

Electric Wire Rope Hoists “MH” and “MHM” Types





WIRE ROPE ELECTRIC HOISTS

Lifting capacity from 250 kg up to 32 000 kg.

More than 2 000 000 wire rope electric hoists of the well known "T" series have been sold by Balkancarpodem in over 50 countries of the world.

The great experience of Balkancarpodem in the field of the materials handling equipment industry has been used in the up dating of this electric hoist series.

The new "MH" and "MHM" series finds wide application in different fields of economy and corresponds to FEM standards.

NEW "MH" AND "MHM" TYPE

The "MH" and "MHM" series is designed on the basis of the modular principle. The various capacities, lifting heights and lifting speeds ensure wide application of the "MH" and "MHM" hoists. Easy and cost effective.

The wire rope electric hoists of the "MH" and "MHM" series are certified by TÜV and conform to the following norms:

- EG - European requirements for machines 2006/42/EC
- EG - European requirements for low voltage 2006/95/EC
- Harmonized norm EN ISO 12100 - Protection of machines

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Ташев-Галвинг ООД
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Selection

SELECTION CRITERIA

To choose the right hoists the following criteria should be taken account:

1. What will be the maximum loading capacity?
2. What will be the maximum lifting height?
3. What hoisting speed is to be employed?
4. Will an auxiliary reduced lifting speed be required?
5. What will the operational conditions be?
6. What will the travelling speed be, if required?
7. How do you need to operate the hoists?

The type of the hoists is to be defined in accordance with the load spectrum, the average operating time per day in hours, the loading capacity and the reeving.

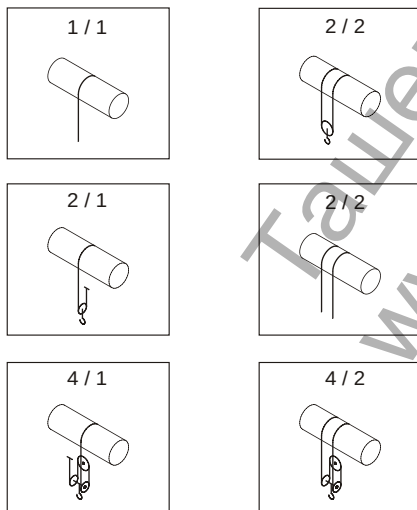
SELECTION EXAMPLE

Loading capacity - **4000 kg**
 Average lifting path of the hook (H) - **5 m**
 Hoisting speed (V) - **4 m/min**
 Reeving - **4/1**
 Load spectrum - **"medium"**
 Cycles per hour (N) - **15**
 Average operating time per day (T) - **6 hours**

The average operating time per day of the hoist is to be calculated in the in the following manner:

$$T_m = \frac{2 \times H \times N \times T}{60 \times V} = \frac{2 \times 5 \times 15 \times 6}{60 \times 4} = 3.75 \text{ hours}$$

For the "medium" load spectrum and average operating time per day of 3.75 hours the group "2m" is shown in table "LOAD SPECTRUM-CLASS OF OPERATING TIME".
 For loading capacity of 4000 kg and 4/1 reeving the type of the hoist **"MHM 4-10"** or **"MH 6-10"** is shown in Table 1 - "Type selection".



Load Spectrum (Duty operation mode) DEFINITION			Class of Operating Time average operating time per day Tm in hours			
LIGHT	Mechanisms, usually subject to very small loads and in exceptional cases only to maximum loads		1 - 2	2 - 4	4 - 8	8 - 16
MEDIUM	Mechanisms, usually subject to small loads but rather often to maximum loads		0,5 - 1	1 - 2	2 - 4	4 - 8
HEAVY	Mechanisms, usually subject to medium loads but frequently maximum loads		0,25 - 0,5	0,5 - 1	1 - 2	2 - 4
VERY HEAVY	Mechanisms, usually subject to maximum or almost maximum loads		< 0,25	0,25 - 0,5	0,5 - 1	1 - 2
GROUP - DIN 15 020 / FEM 9.511			1Bm	1Am	2m	3m
GROUP - ISO 4301			M3	M4	M5	M6

Type Selection

CAPACITY, kg			SERIES	SIZE			
REEVING							
1 / 1 2 / 2	2 / 1 4 / 2	4 / 1					
400	800	1600	MH 3 MHM 4 MHM 5	—	—	—	MH 3-04 MHM 4-04 MHM 5-04
500	1000	2000		—	—	MH 3-05 MHM 4-05 MHM 5-05	—
800	1600	3200	MH 3 MHM 4 MH 6	—	—	MH 3-08	MHM 4-08 MH 6-08
1000	2000	4000		—	—	MHM 4-10 MH 6-10	—
1250	2500	5000	MHM 4 MHM 5 MH 6	—	—	—	MHM 5-12 MH 6-12
1600	3200	6300		—	—	MHM 4-16 MHM 5-16 MH 6-16	—
2000	4000	8000	MHM 5 MH 6 MH 7	—	—	—	MH 6-20 MH 7-20
2500	5000	10000		—	—	MHM 5-25 MH 6-25 MH 7-25	—
3200	6300	12500	MH 6 MH 7	—	—	MH 6-32 MH 7-32	—
4000	8000	16000		—	MH 7-40	—	—
5000	10000	20000		—	—	MH 7-50	—
6300	12500	25000		—	MH 7-63	—	—
8000	16000	32000		MH 7-80	—	—	—

Type selection

Table 1

Capacity, kg	Type	REEVING	DIN 15020 FEM 9.511	ISO 4301	Size of drums									Lifting speed, m/min	
					01	02	03	04	05	06	07	08	09	V1 V1/M1	V2 V2/M2
					Lifting height H, m										
400	MH 3-04	1/1	3m	M6	12	19	26,5	40,5	54,5	—	—	—	—	16 16/4	24 24/4
	MHM 4-04				—	—	—	—	72,5	—	—	—	—		
	MHM 5-04				—	—	—	—	81	102	—	—	—		
	MH 3-04	2/2	3m	M6	—	—	11	20,5	29,5	—	—	—	—	16 16/4	24 24/4
	MHM 4-04				—	—	15	—	—	—	—	—	—		
	MHM 5-04				—	—	—	31,5	—	—	—	—	—		
500	MH 3-05	1/1	2m	M5	12	19	26,5	40,5	54,5	—	—	—	—	16 16/4	24 24/4
	MHM 4-05				—	—	—	—	72,5	—	—	—	—		
	MHM 5-05				—	—	—	—	81	102	—	—	—		
	MH 3-05	2/2	2m	M5	—	—	11	20,5	29,5	—	—	—	—	16 16/4	24 24/4
	MHM 4-05				—	—	15	—	—	—	—	—	—		
	MHM 5-05				—	—	—	31,5	—	—	—	—	—		
800	MH 3-08	1/1	2m	M5	12	19	26,5	40,5	54,5	—	—	—	—	16 16/2,8	—
	MHM 4-08		3m	M6	10	17	24	37	50,5	—	—	—	—	16 16/4	24 24/4
	MH 6-08		—	—	—	—	—	—	67,5	76,5	91,5	—	—	—	—
	MH 3-08	2/2	2m	M5	—	—	11	20,5	29,5	—	—	—	—	16 16/2,8	—
	MHM 4-08		3m	M6	—	—	10	19,5	29	—	—	—	—	16 16/4	24 24/4
	MH 6-08		—	—	—	—	—	—	39,5	46,5	56,5	—	—	—	—
	MH 3-04	2/1	3m	M6	6	9,5	13	20	27	—	—	—	—	8 8/2	12 12/2
	MHM 4-04		—	—	—	—	—	—	36	—	—	—	—	—	—
	MHM 5-04		—	—	—	—	—	—	40,5	51	—	—	—	—	—
	MH 3-04	4/2	3m	M6	—	—	—	10	14,5	—	—	—	—	8 8/2	12 12/2
	MHM 4-04		—	—	—	—	—	—	—	—	—	—	—	—	—
	MHM 5-04		—	—	—	—	—	—	—	—	—	—	—	—	—
1000	MHM 4-10	1/1	2m	M5	10	17	24	37	50,5	—	—	—	—	16 16/4	24 24/4
	MH 6-10		—	—	—	—	—	—	67,5	76,5	91,5	—	—	—	—
	MHM 4-10		—	—	—	—	—	—	—	—	—	—	—	—	—
	MH 6-10	2/2	2m	M5	—	—	10	19,5	29	—	—	—	—	16 16/4	24 24/4
	MH 3-05		—	—	6	9,5	13	20	27	—	—	—	—	—	—
	MHM 4-05		—	—	—	—	—	—	36	—	—	—	—	8 8/2	12 12/2
	MHM 5-05	2/1	2m	M5	—	—	—	—	40,5	51	—	—	—	—	—
	MH 3-05		—	—	—	—	—	—	—	—	—	—	—	—	—
1250	MHM 4-05		—	—	—	—	—	—	—	—	—	—	—	—	—
	MH 3-05	4/2	2m	M5	—	—	—	10	14,5	—	—	—	—	8 8/2	12 12/2
	MHM 4-05		—	—	—	—	—	—	—	—	—	—	—	—	—
	MHM 5-05		—	—	—	—	—	—	—	—	—	—	—	—	—
	MHM 5-12	1/1	3m	M6	9,5 (12)	16,5 (20)	22,5 (27)	34,5 (42)	46,5 (56,5)	59 (71)	—	—	—	16 16/4	24 24/4
	MH 6-12		—	—	—	—	—	—	55,5 (67,5)	63 (76,5)	75,5 (91,5)	—	—	—	—
	MHM 5-12		—	—	—	—	—	—	—	—	—	—	—	—	—
	MH 6-12	2/2	3m	M6	—	—	7	14,5	22	29	—	—	—	16 16/4	24 24/4

