

ELECTRIC WIRE ROPE HOISTS

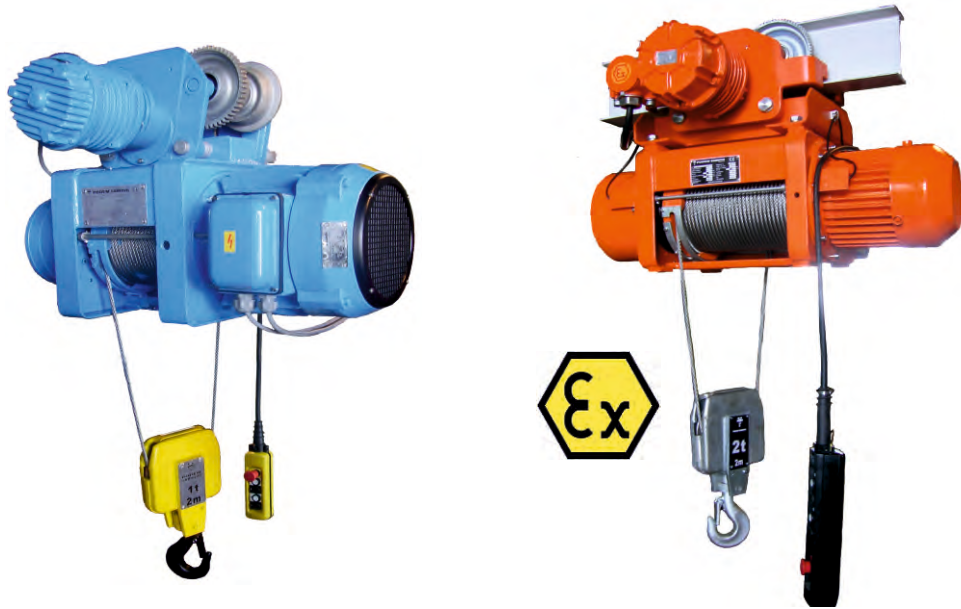
MT SERIES



PODEM GABROVO LTD.

HOISTS & CRANE COMPONENTS

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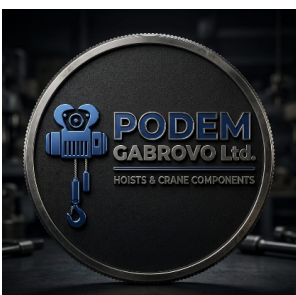
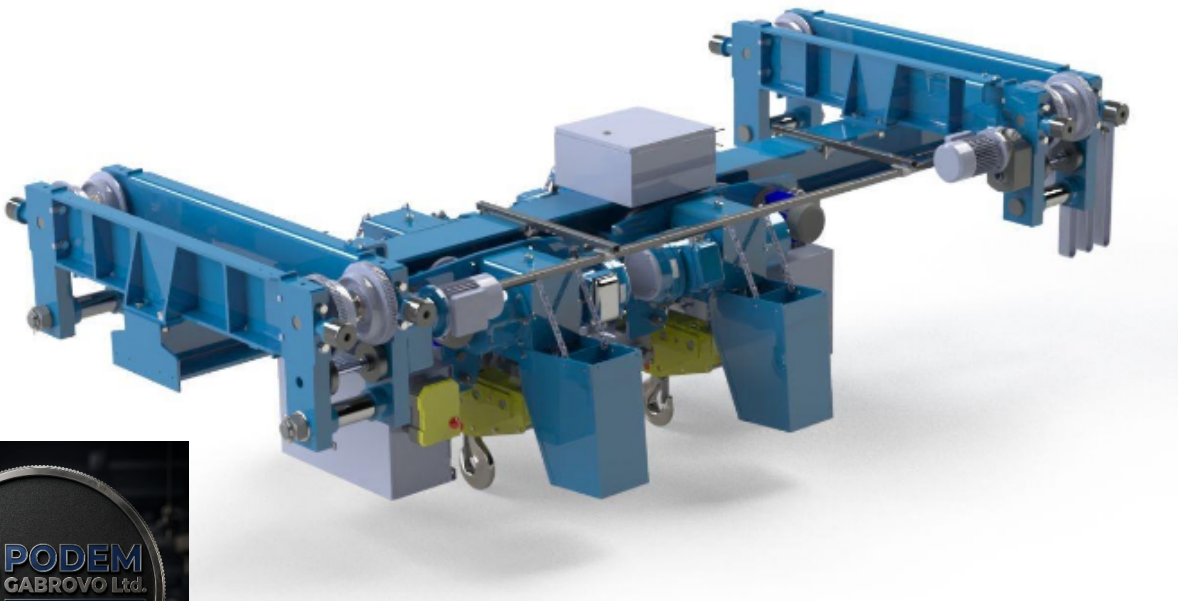
Electric Wire Rope hoists type MT

The MT-series rope electric hoists offer the customer new opportunities for efficient operation.

Reliability, long life, convenience and safety of operation are main features of these products.

The wide range of capacities, lifting heights, lifting and travel speeds, different constructive modifications, various operation modes provides effective applicability of the series in nearly all industrial fields.

The Hoist construction is based on the module principle and consists of separate blocks. The modern technological and production equipment ensures high quality of hoist units and details.





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JIB CRANE

Our jib cranes can be equipped with electric wire rope hoists, electric chain hoists, and manual chain hoists. They provide flexible crane solutions suitable for different lifting needs.



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

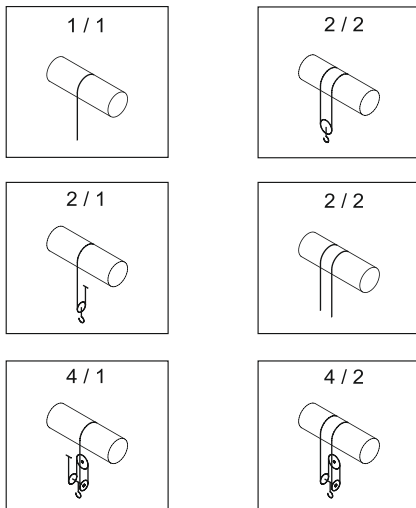
Loading capacity **- 5000 kg**
 Average lifting path of the hook (H) **- 6 m**
 Hoisting speed (V) **- 8 m/min**
 Reeving **- 2/1**
 Load spectrum **- "medium"**
 Cycles per hour (N) **- 20**
 Average operating time per day (T) **- 7 hours**

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

$$T_m = \frac{2 \times H \times N \times T}{60 \times V} = \frac{2 \times 6 \times 20 \times 7}{60 \times 8} = 3.5 \text{ hours}$$

For the "medium" load spectrum and average operating time per day of 3.5 hours the group "2m" is shown in table "LOAD SPECTRUM-CLASS OF OPERATING TIME".

