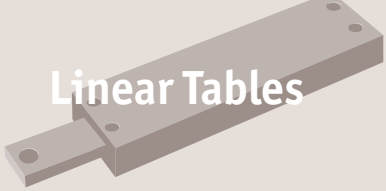


Size + Weight

For light/medium loads

L1020-L1037

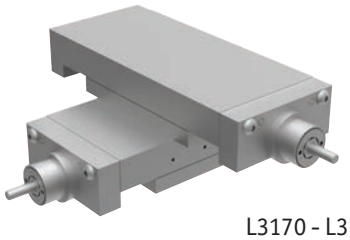
For heavy duty loads and motorised

L3000-L3500

Ball roller versions

L1024 - L1038

Needle roller & dovetail stage

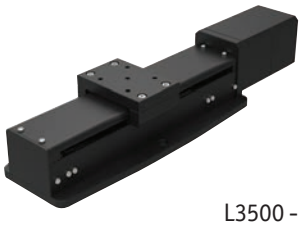


L3170 - L3194

Cross roller versions

L1020 - L1026

Motorised stages



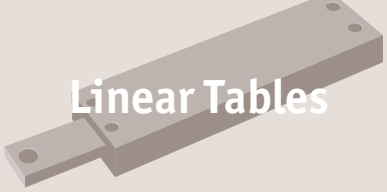
L3500 - L3510

Stainless steel versions

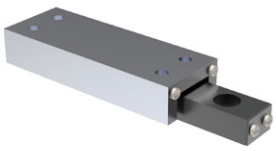
L1022 - L1023

Micrometer driven stages

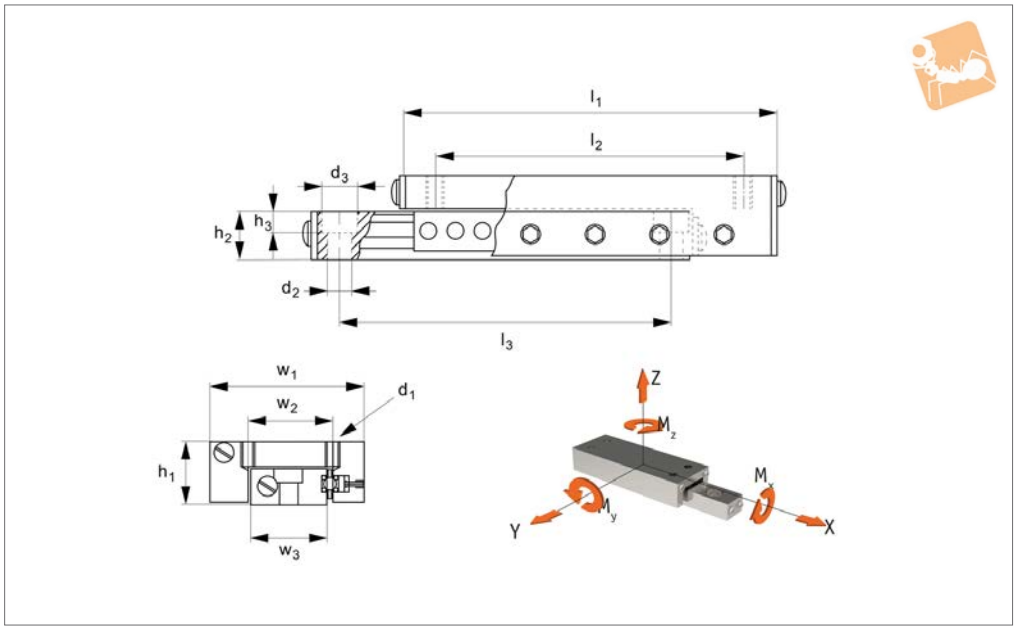
L3100 - L3123



Ball Slide Assemblies
standard precision



L1024



Material
Aluminium carriage clear anodized, base black anodized.
Hardened steel shafts and balls, mild steel end caps.

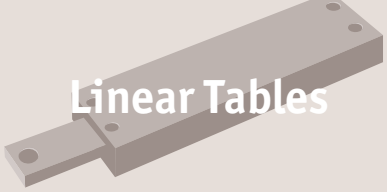
Technical Notes
Straight line accuracy: 13µ/25mm travel.
Positional repeatability: 5µ.
Coefficient of friction 0,003 typical.

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	w_2	h_2	w_3	l_3	Weight g
L1024.010-008	8	0.34	9.5	13.3	5.8	6.0	4.0	3.4	4.0	6.0	2
L1024.010-013	13	0.68	9.5	19.0	5.8	13.0	4.0	3.4	4.0	10.0	3
L1024.010-025	25	0.68	9.5	32.0	5.8	26.0	4.0	3.4	4.0	20.0	4
L1024.010-038	38	0.68	9.5	44.0	5.8	37.0	4.0	3.4	4.0	30.0	7
L1024.014-013	13	2	14.2	27.0	8.0	15.0	6.0	4.7	6.4	19.0	9
L1024.014-025	25	4	14.2	52.0	8.0	41.0	6.0	4.7	6.4	35.0	14
L1024.014-050	50	5	14.2	78.0	8.0	66.0	6.0	4.7	6.4	60.0	23
L1024.014-075	75	6	14.2	103.0	8.0	92.0	6.0	4.7	6.4	86.0	31
L1024.014-100	100	8	14.2	128.0	8.0	117.0	6.0	4.7	6.4	89.0	34
L1024.014-127	127	8	14.2	154.0	8.0	142.0	6.0	4.7	6.4	114.0	43
L1024.019-013	13	4	19.0	27.0	10.4	15.0	9.0	6.3	9.5	19.0	11
L1024.019-025	25	5	19.0	52.0	10.4	41.0	9.0	6.3	9.5	35.0	26
L1024.019-050	50	5	19.0	78.0	10.4	66.0	9.0	6.3	9.5	60.0	37
L1024.019-075	75	6	19.0	103.0	10.4	92.0	9.0	6.3	9.5	86.0	48
L1024.019-100	100	7	19.0	128.0	10.4	117.0	9.0	6.3	9.5	89.0	60
L1024.019-127	127	8	19.0	154.0	10.4	142.0	9.0	6.3	9.5	114.0	71
L1024.025-013	13	5	25.4	40.0	12.7	32.0	10.0	6.3	12.7	32.0	34
L1024.025-025	25	5	25.4	65.0	12.7	57.0	10.0	6.3	12.7	57.0	48
L1024.025-038	38	6	25.4	78.0	12.7	65.0	10.0	6.3	12.7	65.0	54
L1024.025-050	50	7	25.4	90.0	12.7	82.0	10.0	6.3	12.7	82.0	62
L1024.025-075	75	8	25.4	116.0	12.7	108.0	10.0	6.3	12.7	108.0	142
L1024.027-019	19	7	26.9	40.0	13.4	32.0	10.0	7.9	12.7	28.0	37
L1024.027-038	38	8	26.9	65.0	13.4	57.0	10.0	7.9	12.7	54.0	65
L1024.027-050	50	9	26.9	90.0	13.4	82.0	10.0	7.9	12.7	79.0	85
L1024.027-075	75	11	26.9	116.0	13.4	102.0	10.0	7.9	12.7	82.0	147
L1024.027-100	100	14	26.9	152.0	13.4	140.0	10.0	7.9	12.7	102.0	170
L1024.027-150	150	16	26.9	203.0	13.4	190.0	10.0	7.9	12.7	127.0	198
L1024.027-200	200	18	26.9	254.0	13.4	240.0	10.0	7.9	12.7	178.0	227
L1024.038-025	25	7	38.0	51.0	15.8	35.0	16.0	8.6	19.0	37.0	82
L1024.038-050	50	9	38.0	76.0	15.8	60.0	16.0	8.6	19.0	60.0	122
L1024.038-075	75	11	38.0	102.0	15.8	85.0	16.0	8.6	19.0	85.0	170
L1024.038-088	88	14	38.0	127.0	15.8	110.0	16.0	8.6	19.0	85.0	190

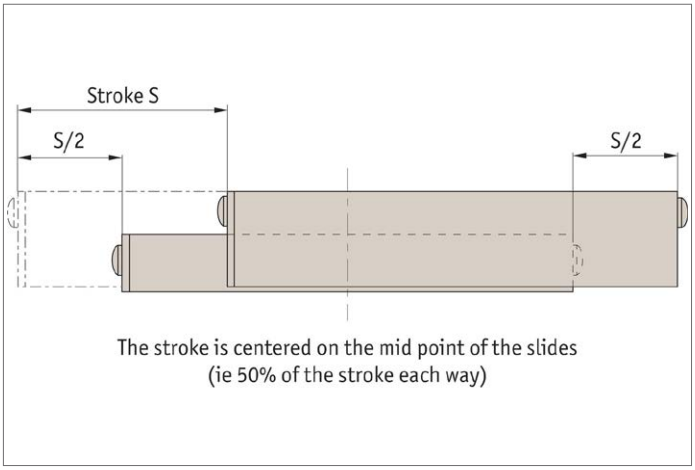
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	w_2	h_2	w_3	l_3	Weight g
L1024.038-100	100	16	38.0	152.0	15.8	136.0	16.0	8.6	19.0	100.0	232
L1024.038-150	150	20	38.0	203.0	15.8	186.0	16.0	8.6	19.0	128.0	261
L1024.038-200	200	25	38.0	254.0	15.8	238.0	16.0	8.6	19.0	178.0	326
L1024.044-025	25	9	44.0	51.0	19.0	35.0	20.0	10.2	22.2	38.0	113
L1024.044-038	38	14	44.0	70.0	19.0	55.0	20.0	10.2	22.2	55.0	170
L1024.044-050	50	19	44.0	83.0	19.0	65.0	20.0	10.2	22.2	65.0	184
L1024.044-075	75	24	44.0	102.0	19.0	85.0	20.0	10.2	22.2	85.0	227
L1024.044-100	100	27	44.0	152.0	19.0	140.0	20.0	10.2	22.2	100.0	335
L1024.044-150	150	34	44.0	203.0	19.0	190.0	20.0	10.2	22.2	126.0	445
L1024.044-200	200	41	44.0	254.0	19.0	240.0	20.0	10.2	22.2	178.0	553
L1024.067-025	25	14	66.5	67.0	25.4	54.0	35.0	15.9	38.1	54.0	283
L1024.067-038	38	16	66.5	67.0	25.4	42.0	35.0	15.9	38.1	42.0	283
L1024.067-050	50	28	66.5	102.0	25.4	75.0	35.0	15.9	38.1	75.0	425
L1024.067-075	75	40	66.5	127.0	25.4	100.0	35.0	15.9	38.1	100.0	590
L1024.067-100	100	54	66.5	152.0	25.4	125.0	35.0	15.9	38.1	125.0	771
L1024.067-127	127	61	66.5	203.0	25.4	175.0	35.0	15.9	38.1	187.0	879
L1024.067-150	150	68	66.5	229.0	25.4	75,0 (x2)	35.0	15.9	38.1	178.0	498
L1024.067-228	228	84	66.5	305.0	25.4	75,0 (x3)	35.0	15.9	38.1	254.0	1318
L1024.067-304	304	93	66.5	381.0	25.4	75,0 (x4)	35.0	15.9	38.1	330.0	1644

Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1024.010-008	M2	M2	-	-	n/a	0.02	0.01	0.01
L1024.010-013	M2	M2	-	-	n/a	0.03	0.01	0.02
L1024.010-025	M2	M2	-	-	n/a	0.04	0.01	0.04
L1024.010-038	M2	M2	-	-	n/a	0.06	0.01	0.05
L1024.014-013	M2	2.2	4.0	2.2	M2	0.1	0.1	0.1
L1024.014-025	M2	2.2	4.0	2.2	M2	0.5	0.1	0.5
L1024.014-050	M2	2.2	4.0	2.2	M2	1.0	0.2	1.0
L1024.014-075	M2	2.2	4.0	2.2	M2	1.6	0.2	1.5
L1024.014-100	M2	2.2	4.0	2.2	M2	2.1	0.2	2.
L1024.014-127	M2	2.2	4.0	2.2	M2	2.7	0.3	2.6
L1024.019-013	M3	3.5	6.1	3.4	M3	0.2	0.2	0.2
L1024.019-025	M3	3.5	6.1	3.4	M3	0.6	0.2	0.5
L1024.019-050	M3	3.5	6.1	3.4	M3	1.0	0.3	1.0
L1024.019-075	M3	3.5	6.1	3.4	M3	1.6	0.3	1.5
L1024.019-100	M3	3.5	6.1	3.4	M3	2.1	0.3	2.0
L1024.019-127	M3	3.5	6.1	3.4	M3	2.7	0.4	2.6
L1024.025-013	M4	3.5	6.1	3.4	M3	2.4	0.3	0.4
L1024.025-025	M4	3.5	6.1	3.4	M3	1.0	0.3	1.0
L1024.025-038	M4	3.5	6.1	3.4	M3	1.2	0.4	1.2
L1024.025-050	M4	3.5	6.1	3.4	M3	1.6	0.4	1.5
L1024.025-075	M4	3.5	6.1	3.4	M3	2.4	0.5	2.3
L1024.027-019	M4	4.6	8.1	4.4	M4	0.5	0.4	0.5
L1024.027-038	M4	4.6	8.1	4.4	M4	1.3	0.5	1.2
L1024.027-050	M4	4.6	8.1	4.4	M4	2.1	0.6	2.0
L1024.027-075	M4	4.6	8.1	4.4	M4	3.3	0.7	3.1
L1024.027-100	M4	4.6	8.1	4.4	M4	5.3	0.4	5.1
L1024.027-150	M4	4.6	8.1	4.4	M4	7.9	1.0	7.5
L1024.027-200	M4	4.6	8.1	4.4	M4	10.9	1.2	10.3
L1024.038-025	M4	4.6	8.1	4.4	M4	0.7	0.6	0.7
L1024.038-050	M4	4.6	8.1	4.4	M4	1.4	0.8	1.4
L1024.038-075	M4	4.6	8.1	4.4	M4	2.4	1.0	2.3
L1024.038-088	M4	4.6	8.1	4.4	M4	3.9	1.2	3.7
L1024.038-100	M4	4.6	8.1	4.4	M4	5.8	1.5	5.5
L1024.038-150	M4	4.6	8.1	4.4	M4	9.6	1.9	9.1
L1024.038-200	M4	4.6	8.1	4.4	M4	14.3	2.3	13.6
L1024.044-025	M4	4.6	8.1	4.4	M4	0.9	1.0	0.9
L1024.044-038	M4	4.6	8.1	4.4	M4	2.1	1.4	2.0
L1024.044-050	M4	4.6	8.1	4.4	M4	3.5	2.0	3.3
L1024.044-075	M4	4.6	8.1	4.4	M4	4.9	2.5	4.7
L1024.044-100	M4	4.6	8.1	4.4	M4	10.0	2.9	10.0
L1024.044-150	M4	4.6	8.1	4.4	M4	16.0	3.6	15.2
L1024.044-200	M4	4.6	8.1	4.4	M4	23.4	4.3	22.3
L1024.067-025	M5	5.8	10.0	5.3	M5	2.0	2.5	1.9
L1024.067-038	M5	5.8	10.0	5.3	M5	2.0	2.9	1.9

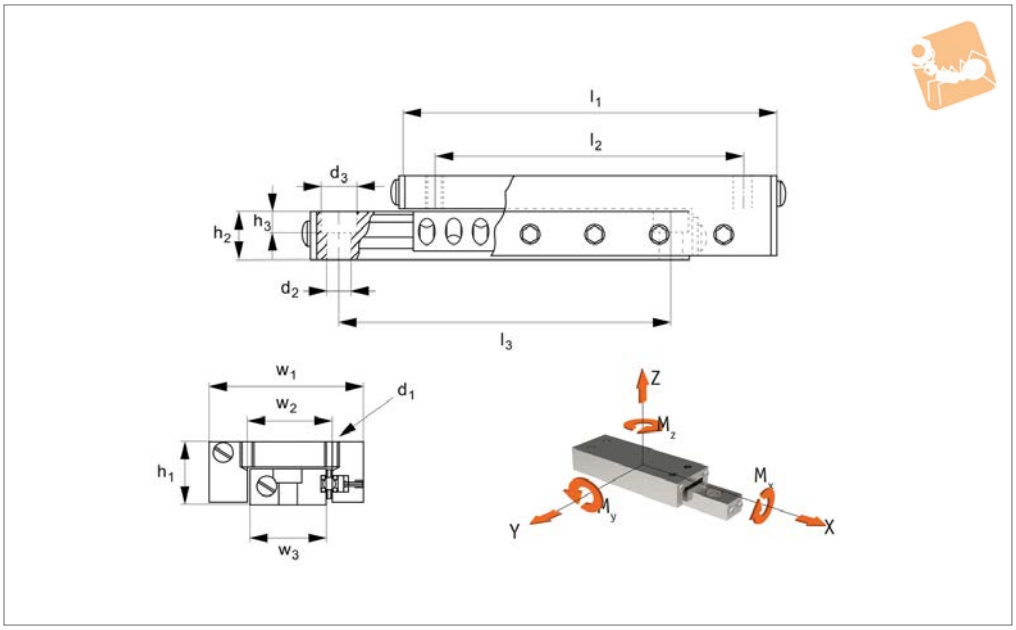


Ball Slide Assemblies
standard precision

Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1024.067-050	M5	5.8	10.0	5.3	M5	7.2	5.11	6.9
L1024.067-075	M5	5.8	10.0	5.3	M5	13.1	7.2	12.5
L1024.067-100	M5	5.8	10.0	5.3	M5	21.5	9.7	20.5
L1024.067-127	M5	5.8	10.0	5.3	M5	33.6	11.1	32.0
L1024.067-150	M5	5.8	10.0	5.3	M5	42.3	12.3	40.3
L1024.067-228	M5	5.8	10.0	5.3	M5	64.5	15.2	61.4
L1024.067-304	M5	5.8	10.0	5.3	M5	85.1	16.8	81.0



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



L1026

Material

Aluminium carriage and base (black anodized).
Hardened steel rods and rollers, stainless steel end caps.

Technical Notes

Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 3µ.
Coefficient of friction: 0,003 typical.

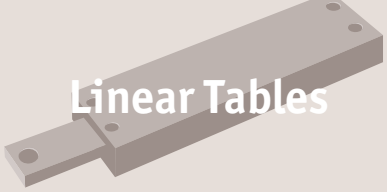
The slides are lightly lubricated during assembly.
Additional lubrication is required for speeds above 30m/min and is advisable at lower speeds where high loads are applied in continuous duty applications.
The slides should be mounted on flat surfaces to provide full support to the base.

At rated load capacity and moderate speeds, expected life is 250km of travel. At half the rated load the expected life is 2,500km.