Table 1 - cont'd

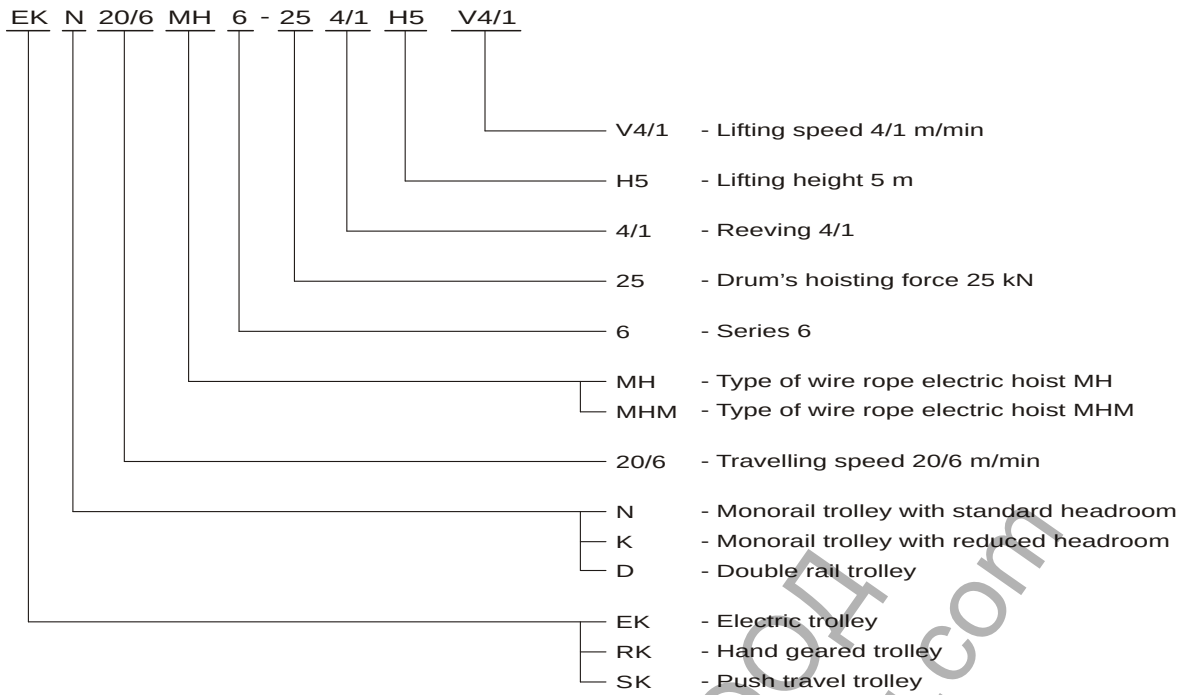
Capacity, kg	Type	REEVING	DIN 15020 FEM 9.511	ISO 4301	Size of drums									Lifting speed, m/min	
					01	02	03	04	05	06	07	08	09	V1 V1/M1	V2 V2/M2
					Lifting height H, m										
1600	MHM 4-16	1/1	2m	M5	10	17	24	37	50,5	—	—	—	—	16 16/2,8	—
	MHM 5-16				9,5 (12)	16,5 (20)	22,5 (27)	34,5 (42)	46,5 (56,5)	59 (71)	—	—	—	16 16/4	24 24/4
	MH 6-16				—	—	—	—	55,5 (67,5)	63 (76,5)	75,5 (91,5)	—	—	—	—
	MHM 4-16	2/2	2m	M5	—	—	10	19,5	29	—	—	—	—	16 16/2,8	—
	MHM 5-16				—	—	7	14,5	22	29	—	—	—	16 16/4	24 24/4
	MH 6-16				—	—	—	—	25,5	30,5	37,5	—	—	—	—
	MH 3-08	2/1	2m	M5	6	9,5	13	20	27	—	—	—	—	8 8/1,4	—
	MHM 4-08		3m	M6	5	8,5	12	18,5	25	—	—	—	—	8 8/2	12 12/2
	MH 6-08		3m	M6	—	—	—	—	33,5	38	45,5	—	—	—	—
	MH 3-08	4/2	2m	M5	—	—	—	10	14,5	—	—	—	—	8 8/1,4	—
	MHM 4-08		3m	M6	—	—	—	9,5	14,5	—	—	—	—	8 8/2	12 12/2
	MH 6-08		3m	M6	—	—	—	—	19,5	23	28,5	—	—	—	—
	MH 3-04	4/1	3m	M6	—	—	6,5	10	13,5	—	—	—	—	4 4/1	6 6/1
	MHM 4-04				—	—	—	—	18	—	—	—	—	—	—
2000	MH 6-20	1/1	3m	M6	—	14,5 (17)	20,5 (24)	33 (37,5)	45 (51,5)	51 (58,5)	61,5 (70,5)	—	—	16 16/4	24 24/4
	MH 7-20				—	—	—	—	—	66,5 (76,5)	80 (92)	—	—	—	—
	MH 6-20				—	—	—	11,5	19	22,5	29	—	—	16 16/4	24 24/4
	MH 7-20	2/2	3m	M6	—	—	—	—	—	31	39,5	—	—	—	—
	MHM 4-10				5	8,5	12	18,5	25	—	—	—	—	8 8/2	12 12/2
	MH 6-10				—	—	—	—	33,5	38	45,5	—	—	—	—
	MHM 4-10	4/2	2m	M5	—	—	—	9,5	14,5	—	—	—	—	8 8/2	12 12/2
	MH 6-10				—	—	—	—	19,5	23	28,5	—	—	—	—
	MH 3-05				—	—	6,5	10	13,5	—	—	—	—	—	—
	MHM 4-05	4/1	2m	M5	—	—	—	—	18	—	—	—	—	4 4/1	6 6/1
	MHM 5-05				—	—	—	—	20	25,5	—	—	—	—	—
2500	MHM 5-25	1/1	2m	M5	9,5	16,5	22,5	34,5	46,5	59	—	—	—	16 16/2,8	—
	MH 6-25				—	14,5 (17)	20,5 (24)	33 (37,5)	45 (51,5)	51 (58,5)	61,5 (70,5)	—	—	16 16/4	24 24/4
	MH 7-25				—	—	—	—	—	66,5 (76,5)	80 (92)	—	—	—	—
	MHM 5-25	2/2	2m	M5	—	—	7	14,5	22	29	—	—	—	16 16/2,8	—
	MH 6-25				—	—	—	11,5	19	22,5	29	—	—	16 16/4	24 24/4
	MH 7-25				—	—	—	—	—	31	39,5	—	—	—	—
	MHM 5-12	2/1	3m	M6	5 (6)	8 (10)	11 (13,5)	17 (21)	23 (28)	29,5 (35,5)	—	—	—	8 8/2	12 12/2
	MH 6-12				—	—	—	—	27,5 (33,5)	31,5 (38)	37,5 (45,5)	—	—	—	—
	MHM 5-12				—	—	—	7	11	14,5	—	—	—	8 8/2	12 12/2
	MH 6-12	4/2	3m	M6	—	—	—	—	12,5	15	18,5	—	—	—	—
	MH 6-12				—	—	—	—	—	—	—	—	—	—	—
3200	MH 6-32	1/1	2m	M5	—	14,5	20,5	33	45	51	61,5	—	—	16 16/2,8	—
	MH 7-32				—	15,5 (17,5)	24,5 (28)	33,5 (38,5)	45,5 (52,5)	57,5 (66)	69,5 (80)	81,5 (93,5)	94,5 (108,5)	16 16/4	24 24/4
	MH 6-32				—	—	—	11,5	19	22,5	29	—	—	16 16/2,8	—
	MH 7-32	2/2	2m	M5	—	—	—	10	16,5	24	30,5	—	—	16 16/4	24 24/4
	MHM 4-16				5	8,5	12	18,5	25	—	—	—	—	8 8/1,4	—
	MHM 5-16				5 (6)	8 (10)	11 (13,5)	17 (21)	23 (28)	29,5 (35,5)	—	—	—	8 8/2	12 12/2
	MH 6-16				—	—	—	—	27,5 (33,5)	31,5 (38)	37,5 (45,5)	—	—	—	—
	MHM 4-16	4/2	2m	M5	—	—	—	9,5	14,5	—	—	—	—	8 8/1,4	—
	MHM 5-16				—	—	—	7	11	14,5	—	—	—	8 8/2	12 12/2
	MH 6-16				—	—	—	—	12,5	15	18,5	—	—	—	—
	MH 3-08	4/1	2m	M5	—	—	6,5	10	13,5	—	—	—	—	4 4/0,7	—
	MHM 4-08		3m	M6	—	—	6	9	12,5	—	—	—	—	4 4/1	6 6/1
	MH 6-08				—	—	—	—	16,5	19	22,5	—	—	—	—

Table 1 - cont'd

Capacity, kg	Type	REEVING	DIN 15020 FEM 9.511	ISO 4301	Size of drums									Lifting speed, m/min	
					01	02	03	04	05	06	07	08	09	V1 V1/M1	V2 V2/M2
					Lifting height H, m										
4000	MH 7-40	1/1	1Am	M4	—	15,5 (17,5)	24,5 (28)	33,5 (38,5)	45,5 (52,5)	57,5 (66)	69,5 (80)	81,5 (93,5)	94,5 (108,5)	16 16/4	24 24/4
		2/2			—	—	—	10	16,5	24	30,5	—	—	—	—
	MH 6-20	2/1	3m	M6	—	7 (8,5)	10,5 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35)	—	—	8 8/2	12 12/2
	MH 7-20				—	—	—	—	—	33 (38)	40 (46)	—	—	—	—
	MH 6-20	4/2	3m	M6	—	—	—	—	9,5	11	14,5	—	—	8 8/2	12 12/2
	MH 7-20				—	—	—	—	—	15,5	19,5	—	—	—	—
	MHM 4-10	4/1	2m	M5	—	—	6	9	12,5	—	—	—	—	4 4/1	6 6/1
	MH 6-10				—	—	—	—	16,5	19	22,5	—	—	—	—
5000	MH 7-50	1/1	2m	M5	—	15,5 (17,5)	24,5 (28)	33,5 (38,5)	45,5 (52,5)	57,5 (66)	69,5 (80)	81,5 (93,5)	94,5 (108,5)	12,8 12,8/3,2	19,2 19,2/3,2
		2/2			—	—	—	10	16,5	24	30,5	—	—	—	—
	MHM 5-25	2/1	2m	M5	5	8	11	17	23	29,5	—	—	—	8 8/1,4	—
	MH 6-25				—	7 (8,5)	10,5 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35)	—	—	8 8/2	12 12/2
	MH 7-25	4/2	2m	M5	—	—	—	—	—	33 (38)	40 (46)	—	—	—	—
	MHM 5-25				—	—	—	7	11	14,5	—	—	—	8 8/1,4	—
	MH 6-25	4/1	3m	M6	—	—	—	—	9,5	11	14,5	—	—	8 8/2	12 12/2
	MH 7-25				—	—	—	—	—	15,5	19,5	—	—	—	—
6300	MH 7-63	1/1	1Am	M4	—	14 (15,5)	22 (25)	30,5 (34)	42 (46,5)	53,5 (59)	64,5 (71)	75,5 (83,5)	87,5 (96,5)	10,4 10,4/2,6	15,6 15,6/2,6
		2/2			—	—	—	10	17	24,5	31,5	—	—	—	—
	MH 6-32	2/1	2m	M5	—	7	10,5	16,5	22,5	25,5	30,5	—	—	8 8/1,4	—
	MH 7-32				—	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	29 (33)	34,5 (40)	40,5 (46,5)	47 (54)	8 8/2	12 12/2
	MH 6-32	4/2	2m	M5	—	—	—	—	9,5	11	14,5	—	—	8 8/1,4	—
	MH 7-32				—	—	—	5	8	12	15	—	—	8 8/2	12 12/2
	MH 4-16	4/1	2m	M5	—	—	6	9	12,5	—	—	—	—	4 4/0,7	—
	MHM 5-16				—	—	5,5 (6,5)	8,5 (10,5)	11,5 (14)	14,5 (17,5)	—	—	—	4 4/1	6 6/1
8000	MH 7-80	1/1	1Bm	M3	—	11,5	19	26,5	36,5	47	56,5	66,5	77	8,8 8,8/2,2	13,2 13,2/2,2
		2/2			—	—	—	10	17	24,5	31,5	38	46	—	—
	MH 7-40	2/1	1Am	M4	—	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	29 (33)	34,5 (40)	40,5 (46,5)	47 (54)	8 8/2	12 12/2
		4/2			—	—	—	5	8	12	15	—	—	—	—
	MH 6-20	4/1	3m	M6	—	—	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	—	—	4 4/1	6 6/1
10000	MH 7-50	2/1	2m	M5	—	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	29 (33)	34,5 (40)	40,5 (46,5)	47 (54)	6,4 6,4/1,6	9,6 9,6/1,6
		4/2			—	—	—	5	8	12	15	—	—	—	—
	MHM 5-25	4/1	2m	M5	—	—	5,5	8,5	11,5	14,5	—	—	—	4 4/0,7	—
	MH 6-25				—	—	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	—	—	4 4/1	6 6/1
12500	MH 7-63	2/1	1Am	M4	—	7 (7,5)	11 (12,5)	15 (17)	21 (23)	26,5 (29,5)	32 (35)	37,5 (41,5)	44 (48)	5,2 5,2/1,3	7,8 7,8/1,3
		4/2			—	—	—	5	8,5	12	15,5	—	—	—	—
	MH 6-32	4/1	2m	M5	—	—	5	8	11	12,5	15	—	—	4 4/0,7	—
					—	—	—	8 (9,5)	11 (13)	14,5 (16,5)	17,5 (20)	20 (23)	23,5 (27)	4 4/1	6 6/1
16000	MH 7-80	2/1	1Bm	M3	—	6	9,5	13	18,5	23,5	28	33	38,5	4,4 4,4/1,1	6,6 6,6/1,1
		4/2			—	—	—	5	8,5	12	15,5	19	23	—	—
20000	MH 7-40	4/1	1Am	M4	—	—	—	8 (9,5)	11 (13)	14,5 (16,5)	17,5 (19,5)	20 (23)	23,5 (27)	4 4/1	6 6/1
					—	—	—	8 (9,5)	11 (13)	14,5 (16,5)	17,5 (20)	20 (23)	23,5 (27)	3,2 3,2/0,8	4,8 4,8/0,8
25000	MH 7-63	4/1	1Am	M4	—	—	—	7,5 (8,5)	10,5 (11,5)	13 (14,5)	16 (17,5)	18,5 (20,5)	22 (24)	2,6 2,6/0,65	3,9 3,9/0,65
32000	MH 7-80	4/1	1Bm	M3	—	—	—	6,5	9	11,5	14	16,5	19	2,2 2,2/0,55	3,3 3,3/0,55

1) The data given in brackets are to be considered for wire ropes with high strength and smaller diameter.

Type designation



Please give the following data when placing order:

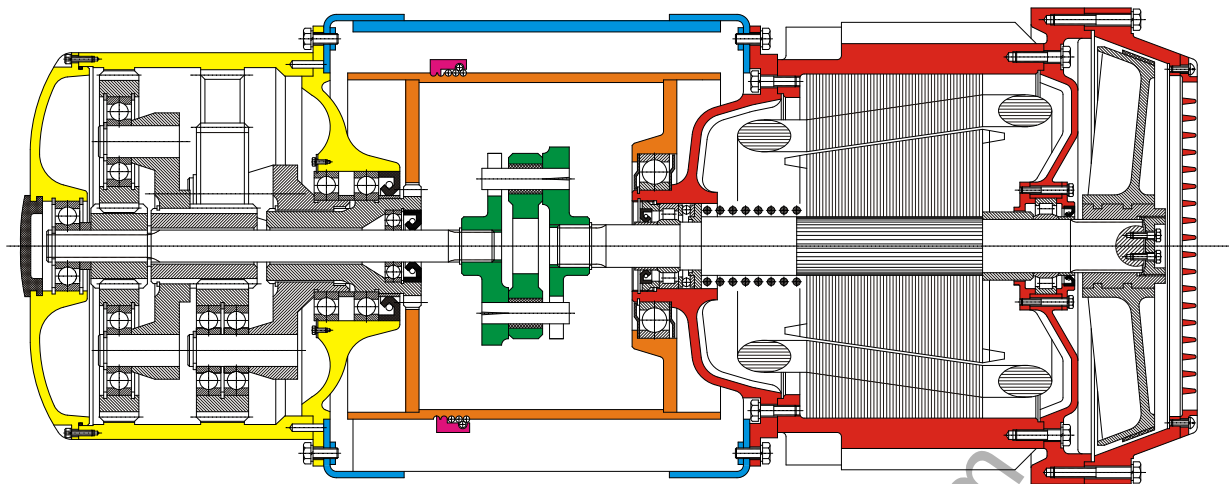
1. Power circuit	- voltage	-		V
	- frequency	-		Hz
2. Control circuit	- voltage	-		V
	- frequency	-		Hz
3. Required	- load limiter	-	yes	or no
	- emergency stop	-	yes	or no
	- thermal protection	-	yes	or no
	- latch-key	-	yes	or no
4. Climatic modification	- normal N-II	-	yes	or no
	- tropical T-II	-	yes	or no
	- marine execution	-	yes	or no
5. Monorail trolley	- travelling speed	-		m/min
	- rail width - b	-		mm
	- runway radius	-		m
6. Double rail trolley	- travelling speed	-		m/min
	- rail distance	-		mm
	- rail - b x h	-	x	mm x mm

Travelling speeds*

Trolley	Speed (m/min)						
	one speed			two speeds			
EK N	10	16	20	32	16/5	20/6	32/10
EK K	12	16	20	—	12/3	16/4	20/5
EK D	10	16	20	30	10/3	16/5	20/6

* Standard travelling speed - 20 m/min.

