



L1013

LINEAR GUIDEWAYS

Material

Rail and carriage: Hardened stainless steel.
Back plate and screws: Stainless steel.
Ball: Steel.

Technical Notes

The carriage has two rows of steel balls.
The ball track has a gothic profile with a

45° contact angle to achieve equal load capacity in a mono block.

This enables greater space to accommodate larger rolling elements.

The steel balls roll without recirculation resulting in smooth operation, low friction and no vibration.

Important Notes

Max. Temperature +150°C

Order No.	Stroke max.	l_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8	l_9	h_1	h_2	h_3	h_4	h_5
L1013.07-030	27	30	28.0	15	6.5	30	28.0	15	6.5	1.0	8	6.5	4.7	2.5	2.3
L1013.07-045	41	45	43.0	30	6.5	45	43.0	30	6.5	1.0	8	6.5	4.7	2.5	2.3
L1013.07-060	55	60	58.0	45	6.5	60	58.0	45	6.5	1.0	8	6.5	4.7	2.5	2.3
L1013.09-040	38	40	38.0	20	9.0	40	38.0	20	9.0	1.3	10	7.8	5.5	3.0	3.5
L1013.09-060	58	60	58.0	40	9.0	60	58.0	40	9.0	1.3	10	7.8	5.5	3.0	3.5
L1013.09-080	78	80	78.0	60	9.0	80	78.0	60	9.0	1.3	10	7.8	5.5	3.0	3.5
L1013.12-050	44	50	47.4	25	11.2	50	47.4	25	11.2	1.3	13	10.0	7.5	3.5	4.5
L1013.12-075	69	75	72.4	50	11.2	75	72.4	50	11.2	1.3	13	10.0	7.5	3.5	4.5
L1013.12-100	94	100	97.4	75	11.2	100	97.4	75	11.2	1.3	13	10.0	7.5	3.5	4.5

Order No.	d_1	d_2	d_3	w_1	w_2	w_3	w_4	Static load C_0 N	M_y Nm	M_z Nm
L1013.07-030	M2	4.2	2.4	17	12	7	5.0	1580	5.9	3.4
L1013.07-045	M2	4.2	2.4	17	12	7	5.0	2500	3.1	8.0
L1013.07-060	M2	4.2	2.4	17	12	7	5.0	3330	12.4	14.6
L1013.09-040	M3	6.0	3.5	20	15	9	5.5	2773	13.1	6.8
L1013.09-060	M3	6.0	3.5	20	15	9	5.5	4170	19.7	16.0
L1013.09-080	M3	6.0	3.5	20	15	9	5.5	5547	26.2	29.2
L1013.12-050	M3	6.0	3.5	27	20	12	7.5	4340	27.0	16.0
L1013.12-075	M3	6.0	3.5	27	20	12	7.5	6510	40.1	35.6
L1013.12-100	M3	6.0	3.5	27	20	12	7.5	8670	54.0	62.8