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	w_2	h_2	w_3	l_3	Weight g
L1026.014-013	13	14	14.2	27.0	8.0	15.0	6.0	4.7	6.4	19.0	11
L1026.014-025	25	25	14.2	52.0	8.0	41.0	6.0	4.7	6.4	35.0	17
L1026.014-050	50	30	14.2	78.0	8.0	66.0	6.0	4.7	6.4	60.0	26
L1026.014-075	75	32	14.2	103.0	8.0	92.0	6.0	4.7	6.4	86.0	34
L1026.014-100	100	36	14.2	129.0	8.0	117.0	6.0	4.7	6.4	89.0	37
L1026.014-127	127	41	14.2	154.0	8.0	143.0	6.0	4.7	6.4	114.0	45
L1026.019-013	13	22	19.0	27.0	10.4	15.0	9.0	6.3	9.5	19.0	14
L1026.019-025	25	35	19.0	52.0	10.4	41.0	9.0	6.3	9.5	35.0	28
L1026.019-050	50	42	19.0	78.0	10.4	66.0	9.0	6.3	9.5	60.0	40
L1026.019-075	75	44	19.0	103.0	10.4	92.0	9.0	6.3	9.5	86.0	51
L1026.019-100	100	47	19.0	129.0	10.4	117.0	9.0	6.3	9.5	89.0	62
L1026.019-127	127	49	19.0	154.0	10.4	142.0	9.0	6.3	9.5	114.0	74
L1026.025-013	13	32	25.4	40.0	12.7	32.0	10.0	6.3	12.7	32.0	37
L1026.025-025	25	35	25.4	65.0	12.7	57.0	10.0	6.3	12.7	57.0	51
L1026.025-038	38	35	25.4	78.0	12.7	65.0	10.0	6.3	12.7	65.0	57
L1026.025-050	50	38	25.4	90.0	12.7	82.0	10.0	6.3	12.7	82.0	65
L1026.025-075	75	41	25.4	116.0	12.7	108.0	10.0	6.3	12.7	108.0	79
L1026.027-019	19	50	26.9	40.0	13.4	32.0	10.0	7.9	12.7	28.0	40
L1026.027-038	38	60	26.9	65.0	13.4	57.0	10.0	7.9	12.7	54.0	68
L1026.027-050	50	100	26.9	90.0	13.4	82.0	10.0	7.9	12.7	79.0	88
L1026.027-075	75	120	26.9	116.0	13.4	102.0	10.0	7.9	12.7	82.0	150
L1026.027-100	100	129	26.9	152.0	13.4	140.0	10.0	7.9	12.7	102.0	173
L1026.027-150	150	135	26.9	203.0	13.4	190.0	10.0	7.9	12.7	127.0	204
L1026.027-200	200	145	26.9	254.0	13.4	240.0	10.0	7.9	12.7	178.0	232
L1026.038-025	25	59	38.0	51.0	15.8	35.0	16.0	8.6	19.0	37.0	85
L1026.038-050	50	79	38.0	76.0	15.8	60.0	16.0	8.6	19.0	60.0	128
L1026.038-075	75	79	38.0	102.0	15.8	85.0	16.0	8.6	19.0	85.0	176

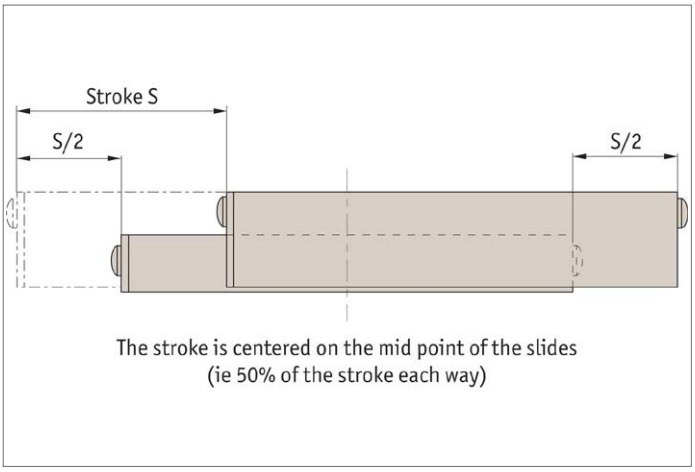


Crossed Roller Slides
standard precision

Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	w_2	h_2	w_3	l_3	Weight g
L1026.038-089	89	95	38.0	127.0	15.8	111.0	16.0	8.6	19.0	85.0	196
L1026.038-100	100	139	38.0	152.0	15.8	136.0	16.0	8.6	19.0	100.0	238
L1026.038-150	150	163	38.0	203.0	15.8	186.0	16.0	8.6	19.0	127.0	266
L1026.038-200	200	187	38.0	254.0	15.8	238.0	16.0	8.6	19.0	178.0	332
L1026.044-025	25	59	44.0	51.0	19.0	35.0	20.0	10.2	22.2	38.0	116
L1026.044-038	38	68	44.0	70.0	19.0	55.0	20.0	10.2	22.2	55.0	173
L1026.044-050	50	79	44.0	83.0	19.0	65.0	20.0	10.2	22.2	65.0	187
L1026.044-075	75	79	44.0	102.0	19.0	85.0	20.0	10.2	22.2	85.0	232
L1026.044-100	100	139	44.0	152.0	19.0	140.0	20.0	10.2	22.2	100.0	343
L1026.044-150	150	170	44.0	203.0	19.0	190.0	20.0	10.2	22.2	127.0	454
L1026.044-200	200	204	44.0	254.0	19.0	240.0	20.0	10.2	22.2	178.0	561
L1026.067-025	25	102	66.6	67.0	25.4	54.0	35.0	15.9	38.1	54.0	292
L1026.067-038	38	119	66.6	67.0	25.4	42.0	35.0	15.9	38.1	42.0	292
L1026.067-050	50	158	66.6	102.0	25.4	75.0	35.0	15.9	38.1	75.0	454
L1026.067-075	75	198	66.6	127.0	25.4	100.0	35.0	15.9	38.1	100.0	635
L1026.067-100	100	198	66.6	152.0	25.4	125.0	35.0	15.9	38.1	125.0	816
L1026.067-127	127	215	66.6	203.0	25.4	175.0	35.0	15.9	38.1	187.0	936
L1026.067-150	150	317	66.6	229.0	25.4	75.0	35.0	15.9	38.1	178.0	1089
L1026.067-228	228	336	66.6	305.0	25.4	75.0	35.0	15.9	38.1	254.0	1366
L1026.067-304	304	354	66.6	381.0	25.4	75.0	35.0	15.9	38.1	330.0	1729

Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1026.014-013	M2	2.2	4.0	2.2	M2	0.4	0.8	0.8
L1026.014-025	M2	2.2	4.0	2.2	M2	0.7	2.7	2.8
L1026.014-050	M2	2.2	4.0	2.2	M2	0.9	4.9	5.2
L1026.014-075	M2	2.2	4.0	2.2	M2	1.0	7.6	8.0
L1026.014-100	M2	2.2	4.0	2.2	M2	1.1	10.1	10.6
L1026.014-127	M2	2.2	4.0	2.2	M2	1.3	13.0	13.6
L1026.019-013	M3	3.5	6.1	3.4	M3	1.0	1.3	1.4
L1026.019-025	M3	3.5	6.1	3.4	M3	1.5	3.8	4.0
L1026.019-050	M3	3.5	6.1	3.4	M3	2.1	7.0	7.4
L1026.019-075	M3	3.5	6.1	3.4	M3	2.1	10.6	11.1
L1026.019-100	M3	3.5	6.1	3.4	M3	2.3	13.1	13.8
L1026.019-127	M3	3.5	6.1	3.4	M3	2.37	15.6	16.4
L1026.025-013	M4	3.5	6.1	3.4	M3	2.0	2.6	2.8
L1026.025-025	M4	3.5	6.1	3.4	M3	2.2	6.3	6.7
L1026.025-038	M4	3.5	6.1	3.4	M3	2.2	7.0	7.4
L1026.025-050	M4	3.5	6.1	3.4	M3	2.3	8.2	8.6
L1026.025-075	M4	3.5	6.1	3.4	M3	2.5	11.3	11.9
L1026.027-019	M4	4.6	8.1	4.4	M4	3.2	3.7	3.5
L1026.027-038	M4	4.6	8.1	4.4	M4	3.8	8.3	8.8
L1026.027-050	M4	4.6	8.1	4.4	M4	5.7	17.3	18.2
L1026.027-075	M4	4.6	8.1	4.4	M4	7.0	27.3	28.7
L1026.027-100	M4	4.6	8.1	4.4	M4	8.3	48.3	50.7
L1026.027-150	M4	4.6	8.1	4.4	M4	8.6	63.8	67.0
L1026.027-200	M4	4.6	8.1	4.6	M4	9.3	83.1	87.3
L1026.038-025	M4	4.6	8.1	4.4	7.0	M4	5.5	6.7
L1026.038-050	M4	4.6	8.1	4.4	10.0	M4	6.3	9.5
L1026.038-075	M4	4.6	8.1	4.4	16.4	M4	7.3	15.6
L1026.038-089	M4	4.6	8.1	4.4	27.4	M4	8.8	26.1
L1026.038-100	M4	4.6	8.1	4.4	49.1	M4	12.8	46.8
L1026.038-150	M4	4.6	8.1	4.4	76.9	M4	15.0	73.2
L1026.038-200	M4	4.6	8.1	4.4	107	M4	17.2	102
L1026.044-025	M4	4.6	8.1	4.4	7.0	M4	6.3	6.7
L1026.044-038	M4	4.6	8.1	4.4	10.7	M4	7.2	10.2
L1026.044-050	M4	4.6	8.1	4.4	14.0	M4	8.5	13.4
L1026.044-075	M4	4.6	8.1	4.4	16.3	M4	8.5	15.6
L1026.044-100	M4	4.6	8.1	4.4	49.1	M4	14.8	46.8
L1026.044-150	M4	4.6	8.1	4.4	80.0	M4	18.0	76.3
L1026.044-200	M4	4.6	8.1	4.4	117	M4	21.6	111
L1026.067-025	M5	5.8	10.0	5.3	14.9	M5	18.5	14.2
L1026.067-038	M5	5.8	10.0	5.3	18.8	M5	21.5	17.9
L1026.067-050	M5	5.8	10.0	5.3	37.6	M5	28.7	35.8
L1026.067-075	M5	5.8	10.0	5.3	62.6	M5	35.9	59.7
L1026.067-100	M5	5.8	10.0	5.3	78.3	M5	35.9	74.6

Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1026.067-127	M5	5.8	10.0	5.3	117	M5	38.9	112
L1026.067-150	M5	5.8	10.0	5.3	175	M5	57.4	167
L1026.067-228	M5	5.8	10.0	5.3	258	M5	60.9	245
L1026.067-304	M5	5.8	10.0	5.3	323	M5	64.2	308



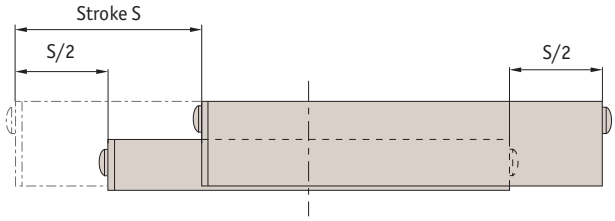
The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

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

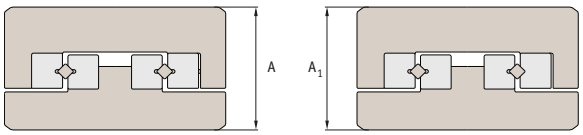
Stainless steel - L1022 + L1023

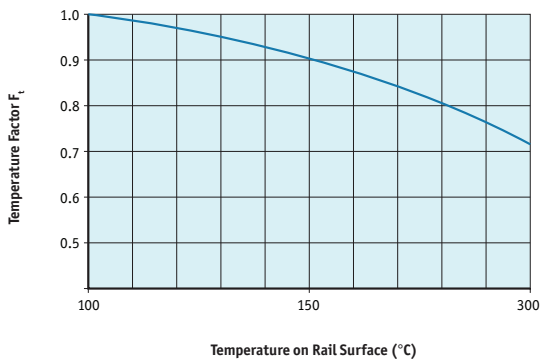
- Stainless steel (440C+Ni) corrosion resistant

Rated life

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

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

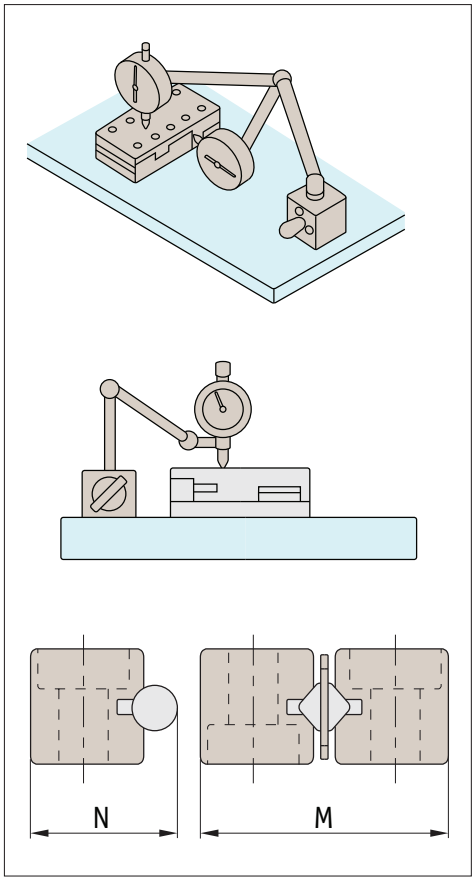
Cross Roller Linear Tables

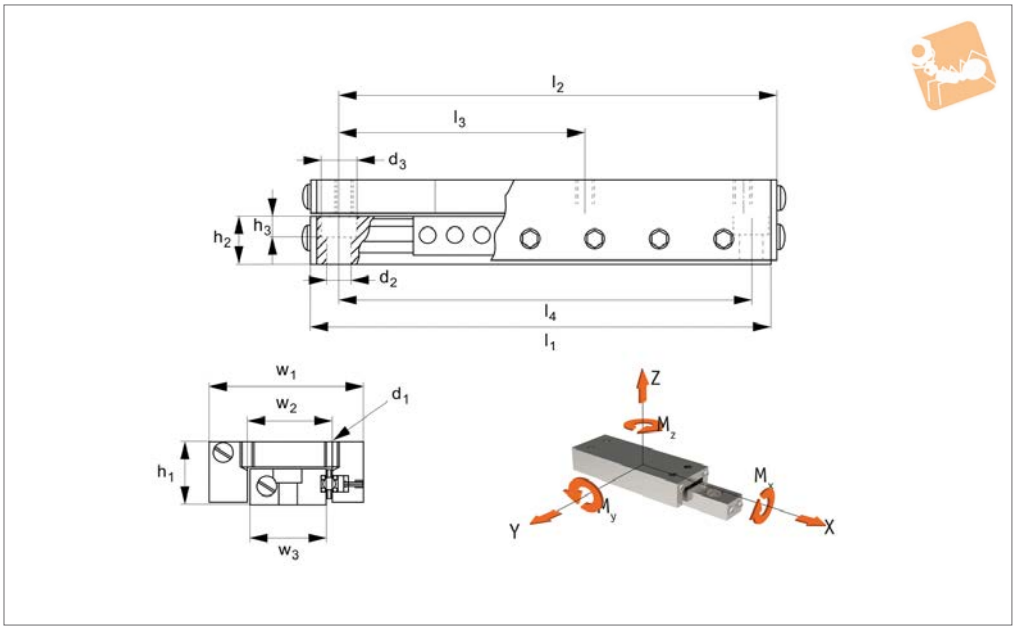
Technical

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





L1028

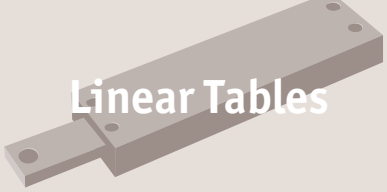
Material
Aluminium carriage and base.
Hardened stainless steel balls, shafts and preload gibs.

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).

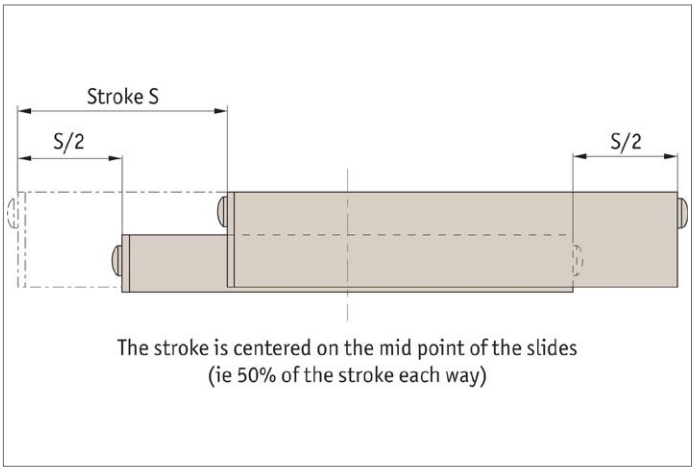
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	w_3	Weight g
L1028.025-025	25	5.4	25.4	65.0	12.7	57	-	57	10	6.4	10.2	57
L1028.025-050	50	9.1	25.4	90.4	12.7	83	-	83	10	6.4	10.2	79
L1028.025-075	75	10.0	25.4	115.8	12.7	108	-	108	10	6.4	10.2	102
L1028.045-025	25	9.1	44.5	50.8	19.0	35	-	38	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

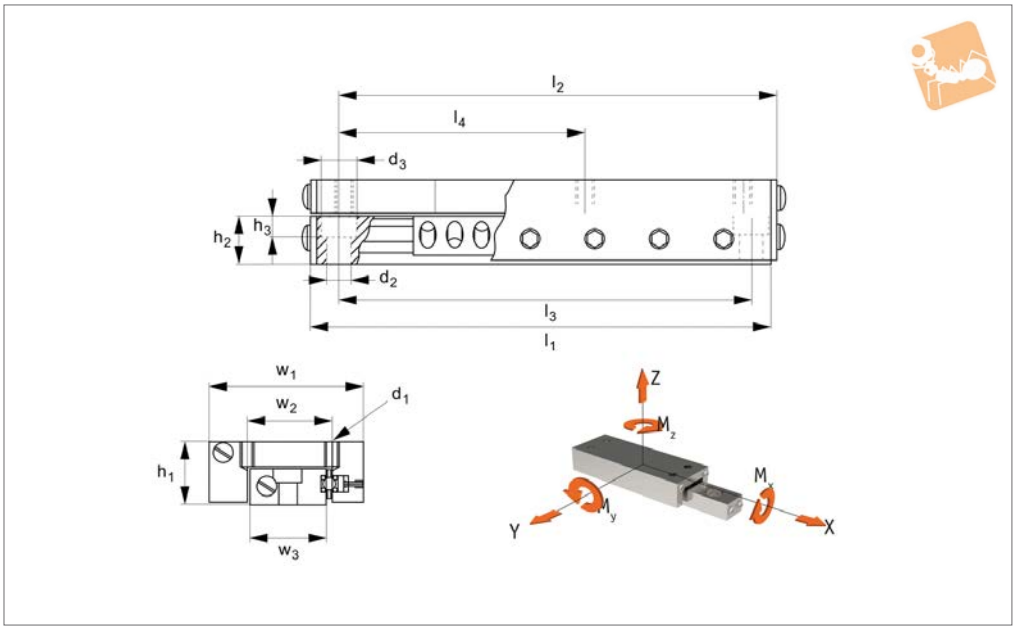


Ball Slide Assemblies
precision

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



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



L1029

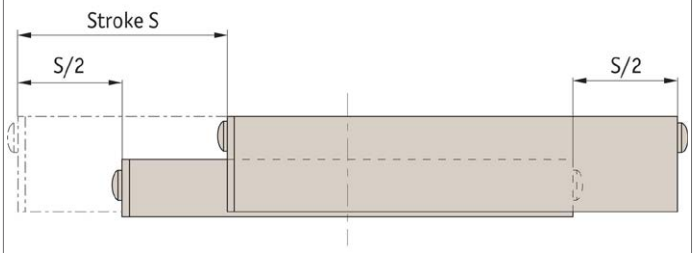
Material
Aluminium carriage and base.
Hardened stainless steel rollers, shafts and preload gibs.