Description of the electric hoist



Hoisting motor

Electric motor with conical rotor and conical stator as well as asbestos free conical brake. Easy axial moving possibility of the rotor. Reliable brake activation from spiral spring impact in case of electric power breakdown. Creep speed of the motor. The wide range combinations of motors and gear units expand the range of available goods and lifting speeds.

Gear unit

Two-stage heliocentric gear unit assembled to opposite side of the motor. High quality materials are used. Suitable hardening and grinding of gear wheels teeth surfaces ensures their long life, noiseless operation and high coefficient of gear unit's efficiency.

Drum

Equipped with helical grooves for the wire rope and efficacious rope guide, which ensures reliable arrangement of the rope in drum's grooves. The front motor flange by means of ball bearing supports one of the drum's diaphragms. The torque from the gear unit to the second drum's diaphragm is transmitted through grooved hollow shaft.

Rope guide

New made construction. No special tools are required for the replacement of the rope guide. Ensures precise rope winding and unwinding. Possibility for rope deviation $\pm 4^\circ$. Actuates the end limit switch in upper and bottom position of the hook.

Block-hook

The block hook and the purchase block are entirely new constructions, corresponding to the modern technical safety requirements. Ensures easy operation with minimum dead weight. Protection against the rope getting out of the rope rolls is also ensured.

Body

The body is completely new construction in box form. Represents a robust welded construction as a flange connection between the motor and gear unit. Wire rope's outlet in all possible radial directions permits the realization of different assembly versions and positions.

Rubber packed coupler

This is flexible coupler as a joint unit between the hoisting motor and gear unit. The coupler works as a shock - absorber and ensures resistance free motor's shaft axial replacement. Sure connection between the motor and the gear unit is warranted.

Trolleys

Three types of trolleys are available: monorail trolley with standard headroom (N), monorail trolley with reduced headroom (K) and double rail trolley (D).

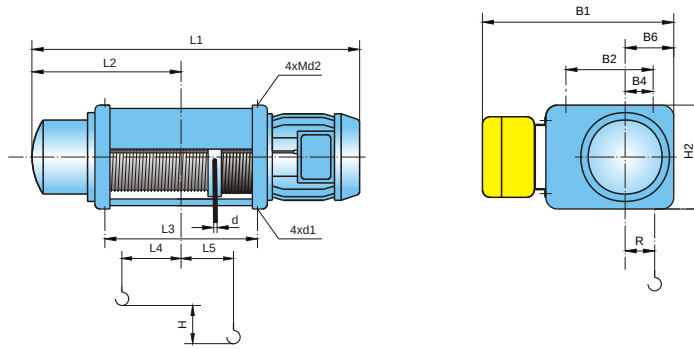
The hoist is hanged up or mounted to the trolley in the best position, ensuring optimum load distribution on the travel wheels. The trolley could be also electric (EK), hand geared (RK) or push travel (SK). Drive unit the same type as a main unit of the hoist powers the electric trolley. Normal drive unit with electromagnetic brake is available. The traveling speeds are in very wide range. Stage less fitness in accordance with the width of the monorail traveling track is submitted to correct work of the trolleys. In case of double rail trolley the purchaser gives the rail's distance.

Electric equipment

Power circuit voltage and frequency are at purchaser's request. Control voltage to relays and contactors is 24 or 42V, frequency 50 and 60Hz.

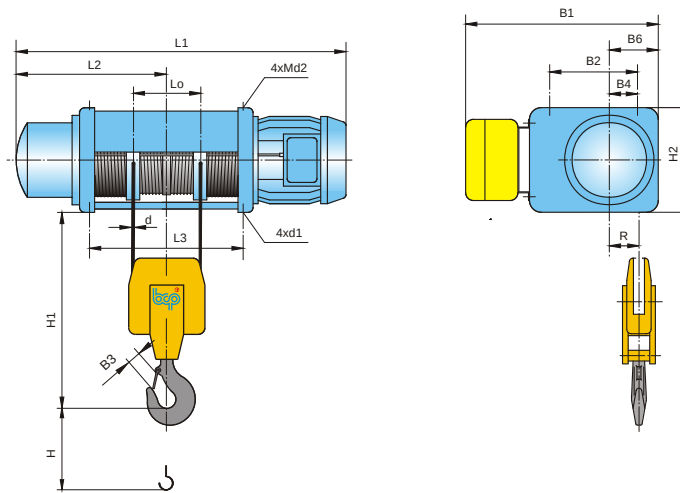
The most part of electric equipment is assembled in command box, fastened to the body or to other appropriate part. Terminal box of the motor holds end limit switch.

Stationary electric wire rope hoist - Reeving 1/1



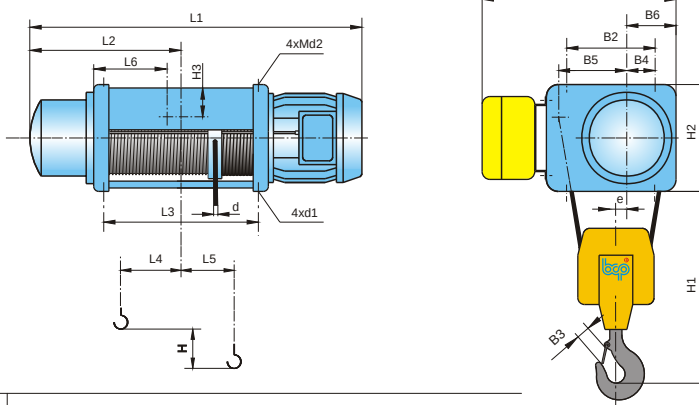
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																	
				L1				L2	L3	L4	L5	B1	B2	B4	B6	H2	R	d	d1	d2	
				V1	V1/M1	V2	V2/M2														
MH 3-05	12	01	500	720	760	720	760	320	224	93	77										
	19	02		825	865	825	865	370	329	145	130										
	26,5	03		925	965	925	965	420	429	195	180	580	295	105	159	321	90	7	15	M14	
	40,5	04		1125	1165	1125	1165	520	629	295	280										
	54,5	05		1325	1365	1325	1365	620	829	395	380										
MHM 4-05	72,5	05		1425	1495	1425	1495	670	841	393	377	650	325	127,5	184	366	120,5	7	17	M20	
MHM 5-05	81	05		1530	1615	1560	1615	715	931	438	422										
	102	06		1750	1835	1780	1835	825	1151	548	532	650	325	127,5	184	366	120,5	7	17	M20	
MH 3-08	12	01	800	720	760	-	-	320	224	93	77										
	19	02		825	865	-	-	370	329	145	130										
	26,5	03		925	965	-	-	420	429	195	180	580	295	105	159	321	90	7	15	M14	
	40,5	04		1125	1165	-	-	520	629	295	280										
	54,5	05		1325	1365	-	-	620	829	395	380										
MHM 4-10	10	01	1000	815	885	815	885	365	231	89	61										
	17	02		925	995	925	995	420	341	144	116										
	24	03		1025	1095	1025	1095	470	441	194	166	650	325	127,5	184	366	122	10	17	M20	
	37	04		1225	1295	1225	1295	570	641	294	266										
	50,5	05		1425	1495	1425	1495	670	841	394	366										
MH 6-10	67,5	05		1540	1630	1575	1630	715	873	403	382										
	76,5	06		1645	1735	1680	1735	770	978	456	434	760	390	157	220	432	157,5	10	21	M24	
	91,5	07		1820	1910	1855	1910	860	1153	543	522										
MHM 4-16	10	01	1600	815	885	-	-	365	231	89	61										
	17	02		925	995	-	-	420	341	144	116										
	24	03		1025	1095	-	-	470	441	194	166	650	325	127,5	184	366	122	10	17	M20	
	37	04		1225	1295	-	-	570	641	294	266										
	50,5	05		1425	1495	-	-	670	841	394	366										
MHM 5-16	9,5	01	1600	860	945	890	945	380	261	102	76										
	16,5	02		980	1065	1010	1065	440	381	164	136										
	22,5	03		1090	1175	1120	1175	495	491	219	191	650	325	127,5	184	366	123 (122)	12 (10)	17	M20	
	34,5	04		1310	1395	1340	1395	605	711	329	301										
	46,5	05		1530	1615	1560	1615	715	931	439	411										
MH 6-16	59	06		1750	1835	1780	1835	825	1151	549	521										
	55,5	05		1540	1630	1575	1630	715	873	403	382						158,5 (157,5)	12 (10)	21	M24	
	63	06		1645	1735	1680	1735	770	978	456	434	760	390	157	220	432					
	75,5	07		1820	1910	1855	1910	860	1153	543	522										
MHM 5-25	9,5	01	2500	890	945	-	-	380	261	102	76										
	16,5	02		1010	1065	-	-	440	381	164	136										
	22,5	03		1120	1175	-	-	495	491	219	191	650	325	127,5	184	366	123	12	21	M24	
	34,5	04		1340	1395	-	-	605	711	329	301										
	46,5	05		1560	1615	-	-	715	931	439	411										
MH 6-25	59	06		1780	1835	-	-	825	1151	549	521										
	14,5	02		1015	1105	1050	1105	445	348	146	109										
	20,5	03		1120	1210	1155	1210	505	453	198	162										
	33	04		1330	1420	1365	1420	610	663	303	267	760	390	157	220	432	160 (159)	15 (13)	21	M24	
	45	05		1540	1630	1575	1630	715	873	407	372										
MH 7-25	51	06		1645	1735	1680	1735	770	978	461	424										
	61,5	07		1820	1910	1855	1910	860	1153	548	512										
	66,5	06		1890	1925	-	-	890	1143	531	499	900	475	186,5	270	530	178,5 (177,5)	15 (13)	25	M27	
	80	07		2100	2135	-	-	995	1353	636	604										
MH 6-32	14,5	02	3200	1050	1105	-	-	445	348	146	109										
	20,5	03		1155	1210	-	-	505	453	198	162										
	33	04		1365	1420	-	-	610	663	303	267	760	390	157	220	432	160	15	25	M27	
	45	05		1575	1630	-	-	715	873	407	372										
	51	06		1680	1735	-	-	770	978	461	424										
MH 7-40	61,5	07		1855	1910	-	-	860	1153	548	512										
	15,5	02	4000	1140	1175	-	-	515	393	158	117										
	24,5	03		1300	1335	-	-	595	553	238	197										
	33,5	04		1460	1495	-	-	675	713	318	277	900	475	186,5	270	530	180 (178,5)	18 (15)	25	M27	
	45,5	05		1675	1710	-	-	785	928	426	384										
MH 7-50	57,5	06		1890	1925	-	-	890	1143	533	492										
	69,5	07		2100	2135	-	-	995	1353	638	597										
	15,5	02	5000	1200	1230	-	-	570	393	158	117										
	24,5	03		1360	1390	-	-	650	553	238	197										
	33,5	04		1520	1550	-	-	730	713	318	277	900	475	186,5	277	558	180 (178,5)	18 (15)	31	-	
	45,5	05		1735	1765	-	-	840	928	426	384										
	57,5	06		1950	1980	-	-	945	1143	533	492										
MH 7-63	69,5	07		2160	2190	-	-	1050	1353	638	597										
	14	02	6300	1200	1230	-	-	570	393	158	117										
	22	03		1360	1390	-	-	650	553	238	197										
	30,5	04		1520	1550	-	-	730	713	318	277	900	475	186,5	277	558	185 (184)	20 (18)	31	-	
42	05	1735		1765	-	-	840	928	426	384											
MH 7-80	53,5	06		1950	1980	-	-	945	1143	533	492										
	64,5	07		2160	2190	-	-	1050	1353	638	597										
	11,5	02	8000	1200	1230	-	-	570	393	158	117										
	19	03		1360	1390	-	-	650	553	238	197										
	26,5	04		1520	1550	-	-	730	713	318	277	900	475	186,5	277	558	186	22	31	-	
	36,5	05		1735	1765	-	-	837,5	928	426	384	900	475	186,5	277	558					
	47	06		1950	1980	-	-	945	1143	533	492										
56,5	07	2160		2190	-	-	1050	1353	638	597											
66,5	08	2370	2400	-	-	1155	1563	743	702												
	77	09		2600	2630	-	-	1270	1793	854	817										

