



L1972.35

LONG LINEAR RAILS

Material

Cold drawn steel, zinc plated (excluding raceways). Induction hardened raceways. High precision, bearing steel balls with steel cages.

Technical Notes

Smooth movement, with very little friction

(less than 0,01). Speeds up to 0,8 m/s. To ensure all fixing holes in the rail are accessible l_1 must be $< (l_3 / 2) - (2 \times l_8)$. To ensure proper smooth movement the stroke, l_2 must be $< l_1$. Rail weight: 1,8 Kg/m.

Tips

Must be mounted to a rigid structure. Stroke end stops must be fitted. Only to be used for horizontal movements.

Order No.	l_1	l_2	l_3	h_1	w_1	d_1	d_2 for	Load C_{0ax} N max.	Load C_{0rad} N max.	M_x Nm	M_y Nm	M_z Nm
L1972.S35-130-0110-0290	130	110	290	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0190-0370	130	190	370	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0270-0450	130	270	450	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0350-0530	130	350	530	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0430-0610	130	430	610	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0510-0690	130	510	690	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0590-0770	130	590	770	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0670-0850	130	670	850	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0750-0930	130	750	930	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-130-0830-1010	130	830	1010	35	17	M6	M6	6825	9750	50	156	219
L1972.S35-210-0190-0450	210	190	450	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0270-0530	210	270	530	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0350-0610	210	350	610	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0430-0690	210	430	690	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0510-0770	210	510	770	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0590-0850	210	590	850	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0670-0930	210	670	930	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0750-1010	210	750	1010	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-0910-1170	210	910	1170	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-1070-1330	210	1070	1330	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-210-1230-1490	210	1230	1490	35	17	M6	M6	11025	15750	87	397	560
L1972.S35-290-0270-0610	290	270	610	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0350-0690	290	350	690	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0430-0770	290	430	770	35	17	M6	25	15225	21750	109	745	1086
L1972.S35-290-0510-0850	290	510	850	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0590-0930	290	590	930	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0670-1010	290	670	1010	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0830-1170	290	830	1170	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-0990-1330	290	990	1330	35	17	M6	M6	15225	21750	109	745	1086



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Order No.	l ₁	l ₂	l ₃	h ₁	w ₁	d ₁	d ₂ for	Load C _{0 ax} N max.	Load C _{0 rad} N max.	M _x Nm	M _y Nm	M _z Nm
L1972.S35-290-1150-1490	290	1150	1490	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-290-1310-1650	290	1310	1650	35	17	M6	M6	15225	21750	109	745	1086
L1972.S35-370-0350-0770	370	350	770	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-0430-0850	370	430	850	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-0510-0930	370	510	930	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-0590-1010	370	590	1010	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-0750-1170	370	750	1170	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-0910-1330	370	910	1330	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-1070-1490	370	1070	1490	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-370-1230-1650	370	1230	1650	35	17	M6	M6	19425	27750	140	1206	1720
L1972.S35-450-0430-930	450	430	930	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-0510-1010	450	510	1010	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-0670-1170	450	670	1170	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-0830-1330	450	830	1330	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-0990-1490	450	990	1490	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-1150-1650	450	1150	1650	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-450-1310-1810	450	1310	1810	35	17	M6	M6	23625	33750	169	1783	2541
L1972.S35-530-0590-1170	530	590	1170	35	17	M6	M6	27825	39750	198.5	2469	3521
L1972.S35-530-0750-1330	530	750	1330	35	17	M6	M6	27825	39750	198.5	2469	3521
L1972.S35-530-0910-1490	530	910	1490	35	17	M6	M6	27825	39750	198.5	2469	3521
L1972.S35-530-1070-1650	530	1070	1650	35	17	M6	M6	27825	39750	198.5	2469	3521
L1972.S35-530-1230-1810	530	1230	1810	35	17	M6	M6	27825	39750	198.5	2469	3521
L1972.S35-610-0670-1330	610	670	1330	35	17	M6	M6	32025	45750	229	3268	4663
L1972.S35-610-0830-1490	610	830	1490	35	17	M6	M6	32025	45750	229	3268	4663
L1972.S35-610-0990-1650	610	990	1650	35	17	M6	M6	32025	45750	229	3268	4663
L1972.S35-610-1150-1810	610	1150	1810	35	17	M6	M6	32025	45750	229	3268	4663

Order No.	l ₄	l ₅	Holes/ slider	l ₆	l ₇	l ₈	h ₂	w ₂	w ₃	R
L1972.S35-130-0110-0290	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0190-0370	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0270-0450	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0350-0530	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0430-0610	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0510-0690	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0590-0770	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0670-0850	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0750-0930	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-130-0830-1010	25	80	2	25	80	25	15.8	16	10	2
L1972.S35-210-0190-0450	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0270-0530	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0350-0610	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0430-0690	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0510-0770	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0590-0850	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0670-0930	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0750-1010	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-0910-1170	25	80	3	25	80	25	15.8	16	10	2

Easy Slide- Size 35

Long Linear Rails



Order No.	l ₄	l ₅	Holes/ slider	l ₆	l ₇	l ₈	h ₂	w ₂	w ₃	R
L1972.S35-210-1070-1330	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-210-1230-1490	25	80	3	25	80	25	15.8	16	10	2
L1972.S35-290-0270-0610	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0350-0690	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0430-0770	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0510-0850	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0590-0930	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0670-1010	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0830-1170	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-0990-1330	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-1150-1490	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-290-1310-1650	25	80	4	25	80	25	15.8	16	10	2
L1972.S35-370-0350-0770	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-0430-0850	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-0510-0930	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-0590-1010	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-0750-1170	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-0910-1330	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-1070-1490	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-370-1230-1650	25	80	5	25	80	25	15.8	16	10	2
L1972.S35-450-0430-930	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-0510-1010	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-0670-1170	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-0830-1330	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-0990-1490	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-1150-1650	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-450-1310-1810	25	80	6	25	80	25	15.8	16	10	2
L1972.S35-530-0590-1170	25	80	7	25	80	25	15.8	16	10	2
L1972.S35-530-0750-1330	25	80	7	25	80	25	15.8	16	10	2
L1972.S35-530-0910-1490	25	80	7	25	80	25	15.8	16	10	2
L1972.S35-530-1070-1650	25	80	7	25	80	25	15.8	16	10	2
L1972.S35-530-1230-1810	25	80	7	25	80	25	15.8	16	10	2
L1972.S35-610-0670-1330	25	80	8	25	80	25	15.8	16	10	2
L1972.S35-610-0830-1490	25	80	8	25	80	25	15.8	16	10	2

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Order No.	l ₄	l ₅	Holes/ slider	l ₆	l ₇	l ₈	h ₂	w ₂	w ₃	R
L1972.S35-610-0990-1650	25	80	8	25	80	25	15.8	16	10	2
L1972.S35-610-1150-1810	25	80	8	25	80	25	15.8	16	10	2