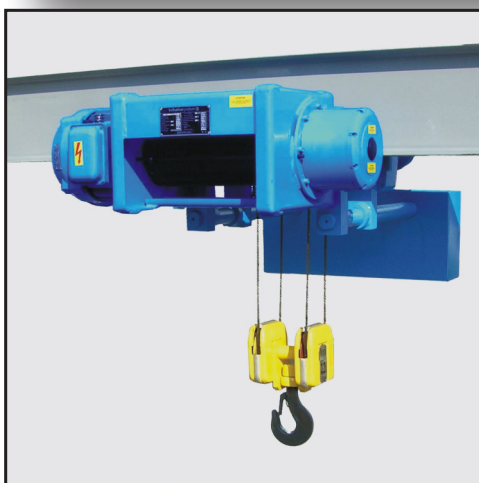


Electric Wire Rope Hoists "MH" and "MHM" Types





WIRE ROPE ELECTRIC HOISTS

Lifting capacity from 250 kg up to 32 000 kg.

More than 1 800 000 wire rope electric hoists of the well known "T" series have been sold by Balkancarpodem in over 40 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 98/37/EG of 22.06.98
- EG - European requirements for low voltage 73/23/EEG of 19.02.73
- Harmonized norm EN 292 - Protection of machines

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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

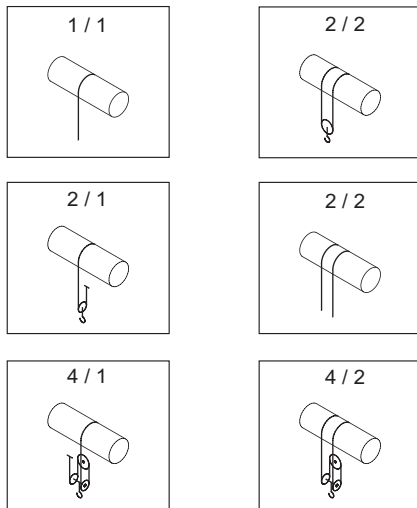
Loading capacity **- 4000 kg**
 Average lifting path of the hook (H) **- 5 m**
 Hoisting speed (V) **- 4 m/min**
 Reeving **- 4/1**
 Load spectrum **- "medium"**
 Cycles per hour (N) **- 15**
 Average operating time per day (T) **- 6 hours**

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		2 - 4	4 - 8	8 - 16
MEDIUM	Mechanisms, usually subject to small loads but rather often to maximum loads		1 - 2	2 - 4	4 - 8
HEAVY	Mechanisms, usually subject to medium loads but frequently maximum loads		0.5 - 1	1 - 2	2 - 4
VERY HEAVY	Mechanisms, usually subject to maximum or almost maximum loads		0.25 - 0.5	0.5 - 1	1 - 2
GROUP - DIN 15 020 / FEM 9.511			1 Am	2 m	3 m
GROUP - ISO 4301			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 3-08	—	MH 4-08 MH 6-08
1000	2000	4000	MH 3 MHM 4 MH 6	—	MHM 4-10 MH 6-10	—
1250	2500	5000	MHM 5	—	—	MHM 5-12 MH 6-12
1600	3200	6300		MH 6	—	MHM 5-16 MH 6-16
2000	4000	8000	MH 6 MH 7	—	—	MH 6-20 MH 7-20
2500	5000	10000		—	MH 6-25 MH 7-25	—
3200	6300	12500	MH 7	—	MH 7-32	—
4000	8000	16000		MH 7-40	—	—
5000	10000	20000		—	MH 7-50	—
6300	12500	25000		MH 7-63	—	—

Type selection

Table 1

Capacity, kg	Type	DIN 15020 FEM 9.511	ISO 4301	REEVING	Size of drums								Lifting speed, m/min		
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2	
					Lifting height H, m										
400	MH 3-04	3m	M6	1/1	12	19	26	40,5	54,5	-	-	-	16 16/4	24 24/4	
	MHM 4-04				-	-	-	-	72,5	-	-	-			
	MHM 5-04				-	-	-	-	81	102	-	-			
	2/2			MH 3-04	-	-	11	20,5	29,5	-	-	-			
				MHM 4-04	-	-	15	-	-	-	-	-			
				MHM 5-04	-	-	-	31,5	-	-	-	-			
500	MH 3-05	2m	M5	1/1	12	19	26	40,5	54,5	-	-	-	16 16/4	24 24/4	
	MHM 4-05				-	-	-	-	72,5	-	-	-			
	MHM 5-05				-	-	-	-	81	102	-	-			
	2/2			MH 3-05	-	-	11	20,5	29,5	-	-	-			
				MHM 4-05	-	-	15	-	-	-	-	-			
				MHM 5-05	-	-	-	31,5	-	-	-	-			
800	MH 3-08	1Am	M4	1/1	12	19	26	40,5	54,5	-	-	-	16 16/4	-	
	MHM 4-08	3m	M6		10	17	24	37	50,5	-	-	-		24 24/4	
	MH 6-08				-	-	-	-	67	76	91,5	-		-	
	MH 3-08	1Am	M4	2/2	-	-	11	20,5	29,5	-	-	-		-	24 24/4
	MHM 4-08	3m	M6		-	-	10	19,5	29	-	-	-		-	
	MH 6-08				-	-	-	-	39,5	46,5	56,5	-		-	
	MH 3-04	3m	M6	2/1	6	9,5	13	20	27	-	-	-	8 8/2	12 12/2	
					MHM 4-04	-	-	-	-	36	-	-			-
					MHM 5-04	-	-	-	-	40,5	51	-			-
				4/2	MH 3-04	-	-	-	10	14,5	-	-			-
					MHM 4-04	-	-	7,5	-	-	-	-			-
					MHM 5-04	-	-	-	15,5	-	-	-			-
1000	MHM 4-10	2m	M5	1/1	10	17	24	37	50,5	-	-	-	16 16/4	24 24/4	
	MH 6-10				-	-	-	-	67	76	91,5	-			
	2/2			MHM 4-10	-	-	10	19,5	29	-	-	-			
				MH 6-10	-	-	-	-	39,5	46,5	56,5	-			
	2/1			MH 3-05	6	9,5	13	20	27	-	-	-	8 8/2	12 12/2	
				MHM 4-05	-	-	-	-	36	-	-	-			
	4/2			MHM 5-05	-	-	-	-	40,5	51	-	-			
				MH 3-05	-	-	-	10	14,5	-	-	-			
	4/2			MHM 4-05	-	-	7,5	-	-	-	-	-			
				MHM 5-05	-	-	-	15,5	-	-	-	-			
1250	MHM 5-12	3m	M6	1/1	10 (12)	16 (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)	63 (76)	75,5 (91,5)	-			
	2/2			MHM 5-12	-	-	7	14,5	22	29	-	-			
				MH 6-12	-	-	-	-	25,5	30,5	37,5	-			