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

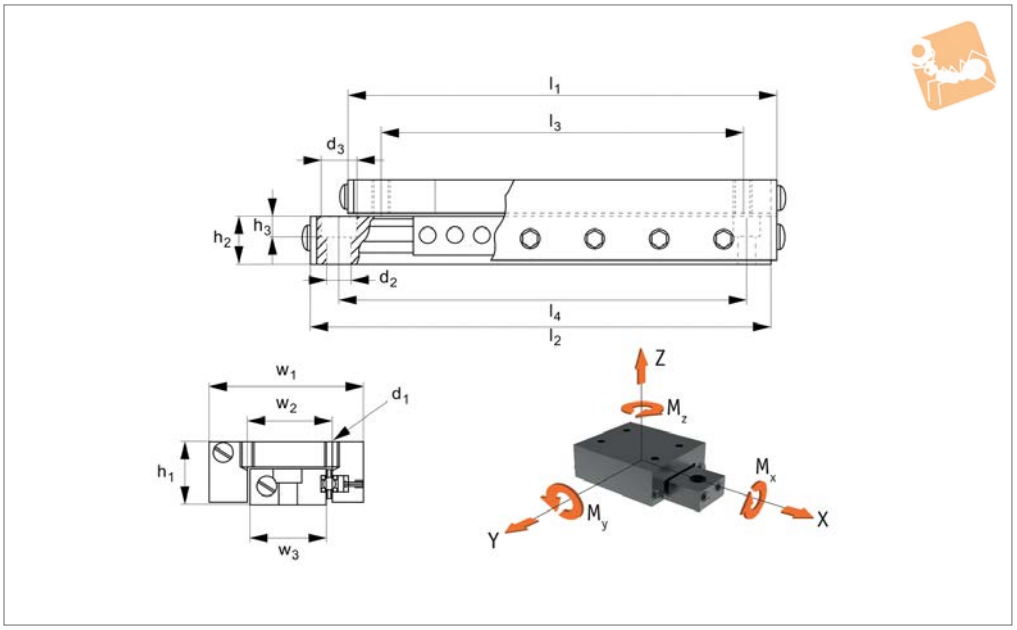
Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

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)



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.

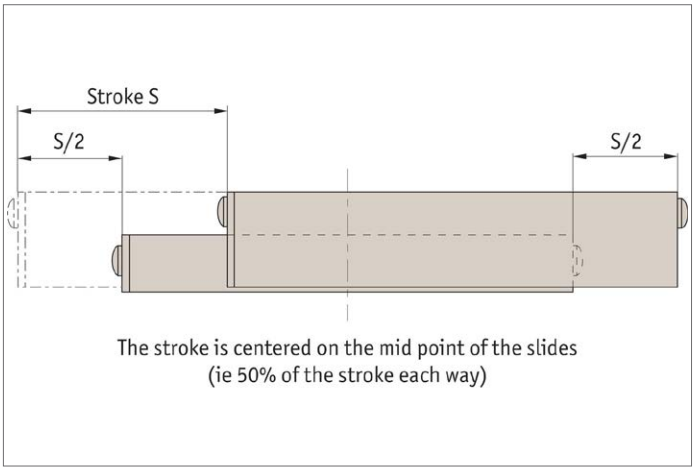
Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

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

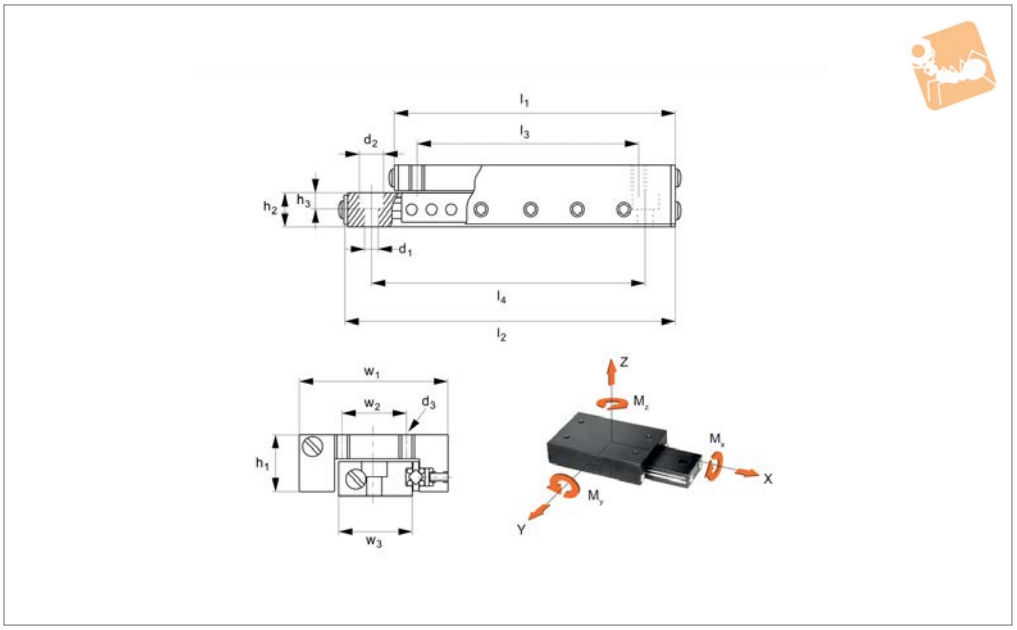
Order No.	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1030.025-013	3.4	M3	3.5	6.1	0.3	0.4	0.40
L1030.025-025	3.4	M3	3.5	6.1	0.4	1.0	1.1
L1030.025-038	3.4	M3	3.5	6.1	0.5	1.8	1.8
L1030.025-050	3.4	M3	3.5	6.1	0.7	2.6	3.7
L1030.045-025	4.6	M4	4.6	8.1	1.0	0.9	0.9

Low Profile Ball Slide Assemblies
high precision

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)



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).

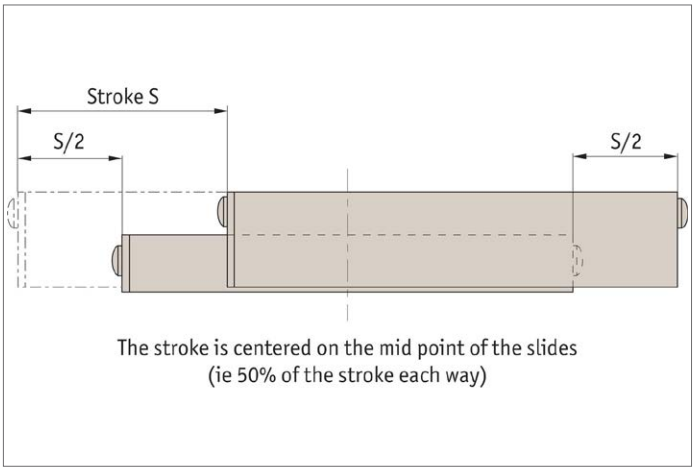
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	l_3	l_4	w_2	h_2	Weight g
L1032.045-025	25	41	44.5	50.8	19.1	57.2	35	40	20	10.2	127
L1032.045-038	38	52	44.5	69.9	19.1	76.2	54	57	20	10.2	172
L1032.045-050	50	59	44.5	82.6	19.1	88.9	65	70	20	10.2	209
L1032.045-075	75	64	44.5	101.6	19.1	108.0	85	90	20	10.2	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

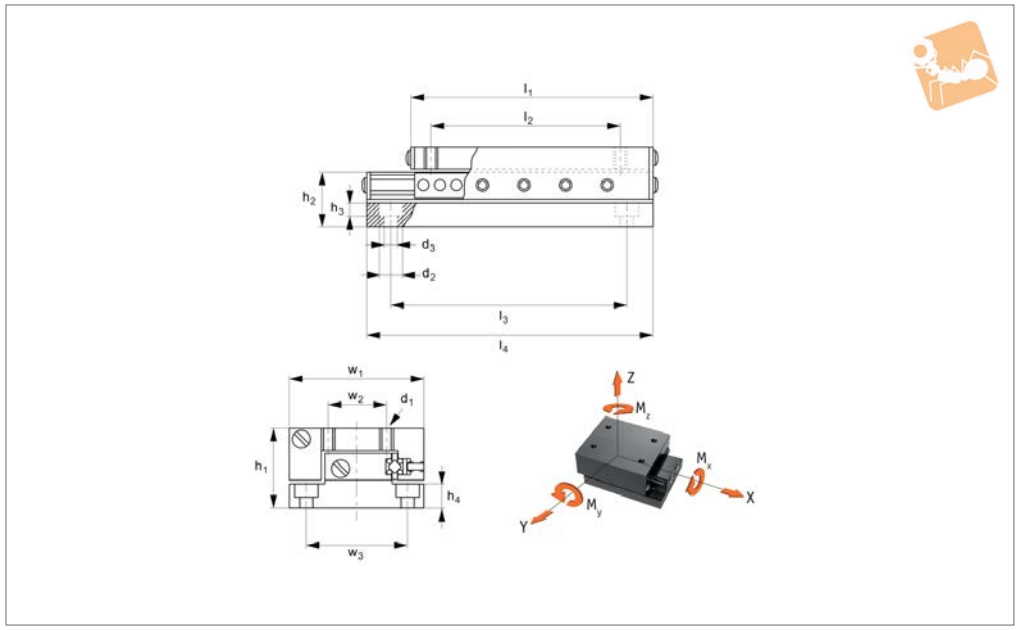
Low Profile Crossed Roller Table

high precision

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



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



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.

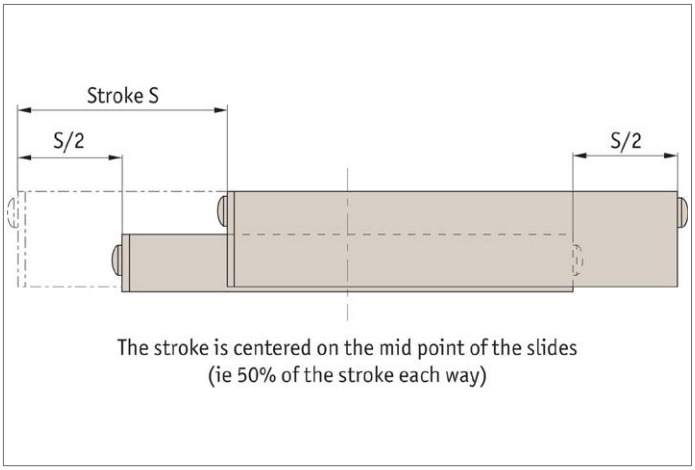
Tips
Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

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

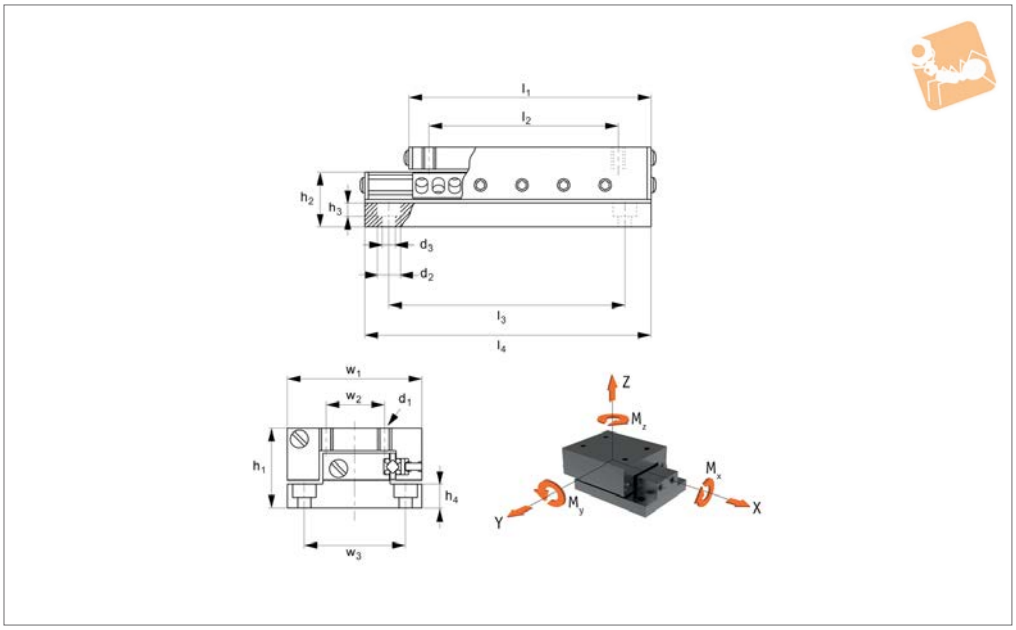
Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1034.025-013	19	3.4	M3	6.1	3.5	0.3	0.4	0.4
L1034.025-025	19	3.4	M3	6.1	3.5	0.4	1.0	1.1
L1034.025-038	19	3.4	M3	6.1	3.5	0.5	1.8	1.8
L1034.025-050	19	3.4	M3	6.1	3.5	0.7	2.6	3.7
L1034.045-025	33	4.6	M4	8.1	4.6	1.0	0.9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

Flanged Ball Slide Assemblies
high precision

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)



L1036

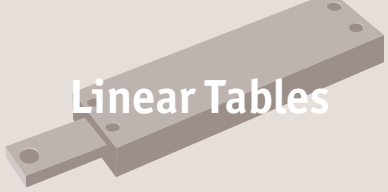
Material
Aluminium carriage and base.
Hardened stainless steel rollers, shafts and preload gibs.

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

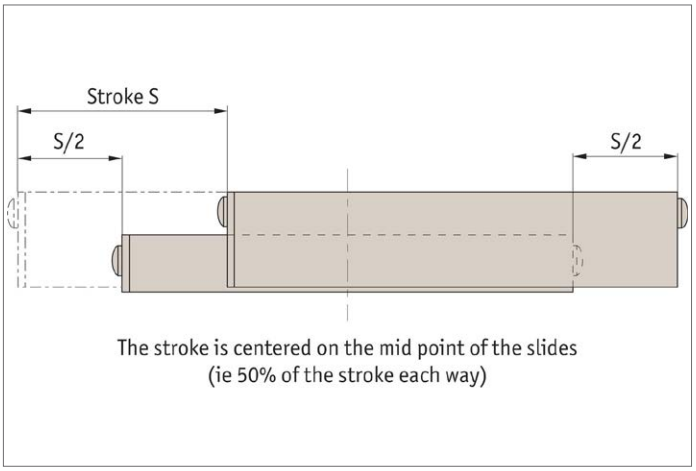
Order No.	w_3	h_3	d_1	d_2	d_3	Moment M_x Nm max.	h_4	Moment M_y Nm max.	Moment M_z Nm max.
L1036.045-025	33	7.1	M4	4.6	8.1	5.04	4.6	5.31	5.58
L1036.045-038	33	7.1	M4	4.6	8.1	5.61	4.6	8.29	8.58
L1036.045-050	33	7.1	M4	4.6	8.1	6.73	4.6	10.6	11.1
L1036.045-075	33	7.1	M4	4.6	8.1	7.85	4.6	12.4	13.0
L1036.067-025	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



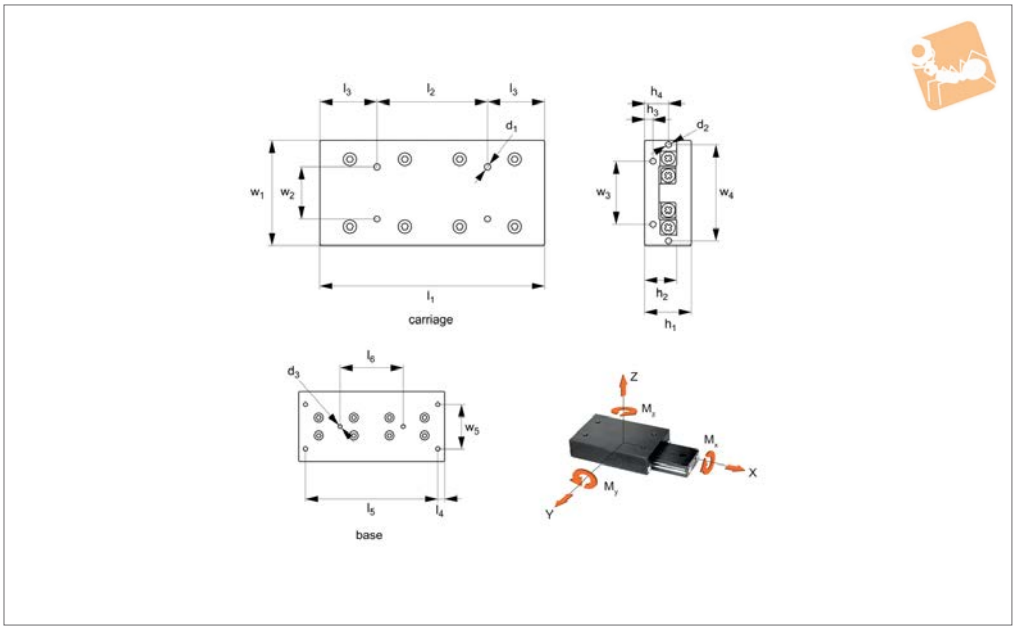
Flanged Crossed Roller Slides

wide base, high precision

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



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



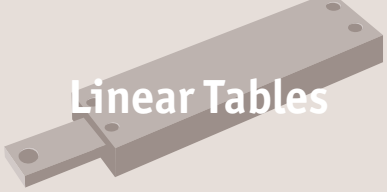
L1020

Material
Body carbon steel (S50C) nickel plated. Rail and rollers carbon steel (100Cr6), retainer stainless steel (AISI 304).

Technical Notes
Base and carriage with standard hole pattern. The top can be machined as required, taking care to disassemble first and ensure no dirt ingress. Alternatively we can machine any extra holes required (additional cost). Recommended allowable load is 1/3 of max. static load giving a safety factor of over 3.