Stationary electric wire rope hoist - Reeving 2/2



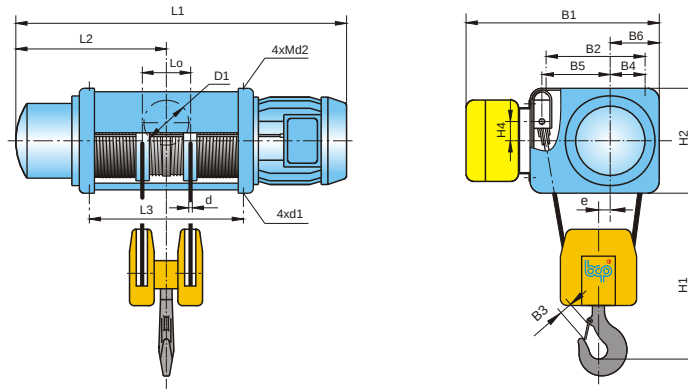
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																	
				L1				L2	L3	Lo min	B1	B2	B3	B4	B6	H1	H2	R	d	d1	d2
				V1	V1/M1	V2	V2/M2														
MH 3-05	11	03	500	925	965	925	965	420	429	110	580	295	34	105	159	450	321	89	5	15	M14
	20,5	04		1125	1165	1125	1165	520	629												
	29,5	05		1325	1365	1325	1365	620	829												
MHM 4-05	15	03	500	1025	1095	1025	1095	470	441	110	650	325	34	127,5	184	450	366	119,5	5	17	M20
MHM 5-05	31,5	04		1310	1395	1340	1395	605	711	110	650	325	34	127,5	184	450	366	119,5	5	17	M20
MH 3-08	11	03	800	925	965	-	-	420	429	110	580	295	34	105	159	450	321	89	5	15	M14
	20,5	04		1125	1165	-	-	520	629												
	29,5	05		1325	1365	-	-	620	829												
MHM 4-10	10	03	1000	1025	1095	1025	1095	470	441	110	650	325	34	127,5	184	450	366	120,5	7	17	M20
	19,5	04		1225	1295	1225	1295	570	641												
	29	05		1425	1495	1425	1495	670	841												
MH 6-10	39,5	05	1000	1540	1630	1575	1630	715	873	110	760	390	34	157	220	450	432	156	7	21	M24
	46,5	06		1645	1735	1680	1735	770	978												
	56,5	07		1820	1910	1855	1910	860	1153												
MHM 4-16	10	03	1600	1025	1095	-	-	470	441	110	650	325	40	127,5	184	550	366	120,5	7	17	M20
	19,5	04		1225	1295	-	-	570	641												
	29	05		1425	1495	-	-	670	841												
MHM 5-16	7	03	1600	1090	1175	1120	1175	495	491	155	650	325	40	127,5	184	550	366	122	10	17	M20
	14,5	04		1310	1395	1340	1395	605	711												
	22	05		1530	1615	1560	1615	715	931												
MH 6-16	29	06	1600	1750	1835	1780	1835	825	1151	155	650	325	40	127,5	184	550	366	122	10	17	M20
	25,5	05		1540	1630	1575	1630	715	873												
	30,5	06		1645	1735	1680	1735	770	978												
MH 6-16	37,5	07	1600	1820	1910	1855	1910	860	1153	155	650	325	40	127,5	184	550	366	122	10	17	M20
	7	03		1120	1175	-	-	495	491	155	650	325	45	127,5	184	620	366	122	10	21	M24
	14,5	04		1340	1395	-	-	605	711												
MHM 5-25	22	05	2500	1560	1615	-	-	715	931	155	650	325	45	127,5	184	620	366	122	10	21	M24
	29	06		1780	1835	-	-	825	1151												
	MH 6-25	11,5		04	2500	1330	1420	1365	1420	610	663	200	760	390	45	157	220	620	432	158,5	12
19		05	1540	1630		1575	1630	715	873												
22,5		06	1645	1735		1680	1735	770	978												
MH 7-25	29	07	2500	1820	1910	1855	1910	860	1153	200	760	390	45	157	220	620	432	158,5	12	25	M27
	31	06		1890	1925	-	-	890	1143												
	39,5	07		2100	2135	-	-	995	1353												
MH 6-32	11,5	04	3200	1365	1420	-	-	610	663	200	760	390	45	157	220	620	432	158,5	12	25	M27
	19	05		1575	1630	-	-	715	873												
	22,5	06		1680	1735	-	-	770	978												
MH 7-40	29	07	4000	1855	1910	-	-	860	1153	240	900	475	50	186,5	270	710	530	178,5	15	25	M27
	10	04		1460	1495	-	-	675	713												
	16,5	05		1675	1710	-	-	785	928												
MH 7-50	24	06	5000	1890	1925	-	-	890	1143	240	900	475	50	186,5	277	710	558	178,5	15	31	-
	30,5	07		2100	2135	-	-	995	1353												
	MH 7-63	10		04	6300	1520	1550	-	-	730	713	240	900	475	50	186,5	277	710	558	178,5	15
17		05	1735	1765		-	-	840	928												
24,5		06	1950	1980		-	-	945	1143												
MH 7-80	31,5	07	8000	2160	2190	-	-	1050	1353	240	900	475	50	186,5	277	710	558	178,5	15	31	-
	10	04		1520	1550	-	-	730	713												
	17	05		1735	1765	-	-	840	928												
	24,5	06		1950	1980	-	-	945	1143												
MH 7-80	31,5	07	8000	2160	2190	-	-	1050	1353	240	900	475	50	186,5	277	710	558	178,5	15	31	-
	38	08		2370	2400	-	-	1155	1563												
	46	09		2600	2630	-	-	1270	1793												

Stationary electric wire rope hoist - Reeving 2/1



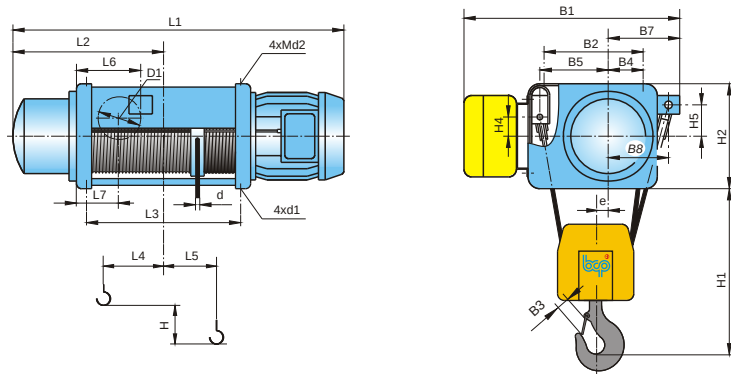
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																									
				L1				L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	d	d1	d2	e				
				V1	V1/M1	V2	V2/M2																						
MH 3-05	6	01	1000	720	760	720	760	320	224	45	40	145	580	295	34	105	190,5	159	450	321	73	7	15	M14	50				
	9,5	02		825	865	825	865	370	329	95		90		245	240	650	325	34	127,5	199	184	450	366	90	7	17	M20	35	
	13	03		925	965	925	965	420	429	95																			
	20	04		1125	1165	1125	1165	520	629	195																			
MHM 4-05	27	05	1000	1325	1365	1325	1365	620	829	295	74	240	650	325	34	127,5	199	184	450	366	90	7	17	M20	35				
	36	05		1425	1495	1425	1495	670	841	307																			
MHM 5-05	40,5	05	1000	1530	1615	1560	1615	715	931	345	79	240	650	325	34	127,5	199	184	450	366	90	7	17	M20	35				
	51	06		1750	1835	1780	1835	825	1151	455																			
MH 3-08	6	01	1600	720	760	-	-	320	224	45	40	145	580	295	40	105	190,5	159	550	321	73	7	15	M14	50				
	9,5	02		825	865	-	-	370	329	95		90		245	240	650	295	40	105	190,5	159	550	321	73	7	15	M14	50	
	13	03		925	965	-	-	420	429	95																			
	20	04		1125	1165	-	-	520	629	195																			
MHM 4-10	27	05	2000	1325	1365	-	-	620	829	295	74	240	650	325	40	105	190,5	159	550	321	73	7	15	M14	50				
	36	05		1425	1495	-	-	670	841	307		79		240	650	325	40	105	190,5	159	550	321	73	7	15	M14	50		
	40,5	05		1530	1615	-	-	715	931	345																			
	51	06		1750	1835	-	-	825	1151	455																			
MH 6-10	5	01	3200	815	885	815	885	365	231	52	27	140	650	325	40	127,5	199	184	550	366	96	10	17	M20	35				
	8,5	02		925	995	925	995	420	341	107		74		240	650	325	40	127,5	199	184	550	366	96	10	17	M20	35		
	12	03		1025	1095	1025	1095	470	441	107				79		250	650	325	40	127,5	199	184	550	366	96	10	17	M20	35
	18,5	04		1225	1295	1225	1295	570	641	207																			
MHM 4-16	25	05	3200	1425	1495	1425	1495	670	841	307	73	250	760	390	40	157	235	220	550	432	116	10	21	M24	38				
	33,5	05		1540	1630	1575	1630	715	873	316		79		250	760	390	45	157	235	220	550	432	116	10	21	M24	38		
	38	06		1645	1735	1680	1735	770	978	367				74		240	650	325	45	157	235	220	550	432	116	10	21	M24	38
	45,5	07		1820	1910	1855	1910	860	1153	455																			
MHM 5-16	5	01	3200	860	945	890	945	380	261	60	29	150	650	325	45	127,5	199	184	620	366	86	12 (10)	17	M20	35				
	8	02		980	1065	1010	1065	440	381	120		79		250	650	325	45	127,5	199	184	620	366	86	12 (10)	17	M20	35		
	11	03		1090	1175	1120	1175	495	491	125				74		240	650	325	45	127,5	199	184	620	366	86	12 (10)	17	M20	35
	17	04		1310	1395	1340	1395	605	711	235																			
MH 6-16	23	05	5000	1530	1615	1560	1615	715	931	345	73	254	760	390	50	157	235	220	710	432	110	15 (13)	21	M24	38				
	29,5	06		1750	1835	1780	1835	825	1151	455		104		340	900	475	50	186,5	290,5	270	710	530	162	15 (13)	25	M27	55		
	27,5	05		1540	1630	1575	1630	715	873	316				79		250	650	325	50	157	235	220	710	432	110	15 (13)	21	M24	38
	31,5	06		1645	1735	1680	1735	770	978	367																			
MHM 5-25	37,5	07	5000	1820	1910	1855	1910	860	1153	455	23	154	650	325	50	127,5	199	184	710	366	86	12	21	M24	35				
	5	01		890	945	-	-	380	261	60		79		250	650	325	50	127,5	199	184	710	366	86	12	21	M24	35		
	8	02		1010	1065	-	-	440	381	120				74		240	650	325	50	127,5	199	184	710	366	86	12	21	M24	35
	11	03		1120	1175	-	-	495	491	125																			
MH 6-25	17	04	5000	1340	1395	-	-	605	711	235	23	154	760	390	50	157	235	220	710	432	110	15 (13)	21	M24	38				
	23	05		1560	1615	-	-	715	931	345		73		254	760	390	50	157	235	220	710	432	110	15 (13)	21	M24	38		
	29,5	06		1780	1835	-	-	825	1151	455				74		240	650	325	50	157	235	220	710	432	110	15 (13)	21	M24	38
	7	02		1015	1105	1050	1105	445	348	104																			
MH 7-25	10,5	03	5000	1120	1210	1155	1210	505	453	106	73	254	760	390	56	157	235	220	840	432	110	15	25	M27	38				
	16,5	04		1330	1420	1365	1420	610	663	211		104		340	900	475	56	186,5	290,5	270	840	530	157	18 (15)	25	M27	55		
	22,5	05		1540	1630	1575	1630	715	873	316				74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38
	25,5	06		1645	1735	1680	1735	770	978	367																			
MH 6-32	30,5	07	6300	1820	1910	1855	1910	860	1153	455	104	340	900	475	50	186,5	290,5	270	710	530	162	15 (13)	25	M27	55				
	33	06		1890	1925	-	-	890	1143	408		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	40	07		2100	2135	-	-	995	1353	512				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38
	7	02		1050	1105	-	-	445	348	104																			
MH 7-40	10,5	03	8000	1155	1210	-	-	505	453	106	73	254	760	390	56	157	235	220	840	432	110	15	25	M27	38				
	16,5	04		1365	1420	-	-	610	663	211		104		340	900	475	56	186,5	290,5	270	840	530	157	18 (15)	25	M27	55		
	22,5	05		1575	1630	-	-	715	873	316				74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38
	25,5	06		1680	1735	-	-	770	978	367																			
MH 7-50	30,5	07	10000	1855	1910	-	-	860	1153	455	54	240	900	475	56	186,5	290,5	270	840	530	157	18 (15)	25	M27	55				
	7,5	02		1140	1175	-	-	515	393	82		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	12	03		1300	1335	-	-	595	553	162				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38
	16,5	04		1460	1495	-	-	675	713	192																			
MH 7-63	22,5	05	12500	1675	1710	-	-	785	928	300	104	340	900	475	56	186,5	290,5	277	965	558	157	20 (18)	31	-	55				
	29	06		1890	1925	-	-	890	1143	408		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	34,5	07		2100	2135	-	-	995	1353	512				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38
	7,5	02		1200	1230	-	-	570	393	82																			
MH 7-80	12	03	16000	1360	1390	-	-	650	553	162	54	240	900	475	56	186,5	290,5	277	965	558	157	20 (18)	31	-	55				
	16,5	04		1520	1550	-	-	730	713	192		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	22,5	05		1735	1765	-	-	840	928	300				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38
	29	06		1950	1980	-	-	945	1143	408																			
MH 7-80	34,5	07	16000	2160	2190	-	-	1050	1353	512	104	340	900	475	56	186,5	290,5	277	965	558	157	20 (18)	31	-	55				
	7	02		1200	1230	-	-	570	393	82		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	11	03		1360	1390	-	-	650	553	162				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38
	15	04		1520	1550	-	-	730	713	192																			
MH 7-80	21	05	12500	1735	1765	-	-	840	928	300	104	340	900	475	56	186,5	290,5	277	965	558	157	20 (18)	31	-	55				
	26,5	06		1950	1980	-	-	945	1143	408		74		240	650	325	56	157	235	220	840	432	110	15	25	M27	38		
	32	07		2160	2190	-	-	1050	1353	512				79		250	650	325	56	157	235	220	840	432	110	15	25	M27	38