Table 1 - cont'd

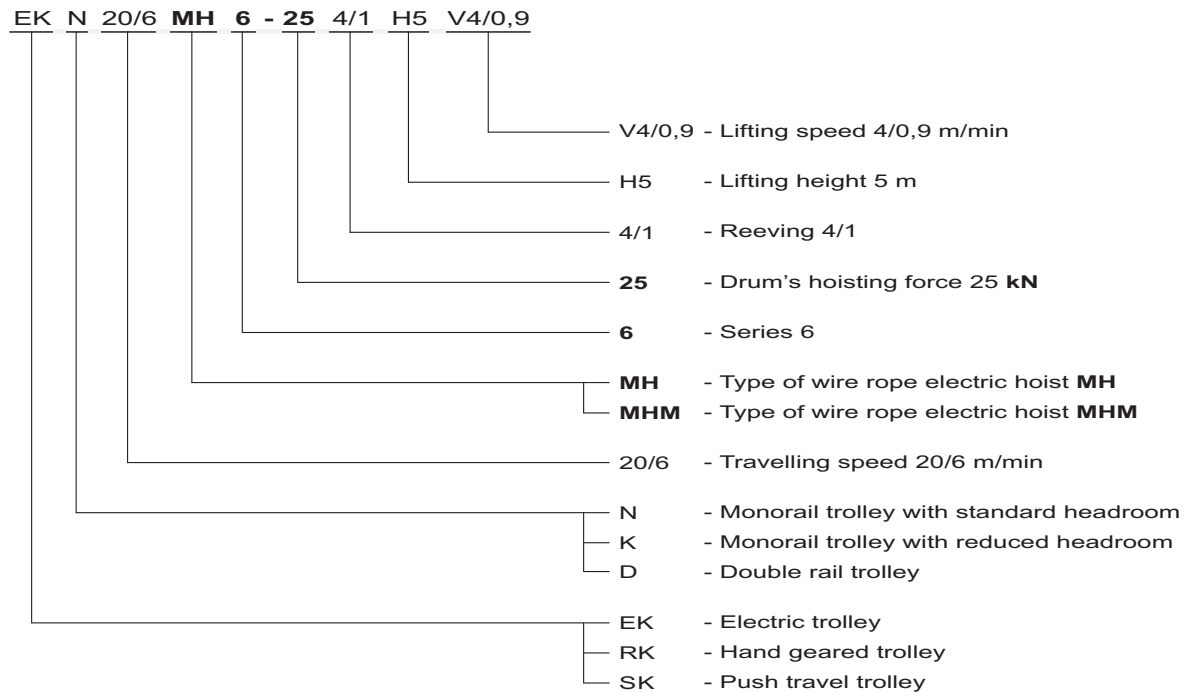
Capacity, kg	Type	DIN 15020 FEM 9.511	ISO 4301	REEVING	Size of drums								Lifting speed, m/min			
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2		
					Lifting height H, m											
1600	MHM 5-16	2m	M5	1/1	10 (12)	16 (20)	22,5 (27)	34,5 (42)	46,5 (56,5)	59 (71)	-	-	16 16/4	24 24/4		
	MH 6-16				-	-	-	-	55,5 (67)	63 (76)	75,5 (91,5)	-				
	MHM 5-16			2/2	-	-	7	14,5	22	29	-	-				
	MH 6-16				-	-	-	-	25,5	30,5	37,5	-				
	MH 3-08	1Am	M4	2/1	6	9,5	13	20	27	-	-	-	8 8/2	-		
	MHM 4-08	3m	M6		5	8,5	12	18,5	25	-	-	-				
	MH 6-08				-	-	-	-	33,5	38	45,5	-				
	MH 3-08	1Am	M4		-	-	-	10	14,5	-	-	-			8 8/2	-
	MHM 4-08	3m	M6	4/2	-	-	-	9,5	14,5	-	-	-				
	MH 6-08				-	-	-	-	19,5	23	28	-				
	MH 3-04			4/1	-	-	6,5	10	13,5	-	-	-	4 4/1	6 6/1		
	MHM 4-04				-	-	-	-	18	-	-	-				
MHM 5-04	-	-	-	-	20	25,5	-	-								
2000	MH 6-20	3m	M6	1/1	-	14,5 (17)	20,5 (24)	33 (38)	45 (52,5)	51 (59,5)	61 (71)	-	16 16/4	24 24/4		
	MH 7-20				-	-	-	-	-	66,5 (76,5)	80 (92)	-				
	MH 6-20			2/2	-	-	-	11,5	19	22,5	29	-			16 16/4	24 24/4
	MH 7-20				-	-	-	-	-	31	39,5	-				
	MHM 4-10	2m	M5	2/1	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	-	-	-	9,5	14,5	-	-	-				
	MH 6-10				-	-	-	-	19,5	23	28	-				
	MH 3-05			4/1	-	-	6,5	10	13,5	-	-	-			4 4/1	6 6/1
	MHM 4-05				-	-	-	-	18	-	-	-				
	MHM 5-05			-	-	-	-	20	25,5	-	-					
	2500	MH 6-25	2m	M5	1/1	-	14,5 (17)	20,5 (24)	33 (38)	45 (52,5)	51 (59,5)	61 (71)	-	16 16/4	24 24/4	
MH 7-25		-				-	-	-	-	66,5 (76,5)	80 (92)	-				
MH 6-25		2/2			-	-	-	11,5	19	22,5	29	-				
MH 7-25					-	-	-	-	-	31	39,5	-				
MHM 5-12		3m	M6	2/1	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)	31,5 (38)	37,5 (45,5)	-				
MHM 5-12				4/2	-	-	-	7	11	14,5	-	-				
MH 6-12					-	-	-	-	12,5	15	18,5	-				
3200	MH 7-32	2m	M5	1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-	16 16/4	-		
	MH 7-32				-	-	-	10	16,5	24	30,5	-				
	MHM 5-16			2/1	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)	31,5 (38)	37,5 (45,5)	-				
	MHM 5-16	3m	M6	4/2	-	-	-	7	11	14,5	-	-	4 4/1	6 6/1		
	MH 6-16				-	-	-	-	12,5	15	18,5	-				
	MH 3-08			1Am	M4	4/1	-	-	6,5	10	13,5	-			-	-
	MHM 4-08			-	-		6	9	12,5	-	-	-				
MH 6-08	3m	M6	-	-	-	-	16,5	19	22,5	-						

Table 1 - cont'd

Capacity, kg	Type	DIN 15020 FEM 9.511	ISO 4301	REEVING	Size of drums								Lifting speed, m/min	
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2
					Lifting height, m									
4000	MH 7-40	1Am	M4	1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-	16 16/4	-
				2/2	-	-	-	10	16,5	24	30,5	-		
	MH 6-20	3m	M6	2/1	-	(8,5)	10 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35,5)	-	8 8/2	12 12/2
	MH 7-20			-	-	-	-	-	-	33 (38)	40 (46)	-		
	MH 6-20			4/2	-	-	-	-	9,5	11	14,5	-		
	MH 7-20	2m	M5	-	-	-	-	-	-	15,5	19,5	-	4 4/1	6 6/1
	MHM 4-10			4/1	-	-	6	9	12,5	-	-	-		
5000	MH 6-10	2m	M5	-	-	-	-	-	16,5	19	22,5	-	12,5 12,5/3,2	-
	MH 7-50			1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-		
	MH 6-25	2m	M5	2/2	-	-	-	10	16,5	24	30,5	-	8 8/2	12 12/2
	MH 7-25			2/1	-	(8,5)	10 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35,5)	-		
	MH 6-25			-	-	-	-	-	-	33 (38)	40 (46)	-		
	MH 7-25	3m	M6	4/2	-	-	-	-	9,5	11	14,5	-	4 4/1	6 6/1
	MHM 5-12			4/1	-	-	5,5 (6,5)	8,5 (10,5)	11,5 (14)	14,5 (17,5)	-	-		
6300	MH 6-12	2m	M5	-	-	-	-	-	13,5 (16,5)	15,5 (19)	18,5 (22,5)	-	10,5 10,5/2,6	-
	MH 7-63			1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-		
	MH 7-32	2m	M5	2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-	8 8/2	-
	MH 6-16			4/2	-	-	-	5	8	12	15	-		
	MHM 5-16			4/1	-	-	5,5 (6,5)	8,5 (10,5)	11,5 (14)	14,5 (17,5)	-	-		
8000	MH 7-40	1Am	M4	2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-	8 8/2	-
	MH 6-20	3m	M6	4/2	-	-	-	5	8	12	15	-		
	MH 7-20			4/1	-	-	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	-	4 4/1	6 6/1
	MH 7-20	2m	M5	-	-	-	-	-	-	16,5 (19)	20 (23)	-		
10000	MH 7-50			2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-	6,3 6,3/1,6	-
	MH 6-25	2m	M5	4/2	-	-	-	5	8	12	15	-		
	MH 7-25			4/1	-	-	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	-	4 4/1	6 6/1
	MH 7-25	1Am	M4	-	-	-	-	-	-	16,5 (19)	20 (23)	-		
12500	MH 7-63	2m	M5	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	-	5,2 5,2/1,3	-
	MH 7-32	1Am	M4	2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-	4 4/1	-
16000	MH 7-40	1Am	M4	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	-	4 4/1	-
20000	MH 7-50	2m	M5	4/1	-	-	-	8	11	14	17	19,5	3,2 3,2/0,8	-
25000	MH 7-63	1Am	M4	4/1	-	-	-	8	11	14	17	19,5	2,6 2,6/0,65	-
32000	MH 7-80	1Bm	M3	4/1	-	-	-	6,5	9	11,5	14	16	2,2 2,2/0,5	-