For loading capacity of 5000 kg and 2/1 reeving the type of the hoist "MT 625" or "MT 725" 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	MT 3 MT 4 MT 5	-	-	MT 304 MT 404 MT 504
500	1000	2000		-	MT 305 MT 405 MT 505	-
800	1600	3200	MT 3 MT 4 MT 6	MT 308	-	MT 408 MT 608
1000	2000	4000		-	MT 410 MT 610	-
1250	2500	5000	MT 5	-	-	MT 512 MT 612
1600	3200	6300	MT 6	-	MT 516 MT 616	-
2000	4000	8000	MT 6 MT 7	-	-	MT 620 MT 720
2500	5000	10000		-	MT 625 MT 725	-
3200	6300	12500		-	MT 732	-
4000	8000	16000	MT 7	MT 740	-	-
5000	10000	20000		-	MT 750	-
6300	12500	25000		MT 763	-	-

Type selection

Table 1

Capacity, kg	Hoist size	DIN 15020 FEM 9,511	ISO 4301	REEVING	Drum Size								Lifting speed, m/min	
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2
					Lifting height H, m									
400	MT304	3m	M6	1/1	12	19	26	40,5	54,5	-	-	-	16 16/4	24 24/4
	MT404				-	-	-	-	73	-	-	-		
	MT504				-	-	-	-	81	102	-	-		
	MT304			2/2	-	-	11	20,5	29,5	-	-	-		
	MT404				-	-	15	-	-	-	-	-		
	MT504				-	-	-	31,5	-	-	-	-		
500	MT305	2m	M5	1/1	12	19	26	40,5	54,5	-	-	16 16/4	24 24/4	
	MT405				-	-	-	-	73	-	-			-
	MT505				-	-	-	-	81	102	-			-
	MT305			2/2	-	-	11	20,5	29,5	-	-			-
	MT405				-	-	15	-	-	-	-			-
	MT505				-	-	-	31,5	-	-	-			-
800	MT308	1Am	M4	1/1	12	19	26	40,5	54,5	-	-	16 16/4	-	
	MT408	3m	M6		10	17	24	37	50,5	-	-		24 24/4	
	MT608				-	-	-	-	67	76	91,5		-	
	MT308	1Am	M4	2/2	-	-	11	20,5	29,5	-	-		-	
	MT408	3m	M6		-	-	10	19,5	29	-	-		-	24 24/4
	MT608				-	-	-	-	39,5	46,5	56,5		-	
	MT304	3m	M6	2/1	6	9,5	13	20	27	-	-	8 8/2	12 12/2	
	MT404				-	-	-	-	36	-	-			-
	MT504				-	-	-	-	40,5	51	-			-
	MT304			4/2	-	-	10	14,5	-	-	-			
	MT404				-	-	7,5	-	-	-	-			
	MT504				-	-	-	15,5	-	-	-			-
1000	MT410	2m	M5	1/1	10	17	24	37	50,5	-	-	16 16/4	24 24/4	
	MT610				-	-	-	-	67	76	91,5			-
	MT410				-	-	10	19,5	29	-	-			-
	MT610			2/2	-	-	-	-	39,5	46,5	56,5			-
	MT305				2/1	6	9,5	13	20	27	-			-
	MT405					-	-	-	-	36	-			-
	MT505			-		-	-	-	40,5	51	-	-		
	MT305			4/2	-	-	10	14,5	-	-	-			
	MT405				-	-	7,5	-	-	-	-			
	MT505				-	-	-	15,5	-	-	-			
MT505	-	-	-		15,5	-	-	-						
1250	MT512	3m	M6	1/1	10 (12,5)	16 (21)	22,5 (29)	34,5 (44,5)	46,5 (60)	59 (76)	-	16 16/4	24 24/4	
	MT612				-	-	-	-	55,5 (67)	63 (76)	75,5 (91,5)			-
	MT512			2/2	-	-	7	14,5	22	29	-			-
	MT612				-	-	-	-	25,5	30,5	37,5			-



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Table 1 - cont'd

Capacity, kg	Hoist size	DIN 15020 FEM 9.511	ISO 4301	REEVING	Drum Size								Lifting speed, m/min	
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2
					Lifting height H, m									
1600	MT516	2m	M5	1/1	10 (12,5)	16 (21)	22,5 (29)	34,5 (44,5)	46,5 (60)	59 (76)	-	-	16 16/4	24 24/4
	MT616				-	-	-	-	55,5 (67)	63 (76)	75,5 (91,5)	-		
	MT516			2/2	-	-	7	14,5	22	29	-	-		
	MT616				-	-	-	-	25,5	30,5	37,5	-		
	MT308	1Am	M4	2/1	6	9,5	13	20	27	-	-	-	8 8/2	-
	MT408	3m	M6		5	8,5	12	18,5	25	-	-	-		
	MT608			-	-	-	-	33,5	38	45,5	-	-		
	MT308	1Am	M4	4/2	-	-	-	10	14,5	-	-	-	8 8/2	-
	MT408	3m	M6		-	-	-	9,5	14,5	-	-	-		
	MT608			-	-	-	-	19,5	23	28	-	-		
	MT304			4/1	-	-	6,5	10	13,5	-	-	-	-	
	MT404				-	-	-	-	18	-	-	-	-	
MT504	-	-	-		-	20	25,5	-	-	-				
2000	MT620	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
	MT720				-	-	-	-	-	66,5 (76,5)	80 (92)	-		
	MT620			2/2	-	-	-	11,5	19	22,5	29	-		
	MT720				-	-	-	-	-	31	39,5	-		
	MT410	2m	M5	2/1	5	8,5	12	18,5	25	-	-	-	8 8/2	12 12/2
	MT610				-	-	-	-	33,5	38	45,5	-		
	MT410			4/2	-	-	-	9,5	14,5	-	-	-		
	MT610				-	-	-	-	19,5	23	28	-		
	MT305	4/1	-	-	6,5	10	13,5	-	-	-	-	4 4/1	6 6/1	
	MT405		-	-	-	-	18	-	-	-				
	MT505		-	-	-	-	20	25,5	-	-	-			
	2500	MT625	2m	M5	1/1	-	14,5 (17)	20,5 (24)	33 (38)	45 (52,5)	51 (59,5)	61 (71)	-	16 16/4
MT725		-				-	-	-	-	66,5 (76,5)	80 (92)	-		
MT625		2/2			-	-	-	11,5	19	22,5	29	-		
MT725					-	-	-	-	-	31	39,5	-		
MT512		3m	M6	2/1	5 (6)	8 (10,5)	11 (14,5)	17 (22)	23 (30)	29,5 (38)	-	-	8 8/2	12 12/2
MT612					-	-	-	-	27,5 (33)	31,5 (38)	37,5 (45,5)	-		
MT512				4/2	-	-	-	7	11	14,5	-	-		
MT612					-	-	-	-	12,5	15	18,5	-		
3200	MT732	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	-
	MT516				-	-	-	10	16,5	24	30,5	-		
	MT616			2/1	5 (6)	8 (10,5)	11 (14,5)	17 (22)	23 (30)	29,5 (38)	-	-		
	MT516				-	-	-	-	27,5 (33)	31,5 (38)	37,5 (45)	-		
	MT616	4/2	-	-	-	7	11	14,5	-	-	8 8/2	12 12/2		
	MT616		-	-	-	-	12,5	15	18,5	-				
	MT308	1Am	M4	4/1	-	-	6,5	10	13,5	-	-	-	4 4/1	-
	MT408	3m	M6		-	-	6	9	12,5	-	-	-		
MT608	-				-	-	-	16,5	19	22,5	-			