Stationary electric wire rope hoist - Reeving 4/2



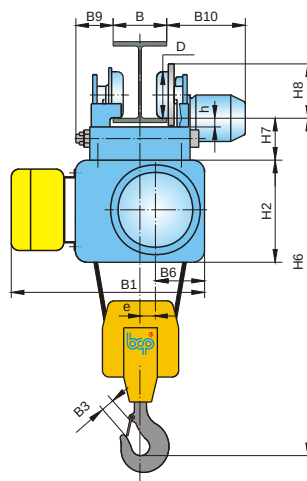
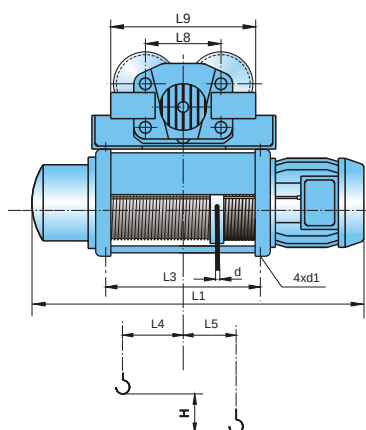
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																				
				L1				L2	L3	Lo min	B1	B2	B3	B4	B5	B6	H1	H2	H4	D1	d	d1	d2	e
				V1	V1/M1	V2	V2/M2																	
MH 3-05	10	04	1000	1125	1165	1125	1165	520	629	110	650	295	40	105	190,5	159	415	321	75	100	5	15	M14	50
	14,5	05		1325	1365	1325	1365	620	829															
MHM 4-05	7,5	03		1025	1095	1025	1095	470	441	110	730	325	40	127,5	199	184	415	366	91	100	5	17	M20	35
MHM 5-05	15,5	04	1310	1395	1340	1395	605	711																
MH 3-08	10	04	1600	1125	1165	-	-	520	629	110	650	295	40	105	190,5	159	415	321	75	100	5	15	M14	50
	14,5	05		1325	1365	-	-	620	829															
MHM 4-10	9,5	04	2000	1225	1295	1225	1295	570	641	110	730	325	40	127,5	199	184	415	366	91	140	7	17	M20	35
	14,5	05		1425	1495	1425	1495	670	841															
MH 6-10	19,5	05		1540	1630	1575	1630	715	873	110	850	390	40	157	235	220	415	432	117	140	7	21	M24	38
	23	06		1645	1735	1680	1735	770	978															
	28,5	07		1820	1910	1855	1910	860	1153	110	730	325	45	127,5	199	184	445	366	91	140	7	17	M20	35
	14,5	05		1425	1495	-	-	670	841															
MHM 4-16	9,5	04		1225	1295	-	-	570	641	110	730	325	45	127,5	199	184	445	366	91	140	7	17	M20	35
	14,5	05		1425	1495	-	-	670	841															
	7	04		1310	1395	1340	1395	605	711	155	730	325	45	127,5	199	184	445	366	101	200	10	17	M20	35
	11	05		1530	1615	1560	1615	715	931															
MHM 5-16	14,5	06		1750	1835	1780	1835	825	1151	155	730	325	45	127,5	199	184	445	366	101	200	10	17	M20	35
	12,5	05		1540	1630	1575	1630	715	873															
MH 6-16	15	06		1645	1735	1680	1735	770	978	155	850	390	45	157	235	220	445	432	117	220	10	21	M24	38
	18,5	07		1820	1910	1855	1910	860	1153															
	7	04		1340	1395	-	-	605	711	155	730	325	50	127,5	199	184	525	366	101	200	10	21	M24	35
	11	05		1560	1615	-	-	715	931															
	14,5	06		1780	1835	-	-	825	1151	200	850	390	50	157	235	220	525	432	117	240	12	21	M24	38
	9,5	05		1540	1630	1575	1630	715	873															
MH 6-25	11	06		1645	1735	1680	1735	770	978	200	850	390	50	157	235	220	525	432	117	240	12	21	M24	38
	14,5	07		1820	1910	1855	1910	860	1153															
MH 7-25	15,5	06		1890	1925	-	-	890	1143	200	1000	475	50	186,5	290,5	270	525	530	128	240	12	25	M27	55
	19,5	07		2100	2135	-	-	995	1353															
	9,5	05		1575	1630	-	-	715	873	200	850	390	56	157	235	220	565	432	117	240	12	25	M27	38
	11	06		1680	1735	-	-	770	978															
	14,5	07		1855	1910	-	-	860	1153															
	5	04		1460	1495	-	-	675	713	240	1000	475	56	186,5	290,5	270	565	530	128	300	15	25	M27	55
	8	05		1675	1710	-	-	785	928															
MH 7-40	12	06		1890	1925	-	-	890	1143	240	1000	475	56	186,5	290,5	270	565	530	128	300	15	25	M27	55
	15	07		2100	2135	-	-	995	1353															
	5	04		1520	1550	-	-	730	713	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	8	05		1735	1765	-	-	840	928															
MH 7-50	12	06		1950	1980	-	-	945	1143	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	15	07		2160	2190	-	-	1050	1353															
	5	04		1520	1550	-	-	730	713	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	8,5	05		1735	1765	-	-	840	928															
MH 7-63	12	06		1950	1980	-	-	945	1143	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	15,5	07		2160	2190	-	-	1050	1353															
	5	04		1520	1550	-	-	730	713	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	8,5	05		1735	1765	-	-	840	928															
MH 7-80	12	06		1950	1980	-	-	945	1143	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	15,5	07		2160	2190	-	-	1050	1353															
	19	08		2370	2400	-	-	1155	1563	240	1000	475	71	186,5	290,5	277	695	558	128	300	15	31	-	55
	23	09		2600	2630	-	-	1270	1793															

Stationary electric wire rope hoist - Reeving 4/1



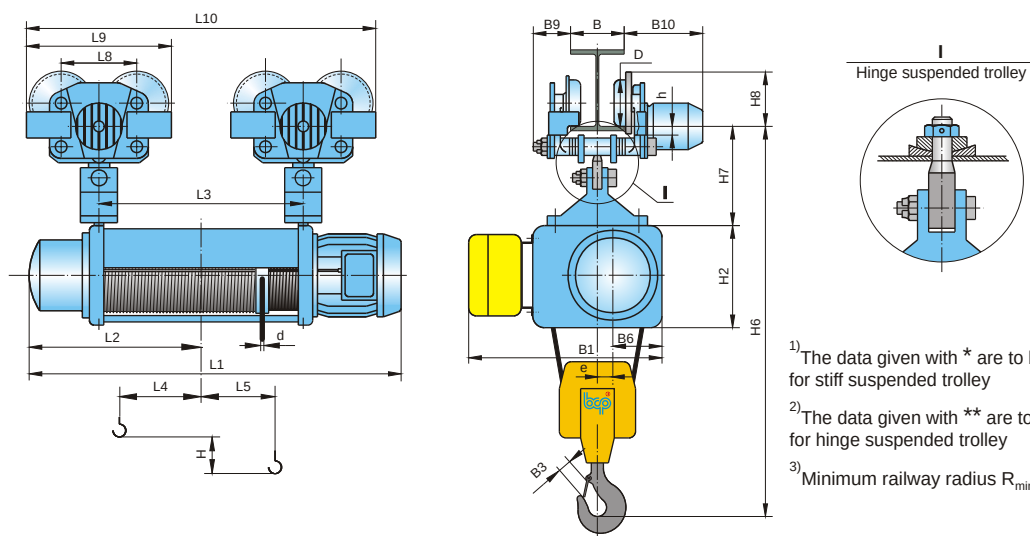
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																											
				L1				L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B7	B8	H1	H2	H4	H5	D1	d	d1	d2	e		
				V1	V1/M1	V2	V2/M2																								
MH 3-05	6.5	03	2000	925	965	925	965	420	429	90	45	250	161	650	295	40	105	190.5	229.5	189.5	415	321	71	75	140	7	15	M14	25		
	10	04		1125	1165	1125	1165	520	629	190	-45																				
	13.5	05		1325	1365	1325	1365	620	829	290	-95																				
MHM 5-05	18	05	2000	1425	1495	1425	1495	670	841	307	-115	300	194	730	325	40	127.5	199	254	206	415	366	85	91	200	7	17	M20	15		
	20	05		1530	1615	1560	1615	715	931	345	-130																				
	25.5	06		1750	1835	1780	1835	825	1151	455	-185																				
MH 3-08	6.5	03	3200	925	965	-	-	420	429	90	45	250	161	650	295	45	105	190.5	229.5	189.5	445	321	71	75	140	7	15	M14	25		
	10	04		1125	1165	-	-	520	629	190	-45																				
	13.5	05		1325	1365	-	-	620	829	290	-95																				
MHM 4-10	6	03	4000	1025	1095	1025	1095	470	441	65	25	300	194	730	325	50	127.5	199	254	206	525	366	85	91	200	10	17	M20	15		
	9	04		1225	1295	1225	1295	570	641	165	-25																				
	12.5	05		1425	1495	1425	1495	670	841	265	-75																				
MH 6-10	16.5	05	4000	1540	1630	1575	1630	715	873	316	-120	400	232	850	390	50	157	235	309	254	525	432	109	117	293	10	21	M24	14		
	19	06		1645	1735	1680	1735	770	978	367	-145																				
	22.5	07		1820	1910	1855	1910	860	1153	455	-190																				
MHM 4-16	6	03	6300	1025	1095	-	-	470	441	65	25	300	194	730	325	56	127.5	199	254	206	565	366	85	91	200	10	17	M20	15		
	9	04		1225	1295	-	-	570	641	165	-25																				
	12.5	05		1425	1495	-	-	670	841	265	-75																				
MHM 5-16	5.5	03	6300	1090	1175	1120	1175	495	491	67	35	350	216	730	325	56	127.5	199	254	206	565	366	85	101	240	12	21	M20	15		
	8	04		1310	1395	1340	1395	605	711	177	-20																				
	11.5	05		1530	1615	1560	1615	715	931	287	-70																				
MH 6-16	14.5	06	6300	1645	1735	1780	1835	825	1151	397	-125	400	232	850	390	56	157	235	309	254	565	432	109	117	293	10	21	M24	14		
	15.5	06		1750	1735	1680	1735	770	978	367	-145																				
	18.5	07		1820	1910	1855	1910	860	1153	455	-190																				
MHM 5-25	5.5	03	10000	1120	1175	-	-	495	491	67	35	350	216	730	325	71	127.5	199	254	206	695	366	85	101	240	12	21	M24	15		
	8.5	04		1340	1395	-	-	605	711	177	-20																				
	11.5	05		1560	1615	-	-	715	931	287	-70																				
MH 6-25	14.5	06	10000	1780	1835	-	-	825	1151	397	-125	400	232	850	390	71	157	235	309	254	695	432	109	117	293	15	21	M24	14		
	15	06		1120	1210	1155	1210	505	453	29	61																				
	18	07		1330	1420	1365	1420	610	663	134	8																				
MH 6-25	8	04	10000	1540	1630	1575	1630	715	873	239	-44	400	232	850	390	71	157	235	309	254	695	432	109	117	293	15	21	M24	14		
	11	05		1645	1735	1680	1735	770	978	291	-71																				
	12.5	06		1820	1910	1855	1910	860	1153	291	-71																				
MH 7-25	15	07	10000	1880	1925	-	-	890	1143	408	-150	500	324	1000	475	71	186.5	290.5	369	309	695	530	126	128	360	15	25	M27	23		
	16.5	06		2100	2135	-	-	995	1353	512	-202																				
	20	07																													
MH 6-32	5	03	12500	1155	1210	-	-	505	453	29	61	400	232	850	390	71	157	235	309	254	695	432	109	117	293	15	25	M27	14		
	8	04		1365	1420	-	-	610	663	134	8																				
	11	05		1575	1630	-	-	715	873	239	-44																				
MH 740	12.5	06	16000	1680	1735	-	-	770	978	291	-71	500	324	1000	475	71	186.5	290.5	369	309	775	530	126	128	360	18	25	M27	23		
	15	07		1855	1910	-	-	860	1153	291	-71																				
	17.5	07		1460	1495	-	-	675	713	102	46																				
MH 750	8	04	20000	1675	1710	-	-	785	928	210	-8	500	324	1000	475	71	186.5	301.5	380	320	775	530	126	128	360	18	25	M27	23		
	11	05		1890	1925	-	-	890	1143	318	-62																				
	14.5	06		2100	2135	-	-	995	1353	422	-114																				
MH 7-63	8	04	25000	1520	1550	-	-	730	713	102	46	500	324	1000	475	90	186.5	301.5	380	320	825	558	128	128	362	20	31	-	23		
	11	05		1735	1765	-	-	840	928	210	-8																				
	13	06		1950	1980	-	-	945	1143	318	-62																				
MH 7-80	15	07	32000	2160	2190	-	-	1050	1353	422	-114	500	324	1000	475	90	186.5	301.5	380	320	825	558	128	128	364	22	31	-	23		
	17.5	07		1520	1550	-	-	730	713	102	46																				
	19	09		1735	1765	-	-	837.5	928	210	-8																				