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

Order No.	Static load C_0 kN max.	Stroke	Roller	w_1 ±0.1	l_2	h_1 ±0.1	h_2	l_1	w_2	d_1	l_3	l_4	w_3	Weight kg
L1020.030-025	0.57	12	1.5	30	-	17	11	25	10	M2x4	12.5	3.5	12	0.04
L1020.030-035	0.86	18	1.5	30	10	17	11	35	10	M2x4	12.5	3.5	12	0.05
L1020.030-045	1.1	25	1.5	30	10	17	11	45	10	M2x4	12.5	3.5	12	0.07
L1020.030-055	1.4	32	1.5	30	10	17	11	55	10	M2x4	12.5	3.5	12	0.08
L1020.030-065	1.7	40	1.5	30	10	17	11	65	10	M2x4	12.5	3.5	12	0.10
L1020.030-075	2.3	45	1.5	30	10	17	11	75	10	M2x4	12.5	3.5	12	0.12
L1020.030-085	2.6	50	1.5	30	10	17	11	85	10	M2x4	12.5	3.5	12	0.13
L1020.040-035	1.1	18	2.0	40	-	21	14	35	15	M3x6	17.5	5.0	16	0.09
L1020.040-050	2.3	30	2.0	40	15	21	14	50	15	M3x6	17.5	5.0	16	0.13
L1020.040-065	2.9	40	2.0	40	15	21	14	65	15	M3x6	17.5	5.0	16	0.17
L1020.040-080	3.5	50	2.0	40	15	21	14	80	15	M3x6	17.5	5.0	16	0.21
L1020.040-095	4.0	60	2.0	40	15	21	14	95	15	M3x6	17.5	5.0	16	0.25
L1020.040-110	5.2	70	2.0	40	15	21	14	110	15	M3x6	17.5	5.0	16	0.30
L1020.040-125	5.8	80	2.0	40	15	21	14	125	15	M3x6	17.5	5.0	16	0.34
L1020.040-140	6.4	90	2.0	40	15	21	14	140	15	M3x6	17.5	5.0	16	0.38
L1020.040-155	7.0	100	2.0	40	15	21	14	155	15	M3x6	17.5	5.0	16	0.42
L1020.040-170	8.1	110	2.0	40	15	21	14	170	15	M3x6	17.5	5.0	16	0.46
L1020.040-185	8.8	120	2.0	40	15	21	14	185	15	M3x6	17.5	5.0	16	0.50
L1020.060-055	4.5	30	3.0	60	-	28	18.5	55	25	M4x8	27.5	10.0	40	0.29
L1020.060-080	7.6	45	3.0	60	25	28	18.5	80	25	M4x8	27.5	10.0	40	0.43
L1020.060-105	10.6	60	3.0	60	25	28	18.5	105	25	M4x8	27.5	10.0	40	0.57
L1020.060-130	12.1	75	3.0	60	25	28	18.5	130	25	M4x8	27.5	10.0	40	0.71
L1020.060-155	15.2	90	3.0	60	25	28	18.5	155	25	M4x8	27.5	10.0	40	0.84
L1020.060-180	18.2	105	3.0	60	25	28	18.5	180	25	M4x8	27.5	10.0	40	0.98
L1020.060-205	19.7	130	3.0	60	25	28	18.5	205	25	M4x8	27.5	10.0	40	1.12
L1020.060-230	21.3	155	3.0	60	25	28	18.5	230	25	M4x8	27.5	10.0	40	1.25
L1020.060-255	24.3	180	3.0	60	25	28	18.5	255	25	M4x8	27.5	10.0	40	1.39
L1020.060-280	25.8	205	3.0	60	25	28	18.5	280	25	M4x8	27.5	10.0	40	1.53
L1020.060-305	27.4	230	3.0	60	25	28	18.5	305	25	M4x8	27.5	10.0	40	1.66
L1020.080-085	9.3	50	4.0	80	-	35	24.0	85	40	M5x10	42.5	10.5	55	0.76



Crossed Roller Tables

steel

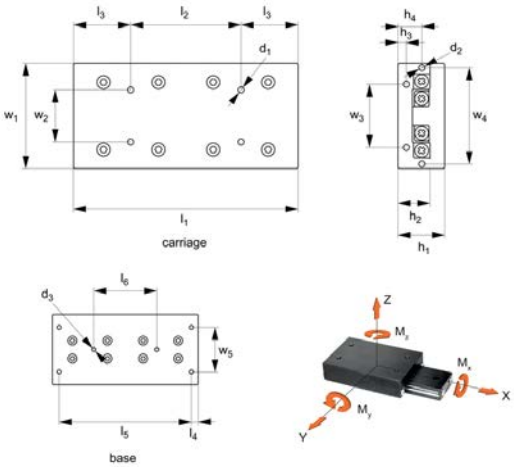
Order No.	Static load C_0 kN max.	Stroke	Roller	w_1 ±0.1	l_2	h_1 ±0.1	h_2	l_1	w_2	d_1	l_3	l_4	w_3	Weight kg
L1020.080-125	14.0	75	4.0	80	40	35	24.0	125	40	M5x10	42.5	10.5	55	1.12
L1020.080-165	16.3	105	4.0	80	40	35	24.0	165	40	M5x10	42.5	10.5	55	1.48
L1020.080-205	21.0	130	4.0	80	40	35	24.0	205	40	M5x10	42.5	10.5	55	1.84
L1020.080-245	25.7	155	4.0	80	40	35	24.0	245	40	M5x10	42.5	10.5	55	2.20
L1020.080-285	30.4	185	4.0	80	40	35	24.0	285	40	M5x10	42.5	10.5	55	2.56
L1020.080-325	35.0	210	4.0	80	40	35	24.0	325	40	M5x10	42.5	10.5	55	2.92
L1020.080-365	39.7	235	4.0	80	40	35	24.0	365	40	M5x10	42.5	10.5	55	3.28
L1020.080-405	44.4	265	4.0	80	40	35	24.0	405	40	M5x10	42.5	10.5	55	3.65
L1020.100-110	21.0	60	6.0	100	50	45	31.0	110	50	M6x12	55.0	10.0	60	1.60
L1020.100-160	26.3	95	6.0	100	50	45	31.0	160	50	M6x12	55.0	10.0	60	2.36
L1020.100-210	36.8	130	6.0	100	50	45	31.0	210	50	M6x12	55.0	10.0	60	3.11
L1020.100-260	47.3	165	6.0	100	50	45	31.0	260	50	M6x12	55.0	10.0	60	3.86
L1020.100-310	57.8	200	6.0	100	50	45	31.0	310	50	M6x12	55.0	10.0	60	4.62
L1020.100-360	68.4	235	6.0	100	50	45	31.0	360	50	M6x12	55.0	10.0	60	5.36
L1020.100-410	78.9	265	6.0	100	50	45	31.0	410	50	M6x12	55.0	10.0	60	6.12
L1020.100-460	84.2	300	6.0	100	50	45	31.0	460	50	M6x12	55.0	10.0	60	6.87
L1020.100-510	94.7	335	6.0	100	50	45	31.0	510	50	M6x12	55.0	10.0	60	7.62

Order No.	w_4	l_5	h_3	l_6	h_4	d_2	w_7	d_3	Dyn. load C kN max.	Allowable load kN	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1020.030-025	-	18	2.5	-	-	M2x6	22	4.5	0.38	0.19	2.6	1.2	1.4
L1020.030-035	-	28	2.5	-	-	M2x6	22	4.5	0.52	0.28	3.9	2.6	3.0
L1020.030-045	-	38	2.5	-	-	M2x6	22	4.5	0.65	0.38	5.2	4.6	5.2
L1020.030-055	-	48	2.5	-	-	M2x6	22	4.5	0.78	0.48	6.5	7.2	7.9
L1020.030-065	-	58	2.5	-	-	M2x6	22	4.5	0.90	0.57	7.8	10.4	11.2
L1020.030-075	-	68	2.5	-	-	M2x6	22	4.5	1.1	0.77	10.4	18.4	17.3
L1020.030-085	-	78	2.5	-	-	M2x6	22	4.5	1.2	0.86	11.7	23.3	22.0
L1020.040-035	-	25	3.4	-	-	M2x6	30	6.5	0.89	0.39	7.0	3.1	3.9
L1020.040-050	-	40	3.4	-	-	M2x6	30	6.5	1.5	0.78	14.0	12.5	10.9
L1020.040-065	-	55	3.4	-	-	M2x6	30	6.5	1.8	0.98	17.5	19.5	17.5
L1020.040-080	-	70	3.4	-	-	M2x6	30	6.5	2.1	1.1	21.1	28.1	30.4
L1020.040-095	-	85	3.4	-	-	M2x6	30	6.5	2.4	1.3	24.6	38.2	40.9
L1020.040-110	-	100	3.4	-	-	M2x6	30	6.5	2.9	1.7	31.6	63.2	59.6
L1020.040-125	-	115	3.4	-	-	M2x6	30	6.5	3.1	1.9	35.1	78.0	74.1
L1020.040-140	-	130	3.4	-	-	M2x6	30	6.5	3.4	2.1	38.6	94.3	98.6
L1020.040-155	-	145	3.4	-	-	M2x6	30	6.5	3.6	2.3	42.1	112	111
L1020.040-170	-	160	3.4	-	-	M2x6	30	6.5	4.1	2.7	49.1	152	147
L1020.040-185	-	175	3.4	-	-	M2x6	30	6.5	4.3	2.9	52.6	175	169
L1020.060-055	-	35	5.5	-	-	M3x6	40	8.0	2.9	1.5	42.6	22.8	26.6
L1020.060-080	-	60	5.5	-	-	M3x6	40	8.0	4.3	2.5	71.0	63.4	57.1
L1020.060-105	-	85	5.5	-	-	M3x6	40	8.0	5.6	3.5	99.5	124	115
L1020.060-130	-	110	5.5	-	-	M3x6	40	8.0	6.2	4.0	113	162	172
L1020.060-155	-	135	5.5	85	-	M3x6	40	8.0	7.4	5.0	142	253	266
L1020.060-180	-	160	5.5	110	-	M3x6	40	8.0	8.6	6.0	170	365	350
L1020.060-205	-	185	5.5	135	-	M3x6	40	8.0	9.1	6.6	184	428	445
L1020.060-230	-	210	5.5	160	-	M3x6	40	8.0	9.7	7.1	198	497	515
L1020.060-255	-	235	5.5	185	-	M3x6	40	8.0	10.7	8.1	227	649	629
L1020.060-280	-	260	5.5	210	-	M3x6	40	8.0	11.2	8.6	241	733	711
L1020.060-305	-	285	5.5	235	-	M3x6	40	8.0	11.8	9.1	255	822	844
L1020.080-085	-	65	6.5	-	-	M3x6	55	10.0	6.6	3.1	124	87.3	76.4
L1020.080-125	-	105	6.5	-	-	M3x6	55	10.0	9.0	4.6	187	196	180
L1020.080-165	-	145	6.5	-	-	M3x6	55	10.0	10.2	5.4	218	267	286
L1020.080-205	-	185	6.5	105	-	M3x6	55	10.0	12.5	7.0	280	442	466
L1020.080-245	-	225	6.5	145	-	M3x6	55	10.0	14.6	8.6	343	660	690
L1020.080-285	-	265	6.5	185	-	M3x6	55	10.0	16.6	10.1	405	922	957
L1020.080-325	-	305	6.5	225	-	M3x6	55	10.0	18.6	11.7	467	1128	1269
L1020.080-365	-	345	6.5	265	-	M3x6	55	10.0	20.5	13.2	530	1577	1623
L1020.080-405	-	385	6.5	305	-	M3x6	55	10.0	22.3	14.8	592	1970	1918
L1020.100-110	92	90	8.0	-	15	M4x8	60	11.5	13.9	7.0	315	252	221
L1020.100-160	92	140	8.0	-	15	M4x8	60	11.5	16.5	8.7	394	394	434
L1020.100-210	92	190	8.0	90	15	M4x8	60	11.5	21.6	12.2	552	773	828
L1020.100-260	92	240	8.0	140	15	M4x8	60	11.5	26.2	15.7	710	1279	1207
L1020.100-310	92	290	8.0	190	15	M4x8	60	11.5	30.7	19.3	868	1910	1823
L1020.100-360	92	340	8.0	240	15	M4x8	60	11.5	35.0	22.8	1026	2688	2565
L1020.100-410	92	390	8.0	290	15	M4x8	60	11.5	39.1	26.3	1184	3552	3434
L1020.100-460	92	440	8.0	340	15	M4x8	60	11.5	41.1	28.0	1263	4042	4168

Order No.	w_4	l_5	h_3	l_6	h_4	d_2	w_7	d_3	Dyn. load C kN max.	Allowable load kN	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1020.100-510	92	490	8.0	390	15	M4x8	60	11.5	45.1	31.5	1421	5115	5257

Crossed Roller Tables
aluminium

L1021



Material
Body aluminium alloy, black anodised. Rail and rollers carbon steel (100Cr6), retainer stainless steel (AISI 304).

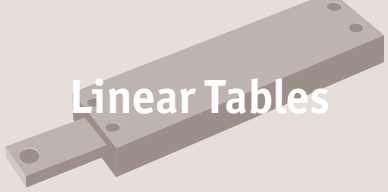
Technical Notes
Base and carriage with standard hole pattern. The top can be machined as required, taking care to disassemble first and ensure no dirt ingress. Alternatively we can machine any extra holes required (additional cost). Recommended allowable load is 1/3 of max. static load giving a safety factor of over 3.

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

Order No.	Static load C_0 kN max.	Stroke	Roller dia.	w_1 ±0.1	l_2	h_1 ±0.1	h_2	l_1	w_2	d_1	l_3	l_4	w_3	Weight kg
L1021.030-025	0.57	12	1.5	30	-	17	11	25	10	M2x4	12.5	3.5	12	0.09
L1021.030-035	0.86	18	1.5	30	10	17	11	35	10	M2x4	12.5	3.5	12	0.12
L1021.030-045	1.1	25	1.5	30	10	17	11	45	10	M2x4	12.5	3.5	12	0.16
L1021.030-055	1.4	32	1.5	30	10	17	11	55	10	M2x4	12.5	3.5	12	0.19
L1021.030-065	1.7	40	1.5	30	10	17	11	65	10	M2x4	12.5	3.5	12	0.23
L1021.030-075	2.3	45	1.5	30	10	17	11	75	10	M2x4	12.5	3.5	12	0.27
L1021.030-085	2.6	50	1.5	30	10	17	11	85	10	M2x4	12.5	3.5	12	0.30
L1021.040-035	1.1	18	2.0	40	-	21	14	35	15	M3x6	17.5	5.0	16	0.20
L1021.040-050	2.3	30	2.0	40	15	21	14	50	15	M3x6	17.5	5.0	16	0.29
L1021.040-065	2.9	40	2.0	40	15	21	14	65	15	M3x6	17.5	5.0	16	0.38
L1021.040-080	3.5	50	2.0	40	15	21	14	80	15	M3x6	17.5	5.0	16	0.46
L1021.040-095	4.0	60	2.0	40	15	21	14	95	15	M3x6	17.5	5.0	16	0.55
L1021.040-110	5.2	70	2.0	40	15	21	14	110	15	M3x6	17.5	5.0	16	0.64
L1021.040-125	5.8	80	2.0	40	15	21	14	125	15	M3x6	17.5	5.0	16	0.73
L1021.040-140	6.4	90	2.0	40	15	21	14	140	15	M3x6	17.5	5.0	16	0.82
L1021.040-155	7.0	100	2.0	40	15	21	14	155	15	M3x6	17.5	5.0	16	0.91
L1021.040-170	8.1	110	2.0	40	15	21	14	170	15	M3x6	17.5	5.0	16	1.00
L1021.040-185	8.7	120	2.0	40	15	21	14	185	15	M3x6	17.5	5.0	16	1.08
L1021.060-055	4.5	30	3.0	60	-	28	18.5	55	25	M4x8	27.5	10.0	40	0.66
L1021.060-080	7.6	45	3.0	60	25	28	18.5	80	25	M4x8	27.5	10.0	40	0.96
L1021.060-105	10.6	60	3.0	60	25	28	18.5	105	25	M4x8	27.5	10.0	40	1.26
L1021.060-130	12.1	75	3.0	60	25	28	18.5	130	25	M4x8	27.5	10.0	40	1.57
L1021.060-155	15.2	90	3.0	60	25	28	18.5	155	25	M4x8	27.5	10.0	40	1.87
L1021.060-180	18.2	105	3.0	60	25	28	18.5	180	25	M4x8	27.5	10.0	40	2.17
L1021.060-205	19.7	130	3.0	60	25	28	18.5	205	25	M4x8	27.5	10.0	40	2.47
L1021.060-230	21.3	155	3.0	60	25	28	18.5	230	25	M4x8	27.5	10.0	40	2.77
L1021.060-255	24.3	180	3.0	60	25	28	18.5	255	25	M4x8	27.5	10.0	40	3.07
L1021.060-280	25.8	205	3.0	60	25	28	18.5	280	25	M4x8	27.5	10.0	40	3.37
L1021.060-305	27.4	230	3.0	60	25	28	18.5	305	25	M4x8	27.5	10.0	40	3.68
L1021.080-085	9.3	50	4.0	80	-	35	24.0	85	40	M5x10	42.5	10.5	55	1.69

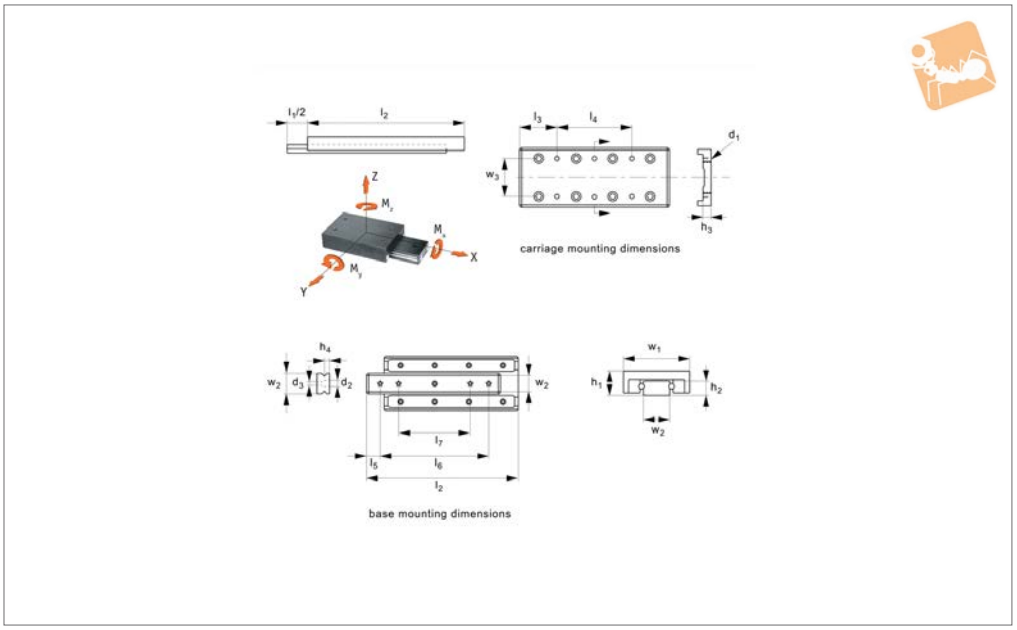
Order No.	Static load C_0 kN max.	Stroke	Roller dia.	w_1 ±0.1	l_2	h_1 ±0.1	h_2	l_1	w_2	d_1	l_3	l_4	w_3	Weight kg
L1021.080-125	14.0	75	4.0	80	40	35	24.0	125	40	M5x10	42.5	10.5	55	2.50
L1021.080-165	16.3	105	4.0	80	40	35	24.0	165	40	M5x10	42.5	10.5	55	3.31
L1021.080-205	21.0	130	4.0	80	40	35	24.0	205	40	M5x10	42.5	10.5	55	4.11
L1021.080-245	25.7	55	4.0	80	40	35	24.0	245	40	M5x10	42.5	10.5	55	4.91
L1021.080-285	30.4	185	4.0	80	40	35	24.0	285	40	M5x10	42.5	10.5	55	5.72
L1021.080-325	35.0	210	4.0	80	40	35	24.0	325	40	M5x10	42.5	10.5	55	6.51
L1021.080-365	39.7	235	4.0	80	40	35	24.0	365	40	M5x10	42.5	10.5	55	7.32
L1021.080-405	44.4	265	4.0	80	40	35	24.0	405	40	M5x10	42.5	10.5	55	8.13
L1021.100-110	21.0	60	6.0	100	50	45	31.0	110	50	M6x12	55.0	10.0	60	3.48
L1021.100-160	26.3	95	6.0	100	50	45	31.0	160	50	M6x12	55.0	10.0	60	5.10
L1021.100-210	36.8	130	6.0	100	50	45	31.0	210	50	M6x12	55.0	10.0	60	6.70
L1021.100-260	47.3	165	6.0	100	50	45	31.0	260	50	M6x12	55.0	10.0	60	8.32
L1021.100-310	57.9	200	6.0	100	50	45	31.0	310	50	M6x12	55.0	10.0	60	9.94
L1021.100-360	68.4	235	6.0	100	50	45	31.0	360	50	M6x12	55.0	10.0	60	11.53
L1021.100-410	78.9	265	6.0	100	50	45	31.0	410	50	M6x12	55.0	10.0	60	13.15
L1021.100-460	84.2	300	6.0	100	50	45	31.0	460	50	M6x12	55.0	10.0	60	14.76
L1021.100-510	94.7	335	6.0	100	50	45	31.0	510	50	M6x12	55.0	10.0	60	16.36