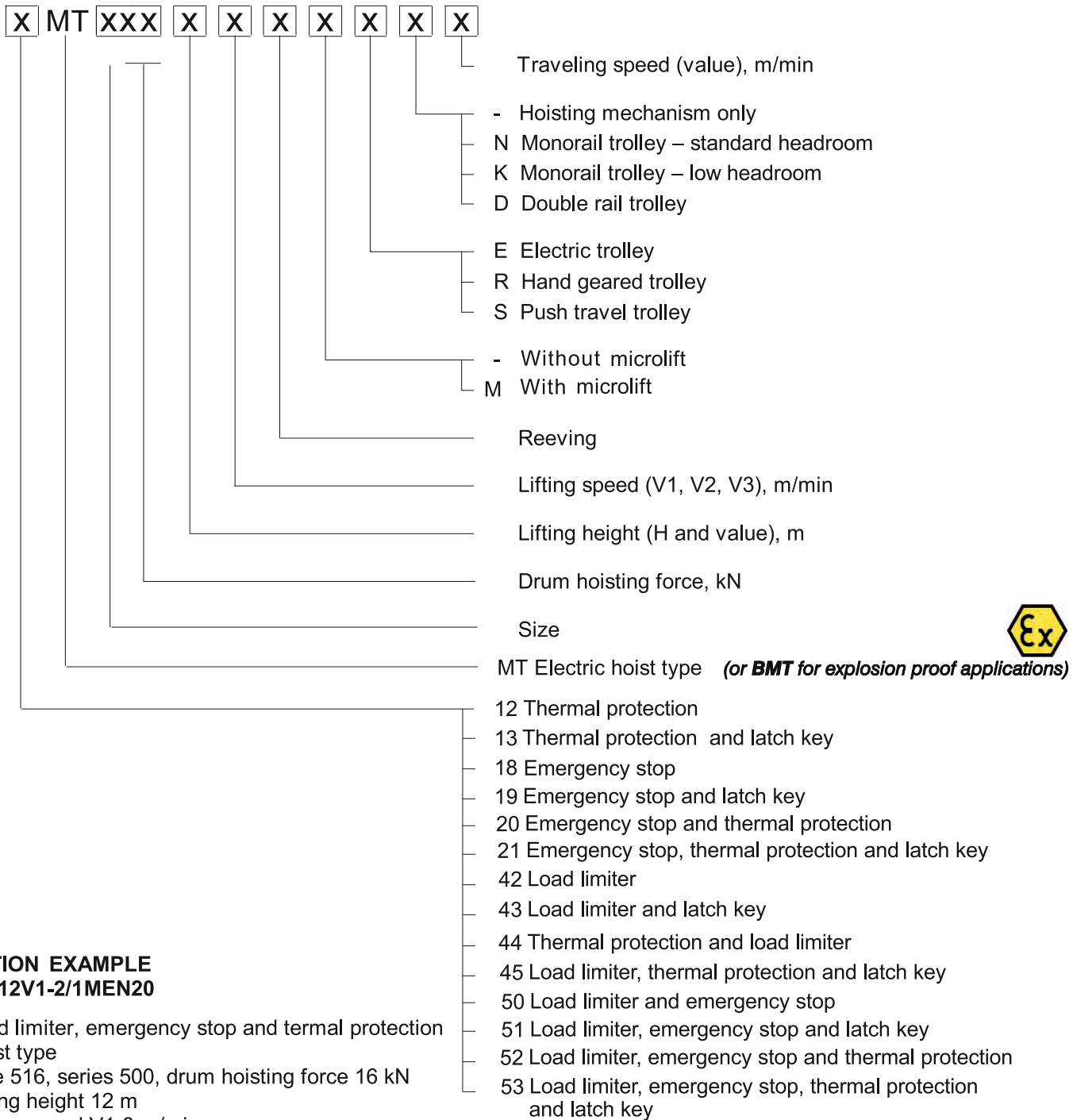
Table 1 - cont'd

Capacity, kg	Hoist size	DIN 15020 FEM 9.511	ISO 4301	REEVING	Drum Size								Lifting speed, m/min	
					01	02	03	04	05	06	07	08	V1 V1/M1	V2 V2/M2
					Lifting height, m									
4000	MT 740	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	-		
	MT620	3m	M6	2/1	-	7 (8,5)	10 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35,5)	-	8 8/2	12 12/2
					-	-	-	-	-	33 (38)	40 (46)	-		
				4/2	-	-	-	-	9,5	11	14,5	-		
					-	-	-	-	-	15,5	19,5	-		
MT410	2m	M5	4/1	-	-	6	9	12,5	-	-	-	4 4/1	6 6/1	
				-	-	-	-	16,5	19	22,5	-			
5000	MT 750	2m	M5	1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-	12,5 12,5/3,2	-
				2/2	-	-	-	10	16,5	24	30,5	-		
	MT625	2m	M5	2/1	-	7 (8,5)	10 (12)	16,5 (19)	22,5 (26)	25,5 (29,5)	30,5 (35,5)	-	8 8/2	12 12/2
					-	-	-	-	-	33 (38)	40 (46)	-		
				4/2	-	-	-	-	9,5	11	14,5	-		
					-	-	-	-	-	15,5	19,5	-		
MT 512	3m	M6	4/1	-	-	5,5 (7)	8,5 (11)	11,5 (15)	14,5 (19)	-	-	4 4/1	6 6/1	
				-	-	-	-	13,5 (16,5)	15,5 (19)	18,5 (22,5)	-			
6300	MT 763	1Am	M4	1/1	-	15 (17,5)	24 (28)	33,5 (38)	45,5 (52)	57,5 (66)	69,5 (79,5)	-	10,5 10,5/2,6	-
				2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-		
	MT 732	2m	M5	4/2	-	-	-	5	8	12	15	-	8 8/2	12 12/2
				-	-	5,5 (7)	8,5 (11)	11,5 (15)	14,5 (19)	-	-			
MT 516	3m	M6	4/1	-	-	-	-	13,5 (16,5)	15,5 (19)	18,5 (22,5)	-	4 4/1	6 6/1	
MT 616				-	-	-	-	13,5 (16,5)	15,5 (19)	18,5 (22,5)	-			
8000	MT 740	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	12 12/2
				4/2	-	-	-	5	8	12	15	-		
	MT 620	3m	M6	4/1	-	-	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	-	4 4/1	6 6/1
MT 720	-				-	-	-	-	16,5 (19)	20 (23)	-			
10000	MT 750	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	12 12/2
				4/2	-	-	-	5	8	12	15	-		
	MT625	3m	M6	4/1	-	-	5 (6)	8 (9,5)	11 (13)	12,5 (14,5)	15 (17,5)	-	4 4/1	6 6/1
MT 725	-				-	-	-	-	16,5 (19)	20 (23)	-			
12500	MT 763	2m	M5	2/1	-	7,5 (8,5)	12 (14)	16,5 (19)	22,5 (26)	28,5 (33)	34,5 (39,5)	-	6 6/1,5	9 9/1,5
	MT 732	2m	M5	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	-	4 4/1	6 6/1
16000	MT 740	2m	M5	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	-	4 4/1	6 6/1
20000	MT 750	2m	M5	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	19,5 (23)	4 4/1	6 6/1
25000	MT 763	2m	M5	4/1	-	-	-	8 (9,5)	11 (13)	14 (16,5)	17 (19,5)	19,5 (23)	3 3/0,75	4,5 4,5/1,25
32000	MT 780	1Am	M4	4/1	-	-	-	6,5	9	11,5	14	16	2 2/0,5	3 3/0,5

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

Other special modifications according to different custom made solutions with regards to greater lifting heights, duty groups, lifting or travel speeds and etc. are also possible.

