28.3	47.1	49.4
L1032.067-100	38.1	5.3	M5	5.8	10.0	37.6	65.6	68.9
L1032.067-125	38.1	5.3	M5	5.8	10.0	43.2	75.4	79.2

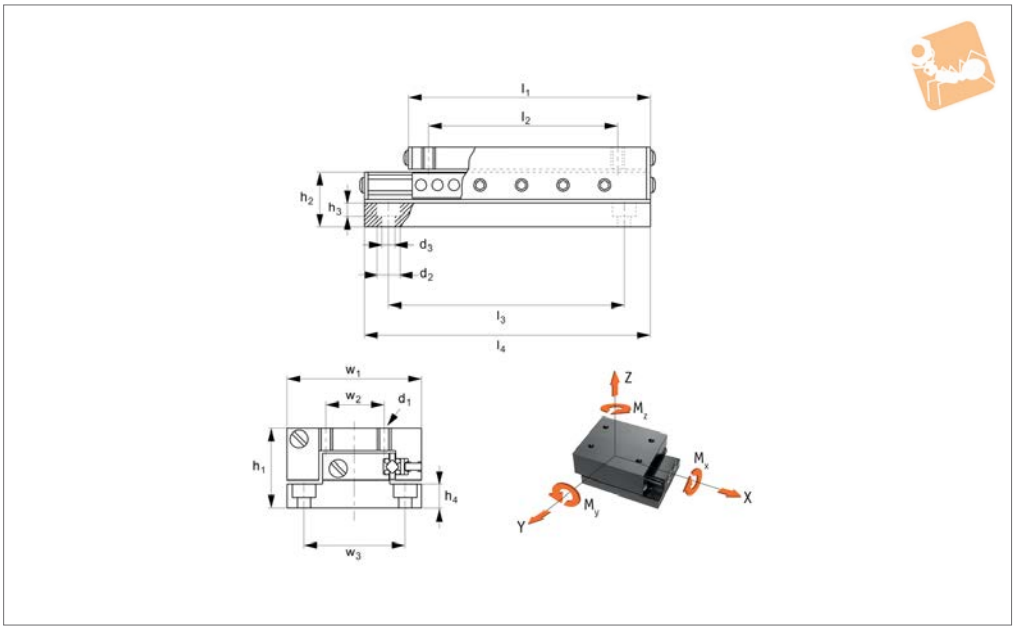
Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1032.089-050	50.3	5.3	M5	5.8	10.0	19.4	56.0	5.86
L1032.089-075	50.3	5.3	M5	5.8	10.0	21.6	70.5	74.1
L1032.089-125	50.3	5.3	M5	5.8	10.0	24.5	92.0	93.9
L1032.089-165	50.3	5.3	M5	5.8	10.0	26.6	108	113
L1032.089-225	50.3	5.3	M5	5.8	10.0	29.5	142	149
L1032.146-125	94.0	6.2	M6	7.1	11.0	28.2	106	108
L1032.146-175	94.0	6.2	M6	7.1	11.0	30.6	124	130
L1032.146-250	94.0	6.2	M6	7.1	11.0	33.9	163	171



Flanged Ball Slide Assemblies
high precision



L1034



Material
Aluminium carriage and base.
Hardened stainless steel balls, shafts and preload gibs.

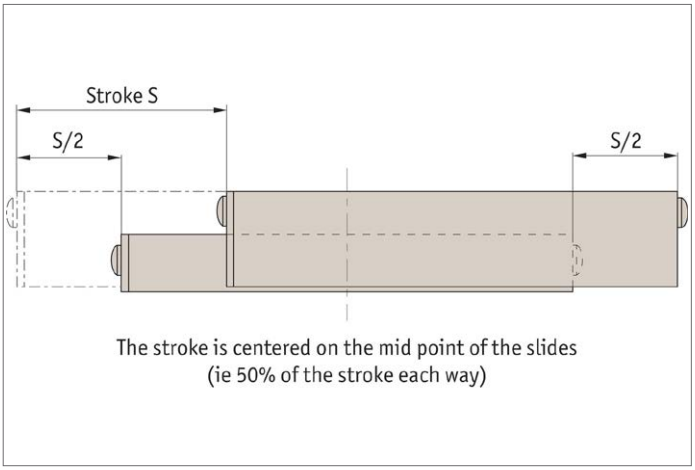
Technical Notes
Flange base allows easy mounting and extra stability.
Straight line accuracy: 1µ/25mm of travel.
Positional repeatability: 0,5µ.
Coefficient of friction: 0,002.
Carriage surface flat to 3µ/25mm.
Carriage and base ground to optical flatness.

Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	Weight g
L1034.025-013	13	3.6	25.4	25.4	19.1	15	20	31.8	Centre	12.7	36
L1034.025-025	25	6.8	25.4	44.5	19.1	35	40	50.8	Centre	12.7	64
L1034.025-038	38	11.0	25.4	63.5	19.1	54	57	69.9	Centre	12.7	91
L1034.025-050	50	14.0	25.4	82.6	19.1	70	75	88.9	Centre	12.7	118
L1034.045-025	25	11.0	44.5	50.8	26.2	35	40	57.2	20	17.3	172
L1034.045-038	38	14.0	44.5	69.9	26.2	54	57	76.2	20	17.3	236
L1034.045-050	50	19.0	44.5	82.6	26.2	65	70	88.9	20	17.3	277
L1034.045-075	75	23.0	44.5	101.6	26.2	85	90	108.0	20	17.3	340
L1034.067-025	25	33.0	66.5	66.5	34.9	54	54	66.5	35	25.4	413
L1034.067-050	50	38.0	66.5	101.6	34.9	75	85	111.0	35	25.4	635
L1034.067-075	75	46.0	66.5	127.0	34.9	100	110	136.4	35	25.4	794
L1034.067-100	100	60.0	66.5	152.4	34.9	125	135	161.8	35	25.4	953
L1034.067-125	125	66.0	66.5	203.2	34.9	178	190	212.6	35	25.4	1270
L1034.089-050	50	59.0	88.9	101.6	44.5	50	65	114.3	50	25.0	1134
L1034.089-075	75	64.0	88.9	146.1	44.5	95	110	158.8	50	25.0	1628
L1034.089-125	125	73.0	88.9	203.2	44.5	150	175	215.9	50	25.0	2268
L1034.089-165	165	79.0	88.9	260.4	44.5	210	225	273.1	50	25.0	2908
L1034.089-225	225	91.0	88.9	355.6	44.5	305	320	368.3	50	25.0	3969

Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1034.025-013	19	3.4	M3	6.1	3.5	0.3	0.4	0.4
L1034.025-025	19	3.4	M3	6.1	3.5	0.4	1.0	1.1
L1034.025-038	19	3.4	M3	6.1	3.5	0.5	1.8	1.8
L1034.025-050	19	3.4	M3	6.1	3.5	0.7	2.6	3.7
L1034.045-025	33	4.6	M4	8.1	4.6	1.0	0.9	0.9
L1034.045-038	33	4.6	M4	8.1	4.6	1.4	2.0	2.1
L1034.045-050	33	4.6	M4	8.1	4.6	2.0	3.3	3.5
L1034.045-075	33	4.6	M4	8.1	4.6	2.5	4.7	4.9

Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1034.067-025	52	5.3	M5	10.0	5.8	4.6	3.8	4.0
L1034.067-050	52	5.3	M5	10.0	5.8	6.9	9.3	9.8
L1034.067-075	52	5.3	M5	10.0	5.8	8.4	14.5	15.2
L1034.067-100	52	5.3	M5	10.0	5.8	10.8	22.9	24.1
L1034.067-125	52	5.3	M5	10.0	5.8	11.9	34.4	36.1
L1034.089-050	70	5.3	M5	10.0	5.8	11.1	32.0	33.6
L1034.089-075	70	5.3	M5	10.0	5.8	12.3	40.3	42.3
L1034.089-125	70	5.3	M5	10.0	5.8	14.0	52.5	53.7
L1034.089-165	70	5.3	M5	10.0	5.8	15.2	61.4	64.5
L1034.089-225	70	5.3	M5	10.0	5.8	16.8	81.0	85.1