Order No.	w_4	l_5	h_3	l_6	h_4	d_2	w_7	d_3	Dyn. load C kN max.	Allowable load kN	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1021.030-025	-	18	2.5	-	-	M2x6	22	4.5	0.38	0.19	2.6	1.2	1.4
L1021.030-035	-	28	2.5	-	-	M2x6	22	4.5	0.52	0.28	3.9	2.6	3.0
L1021.030-045	-	38	2.5	-	-	M2x6	22	4.5	0.65	0.38	5.2	4.6	5.2
L1021.030-055	-	48	2.5	-	-	M2x6	22	4.5	0.78	0.48	6.5	7.2	7.9
L1021.030-065	-	58	2.5	-	-	M2x6	22	4.5	0.90	0.57	7.8	10.4	11.2
L1021.030-075	-	68	2.5	-	-	M2x6	22	4.5	1.1	0.77	10.4	18.4	17.3
L1021.030-085	-	78	2.5	-	-	M2x6	22	4.5	1.2	0.86	11.7	23.3	22.0
L1021.040-035	-	25	3.4	-	-	M2x6	30	6.5	0.89	0.39	7.0	3.1	3.9
L1021.040-050	-	40	3.4	-	-	M2x6	30	6.5	1.5	0.78	14.0	12.5	10.9
L1021.040-065	-	55	3.4	-	-	M2x6	30	6.5	1.8	0.97	17.5	19.5	17.5
L1021.040-080	-	70	3.4	-	-	M2x6	30	6.5	2.1	1.1	21.1	28.1	30.4
L1021.040-095	-	85	3.4	-	-	M2x6	30	6.5	2.4	1.3	24.6	38.2	40.9
L1021.040-110	-	100	3.4	-	-	M2x6	30	6.5	2.9	1.7	31.6	63.2	59.6
L1021.040-125	-	115	3.4	-	-	M2x6	30	6.5	3.1	1.9	35.1	78.0	74.1
L1021.040-140	-	130	3.4	-	-	M2x6	30	6.5	3.4	2.1	38.6	94.3	98.6
L1021.040-155	-	145	3.4	-	-	M2x6	30	6.5	3.6	2.3	42.1	112	111
L1021.040-170	-	160	3.4	-	-	M2x6	30	6.5	4.1	2.7	49.1	152	147
L1021.040-185	-	175	3.4	-	-	M2x6	30	6.5	4.3	2.9	52.6	175	169
L1021.060-055	-	35	5.5	-	-	M3x6	40	8.0	2.9	1.5	42.6	22.8	26.6
L1021.060-080	-	60	5.5	-	-	M3x6	40	8.0	4.3	2.5	71.0	63.4	57.1
L1021.060-105	-	85	5.5	-	-	M3x6	40	8.0	5.6	3.5	99.5	124	115
L1021.060-130	-	110	5.5	-	-	M3x6	40	8.0	6.2	4.0	113	162	172
L1021.060-155	-	135	5.5	85	-	M3x6	40	8.0	7.4	5.0	142	253	266
L1021.060-180	-	160	5.5	110	-	M3x6	40	8.0	8.6	6.0	170	365	350
L1021.060-205	-	185	5.5	135	-	M3x6	40	8.0	9.1	6.6	184	428	445
L1021.060-230	-	210	5.5	160	-	M3x6	40	8.0	9.7	7.1	198	497	515
L1021.060-255	-	235	5.5	185	-	M3x6	40	8.0	10.7	8.1	227	649	629
L1021.060-280	-	260	5.5	210	-	M3x6	40	8.0	11.2	8.6	241	733	711
L1021.060-305	-	285	5.5	235	-	M3x6	40	8.0	11.8	9.1	255	822	844
L1021.080-085	-	65	6.5	-	-	M3x6	55	10.0	6.6	3.1	124	87.3	76.4
L1021.080-125	-	105	6.5	-	-	M3x6	55	10.0	9.0	4.1	187	196	180
L1021.080-165	-	145	6.5	-	-	M3x6	55	10.0	10.2	5.4	218	267	286
L1021.080-205	-	185	6.5	105	-	M3x6	55	10.0	12.4	7.0	280	442	466
L1021.080-245	-	225	6.5	145	-	M3x6	55	10.0	14.6	8.5	343	660	690
L1021.080-285	-	265	6.5	185	-	M3x6	55	10.0	16.6	10.1	405	922	957
L1021.080-325	-	305	6.5	225	-	M3x6	55	10.0	18.6	11.7	467	1128	1269
L1021.080-365	-	345	6.5	265	-	M3x6	55	10.0	20.5	13.2	530	1577	1623
L1021.080-405	-	385	6.5	305	-	M3x6	55	10.0	22.3	14.8	592	1970	1918
L1021.100-110	92	90	8.0	-	15	M4x8	60	11.5	13.9	7.0	315	252	221
L1021.100-160	92	140	8.0	-	15	M4x8	60	11.5	16.6	8.7	394	394	434
L1021.100-210	92	190	8.0	90	15	M4x8	60	11.5	21.6	12.2	552	773	828
L1021.100-260	92	240	8.0	140	15	M4x8	60	11.5	26.2	15.7	710	1279	1207
L1021.100-310	92	290	8.0	190	15	M4x8	60	11.5	30.7	19.3	868	1910	1823
L1021.100-360	92	340	8.0	240	15	M4x8	60	11.5	35.0	22.8	1026	2688	2565
L1021.100-410	92	390	8.0	290	15	M4x8	60	11.5	39.1	26.3	1184	3552	3434
L1021.100-460	92	440	8.0	340	15	M4x8	60	11.5	41.1	28.0	1263	4042	4168



Crossed Roller Tables
aluminium

Order No.	w_4	l_5	h_3	l_6	h_4	d_2	w_7	d_3	Dyn. load C kN max.	Allowable load kN	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1021.100-510	92	490	8.0	390	15	M4x8	60	11.5	45.1	31.5	1421	5115	5257



L1027.AL

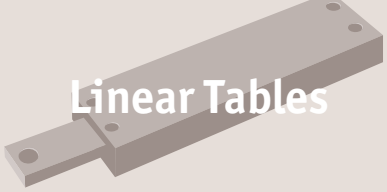
Material
Aluminium body, black anodised carriage. Hardened chrome steel crossed roller rail set.

Technical Notes
Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 3µ.
Coefficient of friction: 0,003 typical.

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

Order No.	Stroke l_1	Load kg max.	w_1 ±0.1	l_2	h_1 ±0.1	h_2	w_2	d_1	No. of carr holes	l_3	l_4	w_3
L1027.020-012-AL	12	23	20	25	8	4	6.6	M2	4	3.5	1x18	14
L1027.020-018-AL	18	32	20	35	8	4	6.6	M2	4	3.5	1x28	14
L1027.020-025-AL	25	47	20	45	8	4	6.6	M2	4	12.5	1x20	14
L1027.020-032-AL	32	54	20	55	8	4	6.6	M2	4	12.5	1x30	14
L1027.020-040-AL	40	60	20	65	8	4	6.6	M2	6	12.5	2x20	14
L1027.020-045-AL	45	73	20	75	8	4	6.6	M2	4	22.5	1x30	14
L1027.020-050-AL	50	79	20	85	8	4	6.6	M2	6	12.5	2x30	14
L1027.030-018-AL	18	40	30	35	12	6	12.0	M4	4	3.5	1x28	22
L1027.030-030-AL	30	63	30	50	12	6	12.0	M4	4	3.5	1x43	22
L1027.030-040-AL	40	75	30	65	12	6	12.0	M4	4	17.5	1x30	22
L1027.030-050-AL	50	95	30	80	12	6	12.0	M4	4	17.5	1x45	22
L1027.030-060-AL	60	105	30	95	12	6	12.0	M4	6	17.5	2x30	22
L1027.030-070-AL	70	120	30	110	12	6	12.0	M4	4	32.5	1x45	22
L1027.030-080-AL	80	130	30	125	12	6	12.0	M4	6	17.5	2x45	22
L1027.040-030-AL	30	126	40	55	16	8	16.0	M5	4	7.5	1x40	30
L1027.040-045-AL	45	183	40	80	16	8	16.0	M5	4	7.5	1x65	30
L1027.040-060-AL	60	220	40	105	16	8	16.0	M5	4	27.5	1x50	30
L1027.040-075-AL	75	275	40	130	16	8	16.0	M5	4	27.5	1x75	30
L1027.040-090-AL	90	310	40	155	16	8	16.0	M5	6	27.5	2x50	30
L1027.040-105-AL	105	355	40	180	16	8	16.0	M5	4	52.5	1x75	30
L1027.040-130-AL	130	375	40	205	16	8	16.0	M5	6	27.5	2x75	30

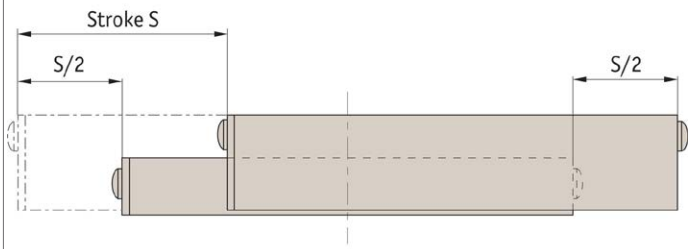
Order No.	l_5	No. of base holes	h_3	l_6	h_4	l_7	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1027.020-012-AL	3.5	2	3.5	18	2.5	-	3.9	2.6	0.80	1.29	1.33
L1027.020-018-AL	5.0	2	3.5	25	2.5	-	3.9	2.6	1.04	2.59	2.71
L1027.020-025-AL	3.5	4	3.5	38	2.5	25	3.9	2.6	1.51	4.55	4.79
L1027.020-032-AL	3.5	4	3.5	48	2.5	29	3.9	2.6	1.74	5.36	5.63
L1027.020-040-AL	5.0	4	3.5	55	2.5	31	3.9	2.6	1.94	8.16	8.33



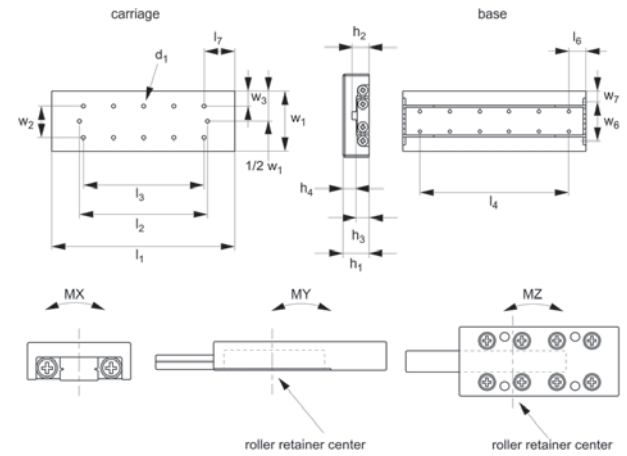
Low Profile Crossed Roller Table

aluminium/steel

Order No.	l_5	No. of base holes	h_3	l_6	h_4	l_7	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1027.020-045-AL	5.0	4	3.5	65	2.5	35	3.9	2.6	2.27	11.5	12.1
L1027.020-050-AL	5.0	4	3.5	75	2.5	40	3.9	2.6	2.55	13.9	14.6
L1027.030-018-AL	5.0	2	5.5	25	3.8	-	6.1	4	2.35	3.06	3.21
L1027.030-030-AL	7.5	2	5.5	35	3.8	-	6.1	4	3.71	6.49	6.80
L1027.030-040-AL	5.0	4	5.5	55	3.8	33	6.1	4	4.41	9.92	10.4
L1027.030-050-AL	5.0	4	5.5	70	3.8	40	6.1	4	5.58	15.3	16.1
L1027.030-060-AL	5.0	4	5.5	85	3.8	45	6.1	4	6.17	20.0	21.0
L1027.030-070-AL	7.5	4	5.5	95	3.8	50	6.1	4	7.05	26.4	27.7
L1027.030-080-AL	7.5	4	5.5	110	3.8	55	6.1	4	7.64	32.4	34.1
L1027.040-030-AL	7.5	2	7.5	40	5.2	-	8.3	5.2	9.87	14.8	15.5
L1027.040-045-AL	6.0	4	7.5	68	5.2	43	8.3	5.2	14.4	31.0	32.6
L1027.040-060-AL	7.5	4	7.5	90	5.2	55	8.3	5.2	17.2	48.5	50.9
L1027.040-075-AL	7.5	4	7.5	115	5.2	65	8.3	5.2	21.5	74.7	78.4
L1027.040-090-AL	7.5	4	7.5	140	5.2	95	8.3	5.2	24.2	100	105
L1027.040-105-AL	7.5	4	7.5	165	5.2	85	8.3	5.2	27.8	136	142
L1027.040-130-AL	7.5	4	7.5	190	5.2	90	8.3	5.2	29.4	158	166



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

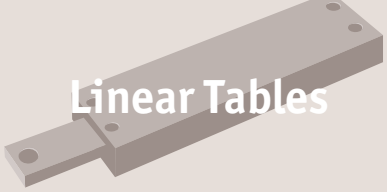


L1022.web

Material
Body stainless steel (440C), nickel plated apart from rail V groove. Retainer stainless (304), rollers stainless (440C).

Technical Notes
Carriage top parallelism 3µ.
Carriage side parallelism 5µ.

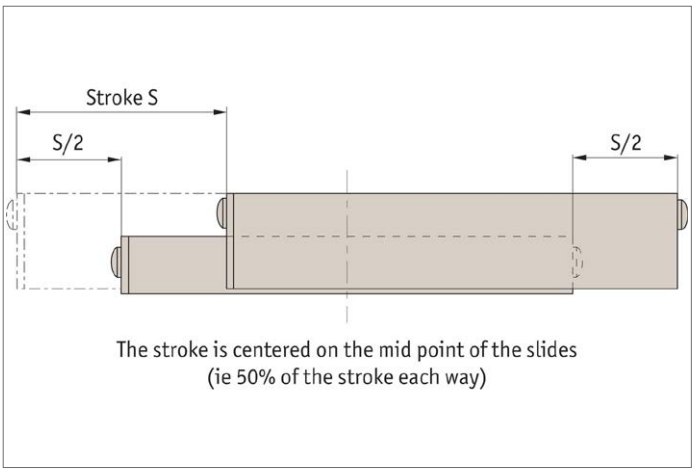
Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_3	l_4	l_5	l_6	w_2	w_3	Weight kg
L1022.030-012	25	12	0.57	30	2.5	8	1.5	-	10	20	7.5	10	10	0.09
L1022.030-018	35	18	0.86	30	4.5	8	1.5	10	10	26	7.5	10	10	0.12
L1022.030-025	45	25	1.1	30	6.0	8	1.5	10	10	33	7.5	10	10	0.16
L1022.030-032	55	32	1.4	30	7.5	8	1.5	10	10	40	7.5	10	10	0.19
L1022.030-040	65	40	1.7	30	8.5	8	1.5	10	10	48	7.5	10	10	0.23
L1022.030-045	75	45	2.3	30	11.0	8	1.5	10	10	53	7.5	10	10	0.26
L1022.030-050	85	50	2.6	30	13.5	8	1.5	10	10	58	7.5	10	10	0.30
L1022.040-018	35	18	1.1	40	3.0	15	3.0	-	15	29	10	15	12.5	0.20
L1022.040-030	50	30	4.5	40	4.5	15	3.0	15	15	41	10	15	12.5	0.29
L1022.040-040	65	40	4.5	40	7.0	15	3.0	15	15	51	17.5	15	12.5	0.36
L1022.040-050	80	50	7.6	40	9.5	15	3.0	15	15	61	10	15	12.5	0.46
L1022.040-060	95	60	6.0	40	12.0	15	3.0	15	15	71	17.5	15	12.5	0.52
L1022.040-070	110	70	9.1	40	14.5	15	3.0	15	15	81	17.5	15	12.5	0.63
L1022.040-080	125	80	9.1	40	17.0	15	3.0	15	15	91	25	15	12.5	0.69
L1022.060-030	55	30	4.5	60	5.5	18.5	3.0	-	25	44	15	25	17.5	0.65
L1022.060-045	80	45	7.6	60	10.8	18.5	3.0	25	25	59	15	25	17.5	0.95
L1022.060-060	105	60	10.6	60	15.5	18.5	3.0	25	25	74	15	25	17.5	1.25
L1022.060-075	130	75	12.1	60	20.8	18.5	3.0	25	25	89	15	25	17.5	1.55
L1022.060-090	155	90	15.2	60	25.5	18.5	3.0	25	25	104	15	25	17.5	1.85
L1022.060-105	180	105	18.2	60	30.5	18.5	3.0	25	25	119	15	25	17.5	2.15
L1022.060-130	205	130	19.7	60	30.5	18.5	3.0	25	25	144	15	25	17.5	2.45
L1022.080-050	85	50	9.3	80	10.5	24	4.0	-	40	64	22.5	40	20	1.14
L1022.080-075	125	75	14.0	80	18	24	4.0	40	40	89	22.5	40	20	1.68
L1022.080-105	165	105	16.3	80	23	24	4.0	40	40	119	22.5	40	20	2.22
L1022.080-135	205	135	21.0	80	28	24	4.0	40	40	149	22.5	40	20	2.76
L1022.080-155	245	155	25.7	80	38	24	4.0	40	40	169	22.5	40	20	3.30
L1022.080-185	285	185	30.4	80	43	24	4.0	40	40	199	22.5	40	20	3.84
L1022.080-215	325	215	35.0	80	48	24	4.0	40	40	229	22.5	40	20	4.38
L1022.100-060	110	60	21.0	100	16.5	31	6.0	-	50	77	30	50	25	2.33
L1022.100-095	160	95	26.3	100	23.5	31	6.0	50	50	113	30	50	25	3.42
L1022.100-130	210	130	36.8	100	31	31	6.0	50	50	148	30	50	25	4.51
L1022.100-165	260	165	47.3	100	38.5	31	6.0	50	50	183	30	50	25	5.57
L1022.100-200	310	200	57.9	100	46	31	6.0	50	50	218	30	50	25	6.66
L1022.100-235	360	235	68.4	100	53.5	31	6.0	50	50	253	30	50	25	7.75



Stainless Cross Roller Slides
smaller sizes

Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_3	l_4	l_5	l_6	w_2	w_3	Weight kg
L1022.100-265	410	265	78.9	100	63.5	31	6.0	50	50	283	30	50	25	8.84
L1022.100-340	510	340	100.0	100	81	31	6.0	50	50	348	30	50	25	11.02
L1022.145-130	210	130	72741	145	27	42.5	9.0	-	100	156	55	85	30	9.08
L1022.145-180	310	180	101838	145	52	42.5	9.0	100	100	206	55	85	30	13.46
L1022.145-350	410	350	116386	145	12	42.5	9.0	100	100	376	55	85	30	17.74
L1022.145-450	510	450	145482	145	17	42.5	9.0	100	100	476	55	85	30	22.11
L1022.145-550	610	550	160031	145	17	42.5	9.0	100	100	576	5527	85	30	26.47