TYPE DESIGNATION



DESIGNATION EXAMPLE 52MT516H12V1-2/1MEN20

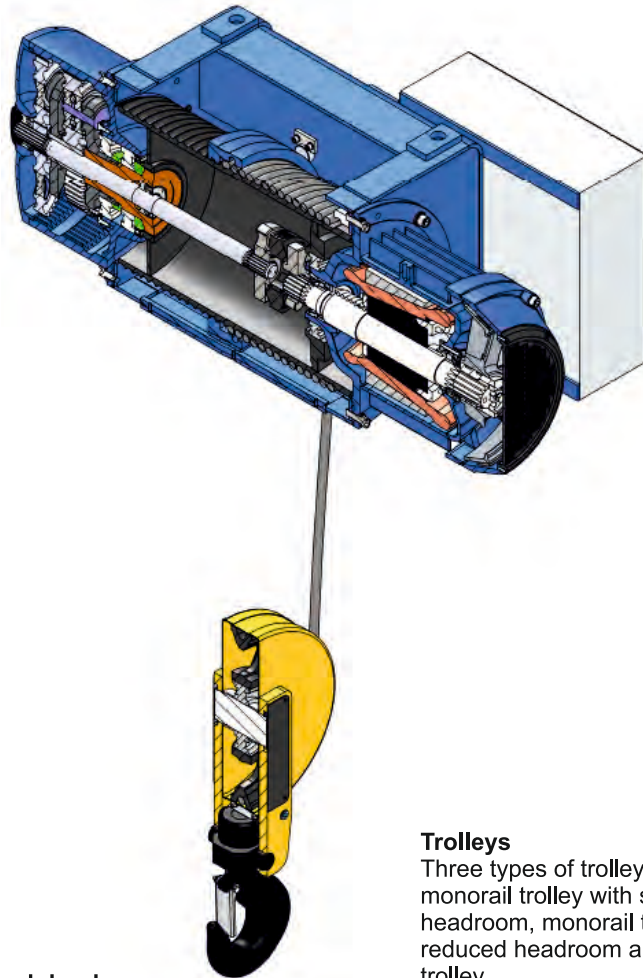
- 52 - Load limiter, emergency stop and thermal protection
- MT - Hoist type
- 516 - Size 516, series 500, drum hoisting force 16 kN
- H12 - Lifting height 12 m
- V1 - Lifting speed V1-8 m/min
- 2/1 - Reeving 2/1
- M - Microlift
- E - Electric trolley
- N - Monorail trolley – standard headroom
- 20 - Traveling speed 20 m/min

Travelling speeds

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



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

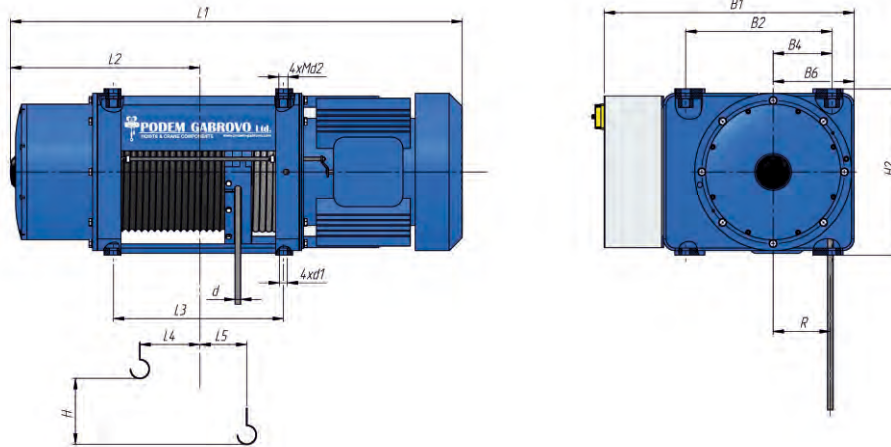
Three types of trolleys are available: monorail trolley with standard headroom, monorail trolley with reduced headroom and double rail trolley.

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

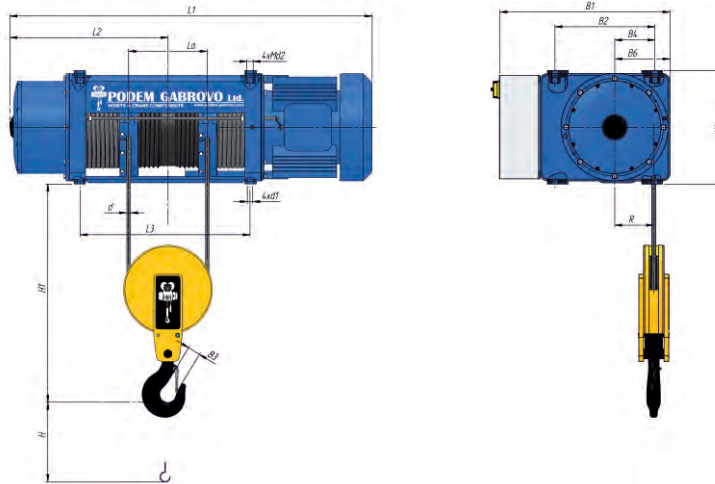
Power circuit voltage and frequency are at purchaser's request. Control voltage to relays and contactors is 24 or 42V, frequency 50 and 60Hz. The most part of electric equipment is assembled in command box, fastened to the body or to other appropriate part. Terminal box of the motor holds end limit switch.