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

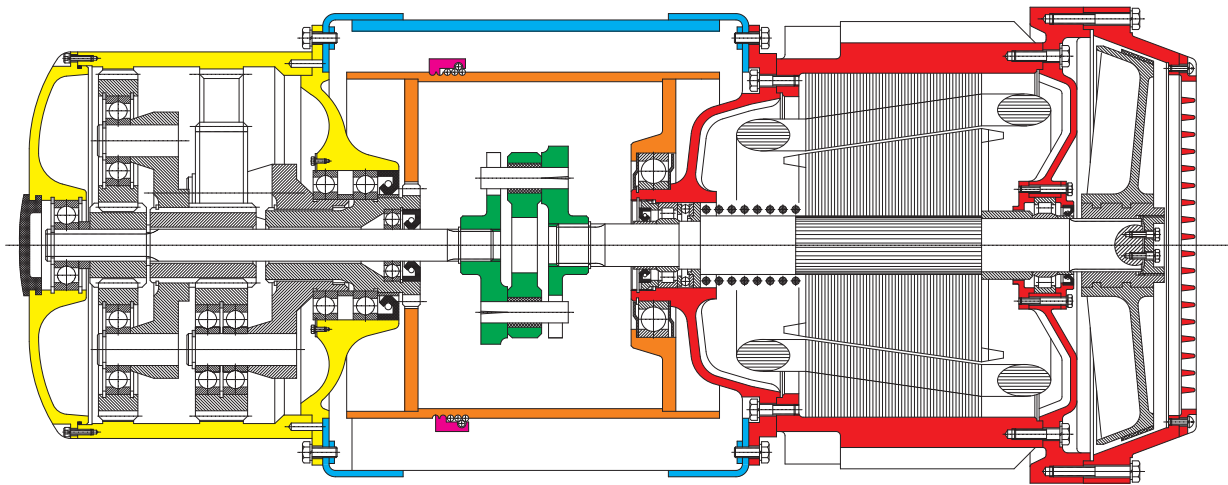
Travelling speeds

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

1) Valid for fixed suspension only, without load limiter.

2) 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

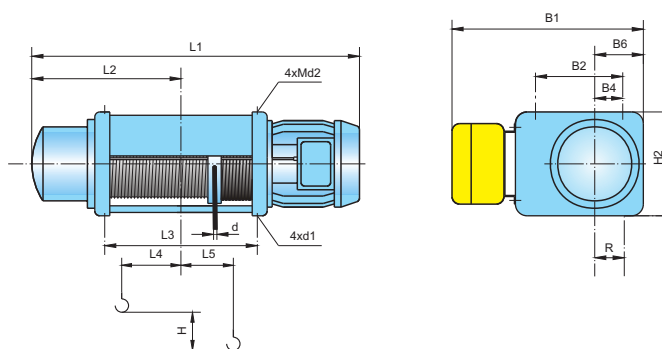
Three types of trolleys are available: monorail trolley with standard headroom, monorail trolley with reduced headroom and double rail trolley.

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, hand geared or push travel. 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

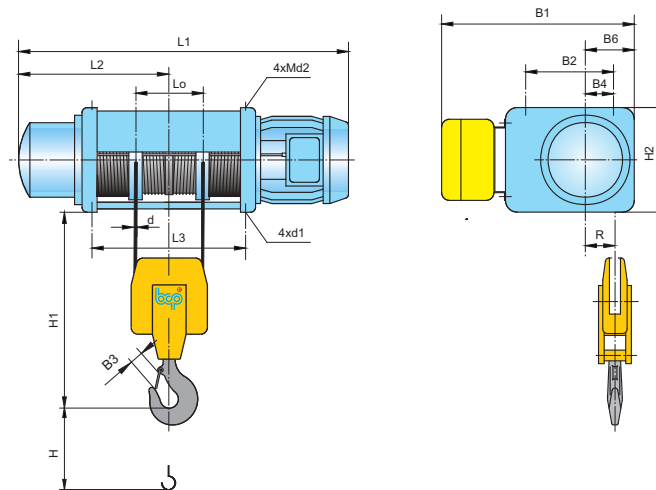
Power circuit voltage and frequency are at purchaser's request. Control voltage to relays and contactors is 24 or 42V, frequency 50 and 60Hz. The most part of electric equipment is assembled in command box, fastened to the body or to other appropriate part. Terminal box of the motor holds end limit switch.

Stationary electric wire rope hoist - Reeving 1/1



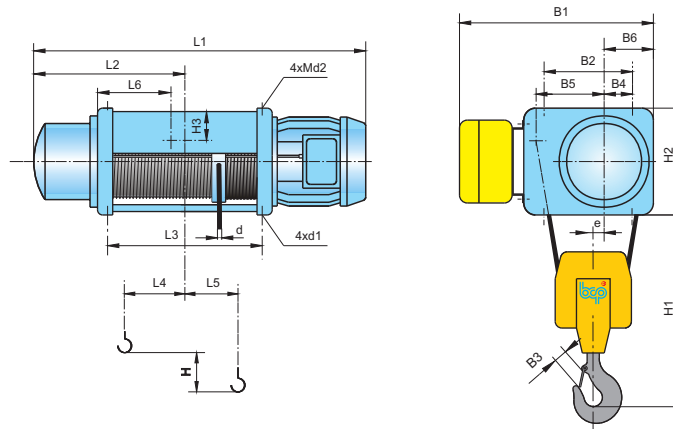
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																
				L1				L2	L3	L4	L5	B1	B2	B4	B6	H2	R	d	d1	d2
				V1	V1/M1	V2	V2/M2													
MH 3-05	12	01	500	720	760	720	760	320	224	93	77	580	295	105	159	321	90	7	15	M14
	19	02		825	865	825	865	370	329	145	130									
	26	03		925	965	925	965	420	429	195	180									
	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	800	1425	1495	1425	1495	670	841	393	377	650	325	127,5	184	366	120,5	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									
	12	01		720	760	720	760	320	224	93	77									
MH 3-08	19	02		825	865	825	865	370	329	145	130									
	26	03		925	965	925	965	420	429	195	180									
	40,5	04		1125	1165	1125	1165	520	629	295	280									
	54,5	05		1325	1365	1325	1365	620	829	395	380									
MHM 4-10	10	01	1000	815	885	815	885	365	231	89	61	650	325	127,5	184	366	122	10	17	M20
	17	02		925	995	925	995	420	341	144	116									
	24	03		1025	1095	1025	1095	470	441	194	166									
	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	05	1600	1540	1630	1575	1630	715	873	403	382	760	390	157	220	432	157,5	21	M24	
	76	06		1645	1735	1680	1735	770	978	456	434									
	91,5	07		1820	1910	1855	1910	860	1153	543	522									
MHM 5-16	10	01	2500	860	945	890	945	380	261	102	76	650	325	127,5	184	366	123 (122)	12 (10)	17	M20
	16	02		980	1065	1010	1065	440	381	164	136									
	22,5	03		1090	1175	1120	1175	495	491	219	191									
	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	4000	1750	1835	1780	1835	825	1151	549	521	760	390	157	220	432	158,5 (157,5)	21	M24	
	55,5	05		1540	1630	1575	1630	715	873	403	382									
	63	06		1645	1735	1680	1735	770	978	456	434									
	73,5	07		1820	1910	1855	1910	860	1153	543	522									
MH 6-25	14,5	02	5000	1015	1105	1050	1105	445	348	146	109	760	390	157	220	432	160 (159)	15 (13)	21	M24
	20,5	03		1120	1210	1155	1210	505	453	198	162									
	33	04		1330	1420	1365	1420	610	663	303	267									
	45	05		1540	1630	1575	1630	715	873	407	372									
	51	06		1645	1735	1680	1735	770	978	461	424									
MH 7-25	61	07	6300	1820	1910	1855	1910	860	1153	548	512	900	475	186,5	270	530	178,5 (177,5)	25	M27	
	66,5	06		1890	1925	-	-	890	1143	531	499									
	80	07		2100	2135	-	-	995	1353	636	604									
MH 7-40	15	02	5000	1140	1175	-	-	515	393	158	117	900	475	186,5	270	530	180 (178,5)	18 (15)	25	M27
	24	03		1300	1335	-	-	595	553	238	197									
	33,5	04		1460	1495	-	-	675	713	318	277									
	45,5	05		1675	1710	-	-	785	928	426	384									
	57,5	06		1890	1925	-	-	890	1143	533	492									
MH 7-50	69,5	07	5000	2100	2135	-	-	995	1353	368	597	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-
	15	02		1217	1252	-	-	592	393	158	117									
	24	03		1377	1412	-	-	672	553	238	197									
	33,5	04		1537	1572	-	-	752	713	318	277									
	45,5	05		1752	1787	-	-	862	928	426	384									
MH 7-63	57,5	06	6300	1967	2002	-	-	967	1143	533	492	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-
	69,5	07		2177	2212	-	-	1072	1353	368	597									
	15	02		1217	1252	-	-	592	393	158	117									
	24	03		1377	1412	-	-	672	553	238	197									
	33,5	04		1537	1572	-	-	752	713	318	277									
MH 7-63	45,5	05	6300	1752	1787	-	-	862	928	426	384	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-
	57,5	06		1967	2002	-	-	967	1143	533	492									
	69,5	07		2177	2212	-	-	1072	1353	368	597									
	15	02		1217	1252	-	-	592	393	158	117									
	24	03		1377	1412	-	-	672	553	238	197									