Monorail trolley, standard headroom - Reeving 2/1

[illegible]Minimum railway radius R_{min} , mm

Type	$R_{\min}$
100	1500
125	2500
160	3500
210	4500
250	5500

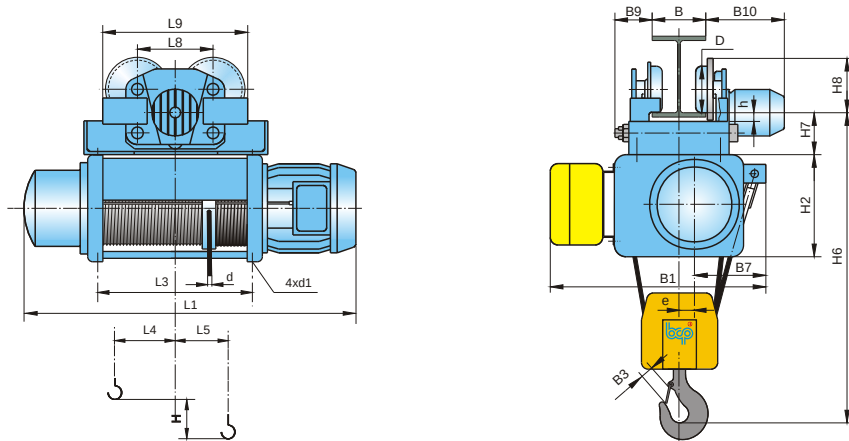
Monorail trolley, standard headroom - Reeving 2/1



- 1) The data given with * are to be considered for stiff suspended trolley
- 2) The data given with ** are to be considered for hinge suspended trolley
- 3) Minimum railway radius $R_{\min}$ - see p.14

Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																													
				L1				L2	L3	L4	L5	L8	L9	L10	B	B1	B3	B6	B9 max	B10, max	H2	H6		H7		H8	D	d	e	h			
				V1	V1/M1	V2	V2/M2															*	**	*	**					*	**		
MH 3-05	20	04	1000	1125	1165	1125	1165	520	629	195	90	215	400	1029	130 ... 150 151 ... 300	580	34	159	100	310	321	939	986	168	215	132	100	7	50	45	46		
	27	05		1325	1365	1325	1365	620	829	295				1229																			
	36	05		1425	1495	1425	1495	670	841	307	74	240	450	1291																			
	40.5	05		1530	1615	1560	1615	715	931	345	79	240	450	1381																			
MHM 5-05	51	06		1750	1835	1780	1835	825	1151	455				1601																			
MH 3-08	20	04	1600	1125	1165	-	-	520	629	195	90	215	400	1029	90 ... 130 131 ... 300	580	40	159	100	310	321	1039	1086	168	215	132	100	7	50	45	46		
	27	05		1325	1365	-	-	620	829	295				1229																			
MHM 4-10	18.5	04	2000	1225	1295	1225	1295	570	641	207	74	240	450	1091	130 ... 150 151 ... 300	650	40	184	115	360	366	1112	1179	196	263	155	125	10	35	42.5	34.5		
	25	05		1425	1495	1425	1495	670	841	307				1291																			
33.5	05	1540		1630	1575	1630	715	873	316				1323																				
38	06	1645		1735	1680	1735	770	978	367	73	240	450	1426				760	40	220	115	360	432	1193	1260	211	278	155	125	10	38	42.5	34.5	
MH 6-10	45.5	07	1820	1910	1855	1910	860	1153	455				1603																				
MHM 4-16	18.5	04	3200	1225	1295	-	-	570	641	207	74	240	450	1091	130 ... 150 151 ... 300	680	45	184	115	360	366	1182	1249	196	263	155	125	10	35	42.5	34.5		
	25	05		1425	1495	-	-	670	841	307				1291																			
17	04	1310		1395	1340	1395	605	711	235				1161																				
23	05	1530		1615	1560	1615	715	931	345	79	240	450	1381				650	45	184	115	360	366	1182	1249	196	263	155	125	12 (10)	35	42.5	34.5	
MHM 5-16	29.5	06	1750	1835	1780	1835	825	1151	455				1601																				
	27.5	05	1540	1630	1575	1630	715	873	316				1323																				
MH 6-16	31.5	06	1645	1735	1680	1735	770	978	367	73	240	450	1426			760	45	220	115	360	432	1263	1330	211	278	155	125	12 (10)	38	42.5	34.5		
	37.5	07	1820	1910	1855	1910	860	1153	455				1603																				
MHM 5-25	17	04	5000	1340	1395	-	-	605	711	235				1161	130 ... 150 151 ... 300																		
	23	05		1560	1615	-	-	715	931	345	79	240	450	1381				650	50	184	115	360	366	1272	1339	196	263	155	125	12	35	42.5	34.5
29.5	06	1780		1835	-	-	825	1151	455				1601																				
16.5	04	1330		1420	1365	1420	610	663	211				1113																				
MH 6-25	22.5	05	1540	1630	1575	1630	715	873	316	73	240	450	1323			760	50	220	115	360	432	1353	1420	211	278	155	125	15 (13)	38	42.5	34.5		
	25.5	06	1645	1735	1680	1735	770	978	367				1428																				
	30.5	07	1820	1910	1855	1910	860	1153	455				1603																				
MH 7-25	33	06	5000	1890	1925	-	-	890	1143	408	104	240	450	1663	130 ... 150 151 ... 300	900	50	270	115	360	530	1493	1600	253	360	187	125	15 (13)	55	45	44		
	40	07		2100	2135	-	-	995	1353	512				1873																			
MH 6-32	16.5	04	6300	1365	1420	-	-	610	663	211				1113	130 ... 150 151 ... 300																		
	22.5	05		1575	1630	-	-	715	873	316	73	240	450	1323				760	56	220	115	360	432	1483	1550	211	278	155	125	15	38	42.5	34.5
	25.5	06		1680	1735	-	-	770	978	367				1428																			
	30.5	07		1855	1910	-	-	860	1153	455				1603																			
MH 7-40	12	03	8000	1300	1335	-	-	595	553	162	54			1073	130 ... 150 151 ... 300																		
	16.5	04		1460	1495	-	-	675	713	192				1233																			
	22.5	05		1675	1710	-	-	785	928	300	104			1448				900	56	270	120	365	530	1623	1730	253	360	187	160	18 (15)	55	45	44
	29	06		1890	1925	-	-	890	1143	408				1663																			
MH 7-50	34.5	07	2100	2135	-	-	995	1353	512				1873																				
MH 7-70	12	03	10000	1360	1390	-	-	650	553	162	54			1073	130 ... 150 151 ... 300																		
	16.5	04		1520	1550	-	-	730	713	192				1233																			
	22.5	05		1735	1765	-	-	840	928	300				1448				900	71	270	120	365	558	1723	1830	253	360	187	160	18 (15)	55	45	44
	29	06		1950	1980	-	-	945	1143	408	104			1663																			
MH 7-83	34.5	07	2160	2190	-	-	1050	1353	512				1873																				
	40.5	08	2370	2400	-	-	1155	1563	617				2083																				
MH 7-63	11	03	12500	1360	1390	-	-	650	553	162	54			1143	130 ... 150 151 ... 300																		
	15	04		1520	1550	-	-	730	713	192				1303																			
	21	05		1735	1765	-	-	840	928	300				1518				900	71	270	216	365	558	1723	-	405	-	232	210	20 (18)	55	45	-
	26.5	06		1950	1980	-	-	945	1143	408	104			1733																			
MH 7-63	32	07	2160	2190	-	-	1050	1353	512				1943																				
	37.5	08	2370	2400	-	-	1155	1563	617				2153																				
MH 7-80	9.5	03	16000	1360	1390	-	-	650	553	162	54			1238	130 ... 150 151 ... 300																		
	13	04		1520	1550	-	-	730	713	192				1398																			
	18.5	05		1735	1765	-	-	837.5	928	300				1613																			
	23.5	06		1950	1980	-	-	945	1143	408				1828				900	71	270	223	365	558	1723	-	405	-	300	250	22	55	45	-
	28	07		2160	2190	-	-	1050	1353	512	104			2038																			
	33	08		2370	2400	-	-	1155	1563	617				2248																			
MH 7-80	38.5	09	2600	2630	-	-	1270	1793	732				2478																				

Monorail trolley, standard headroom - Reeving 4/1

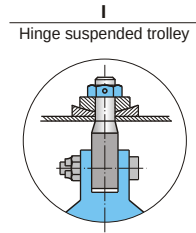
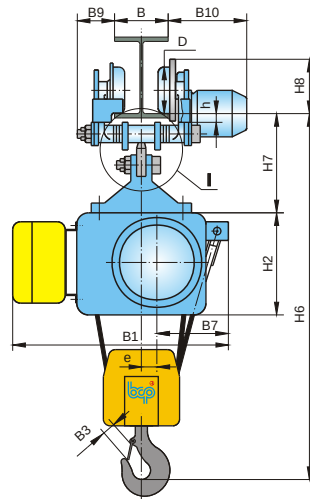
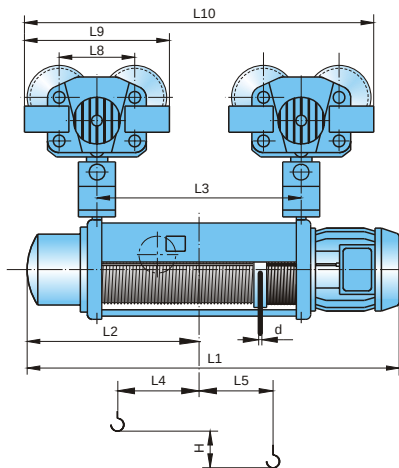


Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																						
				L1				L3	L4	L5	L8	L9	B	B1	B3	B7	B9 _{max}	B10 _{max}	H2	H6	H7	H8	D	d	e	h
				V1	V1/M1	V2	V2/M2																			
MH 3-05	6.5	03	2000	925	965	925	965	429	90	45	240	450	90 ... 130 131 ... 300	650	40	229.5	115	360	321	894	157.5	155	125	7	25	42.5
MH 3-08	6.5	03	3200	925	965	-	-	429	90	45	240	450	90 ... 130 131 ... 300	650	45	229.5	115	360	321	924	157.5	155	125	7	25	42.5
MHM 4-10	6	03	4000	1025	1095	1025	1095	441	65	25	240	450	130 ... 150 151 ... 300	730	50	254	115	360	366	1049	157.5	155	125	10	15	42.5
MHM 4-16	6	03	6300	1025	1095	-	-	441	65	25	280	520	130 ... 150 151 ... 300	730	56	254	120	365	366	1089	175	187	160	10	15	42.5
MHM 5-16	5.5	03		1090	1175	1120	1175	491	67	35	280	520	130 ... 150 151 ... 300	730	56	254	120	365	366	1089	175	187	160	¹² (10)	15	43