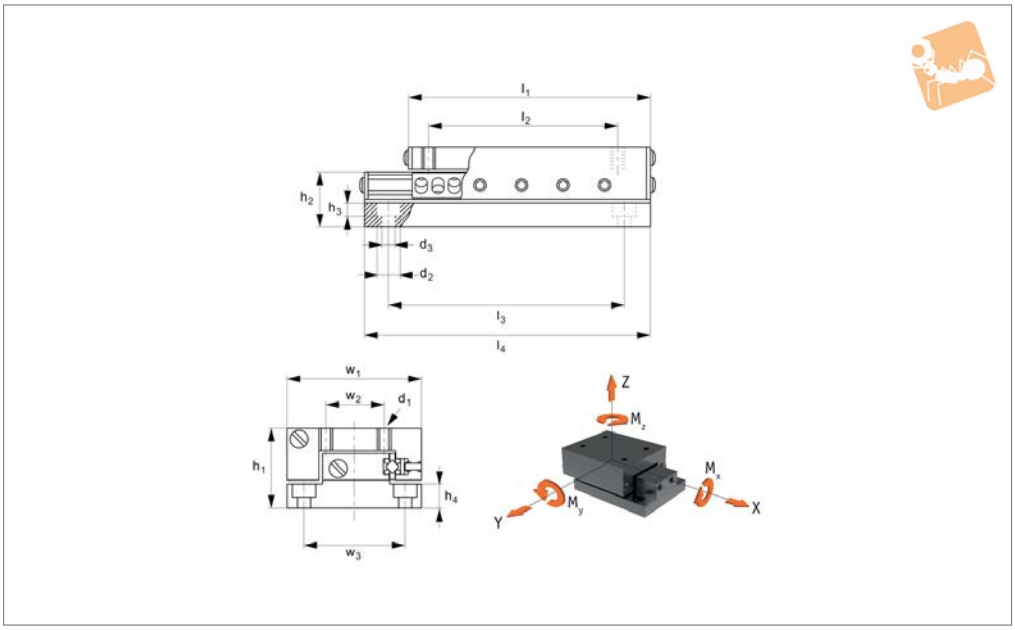


The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

Flanged Crossed Roller Slides

wide base, high precision

L1036



Material

Aluminium carriage and base.
Hardened stainless steel rollers, shafts and preload gibs.

Technical Notes

Flanged base with cross rollers offers the ultimate in accuracy, capacity and stability.
Straight line accuracy: 1µ/25mm of travel.
Positional repeatability: 0,5µ.
Coefficient of friction: 0,002.
Carriage surface flat to 3µ/25mm.
Carriage and base ground to optical flatness.