Stationary electric wire rope hoist - Reeving 1/1



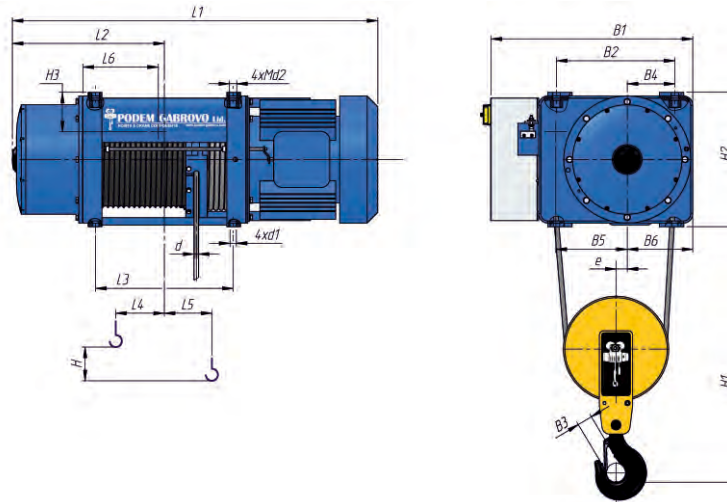
Type	Lifting height, H, m	Weight, kg V1/V2 / V1/M1, V2/M2	Capacity, kg	General dimensions, mm																								
				L1				L2	L3	L4	L5	B1	B2	B4	B6	H2	R	d	d1	d2								
				V1	V1/M1	V2	V2/M2																					
MT 305	12	105/125	500	720	760	720	760	320	224	93	77	580	295	105	159	321	90	7	15	M14								
	19	110/135		825	865	825	865	370	329	145	130																	
	26	118/140		925	965	925	965	420	429	195	180																	
	40,5	130/155		1125	1165	1125	1165	520	629	295	280																	
54,5	145/165	1325		1365	1325	1365	620	829	395	380																		
72,5	275/320	1425		1495	1425	1495	670	841	393	377																		
81	295/340	1530		1615	1560	1615	715	931	438	422	650	325	127,5	184	366	120,5	17	M20										
102	590/620	1750		1835	1780	1835	825	1151	548	532																		
12	105/125	720		760	720	760	320	224	93	77																		
19	110/135	825		865	825	865	370	329	145	130																		
26	118/140	925		965	925	965	420	429	195	180	580	295	105	159	321	90	7	15	M14									
40,5	130/155	1125		1165	1125	1165	520	629	295	280																		
54,5	145/165	1325	1365	1325	1365	620	829	395	380																			
10	195/240	815	885	815	885	365	231	89	61																			
17	215/255	925	995	925	995	420	341	144	116	650	325	127,5	184	366	122	10	17	M20										
24	220/265	1025	1095	1025	1095	470	441	194	166																			
37	255/300	1225	1295	1225	1295	570	641	294	266																			
50,5	280/325	1425	1495	1425	1495	670	841	394	366																			
67	500/550	1540	1630	1575	1630	715	873	403	382	760	390	157	220	432	157,5	21	M24											
76	630/700	1645	1735	1680	1735	770	978	456	434																			
91,5	750/810	1820	1910	1855	1910	860	1153	543	522																			
10	228/293	860	945	890	945	380	261	102	76																			
16	240/305	980	1065	1010	1065	440	381	164	136	650	325	127,5	184	366	123 (122)	12 (10)	17	M20										
22,5	255/320	1090	1175	1120	1175	495	491	219	191																			
34,5	295/360	1310	1395	1340	1395	605	711	329	301																			
46,5	325/388	1530	1615	1560	1615	715	931	439	411																			
59	505/595	1750	1835	1780	1835	825	1151	549	521	760	390	157	220	432	158,5 (157,5)	21	M24											
55,5	600/650	1540	1630	1575	1630	715	873	403	382																			
63	630/700	1645	1735	1680	1735	770	978	456	434																			
73,5	750/810	1820	1910	1855	1910	860	1153	543	522																			
14,5	365/460	1015	1105	1050	1105	445	348	146	109	760	390	157	220	432	160 (159)	15 (13)	21	M24										
20,5	382/482	1120	1210	1155	1210	505	453	198	162																			
33	437/537	1330	1420	1365	1420	610	663	303	267																			
45	485/525	1540	1630	1575	1630	715	873	407	372																			
51	630/700	1645	1735	1680	1735	770	978	461	424	900	475	186,5	270	530	178,5 (177,5)	25	M27											
61	905/955	1820	1910	1855	1910	860	1153	548	512																			
66,5	840/900	1890	1925	-	-	890	1143	531	499																			
80	895/955	2100	2135	-	-	995	1353	636	604																			
15	635/690	1140	1175	-	-	515	393	158	117	900	475	186,5	270	530	180 (178,5)	18 (15)	25	M27										
24	670/730	1300	1335	-	-	595	553	238	197																			
33,5	730/790	1460	1495	-	-	675	713	318	277																			
45,5	790/850	1675	1710	-	-	785	928	426	384																			
57,5	840/900	1890	1925	-	-	890	1143	533	492	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-										
69,5	890/955	2100	2135	-	-	995	1353	368	597																			
15	760/820	1217	1252	-	-	592	393	158	117																			
24	800/860	1377	1412	-	-	672	553	238	197																			
33,5	870/930	1537	1572	-	-	752	713	318	277	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-										
45,5	930/990	1752	1787	-	-	862	928	426	384																			
57,5	980/1040	1967	2002	-	-	967	1143	533	492																			
69,5	1040/1100	2177	2212	-	-	1072	1353	368	597																			
15	760/820	1217	1252	-	-	592	393	158	117	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-										
24	800/860	1377	1412	-	-	672	553	238	197																			
33,5	870/930	1537	1572	-	-	752	713	318	277																			
45,5	930/990	1752	1787	-	-	862	928	426	384																			
57,5	980/1040	1967	2002	-	-	967	1143	533	492	900	475	186,5	270	558	180 (178,5)	18 (15)	31	-										
69,5	1040/1100	2177	2212	-	-	1072	1353	368	597																			

Stationary electric wire rope hoist - Reeving 2/2



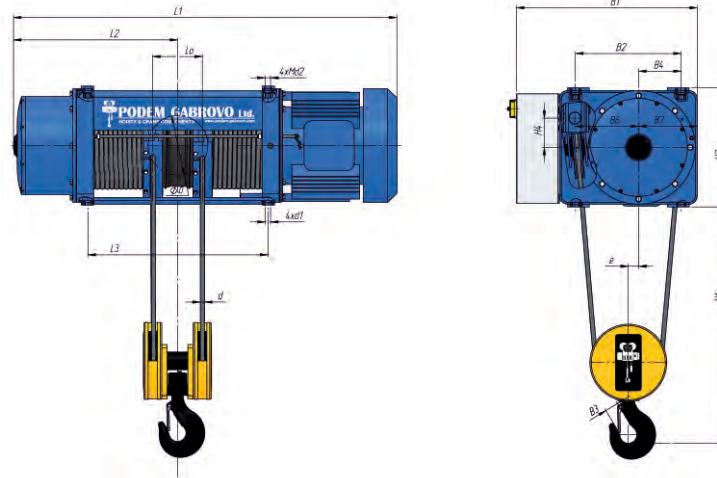
Type	Lifting height, H, m	Weight, kg V1/V2 / V1M1/V2M2	Capacity, kg	General dimensions, mm																	
				L 1				L2	L3	Lo min	B1	B2	B3	B4	B6	H1	H2	R	d	d1	d2
				V1	V1/M1	V2	V2/M2														
MT 305	11	115/140	500	925	965	925	965	420	429	110	580	295	34	105	159	450	321	89	5	15	M14
	20,5	130/155		1125	1165	1125	1165	520	629												
	29,5	145/165		1325	1365	1325	1365	620	829												
MT 405	15	215/260	500	1025	1095	1025	1095	470	441	110	650	325	127,5	184	450	366	119,5	5	17	M20	
31,5	320/370	1310		1395	1340	1395	605	711													
MT 505	11	115/140		925	965	925	965	420	429												110
20,5	130/155	1125	1165	1125	1165	520	629														
29,5	145/165	1325	1365	1325	1365	620	829														
MT 308	10	220/260	800	1025	1095	1025	1095	470	441	110	650	325	127,5	184	450	366	120,5	7	17	M20	
	19,5	255/305		1225	1295	1225	1295	570	641												
	29	280/325		1425	1495	1425	1495	670	841												
MT 410	39,5	530/590	1000	1540	1630	1575	1630	715	873	110	760	390	157	220	450	432	156	7	21	M24	
	46,5	630/700		1645	1735	1680	1735	770	978												
	56,5	750/810		1820	1910	1855	1910	860	1153												
MT 610	7	255/310	1600	1090	1175	1120	1175	495	491	155	650	325	40	127,5	184	550	366	122	10	17	M20
	14,5	290/345		1310	1395	1340	1395	605	711												
	22	320/375		1530	1615	1560	1615	715	931												
MT 516	29	450/490	1600	1750	1835	1780	1835	825	1151	155	760	390	157	220	450	432	157,5	10	21	M24	
	25,5	530/590		1540	1630	1575	1630	715	873												
	30,5	630/700		1645	1735	1680	1735	770	978												
MT 616	37,5	750/810	1600	1820	1910	1855	1910	860	1153	155	760	390	157	220	450	432	157,5	10	21	M24	
	11,5	440/540		1330	1420	1365	1420	610	663												
	19	530/590		1540	1630	1575	1630	715	873												
MT 625	22,5	630/700	2500	1645	1735	1680	1735	770	978	200	760	390	45	157	220	620	432	158,5	12	21	M24
	29	750/810		1820	1910	1855	1910	860	1153												
	31	780/830		1890	1925	-	-	890	1143												
MT 725	39,5	795/855	2500	2100	2135	-	-	995	1353	200	900	475	186,5	270	620	530	177	12	25	M27	
	10	640/700		1460	1495	-	-	675	713												
	16,5	675/735		1675	1710	-	-	785	928												
MT 740	24	740/800	4000	1890	1925	-	-	890	1143	240	900	475	50	186,5	270	710	530	178,5	15	25	M27
	30,5	795/855		2100	2135	-	-	995	1353												
	10	660/720		1537	1572	-	-	752	713												
MT 750	16,5	940/1000	5000	1752	1787	-	-	862	928	240	900	475	50	186,5	270	710	558	178,5	15	31	---
	24	990/1050		1967	2002	-	-	967	1143												
	30,5	1055/1110		2177	2212	-	-	1072	1353												
MT 763	10	660/720	6300	1537	1572	-	-	752	713	240	900	475	50	186,5	270	710	558	178,5	15	31	---
	16,5	940/1000		1752	1787	-	-	862	928												
	24	990/1050		1967	2002	-	-	967	1143												
MT 763	30,5	1055/1110	6300	2177	2212	-	-	1072	1353	240	900	475	50	186,5	270	710	558	178,5	15	31	---

