



L1972.28

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 $3/2 \times l_8$. To ensure proper smooth movement the stroke, l_2 must be $< 7 \times l_1$.

Rail weight: 1,0 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 Stroke	l_3	h_1	w_1	d_1	d_2 for	Max. load C_{0rad} N	Max. load C_{0ax} N	M_x Nm	M_y Nm	M_z Nm
L1972.S28-060-003 0-0130	60	30	130	28	13	M5	M5	3480	2436	18	25	37
L1972.S28-060-011 0-0210	60	110	210	28	13	M5	M5	3480	2436	18	25	37
L1972.S28-060-019 0-0290	60	190	290	28	13	M5	M5	3480	2436	18	25	37
L1972.S28-060-027 0-0370	60	270	370	28	13	M5	M5	3480	2436	18	25	37
L1972.S28-060-035 0-0450	60	350	450	28	13	M5	M5	3480	2436	18	25	37
L1972.S28-080-009 0-0210	80	90	210	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-080-017 0-0290	80	170	290	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-080-025 0-0370	80	250	370	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-080-033 0-0450	80	330	450	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-080-041 0-0530	80	410	530	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-080-049 0-0610	80	490	610	28	13	M5	M5	4640	3248	23	45	65
L1972.S28-130-012 0-0290	130	120	290	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-020 0-0370	130	200	370	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-028 0-0450	130	280	450	28	13	M5	M5	7540	5278	38	117	166

Order No.	l_1	l_2 Stroke	l_3	h_1	w_1	d_1	d_2 for	Max. load C_{0rad} N	Max. load C_{0ax} N	M_x Nm	M_y Nm	M_z Nm
L1972.S28-130-036 0-0530	130	360	530	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-044 0-0610	130	440	610	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-052 0-0690	130	520	690	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-060 0-0770	130	600	770	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-068 0-0850	130	680	850	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-076 0-0930	130	760	930	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-130-084 0-1010	130	840	1010	28	13	M5	M5	7540	5278	38	117	166
L1972.S28-210-020 0-0450	210	200	450	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-028 0-0530	210	280	530	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-036 0-0610	210	360	610	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-044 0-0690	210	440	690	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-052 0-0770	210	520	770	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-060 0-0850	210	600	850	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-068 0-0930	210	680	930	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-076 0-1010	210	760	1010	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-092 0-1170	210	920	1170	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-210-108 0-1330	210	1080	1330	28	13	M5	M5	12180	8526	62	300	430
L1972.S28-290-028 0-0610	290	280	610	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-036 0-0690	290	360	690	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-044 0-0770	290	440	770	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-052 0-0850	290	520	850	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-060 0-0930	290	600	930	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-068 0-1010	290	680	1010	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-084 0-1170	290	840	1170	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-100 0-1330	290	1000	1330	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-290-116 0-1490	290	1160	1490	28	13	M5	M5	16820	11774	83	570	815
L1972.S28-370-036 0-0770	370	360	770	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-370-045 0-0850	370	440	850	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-370-052 0-0930	370	520	930	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-370-060 0-1010	370	600	1010	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-370-076 0-1170	370	760	1170	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-370-092 0-1330	370	920	1330	28	13	M5	M5	21460	15022	106	930	1327

Order No.	l_1	l_2 Stroke	l_3	h_1	w_1	d_1	d_2 for	Max. load C_{0rad} N	Max. load C_{0ax} N	M_x Nm	M_y Nm	M_z Nm
L1972.S28-370-1080-1490	370	1080	1490	28	13	M5	M5	21460	15022	106	930	1327
L1972.S28-450-0440-0930	450	440	930	28	13	M5	M5	26100	18270	130	1374	1960
L1972.S28-450-0520-1010	450	520	1010	28	13	M5	M5	26100	18270	130	1374	1960
L1972.S28-450-0680-1170	450	680	1170	28	13	M5	M5	26100	18270	130	1374	1960
L1972.S28-450-0840-1330	450	840	1330	28	13	M5	M5	26100	18270	130	1374	1960
L1972.S28-450-1000-1490	450	1000	1490	28	13	M5	M5	26100	18270	130	1374	1960
L1972.S28-450-1160-1650	450	1160	1650	28	13	M5	M5	26100	18270	130	1374	1960

Order No.	l_4	l_5	Holes/ slider	l_6	l_7	l_8	h_2	w_2	w_3	r
L1972.S28-060-0030-0130	10	20	3	25	80	20	15	12,25	7,5	1
L1972.S28-060-0110-0210	10	20	3	25	80	20	15	12,25	7,5	1
L1972.S28-060-0190-0290	10	20	3	25	80	20	15	12,25	7,5	1
L1972.S28-060-0270-0370	10	20	3	25	80	20	15	12,25	7,5	1
L1972.S28-060-0350-0450	10	20	3	25	80	20	15	12,25	7,5	1
L1972.S28-080-0090-0210	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-080-0170-0290	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-080-0250-0370	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-080-0330-0450	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-080-0410-0530	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-080-0490-0610	10	20	4	25	80	20	15	12,25	7,5	1
L1972.S28-130-0120-0290	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0200-0370	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0280-0450	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0360-0530	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0440-0610	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0520-0690	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0600-0770	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0680-0850	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0760-0930	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-130-0840-1010	25	80	2	25	80	20	15	12,25	7,5	1
L1972.S28-210-0200-0450	25	80	3	25	80	20	15	12,25	7,5	1

Order No.	l ₄	l ₅	Holes/ slider	l ₆	l ₇	l ₈	h ₂	w ₂	w ₃	r
L1972.S28-210-028 0-0530	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-036 0-0610	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-044 0-0690	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-052 0-0770	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-060 0-0850	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-068 0-0930	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-076 0-1010	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-092 0-1170	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-210-108 0-1330	25	80	3	25	80	20	15	12,25	7,5	1
L1972.S28-290-028 0-0610	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-036 0-0690	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-044 0-0770	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-052 0-0850	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-060 0-0930	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-068 0-1010	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-084 0-1170	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-100 0-1330	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-290-116 0-1490	25	80	4	25	80	20	15	12,25	7,5	1
L1972.S28-370-036 0-0770	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-045 0-0850	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-052 0-0930	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-060 0-1010	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-076 0-1170	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-092 0-1330	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-370-108 0-1490	25	80	5	25	80	20	15	12,25	7,5	1
L1972.S28-450-044 0-0930	25	80	6	25	80	20	15	12,25	7,5	1
L1972.S28-450-052 0-1010	25	80	6	25	80	20	15	12,25	7,5	1
L1972.S28-450-068 0-1170	25	80	6	25	80	20	15	12,25	7,5	1
L1972.S28-450-084 0-1330	25	80	6	25	80	20	15	12,25	7,5	1
L1972.S28-450-100 0-1490	25	80	6	25	80	20	15	12,25	7,5	1
L1972.S28-450-116 0-1650	25	80	6	25	80	20	15	12,25	7,5	1