Stationary electric wire rope hoist - Reeving 2/2



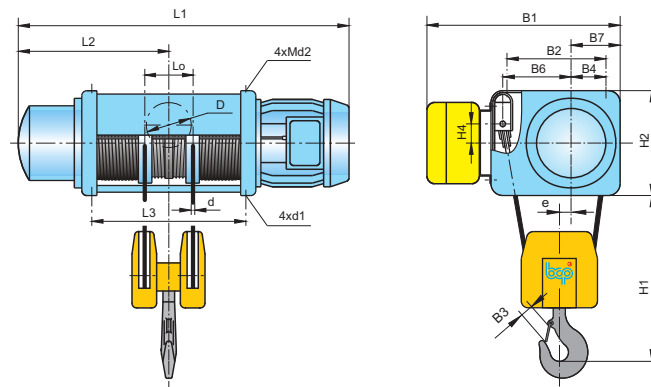
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																	
				L1				L2	L3	Lo min	B1	B2	B3	B4	B6	H1	H2	R	d	d1	d2
				V1	V1/M1	V2	V2/M2														
MH 3-05	11	03	500	925	965	925	965	420	429	110	580	295	34	105	159	450	321	89	5	15	M14
	20,5	04		1125	1165	1125	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	127,5	184	450	366	119,5	5	17	M20	
MHM 5-05	31,5	04		1310	1395	1340	1395	605	711												
				1025	1095	1025	1095	470	441												
MH 3-08	11	03	800	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 4-10	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 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	760	390	40	157	220	550	432	157,5	10	21	M24
	25,5	05		1540	1630	1575	1630	715	873												
	30,5	06		1645	1735	1680	1735	770	978												
	37,5	07	1820	1910	1855	1910	860	1153													
MH 6-25	11,5	04	2500	1330	1420	1365	1420	610	663	200	760	390	45	157	220	620	432	158,5	12	21	M24
	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	21	M24
	31	06		1890	1925	-	-	890	1143												
	39,5	07		2100	2135	-	-	995	1353												
MH 7-40	10	04	4000	1460	1495	-	-	675	713	240	900	475	50	186,5	270	710	530	178,5	15	25	M27
	16,5	05		1675	1710	-	-	785	928												
	24	06		1890	1925	-	-	890	1143												
	30,5	07	2100	2135	-	-	995	1353													
MH 7-50	10	04	5000	1537	1572	-	-	752	713	240	900	475	50	186,5	270	710	558	178,5	15	31	--
	16,5	05		1752	1787	-	-	862	928												
	24	06		1967	2002	-	-	967	1143												
	30,5	07	2177	2212	-	-	1072	1353													
MH 7-63	10	04	6300	1537	1572	-	-	752	713	240	900	475	50	186,5	270	710	558	178,5	15	31	--
	16,5	05		1752	1787	-	-	862	928												
	24	06		1967	2002	-	-	967	1143												
	30,5	07	2177	2212	-	-	1072	1353													

Stationary electric wire rope hoist - Reeving 2/1



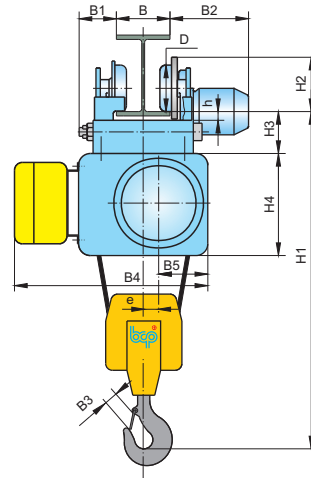
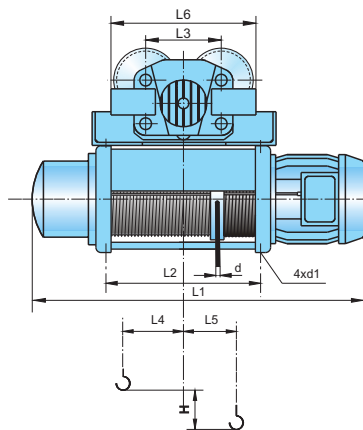
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																					
				L1				L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	d	d1	d2	e
				V1	V1/M1	V2	V2/M2																		
MH 3-05	6	01	1000	720	760	720	760	320	224	45	40	145													
	9,5	02		825	865	825	865	370	329	95															
	13	03		925	965	925	965	420	429	95															
	20	04		1125	1165	1125	1165	520	629	195															
	27	05		1325	1365	1325	1365	620	829	295															
MHM 4-05	36	05	1425	1495	1425	1495	670	841	307	74	240	650	325		127,5	199	184		366	90					
MHM 5-05	40,5	05	1530	1615	1560	1615	715	931	345																
51	06	1750	1835	1780	1835	825	1151	455																	
6	01	720	760	720	760	320	224	45																	
9,5	02	825	865	825	865	370	329	95																	
MH 3-08	13	03	1600	925	965	925	965	420	429	95	90	245		580	295		105	190,5	159	450	321	73			
	20	04		1125	1165	1125	1165	520	629	195															
	27	05		1325	1365	1325	1365	620	829	295															
	36	05		1425	1495	1425	1495	670	841	307															
	40,5	05		1530	1615	1560	1615	715	931	345															
MHM 4-10	51	06	2000	1750	1835	1780	1835	825	1151	455	79	240	650	325		127,5	199	184		366	90				
	6	01		720	760	720	760	320	224	45															
	9,5	02		825	865	825	865	370	329	95															
	13	03		925	965	925	965	420	429	95															
	20	04		1125	1165	1125	1165	520	629	195															
MHM 4-10	27	05	3200	1325	1365	1325	1365	620	829	295	74	240	650	325		127,5	199	184		366	96				
	36	05		1425	1495	1425	1495	670	841	307															
	40,5	05		1540	1630	1575	1630	715	873	316															
	45,5	06		1645	1735	1680	1735	770	978	367															
	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		127,5	199	184		366	86			
	8	02		980	1065	1010	1065	440	381	120															
	11	03		1090	1175	1120	1175	495	491	125															
	17	04		1310	1395	1340	1395	605	711	235															
	23	05		1530	1615	1560	1615	715	931	345															
MH 6-16	29,5	06	5000	1750	1835	1780	1835	825	1151	455	73	250	760	390		157	235	220		432	116				
	27,5	05		1540	1630	1575	1630	715	873	316															
	31,5	06		1645	1735	1680	1735	770	978	367															
	37,5	07		1820	1910	1855	1910	860	1153	455															
	7	02		1015	1105	1050	1105	445	348	104															
MH 6-25	10	03	5000	1120	1210	1155	1210	505	453	106	23	154		760	390		157	235	220		432	110			
	16,5	04		1330	1420	1365	1420	610	663	211															
	22,5	05		1540	1630	1575	1630	715	873	316															
	25,5	06		1645	1735	1680	1735	770	978	367															
	30,5	07		1820	1910	1855	1910	860	1153	455															
MH 7-25	33	06	8000	1890	1925	-	-	890	1143	408	104	340	900	475		186,5	290,5	270		530	162				
	40	07		2100	2135	-	-	995	1353	512															
	7,5	02		1140	1175	-	-	515	393	82															
	12	03		1300	1335	-	-	595	553	162															
	16,5	04		1460	1495	-	-	675	713	192															
MH 7-40	22,5	05	10000	1675	1710	-	-	785	928	300	104	340		900	475	56	186,5	290,5	270	840	558	157			
	28,5	06		1890	1925	-	-	890	1143	408															
	34,5	07		2100	2135	-	-	995	1353	512															
	7,5	02		1217	1252	-	-	592	393	82															
	12	03		1377	1412	-	-	672	553	162															
MH 7-50	16,5	04	12500	1537	1572	-	-	752	713	192	104	340		900	475	71	186,5	290,5	270	840	558	157			
	22,5	05		1752	1787	-	-	862	928	300															
	28,5	06		1967	2002	-	-	967	1143	408															
	34,5	07		2177	2212	-	-	1072	1353	512															
	7,5	02		1217	1252	-	-	592	393	82															
MH 7-63	12	03	12500	1377	1412	-	-	672	553	162	54	240		900	475	71	186,5	290,5	270	840	558	157			
	16,5	04		1537	1572	-	-	752	713	192															
	22,5	05		1752	1787	-	-	862	928	300															
	28,5	06		1967	2002	-	-	967	1143	408															
	34,5	07		2177	2212	-	-	1072	1353	512															