Stationary electric wire rope hoist - Reeving 2/1



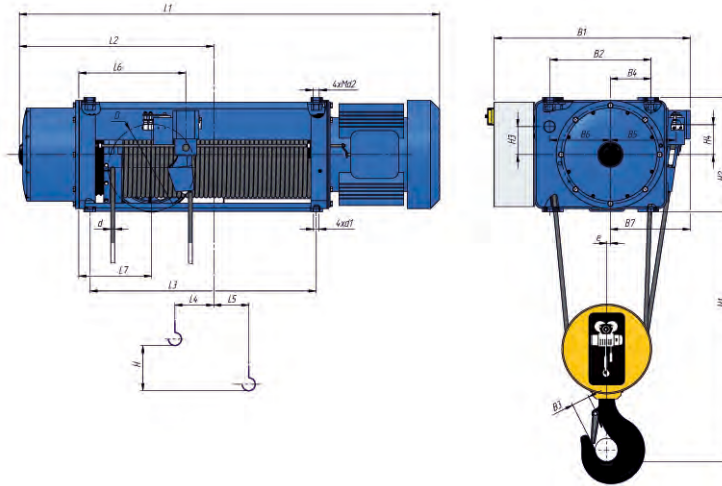
Type	Lifting height, H, m	Weight, kg V1/V2 / V1/M1, V2/M2	Capacity, kg	General dimensions, mm																																				
				L1				L2	L3	L4	L5	L6	B1	B2	B3	B4	B5	B6	H1	H2	H3	d	d1	d2	e															
				V1	V1/M1	V2	V2/M2																																	
MT 305	6	105/125	1000	720	760	720	760	320	224	45	40	145	580	295	34	105	190,5	159	450	321	73	7	15	M14	50															
	9,5	115/135		825	865	825	865	370	329	95																														
	13	125/145		925	965	925	965	420	429	95																														
	20	135/157		1125	1165	1125	1165	520	629	195																														
	27	147/170		1325	1365	1325	1365	620	829	295																														
MT 405	36	150/1610		1425	1495	1425	1495	670	841	307	74	79	240	650	325	127,5	199	184	366	90	17	M20	35																	
	40,5	330/395		1530	1615	1560	1615	715	931	345																														
MT 505	51	800/600		1750	1835	1780	1835	825	1151	455	40	145	580	295	40	105	190,5	159	450	321	73	7	15	M14	50															
	9,5	115/135		825	865	825	865	370	329	95																														
MT 308	13	125/145		1600	925	965	925	965	420	429	95	90	245	580	295	40	105	190,5	159	450	321	73	7	15	M14	50														
	20	135/157	1125		1165	1125	1165	520	629	195																														
	27	147/170	1325		1365	1325	1365	620	829	295																														
	5	200/245	815		885	815	885	365	231	52	27																140	650	325	40	127,5	199	184	366	96	10	17	M20	35	
	8,5	220/260	925		995	925	995	420	341	107																														
MT 410	12	230/270	1025		1095	1025	1095	470	441	107	74	240	650	325	40	127,5	199	184	550	366	96	10	17	M20	35															
	18,5	260/305	1225		1295	1225	1295	570	641	207																														
	25	285/330	1425		1495	1425	1495	670	841	307																														
	33,5	490/530	1540		1630	1575	1630	715	873	316																														
	38	520/560	1645		1735	1680	1735	770	978	367																														
MT 610	45,5	890/950	1820	1910	1855	1910	860	1153	455	73	250	760	390	157	235	220	432	116	432	116	21	M24	38																	
	5	228/293	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	245/310	980	1065	1010	1065	440	381	120																															
	MT 516	11	260/325	1090	1175	1120	1175	495	491															125	79	250	650	325	45	127,5	199	184	620	366	86	12	(10)	17	M20	35
		17	300/365	1310	1395	1340	1395	605	711															235																
23		325/390	1530	1615	1560	1615	715	931	345																															
29,5		660/720	1750	1835	1780	1835	825	1151	455																															
27,5		490/530	1540	1630	1575	1630	715	873	316																															
MT 616	31,5	520/560	1645	1735	1680	1735	770	978	367	73	250	760	390	157	235	220	432	116	432	116	21	M24	38																	
	37,5	890/950	1820	1910	1855	1910	860	1153	455																															
	7	370/470	1015	1105	1050	1105	445	348	104															23	154	760	390	50	157	235	220	710	432	110	15	(13)	21	M24	38	
	10	390/490	1120	1210	1155	1210	505	453	106																															
	MT 625	16,5	445/545	1330	1420	1365	1420	610	663															211	73	254	650	390	50	157	235	220	710	432	110	15	(13)	21	M24	38
22,5		495/595	1540	1630	1575	1630	715	873	316																															
25,5		520/560	1645	1735	1680	1735	770	978	367																															
30,5		890/950	1820	1910	1855	1910	860	1153	455																															
33		845/905	1890	1925	-	-	890	1143	408																															
MT 725	40	905/965	2100	2135	-	-	995	1353	512	104	340	900	475	186,5	290,5	270	530	162	530	162	25	M27	55																	
	7,5	635/695	1140	1175	-	-	515	393	82															54	240	900	475	56	186,5	290,5	270	840	530	157	18	(15)	25	M27	55	
	12	670/730	1300	1335	-	-	595	553	162																															
	MT 740	16,5	735/795	1460	1495	-	-	675	713															192	104	340	900	475	56	186,5	290,5	270	840	530	157	18	(15)	25	M27	55
		22,5	795/855	1675	1710	-	-	785	928															300																
28,5		845/905	1890	1925	-	-	890	1143	408																															
34,5		905/965	2100	2135	-	-	995	1353	512																															
7,5		760/820	1217	1252	-	-	592	393	82																															
MT 750	12	800/860	1377	1412	-	-	672	553	162	54	240	900	475	71	186,5	290,5	270	840	558	157	18	(15)	31	---	55															
	16,5	870/930	1537	1572	-	-	752	713	192																															
	22,5	930/990	1752	1787	-	-	862	928	300																															
	28,5	980/1040	1967	2002	-	-	967	1143	408																															
	34,5	1045/1105	2177	2212	-	-	1072	1353	512																															
MT 763	7,5	760/820	1217	1252	-	-	592	393	82	54	240	900	475	71	186,5	290,5	270	840	558	157	18	(15)	31	---	55															
	12	800/860	1377	1412	-	-	672	553	162																															
	16,5	870/930	1537	1572	-	-	752	713	192																															
	22,5	930/990	1752	1787	-	-	862	928	300																															
	28,5	980/1040	1967	2002	-	-	967	1143	408																															
34,5	1045/1105	2177	2212	-	-	1072	1353	512																																