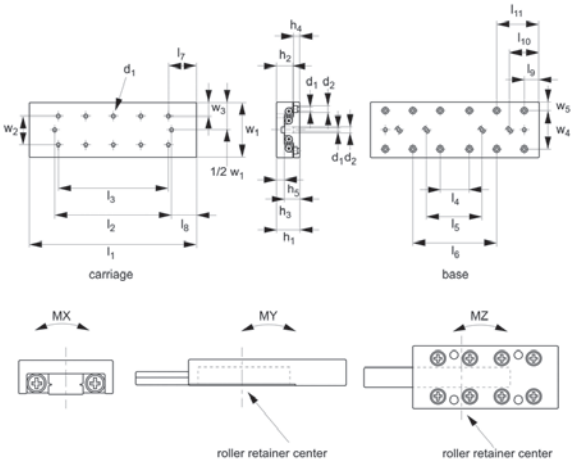
Order No.	w_4	w_5	w_6	w_7	h_2	h_3	h_4	d_1	Allowable load kN max.	Dyn. load C kN max.	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1022.030-012	12.8	8.6	-	15	11	7	4	M2	0.19	0.38	2.6	1.2	1.4
L1022.030-018	12.8	8.6	-	15	11	7	4	M2	0.28	0.52	3.9	2.6	3.0
L1022.030-025	12.8	8.6	-	15	11	7	4	M2	0.38	0.65	5.2	4.6	5.2
L1022.030-032	12.8	8.6	-	15	11	7	4	M2	0.48	0.78	6.5	7.2	7.9
L1022.030-040	12.8	8.6	-	15	11	7	4	M2	0.57	0.90	7.8	10.4	11.2
L1022.030-045	12.8	8.6	-	15	11	7	4	M2	0.77	1.1	10.4	18.4	17.3
L1022.030-050	12.8	8.6	-	15	11	7	4	M2	0.86	1.2	11.7	23.3	22.0
L1022.040-018	17	11.5	-	20	14	8	6	M3	0.39	0.89	7.0	3.1	3.9
L1022.040-030	13.1	13.5	-	20	15	7	8	M3	1.5	2.9	42.6	22.8	26.6
L1022.040-040	13.1	13.5	-	20	15	7	8	M3	1.5	2.9	42.6	22.8	19.0
L1022.040-050	13.1	13.5	-	20	15	7	8	M3	2.5	4.3	71.0	63.4	57.1
L1022.040-060	13.1	13.5	-	20	15	7	8	M3	2.0	3.6	56.8	40.6	45.7
L1022.040-070	13.1	13.5	-	20	15	7	8	M3	3.0	5.0	85.2	91.3	98.9
L1022.040-080	13.1	13.5	-	20	15	7	8	M3	3.0	5.0	85.2	91.3	83.7
L1022.060-030	26.6	16.7	17	21.5	18.5	10.5	8	M4	1.5	2.9	42.6	22.8	26.6
L1022.060-045	26.6	16.7	17	21.5	18.5	10.5	8	M4	2.5	4.3	71.0	63.4	57.1
L1022.060-060	26.6	16.7	17	21.5	18.5	10.5	8	M4	3.5	5.6	99.5	124	115
L1022.060-075	26.6	16.7	17	21.5	18.5	10.5	8	M4	4.0	6.2	113	162	172
L1022.060-090	26.6	16.7	17	21.5	18.5	10.5	8	M4	5.0	7.4	142	253	266
L1022.060-105	26.6	16.7	17	21.5	18.5	10.5	8	M4	6.0	8.6	170	365	350
L1022.060-130	26.6	16.7	17	21.5	18.5	10.5	8	M4	6.5	9.1	184	428	445
L1022.080-050	38	21	27	26.5	24	13	11	M5	3.1	6.6	124	87.3	76.4
L1022.080-075	38	21	27	26.5	24	13	11	M5	4.6	9.0	187	196	180
L1022.080-105	38	21	27	26.5	24	13	11	M5	5.4	10.2	218	267	286
L1022.080-135	38	21	27	26.5	24	13	11	M5	7.0	12.5	280	442	466
L1022.080-155	38	21	27	26.5	24	13	11	M5	8.5	14.6	343	660	690
L1022.080-185	38	21	27	26.5	24	13	11	M5	10.1	16.6	405	922	957
L1022.080-215	38	21	27	26.5	24	13	11	M5	11.6	18.6	467	1228	1187
L1022.100-060	42	29	26	37	31	16	15	M6	7.0	13.9	315	252	221
L1022.100-095	42	29	26	37	31	16	15	M6	8.7	16.6	394	394	434
L1022.100-130	42	29	26	37	31	16	15	M6	12.2	21.6	552	773	828
L1022.100-165	42	29	26	37	31	16	15	M6	15.7	26.2	710	1279	1207
L1022.100-200	42	29	26	37	31	16	15	M6	19.2	30.7	868	1910	1823
L1022.100-235	42	29	26	37	31	16	15	M6	22.8	35.0	1026	2668	2565
L1022.100-265	42	29	26	37	31	16	15	M6	26.3	39.1	1184	3552	3434
L1022.100-340	42	29	26	37	31	16	15	M6	33.3	47.5	1500	5194	5044
L1022.145-130	68.4	38.3	46	49.5	43	21	21	M8	24.2	46.9	1745	1697	1527
L1022.145-180	68.4	38.3	46	49.5	43	21	21	M8	33.9	61.1	2444	3326	3564
L1022.145-350	68.4	38.3	46	49.5	43	21	21	M8	38.7	67.9	2793	4345	4073
L1022.145-450	68.4	38.3	46	49.5	43	21	21	M8	48.4	80.8	3491	6789	6449
L1022.145-550	68.4	38.3	46	49.5	43	21	21	M8	53.3	87.0	3840	8214	8588



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

Stainless Cross Roller Slides
flanged, smaller sizes

L1023.web



Material
Body stainless steel (440C), nickel plated apart from rail V groove. Retainer stainless (304), rollers stainless (440C).

Technical Notes
Carriage top parallelism 3µ.
Carriage side parallelism 5µ.

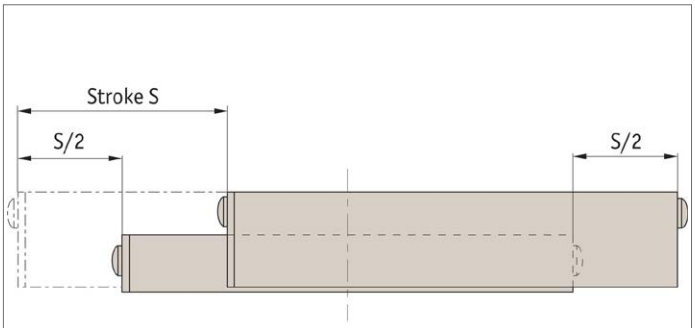
Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_{10}	l_{11}	l_3	l_4	l_5	l_6	Weight kg
L1023.030-012	25	12	0.57	30	20	17	1.5	-	-	-	18	-	-	0.09
L1023.030-018	35	18	0.86	30	26	17	1.5	-	-	10	28	-	-	0.12
L1023.030-025	45	25	1.1	30	33	17	1.5	-	-	10	38	-	-	0.16
L1023.030.032	55	32	1.4	30	40	17	1.5	-	13.5	10	48	-	28	0.19
L1023.030.040	65	40	1.7	30	48	17	1.5	-	13.5	10	58	-	38	0.23
L1023.030-045	75	45	2.3	30	53	17	1.5	-	13.5	10	68	-	45	0.26
L1023.030-050	85	50	2.6	30	58	17	1.5	-	13.5	10	78	-	58	0.30
L1023.040-018	35	18	1.1	40	29	21	2.0	-	-	-	25	-	-	0.20
L1023.040-030	50	30	4.5	40	41	21	3.0	-	-	15	40	-	-	0.29
L1023.040-040	65	40	4.5	40	51	21	3.0	-	-	15	55	-	-	0.36
L1023.040-050	80	50	7.6	40	61	21	3.0	-	20	15	70	-	40	0.46
L1023.040-060	95	60	6.0	40	71	21	3.0	-	20	15	85	-	55	0.52
L1023.040-070	110	70	9.1	40	81	21	3.0	-	20	15	100	-	70	0.63
L1023.040-080	125	80	9.1	40	91	21	3.0	-	20	15	115	-	85	0.69
L1023.060-030	55	30	4.5	60	44	28	3.0	-	-	-	35	-	-	0.65
L1023.060-045	80	45	7.6	60	59	28	3.0	-	-	25	60	-	-	0.95
L1023.060-060	105	60	10.6	60	74	28	3.0	-	-	25	85	-	-	1.25
L1023.060-075	130	75	12.1	60	89	28	3.0	-	-	25	110	-	-	1.55
L1023.060-090	155	90	15.2	60	104	28	3.0	35	-	25	135	85	-	1.85
L1023.060-105	180	105	18.2	60	119	28	3.0	35	-	25	160	110	-	2.15
L1023.060-130	205	130	19.7	60	144	28	3.0	35	60	25	185	135	85	2.45
L1023.080-050	85	50	9.3	80	64	35	4.0	-	-	-	40	-	-	1.70
L1023.080-075	125	75	14.0	80	89	35	4.0	-	-	40	80	-	-	2.52
L1023.080-105	165	105	16.3	80	119	35	4.0	-	-	40	120	-	-	3.34
L1023.080-135	205	135	21.0	80	149	35	4.0	-	62.5	40	160	-	80	4.14
L1023.080-155	245	155	25.7	80	169	35	4.0	-	62.5	40	200	-	120	4.95
L1023.080-185	285	185	30.4	80	199	35	4.0	-	62.5	40	240	-	160	5.77
L1023.080-215	325	215	35.0	80	229	35	4.0	-	62.5	40	280	-	200	6.57
L1023.100-060	110	60	21.0	100	77	45	6.0	-	-	-	90	-	-	3.48
L1023.100-095	160	95	26.3	100	113	45	6.0	-	-	50	140	-	-	5.10
L1023.100-130	210	130	36.8	100	148	45	6.0	-	60	50	190	-	90	6.72
L1023.100-165	260	165	47.3	100	183	45	6.0	-	60	50	240	-	140	8.31
L1023.100-200	310	200	57.8	100	218	45	6.0	-	60	50	290	-	190	9.95
L1023.100-235	360	235	68.4	100	253	45	6.0	-	60	50	340	-	240	11.53

Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_{10}	l_{11}	l_3	l_4	l_5	l_6	Weight kg
L1023.100-265	410	263	78.9	100	283	45	6.0	-	60	50	390	-	290	13.16
L1023.100-365	510	365	84.6	100	390	45	6.0	-	60	50	490	-	390	16.52
L1023.145-130	210	130	72.7	145	156	60	9.0	-	-	-	100	-	-	13.11
L1023.145-180	310	180	101.8	145	206	60	9.0	-	-	100	200	-	-	19.44
L1023.145-350	410	350	116.3	145	376	60	9.0	155	-	100	300	100	-	25.65
L1023.145-450	510	450	145.4	145	476	60	9.0	155	-	100	400	200	-	31.97
L1023.145-550	610	610	160.0	145	576	60	9.0	155	-	100	500	300	-	38.22

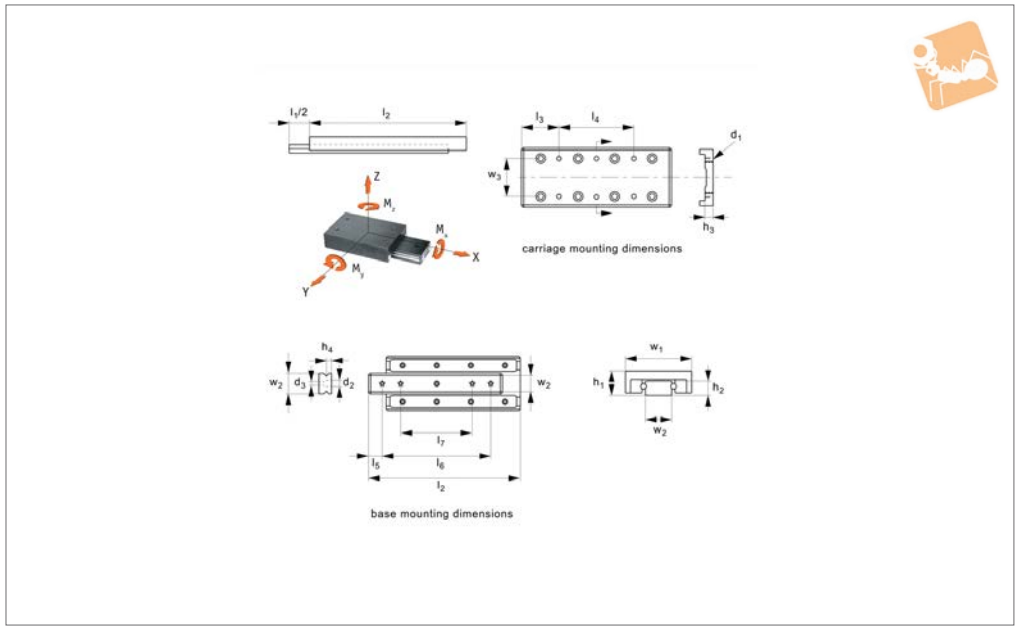
Order No.	l_7	l_8	l_9	w_2	w_3	w_4	w_5	h_2	h_3	h_4	d_1	Allowable load kN max.	Dyn. load C kN max.	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1023.030-012	12.5	2.5	3.5	10	10	22	4	11	10	5.5	2.55	0.19	0.38	2.6	1.2	1.4
L1023.030-018	12.5	4.5	3.5	10	10	22	4	11	10	5.5	2.55	0.28	0.52	3.9	2.6	3.0
L1023.030-025	12.5	6	3.5	10	10	22	4	11	10	5.5	2.55	0.38	0.65	5.2	4.6	5.2
L1023.030.032	12.5	7.5	3.5	10	10	22	4	11	10	5.5	2.55	0.48	0.78	6.5	7.2	7.9
L1023.030.040	12.5	8.5	3.5	10	10	22	4	11	10	5.5	2.55	0.57	0.90	7.8	10.4	11.2
L1023.030-045	12.5	11	3.5	10	10	22	4	11	10	5.5	2.55	0.77	1.1	10.4	18.4	17.3
L1023.030-050	12.5	13.5	3.5	10	10	22	4	11	10	5.5	2.55	0.86	1.2	11.7	23.3	22.0
L1023.040-018	17.5	3	5	15	12.5	30	5	8	13	6.5	3.5	0.39	0.89	7.0	3.1	3.9
L1023.040-030	17.5	4.5	5	15	12.5	30	5	14	14	5.5	3.5	1.5	2.9	42.6	22.8	26.6
L1023.040-040	17.5	7	5	15	12.5	30	5	14	14	5.5	3.5	1.5	2.9	42.6	22.8	19.0
L1023.040-050	17.5	9.5	5	15	12.5	30	5	14	14	5.5	3.5	2.5	4.3	71.0	63.4	57.1
L1023.040-060	17.5	12	5	15	12.5	30	5	14	14	5.5	3.5	2.0	3.6	56.8	40.6	45.7
L1023.040-070	17.5	14.5	5	15	12.5	30	5	14	14	5.5	3.5	3.0	5.0	85.2	91.3	98.9
L1023.040-080	17.5	17	5	15	12.5	30	5	14	14	5.5	3.5	3.0	5.0	85.2	91.3	83.7
L1023.060-030	27.5	5.5	10	25	17.5	40	10	18.5	17.5	9	4.5	1.5	2.9	46.6	22.8	26.6
L1023.060-045	27.5	10.8	10	25	17.5	40	10	18.5	17.5	9	4.5	2.5	4.3	71.0	63.4	57.1
L1023.060-060	27.5	15.5	10	25	17.5	40	10	18.5	17.5	9	4.5	3.5	5.6	99.5	124	115
L1023.060-075	27.5	20.8	10	25	17.5	40	10	18.5	17.5	9	4.5	4.0	6.2	113	162	172
L1023.060-090	27.5	25.5	10	25	17.5	40	10	18.5	17.5	9	4.5	5.0	7.4	142	253	266
L1023.060-105	27.5	30.5	10	25	17.5	40	10	18.5	17.5	9	4.5	6.0	8.6	170	365	350
L1023.060-130	27.5	30.5	10	25	17.5	40	10	18.5	17.5	9	4.5	6.6	9.1	184	428	445
L1023.080-050	42.5	10.5	22.5	40	20	60	10	24	22	10.5	5.5	3.1	6.6	124	87	76
L1023.080-075	42.5	18	22.5	40	20	60	10	24	22	10.5	5.5	4.6	9.0	187	196	180
L1023.080-105	42.5	23	22.5	40	20	60	10	24	22	10.5	5.5	5.4	10.2	218	267	286
L1023.080-135	42.5	28	22.5	40	20	60	10	24	22	10.5	5.5	7.0	12.4	280	442	466
L1023.080-155	42.5	38	22.5	40	20	60	10	24	22	10.5	5.5	8.5	14.6	343	660	690
L1023.080-185	42.5	43	22.5	40	20	60	10	24	22	10.5	5.5	10.1	16.6646	405	922	957
L1023.080-215	42.5	48	22.5	40	20	60	10	24	22	10.5	5.5	11.6	18.6	467	1228	1187
L1023.100-060	55	16.5	10	50	25	60	20	31	29	13	7	7.0	13.9	315	252	221
L1023.100-095	55	23.5	10	50	25	60	20	31	29	13	7	8.7	16.5	394	394	434
L1023.100-130	55	31	10	50	25	60	20	31	29	13	7	12.2	21.5	552	773	828
L1023.100-165	55	38.5	10	50	25	60	20	31	29	13	7	15.7	26.2	710	1279	1207
L1023.100-200	55	46	10	50	25	60	20	31	29	13	7	19.2	30.7	868	1910	1823
L1023.100-235	55	53.5	10	50	25	60	20	31	29	13	7	22.8	25.0	1026	2668	2565
L1023.100-265	55	63.5	10	50	25	60	20	31	29	13	7	26.3	39.1	1184	3552	3434
L1023.100-365	55	60	10	50	25	60	20	31	29	13	7	28.2	45.1	1269	4568	4441.
L1023.145-130	105	27	55	85	30	90	27.5	43	38.5	16	9	24.2	72.7	1745	1697	1527
L1023.145-180	105	52	55	85	30	90	27.5	43	38.5	16	9	33.9	101.8	2444	3326	3564
L1023.145-350	105	12	55	85	30	90	27.5	43	38.5	16	9	38.7	116.3	2793	4345	4073
L1023.145-450	105	17	55	85	30	90	27.5	43	38.5	16	9	48.4	145.4	3491	6789	6449
L1023.145-550	105	17	55	85	30	90	27.5	43	38.5	16	9	53.3	160.0	3840	8214	8588

Stainless Cross Roller Slides

flanged, smaller sizes



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



L1027.SS

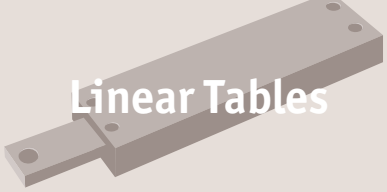
Material
Steel body (S50C), nickel plated.
Nickel plated cross roller rails and fasteners, steel rollers, stainless steel roller cages.

Technical Notes
Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 3µ.
Coefficient of friction: 0,003.