Stationary electric wire rope hoist - Reeving 4/2



Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																				
				L 1				L2	L3	Lo min	B1	B2	B3	B4	B6	B7	H1	H2	H4	D	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															
	7,5	03		1025	1095	1025	1095	470	441															
MHM 4-05	7,5	03		1310	1395	1340	1395	605	711		730	325		127,5	199	184		366	91			17	M20	35
MHM 5-05	15,5	04																	101					
MH 3-08	10	04	1600	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 4-10	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	2000	1540	1630	1575	1630	715	873	110	850	390	40	157	235	220	415	432	117	200	10	21	M24	38
	23	06		1645	1735	1680	1735	770	978															
	28	07		1820	1910	1855	1910	860	1153															
MHM 5-16	7	04	3200	1310	1395	1340	1395	605	711	155	730	325	50	127,5	199	184	415	366	101	200	10	17	M20	35
	11	05		1530	1615	1560	1615	715	931															
	14,5	06		1750	1835	1780	1835	825	1151															
MH 6-16	12,5	05	3200	1540	1630	1575	1630	715	873	155	850	390	50	157	235	220	415	432	117	200	10	21	M24	38
	15	06		1645	1735	1680	1735	770	978															
	18,5	07		1820	1910	1855	1910	860	1153															
MH 6-25	9,5	05	5000	1540	1630	1575	1630	715	873	200	850	390	56	157	235	220	565	432	117	240	12	21	M24	38
	11	06		1645	1735	1680	1735	770	978															
	14,5	07		1820	1910	1855	1910	860	1153															
MH 7-25	15,5	06	5000	1890	1925	-	-	890	1143	200	1000	475	56	186,5	290,5	270	565	530	128	240	12	25	M27	55
	19,5	07		2100	2135	-	-	995	1353															
MH 7-40	5	04	8000	1460	1495	-	-	675	713	240	1000	475	71	186,5	290,5	270	695	530	128	300	15	25	M27	55
	8	05		1675	1710	-	-	785	928															
	12	06		1890	1925	-	-	890	1143															
	15	07		2100	2135	-	-	995	1353															
MH 7-50	5	04	10000	1537	1572	-	-	752	713	240	1000	475	71	186,5	290,5	270	695	558	128	300	15	31	--	55
	8	05		1752	1787	-	-	862	928															
	12	06		1967	2002	-	-	967	1143															
	15	07		2177	2212	-	-	1072	1353															
MH 7-63	5	04	12500	1537	1572	-	-	752	713	240	1000	475	71	186,5	290,5	270	695	558	128	300	15	31	--	55
	8	05		1752	1787	-	-	862	928															
	12	06		1967	2002	-	-	967	1143															
	15	07		2177	2212	-	-	1072	1353															
MH 7-80	5	04	16000	1537	1572	-	-	752	713	240	1000	475	71	186,5	290,5	270	695	558	128	300	15	31	--	55
	8	05		1752	1787	-	-	862	928															
	12	06		1967	2002	-	-	967	1143															
	15	07		2177	2212	-	-	1072	1353															

Monorail trolley, standard headroom - Reeving 2/1

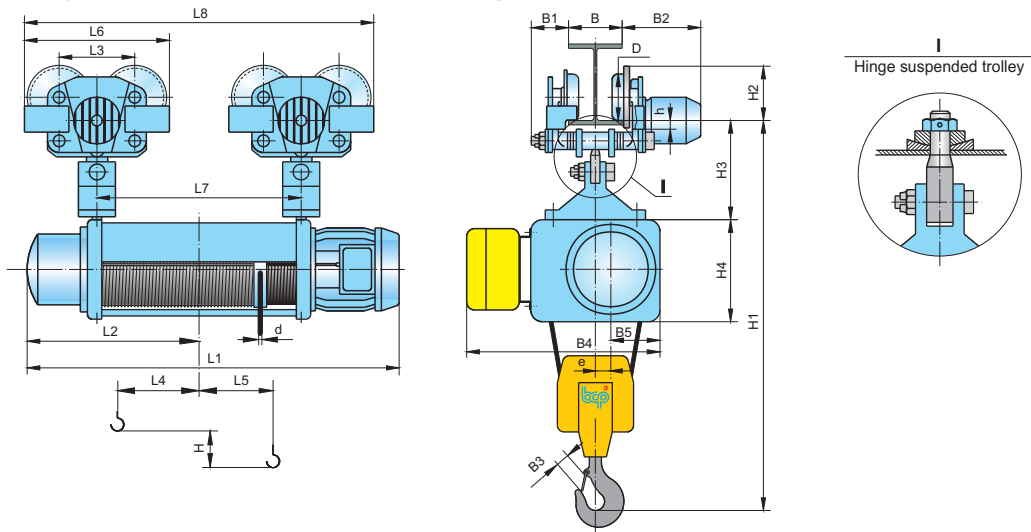


Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																						
				L1				L2	L3	L4	L5	L6	B	B1, max	B2, max	B3	B4	B5	H1	H2	H3	H4	D	d	e	h
				V1	V1/M1	V2	V2/M2																			
MH 3-05	6	01	1000	720	760	720	760	224	215	45	40	400	90 ... 130	100	310	34	580	159	901	132	130	321	100	7	50	45
	9,5	02		825	865	825	865	329																		
	13	03		925	965	925	965	429																		
MHM 4-10	5	01	2000	815	885	815	885	231	240	52	27	450	130 ... 150	115	360	40	650	184	1074	155	157,5	366	125	10	35	47,5
	8,5	02		925	995	925	995	341																		
	12	03		1025	1095	1025	1095	441																		
MHM 5-16	5	01	3200	860	945	890	945	261	240	60	29	450	130 ... 150	115	360	45	650	184	1144	155	157,5	366	125	12 (10)	35	47,5
	8	02		980	1065	1010	1065	381																		
	11	03		1090	1175	1120	1175	491																		
MH 6-25	7	02	5000	1015	1105	1050	1105	348	280	104	23	520	130 ... 150	120	365	50	760	220	1317	187	175	432	160	15 (13)	38	43
	10	03		1120	1210	1155	1210	453																		