Stationary electric wire rope hoist - Reeving 4/2



Type	Lifting height, H, m	Weight, kg V1/V2 / V1M1/V2M2	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																		
MT 305	10	160/175	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	175/195		1325	1365	1325	1365	620	829		730	325		127,5	199	184		366	91			101	17	M20	35
MT 405	7,5	290/340		1025	1095	1025	1095	470	441	110	650	295	40	105	190,5	159	415	321	75	100	5	15	M14	50	
MT 505	15,5	360/430		1310	1395	1340	1395	605	711		730	325		127,5	199	184		366	91			101	17	M20	35
MT 308	10	160/175		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	175/195			1325	1365	1325	1365	620	829		730	325		127,5	199	184		366	91			101	17	M20
MT 410	9,5	295/340	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	315/360			1425	1495	1425	1495	670	841		850	390		157	235	220		432	117			21	M24	38
MT 610	19,5	540/640			1540	1630	1575	1630	715	873	110	850	390	40	157	235	220	415	432	117	140	7	21	M24	38
	23	560/660			1645	1735	1680	1735	770	978		850	390		157	235	220		432	117			21	M24	38
MT 516	7	300/315		3200	1310	1395	1340	1395	605	711	110	730	325	40	127,5	199	184	415	366	101	200	10	17	M20	35
11	330/340	1530			1615	1560	1615	715	931	850		390	157		235	220	432		117	21			M24	38	
MT 616	14,5	530/570	1750		1835	1780	1835	825	1151	155	730	325	40	127,5	199	184	415	366	101	200	10	17	M20	35	
	12,5	540/640	1540		1630	1575	1630	715	873		850	390		157	235	220		432	117			21	M24	38	
MT 616	30,5	590/650	1645		1735	1680	1735	770	978	155	850	390	40	157	235	220	415	432	117	200	10	21	M24	38	
	18,5	660/720	1820		1910	1855	1910	860	1153		850	390		157	235	220		432	117			21	M24	38	
MT 625	9,5	540/640	5000	1540	1630	1575	1630	715	873	200	850	390	40	157	235	220	415	432	117	240	12	21	M24	38	
	11	590/650		1645	1735	1680	1735	770	978		850	390		157	235	220		432	117			21	M24	38	
MT 725	14,5	660/720		1820	1910	1855	1910	860	1153	200	1000	475	40	186,5	290,5	270	415	530	128	240	12	25	M27	55	
	15,5	700/780		1890	1925	-	-	890	1143		1000	475		186,5	290,5	270		530	128			25	M27	55	
MT 725	19,5	850/915		2100	2135	-	-	995	1353	200	1000	475	40	186,5	290,5	270	415	530	128	240	12	25	M27	55	
	7	790/855		1460	1495	-	-	675	713		1000	475		71	186,5	290,5		270	695			530	128	300	15
MT 740	8	845/910	8000	1675	1710	-	-	785	928	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	25	M27	55	
	12	900/960		1890	1925	-	-	890	1143		1000	475		71	186,5	290,5		270	695			530	128	300	15
MT 740	15	960/1020		2100	2135	-	-	995	1353	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	25	M27	55	
	5	880/940		1537	1572	-	-	752	713		1000	475		71	186,5	290,5		270	695			530	128	300	15
MT 750	8	940/1000		10000	1752	1787	-	-	862	928	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55
	12	990/1050			1967	2002	-	-	967	1143		1000	475		71	186,5	290,5		270	695			530	128	300
MT 750	15	1055/1110	2177		2212	-	-	1072	1353	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55	
	5	880/940	1537		1572	-	-	752	713		1000	475		71	186,5	290,5		270	695			530	128	300	15
MT 763	8	940/1000	12500		1752	1787	-	-	862	928	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55
	12	990/1050			1967	2002	-	-	967	1143		1000	475		71	186,5	290,5		270	695			530	128	300
MT 763	15	1055/1110		2177	2212	-	-	1072	1353	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55	
	5	880/940		1537	1572	-	-	752	713		1000	475		71	186,5	290,5		270	695			530	128	300	15
MT 780	8	940/1000		16000	1752	1787	-	-	862	928	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55
	12	990/1050			1967	2002	-	-	967	1143		1000	475		71	186,5	290,5		270	695			530	128	300
MT 780	15	1055/1110	2177		2212	-	-	1072	1353	240	1000	475	40	186,5	290,5	270	415	530	128	300	15	31	---	55	

Stationary electric wire rope hoist - Reeving 4/1



Type	Lifting height, H, m	Weight, kg V1, V2 / V1M1, V2M2	Capacity, kg	General dimensions, mm																										
				L1				L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	B7	H1	H2	H3	H4	D	d	d1	d2	e	
				V1	V1/M1	V2	V2/M2																							
MT 305	6,5	130/150	2000	925	965	925	965	420	429	90	45	250	161	650	295	105	189,5	186,5	229,5	415	321	71	75	140	7	15	M14	25		
	10	155/180		1125	1165	1125	1165	520	629	190	-45																			
	13,5	185/210		1325	1365	1325	1365	620	829	290	-95																			
MT 405	18	365/415		1425	1495	1425	1495	670	841	307	-115	300	194	730	325	40	127,5	206	199	254	415	366	85	101	240	7	17	M20	15	
	20	395/450		1530	1615	1560	1615	715	931	345	-130	350	216																	
MT 505	25,5	495/550		1750	1835	1780	1835	825	1151	455	-185	250	161	650	295	45	105	189,5	186,5	229,5	415	321	71	75	140	7	15	M14	25	
	6,5	130/150		925	965	925	965	420	429	90	45																			
MT 308	10	155/180		1125	1165	1125	1165	520	629	190	-45	250	161	650	295	45	105	189,5	186,5	229,5	415	321	71	75	140	7	15	M14	25	
	13,5	185/210		1325	1365	1325	1365	620	829	290	-95																			
MT 410	6	310/350	4000	1025	1095	1025	1095	470	441	65	25	300	194	730	325	50	127,5	206	199	254	525	366	85	91	200	10	17	M20	15	
	9	335/395		1225	1295	1225	1295	570	641	165	-25																			
	12,5	365/410		1425	1495	1425	1495	670	841	265	-75																			
MT 610	16,5	540/640		1540	1630	1575	1630	715	873	316	-120	400	232	850	390	56	157	254	235	309	565	432	109	117	293	12	21	M24	14	
	19	560/660		1645	1735	1680	1735	770	978	367	-145																			
	22,5	800/900		1820	1910	1855	1910	860	1153	455	-190																			
MT 516	5,5	305/370		6300	1090	1175	1120	1175	495	491	67	35	350	216	730	325	56	127,5	206	199	254	565	366	85	101	240	12	17	M20	15
	8,5	340/405			1310	1395	1340	1395	605	711	177	-20																		
	11,5	395/450			1530	1615	1560	1615	715	931	287	-70																		
MT 616	14,5	580/680	1750		1835	1780	1835	825	1151	397	-125	400	232	850	390	56	157	254	235	309	565	432	109	117	293	12	21	M24	14	
	13,5	540/640	1540		1630	1575	1630	715	873	316	-120																			
	15,5	560/660	1645		1735	1680	1735	770	978	367	-145																			
MT 616	18,5	800/900	1820		1910	1855	1910	860	1153	455	-190	400	232	850	390	56	157	254	235	309	565	432	109	117	293	12	21	M24	14	
	5	510/610	1120		1210	1155	1210	505	453	29	61																			
	8	570/670	1330		1420	1365	1420	610	663	134	8																			
MT 625	11	540/640	10000	1540	1630	1575	1630	715	873	239	-44	400	232	850	390	71	157	254	235	309	695	432	109	117	293	15	21	M24	14	
	12,5	560/660		1645	1735	1680	1735	770	978	291	-71																			
	15	800/900		1820	1910	1855	1910	860	1153	291	-71																			
MT 725	16,5	990/1050		1890	1925	-	-	890	1143	408	-150	500	324	1000	475	71	186,5	309	290,5	369	775	530	126	128	360	18	25	M27	23	
	20	1050/1110		2100	2135	-	-	995	1353	512	-202																			
MT 740	8	670/930		16000	1460	1495	-	-	675	713	102	46	500	324	1000	475	71	186,5	309	290,5	369	775	530	126	128	360	18	25	M27	23
	11	980/1040			1675	1710	-	-	785	928	210	-8																		
	14	1030/1090			1890	1925	-	-	890	1143	318	-62																		
MT 750	17	1090/1150			2100	2135	-	-	995	1353	422	-114	500	324	1000	475	90	186,5	309	290,5	369	825	558	126	128	360	18	31	-	23
	8	880/940	1537		1572	-	-	752	713	102	46																			
	11	940/1000	1752		1787	-	-	862	928	210	-8																			
MT 763	14	990/1050	1967		2002	-	-	967	1143	318	-62	500	324	1000	475	90	186,5	309	290,5	369	825	558	126	128	360	18	31	-	23	
	17	1055/1110	2177		2212	-	-	1072	1353	422	-114																			
	8	880/940	1537		1572	-	-	752	713	102	46																			

