



L1013

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.	Max. stroke	l_1	h_1	w_1	w_2	w_3	w_4	l_2	l_3	l_4	l_5	l_6	l_7	l_8	l_9
L1013.07-030	27	30	8	17	12	7	5,0	28,0	15	6,5	30	28,0	15	6,5	1,0
L1013.07-045	41	45	8	17	12	7	5,0	43,0	30	6,5	45	43,0	30	6,5	1,0
L1013.07-060	55	60	8	17	12	7	5,0	58,0	45	6,5	60	58,0	45	6,5	1,0
L1013.09-040	38	40	10	20	15	9	5,5	38,0	20	9,0	40	38,0	20	9,0	1,3
L1013.09-060	58	60	10	20	15	9	5,5	58,0	40	9,0	60	58,0	40	9,0	1,3
L1013.09-080	78	80	10	20	15	9	5,5	78,0	60	9,0	80	78,0	60	9,0	1,3
L1013.12-050	44	50	13	27	20	12	7,5	47,4	25	11,2	50	47,4	25	11,2	1,3
L1013.12-075	69	75	13	27	20	12	7,5	72,4	50	11,2	75	72,4	50	11,2	1,3
L1013.12-100	94	100	13	27	20	12	7,5	97,4	75	11,2	100	97,4	75	11,2	1,3

Order No.	h_2	h_3	h_4	h_5	d_1	d_2	d_3	Dynamic load C N	Static load C_0 N	M_x Nm	M_y Nm	M_z Nm
L1013.07-030	6,5	4,7	2,5	2,3	M2	4,2	2,4	910	1580	3,4	5,9	3,4
L1013.07-045	6,5	4,7	2,5	2,3	M2	4,2	2,4	1220	2500	8,0	3,1	8,0
L1013.07-060	6,5	4,7	2,5	2,3	M2	4,2	2,4	1490	3330	14,6	12,4	14,6
L1013.09-040	7,8	5,5	3,0	3,5	M3	6,0	3,5	1590	2773	6,8	13,1	6,8
L1013.09-060	7,8	5,5	3,0	3,5	M3	6,0	3,5	2080	4170	16,0	19,7	16,0
L1013.09-080	7,8	5,5	3,0	3,5	M3	6,0	3,5	2520	5547	29,2	26,2	29,2
L1013.12-050	10,0	7,5	3,5	4,5	M3	6,0	3,5	2550	4340	16,0	27,0	16,0
L1013.12-075	10,0	7,5	3,5	4,5	M3	6,0	3,5	3350	6510	35,6	40,1	35,6
L1013.12-100	10,0	7,5	3,5	4,5	M3	6,0	3,5	4050	8670	62,8	54,0	62,8