Minimum railway radius - R_{min} , mm

Type	R_{min}^{**}
MH 3- ...	1500
MHM 4- ...	2500
MHM 5- ...	2500
MH 6- ...	3500

Monorail trolley, standard headroom - Reeving 2/1



Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																												
				L1				L2	L3	L4	L5	L6	L7	L8	B	B1, max	B2, max	B3	B4	B5	H1		H2	H3		H4	D	d	e	h		
				V1	V1/M1	V2	V2/M2														*	**		*	**					*	**	
MH 3-05	20	04	1000	1125	1165	1125	1165	520	215	195	90	400	629	1029	90 ... 130	100	310	34	580	159	939	986	132	168	215	321	100	7	50	45	46	
	27	05		1325	1365	1325	1365	620		295		829	1229																			
MHM 4-05	36	05		1425	1495	1425	1495	670	307	74	450	841	1291	130 ... 150	115	360	650		184	1012	1079	155	196	263	366	125	42,5		34,5			
MHM 5-05	40,5	05		1530	1615	1560	1615	715	240	345	931	1381	1151																	1601		
MHM 4-10	18,5	04		1225	1295	1225	1295	570	207	74	641	1091	650	184	1112	1179	366		125	10	35	42,5	34,5									
	25	05		1425	1495	1425	1495	670	307		841	1291																				
MH 6-10	33,5	05	1540	1630	1575	1630	715	240	316	450	873	1323	130 ... 150	115	360	40	760	220	1193	1260	155	196	278	432	125	10	35	42,5	34,5			
	38	06	1645	1735	1680	1735	770	367	73	978	1428	1153																		1603		
	45,5	07	1820	1910	1855	1910	860	455	1153	1603																						
MHM 5-16	17	04	1310	1395	1340	1395	605	235	79	711	1161	650	184	1182	1249	196	263	366	125	12	(10)	35	42,5	34,5								
	23	05	1530	1615	1560	1615	715	345		931	1381														1151	1601	873	1323	1153	1603		
	29,5	06	1750	1835	1780	1835	825	240		455	1151														1601	873	1323	1153	1603			
MH 6-16	27,5	05	1540	1630	1575	1630	715	240	316	450	873	1323	130 ... 150	115	360	45	760	220	1263	1330	155	211	278	432	125	10	35	42,5	34,5			
	31,5	06	1645	1735	1680	1735	770	367	73	978	1428	1153																		1603		
	37,5	07	1820	1910	1855	1910	860	455	1153	1603																						
MH 6-25	16,5	04	1330	1420	1365	1420	610	211	73	450	663	1113	130 ... 150	115	360	50	760	220	1353	1420	155	211	278	432	125	15	(13)	38	42,5	34,5		
	22,5	05	1540	1630	1575	1630	715	240		316	873	1323																			1153	1603
	25,5	06	1645	1735	1680	1735	770	367		73	978	1428																			1153	1603
	30,5	07	1820	1910	1855	1910	860	455		1153	1603																					
MH 7-25	33	06	1890	1925	-	-	890	280	408	104	520	1143	1663	120	365	900	270	1493	1600	187	253	360	530	160	45	44						
	40	07	2100	2135	-	-	995	512	1353	1873																						
MH 7-40	12	03	1300	1335	-	-	595	280	162	54	553	1073	130 ... 150	120	365	56	900	270	1623	1730	187	253	360	530	160	18	(15)	55	45	44		
	16,5	04	1460	1495	-	-	675		192	713	1233																					
	22,5	05	1675	1710	-	-	785		300	928	1448																					
	28,5	06	1890	1925	-	-	890		408	1143	1663																					
	34,5	07	2100	2135	-	-	995		512	1353	1873																					
MH 7-50	12	03	1377	1412	-	-	672	280	162	54	553	1073	130 ... 150	120	365	71	900	270	1723	1830	187	253	360	558	160	18	(15)	55	45	44		
	16,5	04	1537	1572	-	-	752		192	713	1233																					
	22,5	05	1752	1787	-	-	862		300	928	1448																					
	28,5	06	1967	2002	-	-	967		408	1143	1663																					
	34,5	07	2177	2212	-	-	1072		512	1353	1873																					
	40,5	08	2387	2422	-	-	1177		617	1563	2083																					

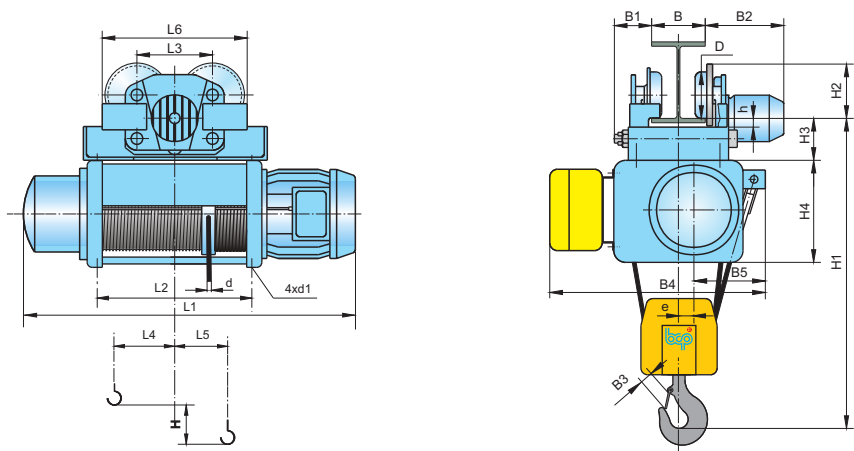
Minimum railway radius - R_{min} , mm

Type	R_{min}^{**}
MH 3- ...	1500
MHM 4- ...	2500
MHM 5- ...	2500
MH 6- ...	2500
MH 7- ...	3500

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

Monorail trolley, standard headroom - Reeving 4/1

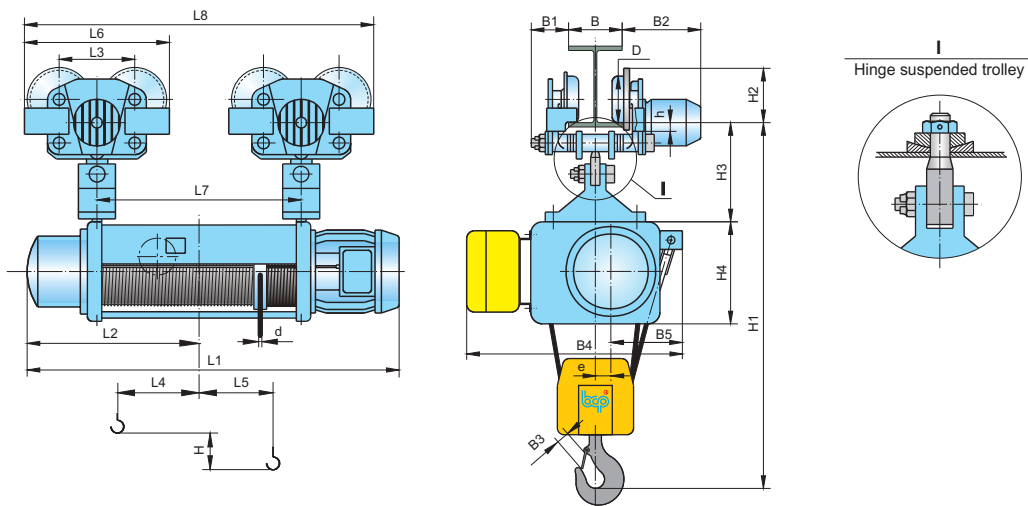


Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																						
				L1				L2	L3	L4	L5	L6	B	B1, max	B2, max	B3	B4	B5	H1	H2	H3	H4	D	d	e	h
				V1	V1/M1	V2	V2/M2																			
MH 3-05	6,5	03	2000	925	965	925	965	429	240	90	45	450	90 ... 130	115	360	40	650	229,5	894	155	157,5	321	125	7	25	42,5
MHM 4-10	6	03	4000	1025	1095	1025	1095	441	240	65	25	450	130 ... 150	115	360	50	730	254	1049	155	157,5	366	125	10	15	42,5
MHM 5-16	5,5	03	6300	1090	1175	1120	1175	491	280	67	35	520	130 ... 150	120	365	56	730	254	1106	187	175	366	160	12 (10)	15	43