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

Order No.	Stroke l_1	Load kg max.	w_1 ±0.1	l_2	h_1 ±0.1	l_3	l_4	l_5	l_6	l_7	w_2	w_3
L1027.020-012-SS	12	23	20	25	8	3.5	1x18	3.5	18	-	6.6	14
L1027.020-018-SS	18	32	20	35	8	3.5	1x28	5.0	25	-	6.6	14
L1027.020-025-SS	25	47	20	45	8	12.5	1x20	3.5	38	25	6.6	14
L1027.020-032-SS	32	54	20	55	8	12.5	1x30	3.5	48	29	6.6	14
L1027.020-040-SS	40	60	20	65	8	12.5	2x20	5.0	55	31	6.6	14
L1027.020-045-SS	45	73	20	75	8	22.5	1x30	5.0	65	35	6.6	14
L1027.020-050-SS	50	79	20	85	8	12.5	2x30	5.0	75	40	6.6	14
L1027.030-018-SS	18	40	30	35	12	3.5	1x28	5.0	25	-	12.0	22
L1027.030-030-SS	30	63	30	50	12	3.5	1x43	7.5	35	-	12.0	22
L1027.030-040-SS	40	75	30	65	12	17.5	1x30	5.0	55	33	12.0	22
L1027.030-050-SS	50	95	30	80	12	17.5	1x45	5.0	70	40	12.0	22
L1027.030-060-SS	60	105	30	95	12	17.5	2x30	5.0	85	45	12.0	22
L1027.030-070-SS	70	120	30	110	12	32.5	1x45	7.5	95	50	12.0	22
L1027.030-080-SS	80	130	30	125	12	17.5	2x45	7.5	110	55	12.0	22
L1027.040-030-SS	30	126	40	55	16	7.5	1x40	7.5	40	-	16.0	30
L1027.040-045-SS	45	183	40	80	16	7.5	1x65	6.0	68	43	16.0	30
L1027.040-060-SS	60	220	40	105	16	27.5	1x50	7.5	90	55	16.0	30
L1027.040-075-SS	75	275	40	130	16	27.5	1x75	7.5	115	65	16.0	30
L1027.040-090-SS	90	310	40	155	16	27.5	2x50	7.5	140	95	16.0	30
L1027.040-105-SS	105	355	40	180	16	52.5	1x75	7.5	165	85	16.0	30
L1027.040-130-SS	130	375	40	205	16	27.5	2x75	7.5	190	90	16.0	30

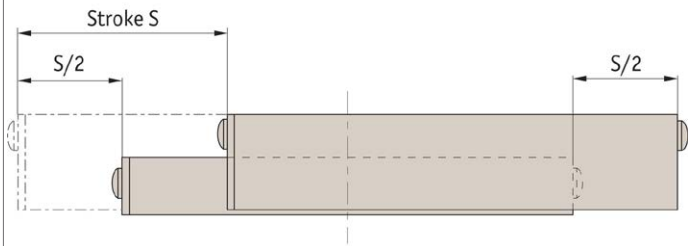
Order No.	h_2	h_3	h_4	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	No. of base holes	No. of carr holes
L1027.020-012-SS	4	3.5	2.5	M2	3.9	2.6	0.80	1.29	1.33	2	4
L1027.020-018-SS	4	3.5	2.5	M2	3.9	2.6	1.04	2.59	2.71	2	4
L1027.020-025-SS	4	3.5	2.5	M2	3.9	2.6	1.51	4.55	4.79	4	4
L1027.020-032-SS	4	3.5	2.5	M2	3.9	2.6	1.74	5.36	5.63	4	4
L1027.020-040-SS	4	3.5	2.5	M2	3.9	2.6	1.94	8.16	8.33	4	6
L1027.020-045-SS	4	3.5	2.5	M2	3.9	2.6	2.27	11.5	12.1	4	4
L1027.020-050-SS	4	3.5	2.5	M2	3.9	2.6	2.55	13.9	14.6	4	6



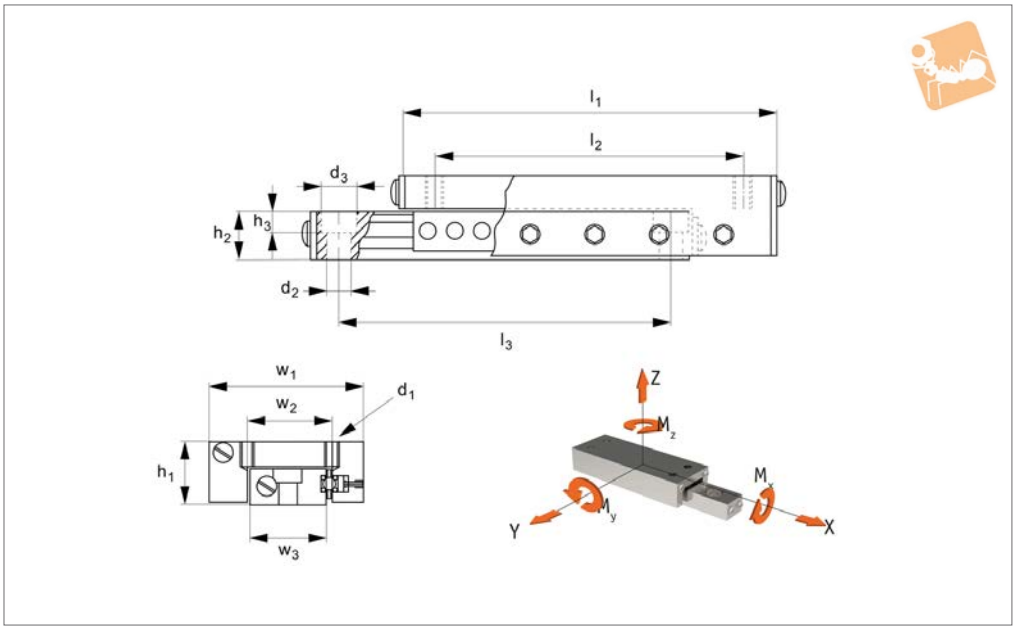
Low Profile Crossed Roller Table

anti-corrosion, nickel plated

Order No.	h_2	h_3	h_4	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	No. of base holes	No. of carr holes
L1027.030-018-SS	6	5.5	3.8	M4	6.1	4	2.35	3.06	3.21	2	4
L1027.030-030-SS	6	5.5	3.8	M4	6.1	4	3.71	6.49	6.80	2	4
L1027.030-040-SS	6	5.5	3.8	M4	6.1	4	4.41	9.92	10.4	4	4
L1027.030-050-SS	6	5.5	3.8	M4	6.1	4	5.58	15.3	16.1	4	4
L1027.030-060-SS	6	5.5	3.8	M4	6.1	4	6.17	20.0	21.0	4	6
L1027.030-070-SS	6	5.5	3.8	M4	6.1	4	7.05	26.4	27.7	4	4
L1027.030-080-SS	6	5.5	3.8	M4	6.1	4	7.64	32.4	34.1	4	6
L1027.040-030-SS	8	7.5	5.2	M5	8.3	5.2	9.87	14.8	15.5	2	4
L1027.040-045-SS	8	7.5	5.2	M5	8.3	5.2	14.4	31.0	32.6	4	4
L1027.040-060-SS	8	7.5	5.2	M5	8.3	5.2	17.2	48.5	50.9	4	4
L1027.040-075-SS	8	7.5	5.2	M5	8.3	5.2	21.5	74.7	78.4	4	4
L1027.040-090-SS	8	7.5	5.2	M5	8.3	5.2	24.2	100	105	4	6
L1027.040-105-SS	8	7.5	5.2	M5	8.3	5.2	27.8	136	142	4	4
L1027.040-130-SS	8	7.5	5.2	M5	8.3	5.2	29.4	158	166	4	6



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



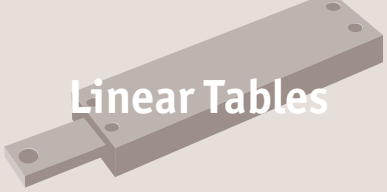
L1038

Material
Aluminium carriage (clear anodized) and base (black anodized).
Hardened stainless steel balls, shafts and preload gibs.

Technical Notes
Straight line accuracy: 13µ/25mm of travel.
Positional repeatability: 5µ.
Coefficient of friction: 0,003.
Increased life with overhanging loads.
Low friction, straight line design.
Factory preload controls side play and backlash.
Particularly useful for vertical applications.

Tips
In certain applications - uneven loads, vertical mounting or offset forces can cause standard ball retainers to become misaligned - leading eventually to a reduction in travel, the need for higher forces for full travel and ultimately failure of the assembly.
The anti-creep retainer used in these units prevents ball retainer misalignment and helps keep the rolling elements centred in the assembly - increasing assembly life and performance.
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	w_2	h_2	w_3	l_3	Weight g
L1038.010-013	13	0.7	9.7	19.0	5.8	13.0	4.0	3.4	4.0	10.0	3
L1038.010-025	25	0.7	9.7	32.0	5.8	26.0	4.0	3.4	4.0	20.0	4
L1038.010-038	38	0.7	9.7	44.0	5.8	37.0	4.0	3.4	4.0	30.0	7
L1038.014-013	13	2	14.2	27.0	8.0	15.0	6.0	4.7	6.4	19.0	9
L1038.014-025	25	4	14.2	52.0	8.0	41.0	6.0	4.7	6.4	35.0	14
L1038.014-050	50	5	14.2	78.0	8.0	66.0	6.0	4.7	6.4	60.0	23
L1038.014-075	75	6	14.2	103.0	8.0	92.0	6.0	4.7	6.4	86.0	31
L1038.014-100	100	8	14.2	128.0	8.0	117.0	6.0	4.7	6.4	89.0	34
L1038.014-127	127	8	14.2	154.0	8.0	142.0	6.0	4.7	6.4	114.0	43
L1038.019-013	13	4	19.0	27.0	10.4	15.0	9.0	6.3	9.5	19.0	11
L1038.019-025	25	5	19.0	52.0	10.4	41.0	9.0	6.3	9.5	35.0	26
L1038.019-050	50	5	19.0	78.0	10.4	660	9.0	6.3	9.5	60.0	37
L1038.019-075	75	6	19.0	103.0	10.4	92.0	9.0	6.3	9.5	86.0	48
L1038.019-100	100	7	19.0	128.0	10.4	117.0	9.0	6.3	9.5	89.0	60
L1038.019-127	127	8	19.0	154.0	10.4	142.0	9.0	6.3	9.5	114.0	71
L1038.025-013	13	5	25.4	40.0	12.7	32.0	10.0	6.3	12.7	32.0	34
L1038.025-025	25	5	25.4	65.0	12.7	57.0	10.0	6.3	12.7	57.0	48
L1038.025-038	38	6	25.4	78.0	12.7	65.0	10.0	6.3	12.7	65.0	54
L1038.025-050	50	7	25.4	90.0	12.7	82.0	10.0	6.3	12.7	82.0	62
L1038.025-075	75	8	25.4	116.0	12.7	108.0	10.0	6.3	12.7	108.0	142
L1038.027-019	19	7	26.9	40.0	13.4	32.0	10.0	7.9	12.7	28.0	37
L1038.027-038	38	8	26.9	65.0	13.4	57.0	10.0	7.9	12.7	54.0	65
L1038.027-050	50	9	26.9	90.0	13.4	82.0	10.0	7.9	12.7	79.0	85
L1038.027-075	75	11	26.9	116.0	13.4	102.0	10.0	7.9	12.7	82.0	147
L1038.027-100	100	14	26.9	152.0	13.4	140.0	10.0	7.9	12.7	102.0	170



Anti-Creep Ball Slide Assemblies

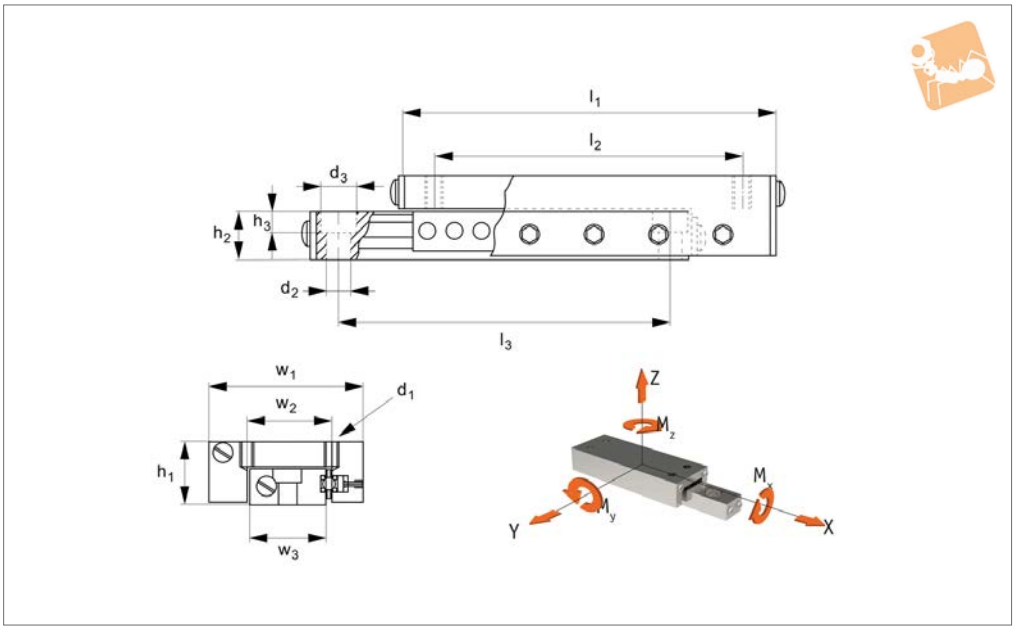
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	w_2	h_2	w_3	l_3	Weight g
L1038.027-150	150	16	26.9	203.0	13.4	190.0	10.0	7.9	12.7	127.0	198
L1038.027-200	200	18	26.9	254.0	13.4	240.0	10.0	7.9	12.7	178.0	227
L1038.038-025	25	7	38.0	51.0	15.8	35.0	16.0	8.6	19.0	37.0	82
L1038.038-050	50	9	38.0	76.0	15.8	60.0	16.0	8.6	19.0	60.0	122
L1038.038-075	75	11	38.0	102.0	15.8	85.0	16.0	8.6	19.0	85.0	170
L1038.038-088	88	14	38.0	127.0	15.8	110.0	16.0	8.6	19.0	85.0	190
L1038.038-100	100	16	38.0	152.0	15.8	136.0	16.0	8.6	19.0	100.0	232
L1038.038-150	150	20	38.0	203.0	15.8	186.0	16.0	8.6	19.0	128.0	261
L1038.038-200	200	25	38.0	254.0	15.8	238.0	16.0	8.6	19.0	178.0	326
L1038.045-025	25	9	44.0	51.0	19.0	35.0	20.0	10.2	22.2	38.0	113
L1038.045-038	38	14	44.0	70.0	19.0	55.0	20.0	10.2	22.2	55.0	170
L1038.045-050	50	19	44.0	83.0	19.0	65.0	20.0	10.2	22.2	65.0	184
L1038.045-075	75	24	44.0	102.0	19.0	85.0	20.0	10.2	22.2	85.0	227
L1038.045-100	100	27	44.0	152.0	19.0	140.0	20.0	10.2	22.2	100.0	335
L1038.045-150	150	34	44.0	203.0	19.0	190.0	20.0	10.2	22.2	126.0	445
L1038.045-200	200	41	44.0	254.0	19.0	240.0	20.0	10.2	22.2	178.0	553
L1038.067-025	25	14	66.5	67.0	25.4	54.0	35.0	15.9	38.1	54.0	283
L1038.067-038	38	16	66.5	67.0	25.4	42.0	35.0	15.9	38.1	42.0	283
L1038.067-050	50	28	66.5	102.0	25.4	75.0	35.0	15.9	38.1	75.0	425
L1038.067-075	75	40	66.5	127.0	25.4	100.0	35.0	15.9	38.1	100.0	590
L1038.067-100	100	54	66.5	152.0	25.4	125.0	35.0	15.9	38.1	125.0	771
L1038.067-127	127	61	66.5	203.0	25.4	175.0	35.0	15.9	38.1	187.0	879
L1038.067-150	150	68	66.5	229.0	25.4	75.0	35.0	15.9	38.1	178.0	498
L1038.067-228	228	84	66.5	305.0	25.4	75.0	35.0	15.9	38.1	254.0	1318
L1038.067-304	304	93	66.5	381.0	25.4	75.0	35.0	15.9	38.1	330.0	1644

Order No.	d_1	d_2	d_3	h_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	Counterbore screw size
L1038.010-013	M2	M2	-	-	0.1	0.2	0.2	-
L1038.010-025	M2	M2	-	-	0.1	0.3	0.3	-
L1038.010-038	M2	M2	-	-	0.1	0.5	0.5	-
L1038.014-013	M2	2.2	4.0	2.2	0.5	1.0	1.0	M2
L1038.014-025	M2	2.2	4.0	2.2	1.2	4.5	4.7	M2
L1038.014-050	M2	2.2	4.0	2.2	1.5	8.64	9.1	M2
L1038.014-075	M2	2.2	4.0	2.2	1.8	13.4	14.1	M2
L1038.014-100	M2	2.2	4.0	2.2	2.0	17.9	18.8	M2
L1038.014-127	M2	2.2	4.0	2.2	2.3	23.0	24.2	M2
L1038.019-013	M3	3.5	6.1	3.4	1.5	1.9	2.0	M3
L1038.019-025	M3	3.5	6.1	3.4	1.9	4.8	5.0	M3
L1038.019-050	M3	3.5	6.1	3.4	2.3	8.6	9.1	M3
L1038.019-075	M3	3.5	6.1	3.4	2.7	13.4	14.1	M3
L1038.019-100	M3	3.5	6.1	3.4	3.1	17.9	18.8	M3
L1038.019-127	M3	3.5	6.1	3.4	3.5	23.0	24.1	M3
L1038.025-013	M4	3.5	6.1	3.4	2.5	3.3	3.5	M3
L1038.025-025	M4	3.5	6.1	3.4	3.0	8.6	9.1	M3
L1038.025-038	M4	3.5	6.1	3.4	3.2	10.4	10.9	M3
L1038.025-050	M4	3.5	6.1	3.4	3.7	13.2	13.9	M3
L1038.025-075	M4	3.5	6.1	3.4	4.5	20.2	21.2	M3
L1038.027-019	M4	4.6	6.1	4.4	3.8	4.5	4.7	M4
L1038.027-038	M4	4.6	6.1	4.4	4.6	10.8	11.3	M4
L1038.027-050	M4	4.6	6.1	4.4	5.3	18.0	18.9	M4
L1038.027-075	M4	4.6	6.1	4.4	6.4	27.5	28.9	M4
L1038.027-100	M4	4.6	6.1	4.4	7.7	45.0	47.3	M4
L1038.027-150	M4	4.6	6.1	4.4	9.0	66.5	69.8	M4
L1038.027-200	M4	4.6	6.1	4.4	10.2	92.0	96.6	M4
L1038.038-025	M4	4.6	8.1	4.4	M4	5.6	6.0	6.3
L1038.038-050	M4	4.6	8.1	4.4	M4	7.4	12.0	12.6
L1038.038-075	M4	4.6	8.1	4.4	M4	9.2	20.0	21.0
L1038.038-088	M4	4.6	8.1	4.4	M4	11.1	33.0	34.6
L1038.038-100	M4	4.6	8.1	4.4	M4	12.9	49.0	51.4
L1038.038-150	M4	4.6	8.1	4.4	M4	16.6	81.0	85.0
L1038.038-200	M4	4.6	8.1	4.4	M4	20.3	121	127
L1038.045-025	M4	4.6	8.1	4.4	M4	8.5	8.0	8.4
L1038.045-038	M4	4.6	8.1	4.4	M4	12.8	18.0	18.9
L1038.045-050	M4	4.6	8.1	4.4	M4	17.9	29.4	30.9
L1038.045-075	M4	4.6	8.1	4.4	M4	22.1	41.6	43.7

Order No.	d_1	d_2	d_3	h_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	Counterbore screw size
L1038.045-100	M4	4.6	8.1	4.4	M4	25.5	84.0	88.2
L1038.045-150	M4	4.6	8.1	4.4	M4	31.9	135	141
L1038.045-200	M4	4.6	8.1	4.4	M4	38.3	198	207
L1038.067-025	M5	5.8	10.0	5.3	M5	21.9	16.8	17.6
L1038.067-038	M5	5.8	10.0	5.3	M5	25.5	16.8	17.6
L1038.067-050	M5	5.8	10.0	5.3	M5	45.2	60.8	63.8
L1038.067-075	M5	5.8	10.0	5.3	M5	64.1	110.9	116.4
L1038.067-100	M5	5.8	10.0	5.3	M5	86.0	181	190
L1038.067-127	M5	5.8	10.0	5.3	M5	98.4	283	297
L1038.067-150	M5	5.8	10.0	5.3	M5	109.3	357	374
L1038.067-228	M5	5.8	10.0	5.3	M5	134.9	543	571
L1038.067-304	M5	5.8	10.0	5.3	M5	149.4	717	753

Non-Magnetic Ball Slide Assemblies

L1039



Material
Base and carriage aluminium. Titanium shafting gib strips, silicone nitride ceramic balls, brass fasteners.

Technical Notes
Straight line accuracy: 13µ/25mm travel.

Positional repeatability: 5µ.
Coefficient of friction 0,003 typical.