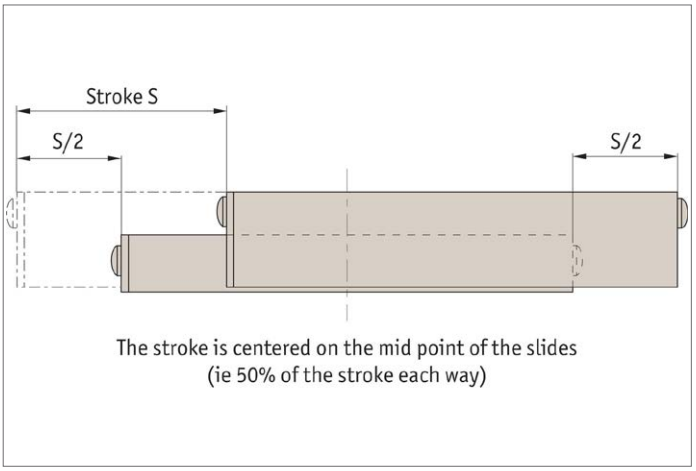
Tips

Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	Weight g
L1036.045-025	25	41	44.5	50.8	26.2	57.2	35	40	20	17.3	172
L1036.045-038	38	52	44.5	69.9	26.2	76.2	54	57	20	17.3	236
L1036.045-050	50	59	44.5	82.6	26.2	88.9	65	70	50	17.3	277
L1036.045-075	75	64	44.5	101.6	26.2	108.0	85	90	20	17.3	340
L1036.067-025	25	100	66.5	66.9	34.9	66.5	54	54	35	25.4	413
L1036.067-050	50	114	66.5	101.6	34.9	111.0	75	85	35	25.4	635
L1036.067-075	75	159	66.5	127.0	34.9	136.4	100	110	35	25.4	794
L1036.067-100	100	177	66.5	152.4	34.9	161.8	125	135	35	25.4	953
L1036.067-125	125	191	66.5	203.2	34.9	212.6	178	190	35	25.4	1270
L1036.089-050	50	118	88.9	101.6	44.5	114.3	50	65	50	25.0	1134
L1036.089-075	75	127	88.9	146.1	44.5	158.8	95	110	50	25.0	1628
L1036.089-125	125	145	88.9	203.2	44.5	215.9	150	175	50	25.0	2268
L1036.089-165	165	159	88.9	260.4	44.5	273.1	210	225	50	25.0	2908
L1036.089-225	225	182	88.9	355.6	44.5	368.3	305	320	50	25.0	3969
L1036.146-125	125	136	146.1	209.6	60.3	222.3	150	175	100	34.3	5443
L1036.146-175	175	163	146.1	304.8	60.3	317.5	250	275	100	34.3	7893
L1036.146-250	250	204	146.1	381.0	60.3	393.7	330	350	100	34.3	9870

Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	h_4	Moment M_y Nm max.	Moment M_z Nm max.
L1036.045-025	33	7.1	M4	4.6	8.1	5.04	4.6	5.31	5.58
L1036.045-038	33	7.1	M4	4.6	8.1	5.61	4.6	8.29	8.58
L1036.045-050	33	7.1	M4	4.6	8.1	6.73	4.6	10.6	11.1
L1036.045-075	33	7.1	M4	4.6	8.1	7.85	4.6	12.4	13.0
L1036.067-025	52	9.4	M5	5.8	10.0	17.9	5.3	14.9	15.6
L1036.067-050	52	9.4	M5	5.8	10.0	20.4	5.3	25.4	26.7
L1036.067-075	52	9.4	M5	5.8	10.0	28.4	5.3	47.1	49.5
L1036.067-100	52	9.4	M5	5.8	10.0	37.7	5.3	65.6	68.9
L1036.067-125	52	9.4	M5	5.8	10.0	43.3	5.3	75.5	79.2

Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	h_4	Moment M_y Nm max.	Moment M_z Nm max.
L1036.089-050	70	9.4	M5	5.8	10.0	19.5	5.3	56.1	58.9
L1036.089-075	70	9.4	M5	5.8	10.0	21.6	5.3	70.6	74.1
L1036.089-125	70	9.4	M5	5.8	10.0	24.6	5.3	92.0	94.0
L1036.089-165	70	9.4	M5	5.8	10.0	26.7	5.3	108	112
L1036.089-225	70	9.4	M5	5.8	10.0	29.6	5.3	142	158
L1036.146-125	127	9.4	M6	7.1	11.0	28.3	6.2	106	108
L1036.146-175	127	9.4	M6	7.1	11.0	30.7	6.2	124	130
L1036.146-250	127	9.4	M6	7.1	11.0	34.0	6.2	163	171

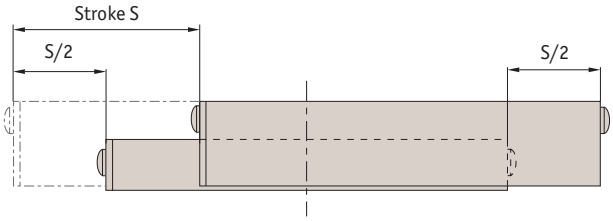


Linear Tables

Overview

Factors affecting stage selections...