Minimum railway radius - R_{min}, mm

Type	R _{min} **
MH 3- ...	2500
MHM 4- ...	2500
MHM 5- ...	3500

Monorail trolley, standard headroom - 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	L8	B	B1, max	B2, max	B3	B4	B5	H1		H2	H3		H4	D	d	e	h																
				V1	V1/M1	V2	V2/M2														*	**		*	**																					
				V1	V1/M1	V2	V2/M2	*	**	*	**																																			
MH 3-05	10	04	2000	1125	1165	1125	1165	520	215	190	-45	400	629	1029	90 ... 130	100	310		650	229,5	904	951	132	168	215	321	100	7	25	45	46															
	13,5	05		1325	1365	1325	1365	620		290	-95	829	1229																																	
MHM 4-05	18	05		1425	1495	1425	1495	670		307	-115		841	1291	130 ... 150	115	360		730	254	977	1044	155	196	263	366	125	15	42,5	34,5																
	20	05		1530	1615	1560	1615	715	240	345	-130	450	931	1381																																
MHM 5-05	25,5	06		1750	1835	1780	1835	825		455	-185		1151	1601	130 ... 150	115	360		730	254	977	1044	155	196	263	366	125	15	42,5	34,5																
MHM 4-10	9	04		4000	1225	1295	1225	1295	570	240	165	-25		641	1091	130 ... 150	115	360		730	254	1087	1154	155	196	263	366	125	10	15																
	12,5	05			1425	1495	1425	1495	670		265	-75	841	1291																																
MH 6-10	16,5	05	1540		1630	1575	1630	715	240	316	-120	450	873	1323	130 ... 150	120	365		850	309	1190	1235	155	233	278	432	125	14	42,5	34,5																
	19	06	1645		1735	1680	1735	770	367	-145		978	1428																																	
	22,5	07	1820		1910	1855	1910	860		455	-190		1153	1603	130 ... 150	120	365		850	309	1190	1235	155	233	278	432	125	14	42,5	34,5																
MHM 5-16	8,5	04	6300		1310	1395	1340	1395	605	240	177	-20		711	1161	130 ... 150	115	360		730	254	1127	1194	155	196	236	366	125	12 (10)	15																
	11,5	05			1530	1615	1560	1615	715		287	-70	931	1381																																
	14,5	06		1750	1835	1780	1835	825		297	-125		1151	1601	130 ... 150	120	365		730	254	1127	1194	155	196	236	366	125	14	42,5	34,5																
	13,5	05		1540	1630	1575	1630	715	316	-120	873	1323																																		
MH 6-16	15,5	06		1645	1735	1680	1735	770		367	-145		978	1428	130 ... 150	120	365		850	309	1230	1275	155	233	278	432	125	14	42,5	34,5																
	18,5	07		1820	1910	1855	1910	860	455	-190		1153	1603																																	
MH 6-25	5	03		10000	1120	1210	1155	1210	505	280	29	61		453	973	130 ... 150	120	365	71	850	309	1360	1467	187	233	340	432	160	15 (13)	14	45	44														
	8	04			1330	1420	1365	1420	610		134	8	663	1183																																
	11	05	1540		1630	1575	1630	715	239		-44	873	1393																																	
	12,5	06	1645		1735	1680	1735	770	291		-71	978	1498																																	
MH 7-25	15	07	1820		1910	1855	1910	860			1153	1673	130 ... 150	120	365							71	850										309	1360	1467	187	233	340	432	160	15 (13)	14	45	44		
	16,5	06	1890		1925	-	-	890	408		-150	1143																						1663												
	20	07	2100		2135	-	-	995			512	-202		1353	1873							130 ... 150	120										365	71	1000	369	1478	1585	253	360	530	18 (15)	23	45	44	
MH 7-32	8	04	12500	1460	1495	-	-	675	280	102	46	520	713	1233	130 ... 150	120	365	71	1000	369	1608	1715	187	253	360	530	160	18 (15)	23	45	44															
	11	05		1675	1710	-	-	785		210	-8		928	1448																																
MH 7-40	8	04		1460	1495	-	-	675	354	102	46	740	713	1453	130 ... 150	160	365	71	1000	369	1790	-	335	405	-	530	250	18 (15)	23	60	-															
	11	05		1675	1710	-	-	785		210	-8		928	1668																																
	14	06		1890	1925	-	-	890		318	-62		1143	1883																																
	17	07		2100	2135	-	-	995		422	-114		1353	2098																																
MH 7-50	8	04		20000	1537	1572	-	-	752	354	102	46	740	713	1453	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18 (15)	23	60	-														
	11	05			1752	1787	-	-	862		210	-8		928	1668																															
	14	06	1967		2002	-	-	967	318		-62	1143		1883																																
	17	07	2177		2212	-	-	1072	422		-114	1353		2098																																
MH 7-63	8	04	25000		1537	1572	-	-	752	354	102	46	740	713	1453	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18 (15)	23	60	-														
	11	05			1752	1787	-	-	862		210	-8		928	1668																															
	14	06			1967	2002	-	-	967		318	-62		1143	1883																															
	17	07			2177	2212	-	-	1072		422	-114		1353	2098																															

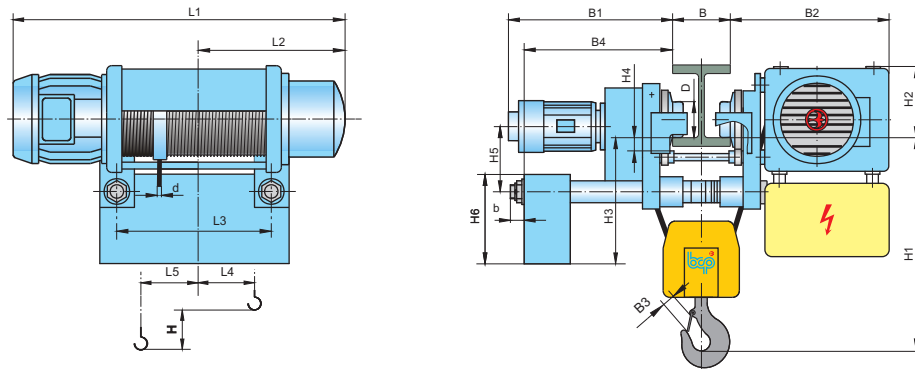
Minimum railway radius - R_{min} , mm

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

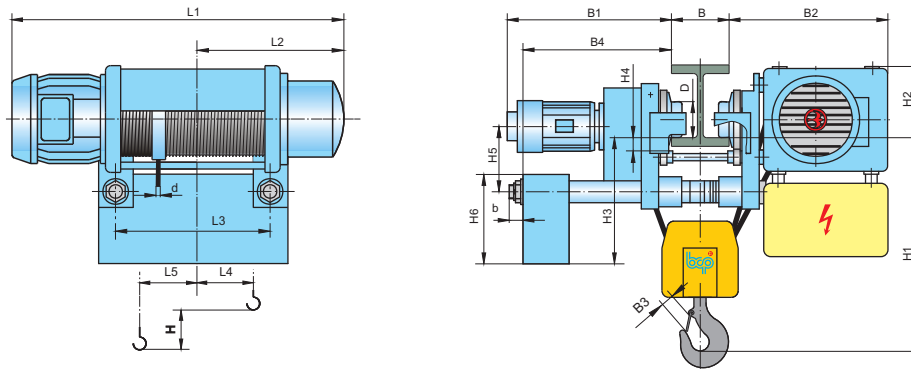
Type	$R_{\min}^{**}$
MH 3- ...	1500
MHM 4- ...	2500
MHM 5- ...	2500
MH 6- ...	2500
MH 7- ...	3500