Minimum railway radius - R_{min} , mm

D, mm	R_{min}
100	1500
125	2500
160	3500
210	4500
250	5500

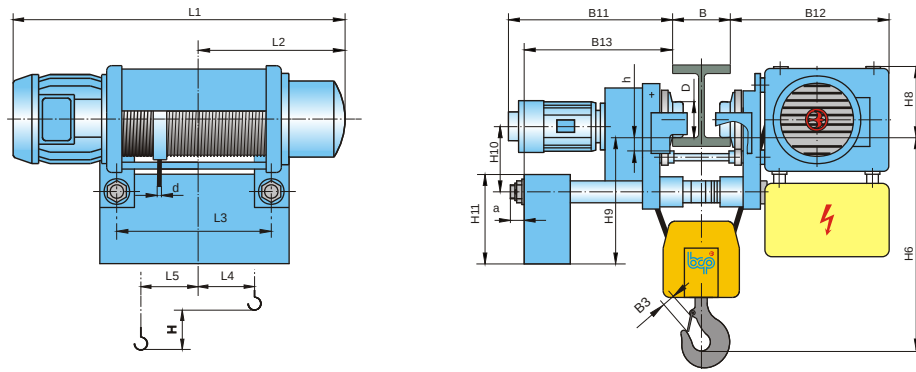
Monorail trolley, standard headroom - Reeving 4/1



- 1) The data given with * are to be considered for stiff suspended trolley
- 2) The data given with ** are to be considered for hinge suspended trolley
- 3) Minimum railway radius R_{min} - see p.16

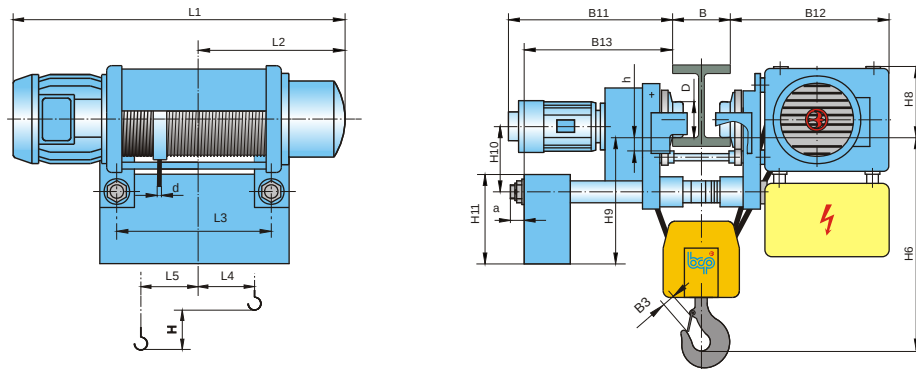
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																											
				L1				L2	L3	L4	L5	L8	L9	L10	B	B1	B3	B7	B9 max	B10 max	H2	H6		H7		H8	D	d	e	h	
				V1	V1/M1	V2	V2/M2															*	**	*	**					*	**
MH 3-05	10	04	2000	1125	1165	1125	1165	520	629	190	45	215	400	1029	90 ... 130 131 ... 300	650	40	229,5	100	310	321	904	951	168	215	132	100	7	25	45	46
	13,5	05		1325	1365	1325	1365	620	829	290	-95			1229																	
	18	05		1425	1495	1425	1495	670	841	307	-115	240	450	1291																	
	20	05		1530	1615	1560	1615	715	931	345	-130			1381																	
MHM 4-05	18	05		1750	1835	1780	1835	825	1151	455	-185			1601	151 ... 300	730	40	254	115	360	366	977	1044	196	263	155	125	7	15	42,5	34,5
MHM 5-05	25,5	06																													
MH 3-08	10	04	3200	1125	1165	-	-	520	629	190	45	240	450	1079	90 ... 130 131 ... 300	650	45	229,5	115	360	321	962	1029	196	263	155	125	7	25	42,5	35
	13,5	05		1325	1365	-	-	620	829	290	-95			1279																	
	9	04		1225	1295	1225	1295	570	641	165	-25	240	450	1091																	
	12,5	05		1425	1495	1425	1495	670	841	165	-75			1291																	
MHM 4-10	16,5	05	4000	1540	1630	1575	1630	715	873	316	-120			1323	130 ... 150 151 ... 300	730	50	254	115	360	366	1087	1154	196	263	155	125	10	15	42,5	35
19	06	1645		1735	1680	1735	770	978	367	-145	240	450	1428																		
22,5	07	1820		1910	1855	1910	860	1153	455	-190			1603																		
9	04	1225		1295	-	-	570	641	165	-25	240	450	1091																		
MHM 4-16	12,5	05		1425	1495	-	-	670	841	265	-75			1291	130 ... 150 151 ... 300	730	56	254	115	360	366	1127	1194	196	263	155	125	10	15	42,5	35
	8,5	04	1310	1395	1340	1395	605	711	177	-20			1161																		
	11,5	05	1530	1615	1560	1615	715	931	287	-70	240	450	1381																		
	14,5	06	1750	1835	1780	1835	825	1151	397	-125			1601																		
MH 6-16	15,5	06		1645	1735	1680	1735	770	978	367	-145	240	450	1428	850	56	309	120	365	432	1190	1235	233	278	155	125	10	14	42,5	35	
	18,5	07	1820	1910	1855	1910	860	1153	455	-190			1603																		
	8,5	04	1340	1395	-	-	605	711	177	-20			1221																		
	11,5	05	1560	1615	-	-	715	931	287	-70	280	520	1451																		
MHM 5-25	14,5	06		1780	1835	-	-	825	1151	397	-125			1671	730	71	254	120	365	366	1294	1428	233	340	187	160	12	15	45	44	
	5	03	1120	1210	1155	1210	505	453	29	61			973																		
	8	04	1330	1420	1365	1420	610	663	134	8			1183																		
	11	05	1540	1630	1575	1630	715	873	239	44	280	520	1393																		
MH 6-25	12,5	06		1645	1735	1680	1735	770	978	291	-71			1498	130 ... 150 151 ... 300	850	71	309	120	365	432	1360	1467	233	340	187	160	15 (13)	14	45	44
	15	07	1820	1910	1855	1910	860	1153	291	-71			1673																		
	16,5	06	1890	1925	-	-	890	1143	408	-150	280	520	1663																		
	20	07	2100	2135	-	-	995	1353	512	-202			1873																		
MH 7-25	5	03		1155	1210	-	-	505	453	29	61			973	1000	71	369	120	365	530	1478	1585	253	360	187	160	15 (13)	23	45	44	
	8	04	1365	1420	-	-	610	663	134	8			1183																		
	11	05	1575	1630	-	-	715	873	239	44	280	520	1393																		
	12,5	06	1680	1735	-	-	770	978	291	-71			1498																		
MH 6-32	15	07		1855	1910	-	-	860	1153	291	-71			1673	130 ... 150 151 ... 300	850	71	309	120	365	432	1360	1467	233	340	187	160	15	14	45	44
	8	04	1460	1495	-	-	675	713	102	46	280	520	1233																		
	11	05	1675	1710	-	-	785	928	210	-8			1448																		
	12,5	06	1890	1925	-	-	890	1143	408	-150	310	590	1613																		
MH 7-40	17,5	07		2100	2135	-	-	995	1353	422	-114			1943	130 ... 150 151 ... 300	1000	71	369	216	365	530	1740	-	405	-	232	210	18 (15)	23	50	-
	8	04	1520	1550	-	-	730	713	102	46			1398																		
	11	05	1735	1765	-	-	840	928	210	-8			1518																		
	14,5	06	1950	1980	-	-	945	1143	318	-62			1733																		
MH 7-50	17,5	07		2160	2190	-	-	1050	1353	422	-114			2038	130 ... 150 151 ... 300	1000	90	369	223	365	558	1790	-	405	-	300	250	18 (15)	23	57,5	-
	8	04	1520	1550	-	-	730	713	102	46			1398																		
	11	05	1735	1765	-	-	840	928	210	-8			1518																		
	14,5	06	1950	1980	-	-	945	1143	318	-62			1733																		
MH 7-63	17,5	07		2160	2190	-	-	1050	1353	422	-114			2038	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-	1050	1353	422	-114			2093	130 ... 150 151 ... 300	1000	90	369	227	365	558	1830	-	405	-	305	250	20 (18)	23	92	-
	7,5	04	1520	1550	-	-	730	713	102	46			1453																		
	10,5	05	1735	1765	-	-	840	928	210	-8			1668																		
	13	06	1950	1980	-	-	945	1143	318	-62			1883																		
MH 7-63	16	07		2160	2190	-	-																								

Monorail trolley, reduced headroom - Reeving 2/1



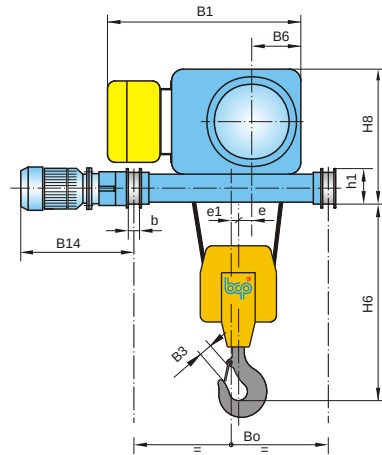
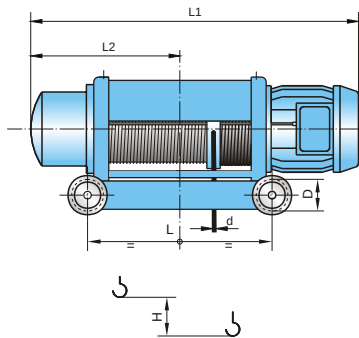
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																					
				L1				L2	L3	L4	L5	B	B3	B11	B12	B13	H6	H8	H9	H10	H11	h	D	a	d
				V1	V1/M1	V2	V2/M2																		
MH 3-05	6	01	1000	720	760	720	760	320	224	52	32	100 ... 170 171 ... 240 241 ... 300	34	500	460	500	615	164	440	233	310	35	100	27	7
	9.5	02		825	865	825	865	370	329	104															
	13	03		925	965	925	965	420	429	100															
	20	04		1125	1165	1125	1165	520	629	200															
	27	05		1325	1365	1325	1365	620	829	300															
MH 3-08	6	01	1600	720	760	-	-	320	224	52	32	100 ... 170 171 ... 240 241 ... 300	40	500	460	500	680	164	440	233	310	35	100	27	7
	9.5	02		825	865	-	-	370	329	104															
	13	03		925	965	-	-	420	429	100															
	20	04		1125	1165	-	-	520	629	200															
	27	05		1325	1365	-	-	620	829	300															
MHM 4-10	5	01	2000	815	885	815	885	365	231	50	33	100 ... 170 171 ... 240 241 ... 300	40	485	511	515	680	204	447	240	310	35.5	125	27	10
	8.5	02		925	995	925	995	420	341	105															
	12	03		1025	1095	1025	1095	470	441	110															
	18.5	04		1225	1295	1225	1295	570	641	175															
	25	05		1425	1495	1425	1495	670	841	275															
MHM 4-16	5	01	3200	815	885	-	-	365	231	50	33	100 ... 170 171 ... 240 241 ... 300	45	485	511	515	745	204	447	240	310	35.5	125	27	10
	8.5	02		925	995	-	-	420	341	105															
	12	03		1025	1095	-	-	470	441	110															
	18.5	04		1225	1295	-	-	570	641	175															
	25	05		1425	1495	-	-	670	841	275															
MHM 5-16	5	01	5000	860	945	890	945	380	261	65	29	100 ... 170 171 ... 240 241 ... 300	45	485	511	515	745	204	447	240	310	35.5	125	32	12 (10)
	8	02		980	1065	1010	1065	440	381	125															
	11	03		1090	1175	1120	1175	495	491	142															
	17	04		1310	1395	1340	1395	605	711	162															
	23	05		1530	1615	1560	1615	715	931	272															
	29.5	06		1750	1835	1780	1835	825	1151	382															
MHM 5-25	5	01	5000	890	945	-	-	380	261	65	29	100 ... 170 171 ... 240 241 ... 300	50	490	527	550	835	204	465	240	310	38	160	32	12
	8	02		1010	1065	-	-	440	381	125															
	11	03		1120	1175	-	-	495	491	142															
	17	04		1340	1395	-	-	605	711	162															
	23	05		1560	1615	-	-	715	931	272															
	29.5	06		1780	1835	-	-	825	1151	382															
MH 6-25	7	02	5000	1015	1105	1050	1105	445	348	90	38	100 ... 170 171 ... 240 241 ... 300	50	490	605	550	920	257	465	255	310	38	160	32	15 (13)
	10.5	03		1120	1210	1155	1210	505	453	90															
	16.5	04		1330	1420	1365	1420	610	663	143															
	22.5	05		1540	1630	1575	1630	715	873	248															
	25.5	06		1645	1735	1680	1735	770	978	300															
	30.5	07		1820	1910	1855	1910	860	1153	388															
MH 6-32	7	02	6300	1050	1105	-	-	445	348	90	38	100 ... 170 171 ... 240 241 ... 300	56	490	605	550	1050	257	465	255	310	38	160	32	15
	10.5	03		1155	1210	-	-	505	453	90															
	16.5	04		1365	1420	-	-	610	663	143															
	22.5	05		1575	1630	-	-	715	873	248															
	25.5	06		1680	1735	-	-	770	987	300															
	30.5	07		1855	1910	-	-	860	1153	388															
MH 7-40	7.5	02	8000	1140	1175	-	-	515	393	75	50	100 ... 170 171 ... 240 241 ... 300	56	665	744	575	1050	316	512	303	310	60	200	35	18 (15)
	12	03		1300	1335	-	-	595	553	155															
	16.5	04		1460	1495	-	-	675	713	167															
	22.5	05		1675	1710	-	-	785	828	248															
	29	06		1890	1925	-	-	890	1143	382															
	34.5	07		2100	2135	-	-	995	1353	487															