- Size and weight of load
- Moment loads
- Stroke required
- Accuracy required
- Usage conditions of water, chemicals, shock loads etc.



The stroke is centred on the mid point of the slides (i.e. 50% of the stroke each way).

Generally ball slides are less expensive but cross roller slides can carry 8 to 10 times the load of ball slides.

A selection...

L1020 Crossed roller tables	L1022/23 Cross roller table	L1024 Ball slide tables
 Steel and aluminium, accuracy typically 5µ.	 Stainless Steel, accuracy typically 3µ.	 Aluminium, accuracy typically 12µ.
L1026 **Crossed roller slide tables**	**L1028** **Precision ball slide tables**	**L1029** **Precision crossed roller tables**
 Aluminium, accuracy typically 5µ.	 Aluminium, accuracy typically 3µ.	 Aluminium, accuracy typically 3µ.
L1034 **Flanged ball slide tables - precision**	**L1038** **Anti-creep ball slide tables**	**L1039** **Non-magnetic ball slide**
 With flange accuracy to 1µ.	 Special anti-creep function prevents cage misalignment.	 Non-magnetic accuracy typically 3µ.

Steel - L1020

- Standard steel / cast iron

Aluminium - L1021

- Lower weight, lower profile
- Good for high accelerations

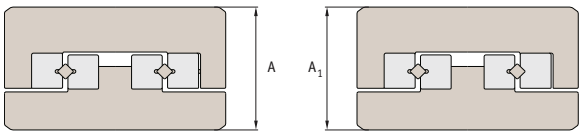
Stainless steel - L1022 + L1023

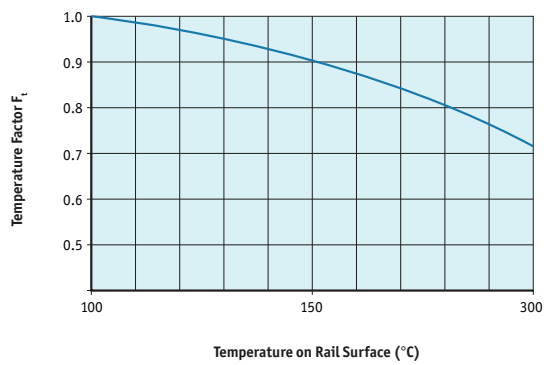
- Stainless steel (440C+Ni) corrosion resistant

Rated life

$$L\,(Km) = \left(\frac{F_t \cdot C}{F_w P_c}\right)^{3.33} \times 100$$

F_t = temperature factor
F_w = load factor
C = basic dynamic load (kN) see tables
P_c = radial load (kN)



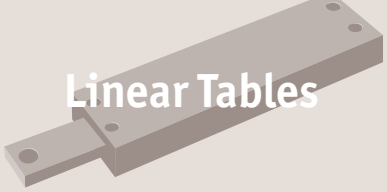


Height tolerance:

- Height ±100µ
- Motorised parts ±10µ
- Strokes from 10 to 950mm
- Loads to 48kN

Load factor F_w

Shock	Speed	F_w
None	Very slow	1.0 - 1.2
Small	Slow	1.2 - 1.5



Cross Roller Linear Tables

Technical

Technical accuracy measurments

- High accuracy.
- Low friction: virtually frictionless. Providing stable performance at lower high speeds.
- Rigid: incorporating cross roller linear rails to provide high load capacity as well as high moment load capacity.
- Installation: easy to install with pre-drilled holes in carriage and base. Ensure mounting surface faces are accurately machined.

Table accuracy (µ)			Rail accuracy (µ)		
Table length	Carriage top parallelism	Carriage side parallelism	N tolerance	M tolerance	Straightness
0-50	2	4			2
50-100	2	5			2
100-150	3	6			3
150-200	3	7			3
200-250	3	7			3
250-300	3	7	-15	-30	3
300-350	4	8	-35	-70	4
350-400	4	8			4
400-450	4	8			4
450-500	4	8			4
500-550	4	9			4
550-600	4	9			4