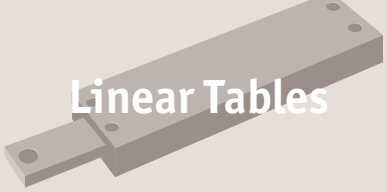
Tips
Non-magnetic and no lubrication required due to the self-cleaning ball bearing design.

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	w_2	h_2	w_3	l_3	Weight g
L1039.014-013	13	0.5	14.2	27.0	8.0	15.0	6.0	4.7	6.4	19.0	9
L1039.014-025	25	1.1	14.2	52.0	8.0	41.0	6.0	4.7	6.4	35.0	14
L1039.014-050	50	1.6	14.2	78.0	8.0	66.0	6.0	4.7	6.4	60.0	23
L1039.014-075	75	1.9	14.2	103.0	8.0	92.0	6.0	4.7	6.4	86.0	31
L1039.014-100	100	2.2	14.2	128.0	8.0	117.0	6.0	4.7	6.4	89.0	34
L1039.014-127	127	2.5	14.2	154.0	8.0	142.0	6.0	4.7	6.4	114.0	43
L1039.019-013	13	1.1	19.0	27.0	10.4	15.0	9.0	6.3	9.5	19.0	11
L1039.019-025	25	1.4	19.0	52.0	10.4	41.0	9.0	6.3	9.5	35.0	26
L1039.019-050	50	1.6	19.0	78.0	10.4	66.0	9.0	6.3	9.5	60.0	37
L1039.019-075	75	1.9	19.0	103.0	10.4	92.0	9.0	6.3	9.5	86.0	48
L1039.019-100	100	2.2	19.0	128.0	10.4	117.0	9.0	6.3	9.5	89.0	60
L1039.019-127	127	2.5	19.0	154.0	10.4	142.0	9.0	6.3	9.5	114.0	71
L1039.025-013	13	1.4	25.4	40.0	12.7	32.0	10.0	6.3	12.7	32.0	34
L1039.025-025	25	1.6	25.4	65.0	12.7	57.0	10.0	6.3	12.7	57.0	48
L1039.025-038	38	1.8	25.4	78.0	12.7	65.0	10.0	6.3	12.7	65.0	54
L1039.025-050	50	2.1	25.4	90.0	12.7	82.0	10.0	6.3	12.7	82.0	62
L1039.025-075	75	2.5	25.4	116.0	12.7	108.0	10.0	6.3	12.7	108.0	142
L1039.027-019	19	2.1	26.9	40.0	13.4	32.0	10.0	7.9	12.7	28.0	37
L1039.027-038	38	2.5	26.9	65.0	13.4	57.0	10.0	7.9	12.7	54.0	65
L1039.027-050	50	2.7	26.9	90.0	13.4	82.0	10.0	7.9	12.7	79.0	85
L1039.027-075	75	3.4	26.9	116.0	13.4	102.0	10.0	7.9	12.7	82.0	147
L1039.027-100	100	4.1	26.9	152.0	13.4	140.0	10.0	7.9	12.7	102.0	170
L1039.027-150	150	4.8	26.9	203.0	13.4	190.0	10.0	7.9	12.7	127.0	198
L1039.027-200	200	5.4	26.9	254.0	13.4	240.0	10.0	7.9	12.7	178.0	227
L1039.038-025	25	2.1	38.0	51.0	15.8	35.0	16.0	8.6	19.0	37.0	82
L1039.038-050	50	2.7	38.0	76.0	15.8	60.0	16.0	8.6	19.0	60.0	122
L1039.038-075	75	3.4	38.0	102.0	15.8	85.0	16.0	8.6	19.0	85.0	170
L1039.038-088	88	4.1	38.0	127.0	15.8	110.0	16.0	8.6	19.0	85.0	190
L1039.038-100	100	4.8	38.0	152.0	15.8	136.0	16.0	8.6	19.0	100.0	232
L1039.038-150	150	6.1	38.0	203.0	15.8	186.0	16.0	8.6	19.0	128.0	261

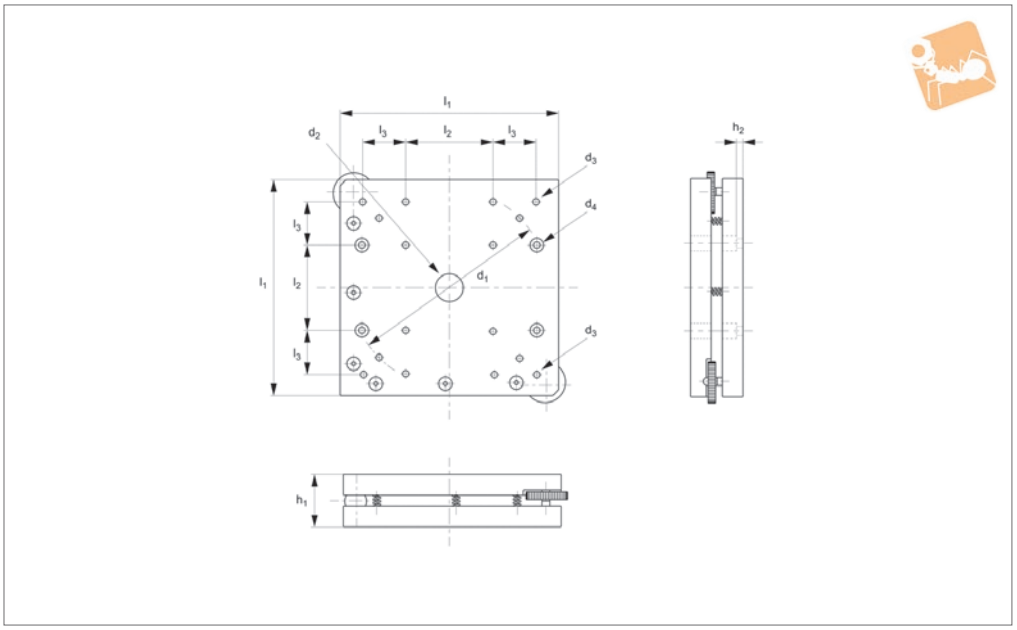
Order No.	Stroke	Load kg max.	w_1	l_1	h_1	l_2	w_2	h_2	w_3	l_3	Weight g
L1039.038-200	200	7.5	38.0	254.0	15.8	238.0	16.0	8.6	19.0	178.0	326
L1039.044-025	25	2.7	44.0	51.0	19.0	35.0	20.0	10.2	22.2	38.0	113
L1039.044-038	38	4.1	44.0	70.0	19.0	55.0	20.0	10.2	22.2	55.0	170
L1039.044-050	50	5.7	44.0	83.0	19.0	65.0	20.0	10.2	22.2	65.0	184
L1039.044-075	75	7.0	44.0	102.0	19.0	85.0	20.0	10.2	22.2	85.0	227
L1039.044-100	100	8.2	44.0	152.0	19.0	140.0	20.0	10.2	22.2	100.0	335
L1039.044-150	150	10.2	44.0	203.0	19.0	190.0	20.0	10.2	22.2	126.0	445
L1039.044-200	200	12.3	44.0	254.0	19.0	240.0	20.0	10.2	22.2	178.0	553
L1039.067-025	25	4.1	66.5	67.0	25.4	54.0	35.0	15.9	38.1	54.0	283
L1039.067-038	38	4.8	66.5	67.0	25.4	42.0	35.0	15.9	38.1	42.0	283
L1039.067-050	50	8.5	66.5	102.0	25.4	75.0	35.0	15.9	38.1	75.0	425
L1039.067-075	75	12.0	66.5	127.0	25.4	100.0	35.0	15.9	38.1	100.0	590
L1039.067-100	100	16.1	66.5	152.0	25.4	125.0	35.0	15.9	38.1	125.0	771
L1039.067-127	127	18.4	66.5	203.0	25.4	175.0	35.0	15.9	38.1	187.0	879
L1039.067-150	150	20.5	66.5	229.0	25.4	75.0	35.0	15.9	38.1	178.0	498
L1039.067-228	228	25.2	66.5	305.0	25.4	75.0	35.0	15.9	38.1	254.0	1318
L1039.067-304	304	28.0	66.5	381.0	25.4	75.0	35.0	15.9	38.1	330.0	1644

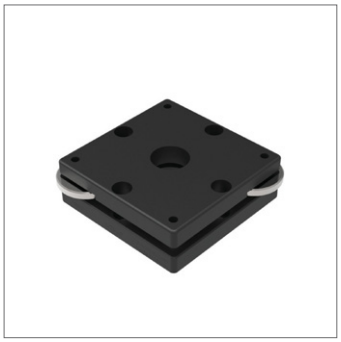
Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1039.014-013	M2	2.2	4.0	2.2	M2	0.02	0.03	0.03
L1039.014-025	M2	2.2	4.0	2.2	M2	0.03	0.15	0.15
L1039.014-050	M2	2.2	4.0	2.2	M2	0.06	0.30	0.30
L1039.014-075	M2	2.2	4.0	2.2	M2	0.06	0.45	0.48
L1039.014-100	M2	2.2	4.0	2.2	M2	0.06	0.18	0.63
L1039.014-127	M2	2.2	4.0	2.2	M2	0.09	0.78	0.81
L1039.019-013	M3	3.5	6.1	3.4	M3	0.06	0.06	0.06
L1039.019-025	M3	3.5	6.1	3.4	M3	0.06	0.15	0.18
L1039.019-050	M3	3.5	6.1	3.4	M3	0.09	0.09	0.30
L1039.019-075	M3	3.5	6.1	3.4	M3	0.09	0.45	0.48
L1039.019-100	M3	3.5	6.1	3.4	M3	0.09	0.18	0.63
L1039.019-127	M3	3.5	6.1	3.4	M3	0.12	0.78	0.81
L1039.025-013	M4	3.5	6.1	3.4	M3	0.09	0.12	0.72
L1039.025-025	M4	3.5	6.1	3.4	M3	0.09	0.09	0.09
L1039.025-038	M4	3.5	6.1	3.4	M3	0.12	0.36	0.36
L1039.025-050	M4	3.5	6.1	3.4	M3	0.12	0.45	0.48
L1039.025-075	M4	3.5	6.1	3.4	M3	0.15	0.69	0.72
L1039.027-019	M4	4.6	8.1	4.4	M4	0.12	0.15	0.15
L1039.027-038	M4	4.6	8.1	4.4	M4	0.15	0.36	0.39
L1039.027-050	M4	4.6	8.1	4.4	M4	0.18	0.18	0.63
L1039.027-075	M4	4.6	8.1	4.4	M4	0.21	0.93	0.99
L1039.027-100	M4	4.6	8.1	4.4	M4	0.04	1.53	1.59
L1039.027-150	M4	4.6	8.1	4.4	M4	0.09	2.25	2.37
L1039.027-200	M4	4.6	8.1	4.4	M4	0.36	3.09	3.27
L1039.038-025	M4	4.6	8.1	4.4	M4	0.18	0.21	0.21
L1039.038-050	M4	4.6	8.1	4.4	M4	0.24	0.42	0.42
L1039.038-075	M4	4.6	8.1	4.4	M4	0.09	0.69	0.72
L1039.038-088	M4	4.6	8.1	4.4	M4	0.36	1.11	1.17
L1039.038-100	M4	4.6	8.1	4.4	M4	0.45	1.65	1.74
L1039.038-150	M4	4.6	8.1	4.4	M4	0.57	2.73	2.88
L1039.038-200	M4	4.6	8.1	4.4	M4	0.69	4.08	4.29
L1039.044-025	M4	4.6	8.1	4.4	M4	0.30	0.27	0.27
L1039.044-038	M4	4.6	8.1	4.4	M4	1.1	0.60	0.63
L1039.044-050	M4	4.6	8.1	4.4	M4	0.60	0.99	1.05
L1039.044-075	M4	4.6	8.1	4.4	M4	0.75	1.41	1.47
L1039.044-100	M4	4.6	8.1	4.4	M4	0.87	3.00	3.00
L1039.044-150	M4	4.6	8.1	4.4	M4	1.08	4.56	4.8
L1039.044-200	M4	4.6	8.1	4.4	M4	1.29	6.69	7.02
L1039.067-025	M5	5.8	10.0	5.3	M5	0.75	0.57	0.6
L1039.067-038	M5	5.8	10.0	5.3	M5	0.87	0.57	0.6
L1039.067-050	M5	5.8	10.0	5.3	M5	1.53	2.07	2.16
L1039.067-075	M5	5.8	10.0	5.3	M5	2.16	3.75	3.93
L1039.067-100	M5	5.8	10.0	5.3	M5	2.91	6.15	6.45
L1039.067-127	M5	5.8	10.0	5.3	M5	3.33	9.60	10.08
L1039.067-150	M5	5.8	10.0	5.3	M5	3.69	12.09	12.69
L1039.067-228	M5	5.8	10.0	5.3	M5	4.56	18.42	19.35



Non-Magnetic Ball Slide Assemblies

Order No.	d_1	d_2	d_3	h_3	Counterbore screw size	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1039.067-304	M5	5.8	10.0	5.3	M5	5.04	24.3	25.53

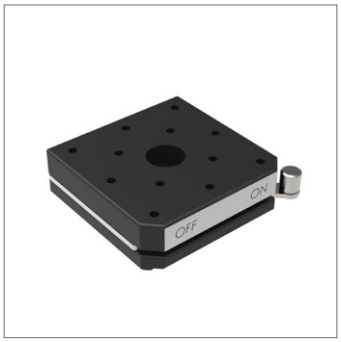




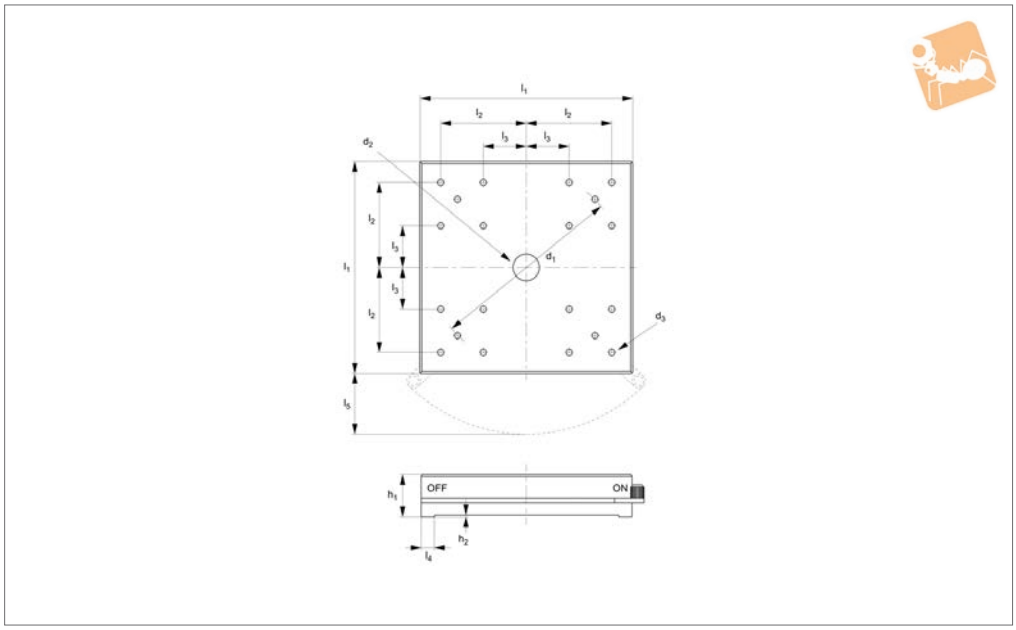
L3310

Material
Aluminium body blackened, steel knob.

Order No.	h_1	Load kg max.	Travel/rev	Travel distance	d_1	d_2	d_3	d_4	h_2	l_1	l_2	l_3
L3310.030	15	2.0	1° 25‘	±2°	-	M 6x1	M2	2.5	2	30	24	-
L3310.060	20	4.0	0° 40‘	±2°	-	M16x1	M4	4.5	4	60	50	-
L3310.090	23	5.0	0° 24‘	±2°	114	M16x1	M4	4.5	4	90	50	-
L3310.125	30	5.0	0° 15‘	±2°	114	M16x1	M4	4.5	4	125	50	25

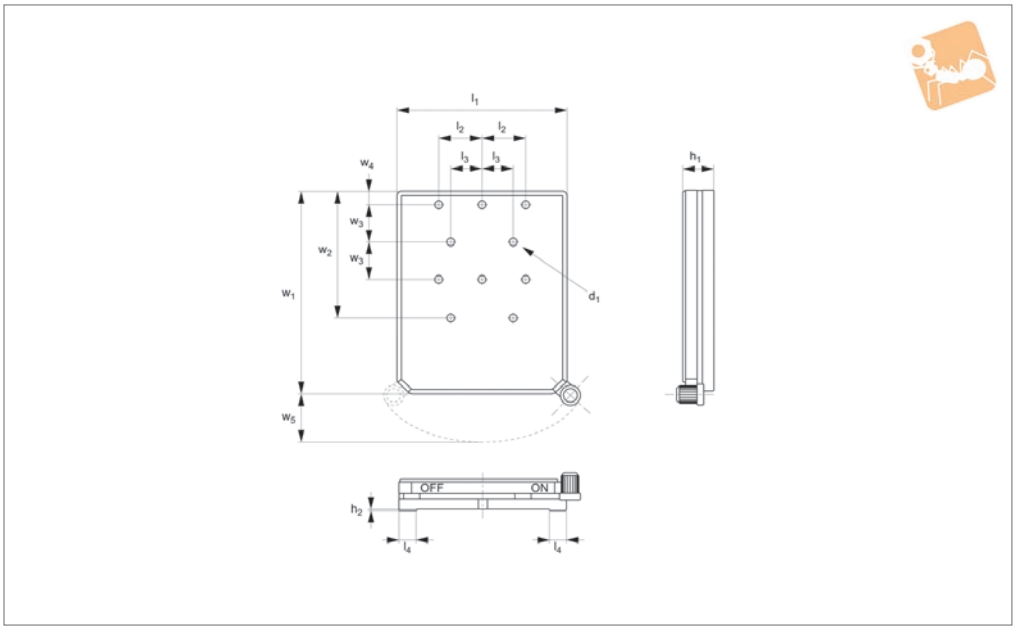


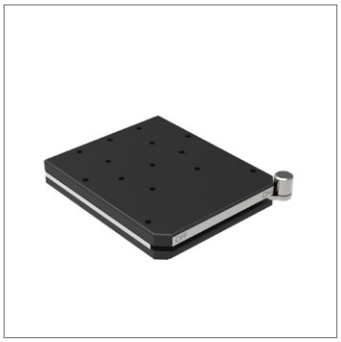
L3314



Material
Aluminium body blackened, steel knob.

Order No.	l_1	h_1	Holding force kgf	Parallelism	l_2	l_3	l_4	l_5	d_1	d_2	d_3	h_2
L3314.045	45	20	17.0	0.015	12	-	3	14.5	-	M 6x1	M2	1
L3314.065	65	20	20.0	0.020	25	-	4	18.5	-	M16x1	M4	1
L3314.090	90	20	25.0	0.020	25	-	6	28.0	114	M16x1	M4	1
L3314.125	125	25	100.0	0.020	50	25	8	35.5	114	M16x1	M4	1





L3315

Material
Aluminium body blackened, steel knob.

Order No.	l_1	h_1	w_1	Holding force kgf	Parallelism	l_2	l_3	l_4	d_1	w_2	w_3	w_4	h_2	w_5
L3315.038	38	12	51	1.0	0.015	12.5	8.5	12.5	M3	35	15	5	0.5	16
L3315.052	52	12	63	3.3	0.020	17.0	12.5	12.0	M3	50	15	5	0.5	18
L3315.066	66	12	80	3.8	0.020	17.0	12.5	10.0	M3	50	15	5	0.5	19