Monorail trolley, reduced headroom - Reeving 4/1



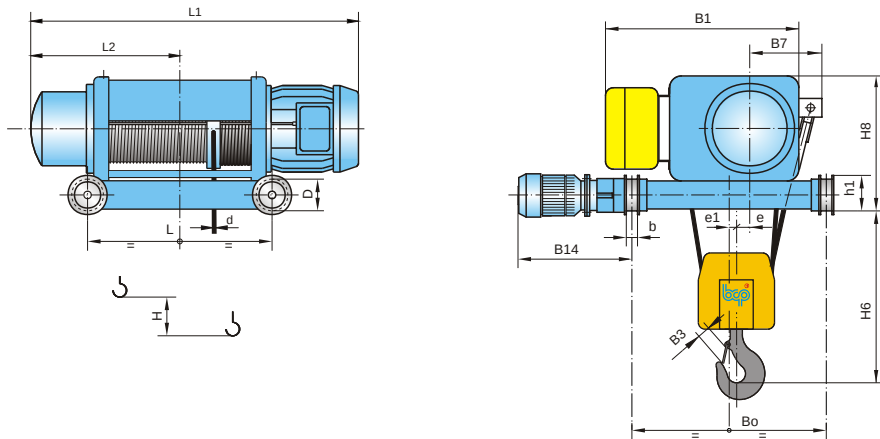
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																					
				L1				L2	L3	L4	L5	B	B3	B11	B12	B13	H6	H8	H9	H10	H11	h	D	a	d
				V1	V1/M1	V2	V2/M2																		
MH 3-05	6.5	03	2000	925	965	925	965	420	429	45.5	41	100 ... 170	40	500	460	510	615	164	440	233	310	35	100	27	7
	10	04		1125	1165	1125	1165	520	629	146	-9	171 ... 240													
	13.5	05		1325	1365	1325	1365	620	829	246	-59	241 ... 300													
MH 3-08	6.5	03	3200	925	965	-	-	420	429	45.5	41	100 ... 170	45	500	470	490	625	164	440	233	310	35	100	27	7
	10	04		1125	1165	-	-	520	629	146	-9	171 ... 240													
	13.5	05		1325	1365	-	-	620	829	246	-59	241 ... 300													
MHM 4-10	6	03	4000	1025	1095	1025	1095	470	441	29	54	100 ... 170	50	515	511	485	660	204	447	240	310	35.5	125	27	10
	9	04		1225	1295	1225	1295	570	641	129	4	171 ... 240													
	12.5	05		1425	1495	1425	1495	670	841	229	-46	241 ... 300													
MHM 4-16	6	03	6300	1025	1095	-	-	470	441	29	54	100 ... 170	56	525	527	490	700	204	465	240	310	38	160	32	10
	9	04		1225	1295	-	-	570	641	129	4	171 ... 240													
	12.5	05		1425	1495	-	-	670	841	229	-46	241 ... 300													
MHM 5-16	5.5	03	6300	1090	1175	1120	1175	495	491	25	67	100 ... 170	56	525	527	490	700	198	465	255	310	38	160	32	12 (10)
	8.5	04		1310	1395	1340	1395	605	711	135	12	171 ... 240													
	11.5	05		1530	1615	1560	1615	715	931	245	-42	241 ... 300													
14.5	06	1750		1835	1780	1835	825	1151	355	-97															
MHM 5-25	5.5	03	10000	1120	1175	-	-	495	491	25	67	100 ... 170	71	550	548	495	830	198	495	255	310	60	200	35	12
	8.5	04		1340	1395	-	-	605	711	135	12	171 ... 240													
	11.5	05		1560	1615	-	-	715	931	245	-42	241 ... 300													
14.5	06	1780		1835	-	-	825	1151	355	-97															
MH 6-25	5	03	12500	1120	1210	1155	1210	505	453	34	112	100 ... 170	71	550	626	495	830	225	495	286	310	60	200	35	15 (13)
	8	04		1330	1420	1365	1420	610	663	71	60	171 ... 240													
	11	05		1540	1630	1575	1630	715	873	176	7	241 ... 300													
MH 6-32	12.5	06	16000	1645	1735	1680	1735	770	978	228	-19		71	575	640	730	830	225	525	286	310	68	250	35	15
	15	07		1820	1910	1855	1910	860	1153	315	-62														
	5	03		1155	1210	-	-	505	453	34	112	100 ... 170													
MH 7-40	8	04	16000	1365	1420	-	-	610	663	71	60	171 ... 240	71	575	766	730	960	303	525	308	310	68	250	35	18 (15)
	11	05		1575	1630	-	-	715	873	176	7	241 ... 300													
	12.5	06		1680	1735	-	-	770	978	228	-19														
MH 7-40	15	07	16000	1855	1910	-	-	860	1153	315	-62		71	575	766	730	960	303	525	308	310	68	250	35	18 (15)
	8	04		1460	1495	-	-	675	713	38	100	100 ... 170													
	11	05		1675	1710	-	-	785	928	128	62	171 ... 240													
MH 7-40	14.5	06	16000	1890	1925	-	-	890	1143	236	8	241 ... 300	71	575	766	730	960	303	525	308	310	68	250	35	18 (15)
	17.5	07		2100	2135	-	-	995	1353	341	-44														

Double rail trolley - Reeving 2/1



Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																		
				L	L1				L2	B0	B1	B3	B6	B14, max	H6	H8	D	b	d	e	e1	h1
					V1	V1/M1	V2	V2/M2														
MHM 4-10	5	01	2000	431	815	885	815	885	365	1000	650	40	184	480	550	525	160	50	10	35	-1	175
	8,5	02		541	925	995	925	995	420													
	12	03		641	1025	1095	1025	1095	470													
	18,5	04		841	1225	1295	1225	1295	570													
	25	05		1041	1425	1495	1425	1495	670													
MHM 4-16	5	01	3200	431	815	885	-	-	365	1000	650	45	184	480	620	525	160	50	10	35	-1	175
	8,5	02		541	925	995	-	-	420													
	12	03		641	1025	1095	-	-	470													
	18,5	04		841	1225	1295	-	-	570													
	25	05		1041	1425	1495	-	-	670													
MHM 5-16	5	01	5000	461	860	945	890	945	380	1000	650	45	184	480	620	525	160	50	12 (10)	35	-3	175
	8	02		581	980	1065	1010	1065	440													
	11	03		691	1090	1175	1120	1175	495													
	17	04		911	1310	1395	1340	1395	605													
	23	05		1131	1530	1615	1560	1615	715													
MHM 5-25	5	01	5000	461	890	945	-	-	380	1000	650	50	184	480	710	525	160	50	12	35	-3	175
	8	02		581	1010	1065	-	-	440													
	11	03		691	1120	1175	-	-	495													
	17	04		911	1340	1395	-	-	605													
	23	05		1131	1560	1615	-	-	715													
MH 6-25	7	02	5000	548	1015	1105	1050	1105	445	1000	760	50	220	480	710	590	160	50	15 (13)	38	1	175
	10,5	03		653	1120	1210	1155	1210	505													
	16,5	04		863	1330	1420	1365	1420	610													
	22,5	05		1073	1540	1630	1575	1630	715													
	25,5	06		1178	1645	1735	1680	1735	770													
MH 6-32	7	02	6300	548	1050	1105	-	-	445	1000	760	56	220	480	840	590	160	50	15	38	1	175
	10,5	03		653	1155	1210	-	-	505													
	16,5	04		863	1365	1420	-	-	610													
	22,5	05		1073	1575	1630	-	-	715													
	25,5	06		1178	1680	1735	-	-	770													
MH 7-40	7,5	02	8000	673	1140	1175	-	-	515	1000	900	56	270	760	840	740	160	50	18 (15)	55	-4	175
	12	03		833	1300	1335	-	-	595													
	16,5	04		993	1460	1495	-	-	675													
	22,5	05		1208	1675	1710	-	-	785													
	29	06		1423	1890	1925	-	-	890													
MH 7-50	7,5	02	10000	673	1200	1230	-	-	570	1000	900	71	270	760	965	740	160	50	18 (15)	55	-4	175
	12	03		833	1360	1390	-	-	650													
	16,5	04		993	1520	1550	-	-	730													
	22,5	05		1208	1735	1765	-	-	837,5													
	29	06		1423	1950	1980	-	-	945													
MH 7-63	7,5	02	12500	673	1200	1230	-	-	570	1200	900	71	270	760	965	740	200	60	20 (18)	55	-4	215
	11	03		833	1360	1390	-	-	650													
	15	04		993	1520	1550	-	-	730													
	21	05		1208	1735	1765	-	-	837,5													
	26,5	06		1423	1950	1980	-	-	945													
MH 7-80	7,5	02	16000	673	1200	1230	-	-	570	1200	900	71	270	760	965	740	200	60	22	55	-4	215
	9,5	03		833	1360	1390	-	-	650													
	13	04		993	1520	1550	-	-	730													
	18,5	05		1208	1735	1765	-	-	837,5													
	23,5	06		1423	1950	1980	-	-	945													

Double rail trolley - Reeving 4/1



Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																		
				L	L1				L2	Bo	B1	B3	B7	B14, max	H6	H8	D	b	d	e	e1	h1
					V1	V1/M1	V2	V2/M2														
MHM 4-10	6 03	04	4000	641	1025	1095	1025	1095	470	1000	730	50	254	480	505	525	160	50	10	15	27	175
	9 04	841		1225	1295	1225	1295	570														
	12.5 05	1041		1425	1495	1425	1495	670														
MHM 4-16	6 03	04	6300	641	1025	1095	-	-	470	1000	730	56	254	480	545	525	160	50	10	15	27	175
	9 04	841		1225	1295	-	-	570														
	12.5 05	1041		1425	1495	-	-	670														
MHM 5-16	5.5 03	04	6300	691	1090	1175	1120	1175	495	1000	730	56	254	480	545	525	160	50	12 (10)	15	27	175
	8.5 04	911		1310	1395	1340	1395	605														
	11.5 05	1131		1530	1615	1560	1615	715														
	14.5 06	1351		1750	1835	1780	1835	825														
MHM 5-25	5.5 03	04	10000	691	1120	1175	-	-	495	1000	730	71	254	480	685	525	160	50	12	15	27	175
	8.5 04	911		1340	1395	-	-	605														
	11.5 05	1131		1560	1615	-	-	715														
	14.5 06	1351		1780	1835	-	-	825														
MH 6-25	5 03	04	10000	653	1120	1210	1155	1210	505	1000	850	71	309	480	685	590	160	50	15 (13)	14	23	175
	8 04	863		1330	1420	1365	1420	610														
	11 05	1073		1540	1630	1575	1630	715														
	12.5 06	1178		1645	1735	1680	1735	770														
	15 07	1353		1820	1910	1855	1910	860														
MH 6-32	5 03	04	12500	653	1155	1210	-	-	505	1200	850	71	309	480	685	630	200	60	15	14	23	215
	8 04	863		1365	1420	-	-	610														
	11 05	1073		1575	1630	-	-	715														
	12.5 06	1178		1680	1735	-	-	770														
	15 07	1353		1855	1910	-	-	860														
MH 7-40	8 04	04	16000	993	1460	1495	-	-	675	1200	1000	71	369	760	765	740	200	60	18 (15)	23	22	215
	11 05	1208		1675	1710	-	-	785														
	14.5 06	1423		1890	1925	-	-	890														
	17.5 07	1633		2100	2135	-	-	995														
	20 08	1843		2310	2345	-	-	1100														
	23.5 09	2073		2540	2575	-	-	1215														
MH 7-50	8 04	04	20000	993	1520	1550	-	-	730	1400	1000	90	380	760	815	800	250	60	18 (15)	23	22	265
	11 05	1208		1735	1765	-	-	837.5														
	14.5 06	1423		1950	1980	-	-	945														
	17.5 07	1633		2160	2190	-	-	1050														
	20 08	1843		2370	2400	-	-	1155														
	23.5 09	2073		2600	2630	-	-	1270														
MH 7-63	7.5 04	04	25000	993	1520	1550	-	-	730	1400	1000	90	380	760	815	815	250	60	20 (18)	23	22	265
	10.5 05	1208		1735	1765	-	-	837.5														
	13 06	1423		1950	1980	-	-	945														
	16 07	1633		2160	2190	-	-	1050														
	18.5 08	1843		2370	2400	-	-	1155														
	22 09	2073		2600	2630	-	-	1270														
MH 7-80	6.5 04	04	32000	993	1520	1550	-	-	730	1400	1000	90	380	760	815	850	320	60	22	23	22	337.5
	9 05	1208		1735	1765	-	-	837.5														
	11.5 06	1423		1950	1980	-	-	945														
	14 07	1633		2160	2190	-	-	1050														
	16.5 08	1843		2370	2400	-	-	1155														
	19 09	2073		2600	2630	-	-	1270														





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