Monorail trolley, reduced headroom - Reeving 2/1



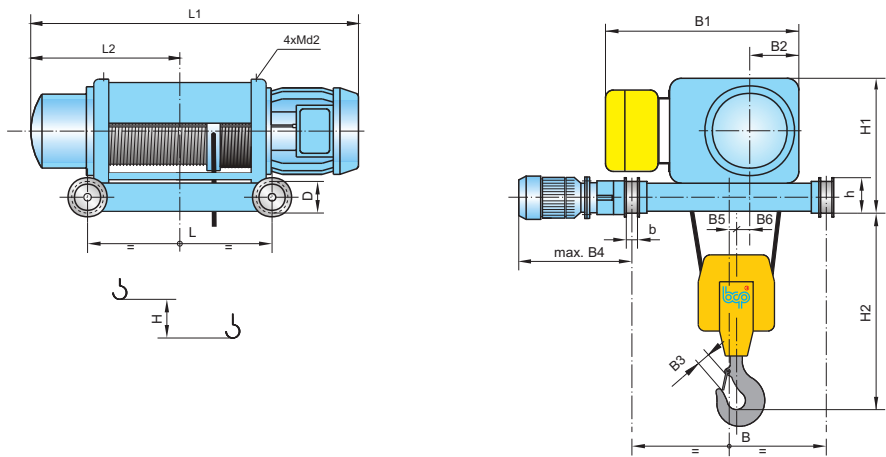
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																						
				L1				L2	L3	L4	L5	B	B1	B2	B3	B4	H1	H2	H3	H4	H5	H6	D	b	d	
				V1	V1/M1	V2	V2/M2																			
MH 3-05	6	01	1000	720	760	720	760	320	224	52	32	100 ... 170 171 ... 240 241 ... 300	500	460	34	500	615	164	440	35	233	310	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	87															
	27	05		1325	1365	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	515	511	40	485	680	204	447	35,5	240	310	125	27	10	
	8,5	02		925	995	925	995	420	341	105																
	12	03		1025	1095	1025	1095	470	441	110	79															
	18,5	04		1225	1295	1225	1295	570	641	175	114															
	25	05		1425	1495	1425	1495	670	841	275																
MHM 5-16	5	01	3200	860	945	890	945	380	261	65	29	100 ... 170 171 ... 240 241 ... 300	515	511	45	485	745	204	447	35,5	240	310	125	32	12 (10)	
	8	02		980	1065	1010	1065	440	381	125																
	11	03		1090	1175	1120	1175	495	491	142	67															
	17	04		1310	1395	1340	1395	605	711	162																
	23	05		1530	1615	1560	1615	715	931	272	157															
	29,5	06		1750	1835	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	550	605	50	490	920	257	465	38	255	310	160	32	15 (13)
		10	03		1120	1210	1155	1210	505	453	90	90														
		16,5	04		1330	1420	1365	1420	610	663	143															
		22,5	05		1540	1630	1575	1630	715	873	248	142														
25,5		06	1645		1735	1680	1735	770	987	300																
MH 7-40	30,5	07		1820	1910	1855	1910	860	1153	388																
	7,5	02	8000	1140	1175	-	-	515	393	75	50	100 ... 170 171 ... 240 241 ... 300	575	744	56	665	1050	316	512	60	303	310	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	928	248	118															
	28,5	06		1890	1925	-	-	890	1143	382																
	34,5	07		2100	2135	-	-	995	1353	487																

Monorail trolley, reduced headroom - Reeving 4/1



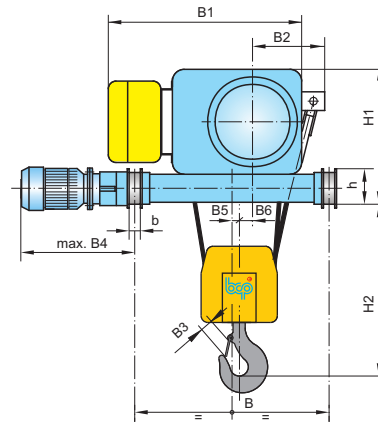
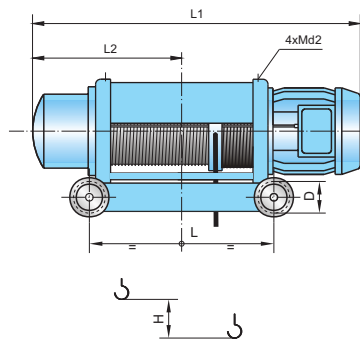
Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																					
				L1				L2	L3	L4	L5	B	B1	B2	B3	B4	H1	H2	H3	H4	H5	H6	D	b	d
				V1	V1/M1	V2	V2/M2																		
MH 3-05	6,5	03	2000	925	965	925	965	420	429	45,5	41	100 ... 170	500	460	40	510	615	164	440	35	233	310	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	925	965	420	429	45,5	41	100 ... 170	500	470	45	490	625	164	440	35	233	310	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													
MHM 4-10	6	03	4000	1025	1095	1025	1095	470	441	29	54	100 ... 170	515	511	50	485	660	204	447	35,5	240	310	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 5-16	5,5	03	6300	1090	1175	1120	1175	495	491	25	67	100 ... 170	525	527	56	490	700	198	465	38	255	310	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														
MH 6-25	5	03	10000	1120	1210	1155	1210	505	453	-34	112	100 ... 170 171 ... 240 241 ... 300	550	626	71	495	830	225	495	60	286	310	200	35	15 (13)
	8	04		1330	1420	1365	1420	610	663	71	60														
	11	05		1540	1630	1575	1630	715	873	176	7														
	12,5	06		1645	1735	1680	1735	770	978	228	-19														
	15	07		1820	1910	1855	1910	860	1153	315	-62														
MH 7-40	8	04	16000	1460	1495	-	-	675	713	38	100	100 ... 170 171 ... 240 241 ... 300	575	766	71	730	960	303	525	68	308	310	250	35	18 (15)
	11	05		1675	1710	-	-	785	928	128	62														
	14	06		1890	1925	-	-	890	1143	236	8														
	17	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	B	B1	B2	B3	B4	B5	B6	H1	H2	b	D	h
					V1	V1/M1	V2	V2/M2													
MHM 4-10	5	01	2000	431	815	885	815	885	365	1000	650	184	40	480	-1	35	525	550	50	160	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 5-16	8	02	3200	461	860	945	890	945	380	1000	650	184	45	480	-3	35	525	620	50	160	175
	11	03		581	980	1065	1010	1065	440												
	17	04		691	1090	1175	1120	1175	495												
	23	05		911	1310	1395	1340	1395	605												
	29,5	06		1131	1530	1615	1560	1615	715												
MH 6-25	7	02	5000	548	1015	1105	1050	1105	445	1000	760	220	50	480	1	38	590	710	50	160	175
	10	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 7-40	7,5	02	8000	673	1140	1175	-	-	515	1200	900	270	56	760	-4	55	740	840	60	200	215
	12	03		833	1300	1335	-	-	595												
	16,5	04		993	1460	1495	-	-	675												
	22,5	05		1108	1675	1710	-	-	785												
	28,5	06		1423	1890	1925	-	-	890												
	34,5	07		1633	2100	2135	-	-	995												

Double rail trolley - Reeving 4/1



Type	Lifting height, H, m	Size of drums, table 1	Capacity, kg	General dimensions, mm																	
				L	L1				L2	B	B1	B2	B3	B4	B5	B6	H1	H2	b	D	h
					V1	V1/M1	V2	V2/M2													
MHM 4-10	6	03	4000	641	1025	1095	1025	1095	470	1000	730	254	50	480	27	15	525	505	50	160	175
	9	04		841	1225	1295	1225	1295	570												
	12,5	05		1041	1425	1495	1425	1495	670												
MHM 5-16	5,5	03	6300	691	1090	1175	1120	1175	495	1000	730	254	56	480	27	15	525	545	50	160	175
	8,5	04		911	1310	1395	1340	1395	605												
	11,5	05		1131	1530	1615	1560	1615	715												
MH 6-25	5	03	10000	653	1120	1210	1155	1210	505	1000	850	309	71	480	23	14	590	685	50	160	175
	8	04		863	1330	1420	1365	1420	610												
	11	05		1073	1540	1630	1575	1630	715												
MH 7-40	12,5	06	16000	1178	1645	1735	1680	1735	770	1200	1000	369	71	760	22	23	740	765	60	200	215
	8	04		993	1460	1495	-	-	675												
	11	05		1208	1675	1710	-	-	785												
	14	06		1423	1890	1925	-	-	890												
	17	07		1633	2100	2135	-	-	995												







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