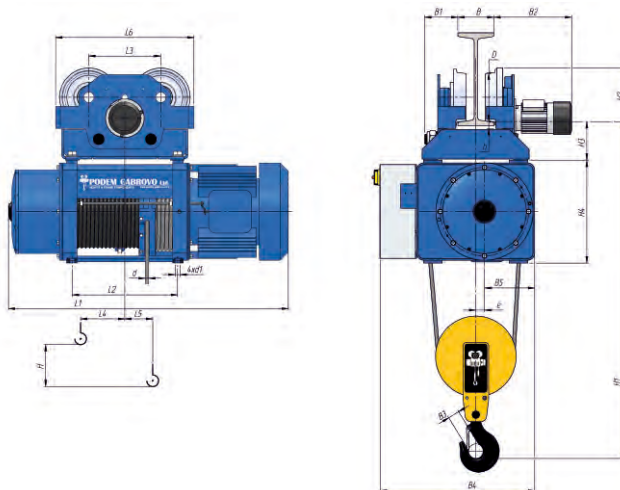


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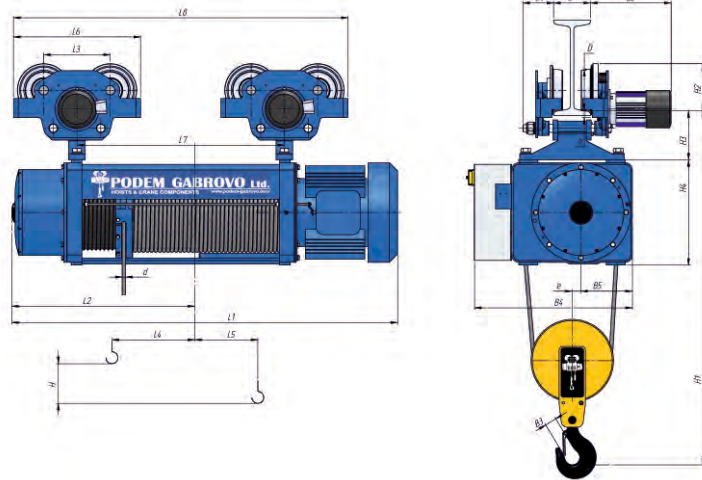
Monorail trolley, standard headroom - Reeving 2/1



Type	Lifting height, H, m	Weight, kg V1/V2/V1/M1/V2/M2	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																				
MT 305	6	105/125	1000	720	760	720	760	224	215	45	40	90 ... 130	100	310	34	580	159	901	132	130	321	100	7	50	45		
	9,5	115/140		825	865	825	865	329																		95	
	13	125/148		925	965	925	965	429																		90	
MT 410	5	200/245	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	215/260		925	995	925	995	341																			107
	12	230/270		1025	1095	1025	1095	441																			74
MT 516	5	230/305	3200	860	945	890	945	261	240	60	29	450	130 ... 150	115	360	45	650	184	1144	155	157,5	366	125	12	35	47,5	
	8	250/315		980	1065	1010	1065	381																			120
	11	265/330		1090	1175	1120	1175	491																			125
MT 625	7	370/470	5000	1015	1105	1050	1105	348	280	104	23	520	130 ... 150	120	365	50	760	220	1317	187	175	432	160	15	38	43	
	10	390/490		1120	1210	1155	1210	453																			106



Monorail trolley, standard headroom - Reeving 2/1



Type	Lifting height, H, m	Weight, kg V1/V2 / V1M1/V2M2	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														*	**		*	**					*	**	
MT 305	20	215/240	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	230/250		1325	1365	1325	1365	620		295	829	1229	841	1291																		
MT 405	36	470/515		1425	1495	1425	1495	670	307	74	841	1291	130 ... 150	115	360	650	184	1012	1079	155	196	263	366	125	42,5	34,5						
	40,5	515/585		1530	1615	1560	1615	715	240	345	931	1381																				
MT 505	51	790/820		1750	1835	1780	1835	825	455	79	1151	1601	130 ... 150	115	360	650	184	1112	1179	155	196	278	366	125	10	35	42,5	34,5				
	40,5	515/585		1530	1615	1560	1615	715	240	345	931	1381																				
MT 410	18,5	445/490		2000	1225	1295	1225	1295	570	207	74	641	1091	130 ... 150	115	360	40	650	184	1112	1179	155	196	278	366	125	10	35	42,5	34,5		
	25	470/510			1425	1495	1425	1495	670		307	841	1291																			
MT 610	33,5	680/780			1540	1630	1575	1630	715	240	316	673	770	873	1323	130 ... 150	115	360	40	760	220	1193	1260	155	196	278	432	125	10	35	42,5	34,5
	38	730/820			1645	1735	1680	1735	770	367	73	978	1428																			
	45,5	760/890	1820		1910	1855	1910	860	455	79	1153	1603																				
MT 516	17	485/555	3200		1310	1395	1340	1395	605	235	79	711	1161	130 ... 150	115	360	45	650	184	1182	1249	155	196	263	366	125	12	35	42,5	34,5		
	23	515/580			1530	1615	1560	1615	715			345	931																		1381	
MT 616	29,5	790/820			1750	1835	1780	1835	825	240	316	450	873	1323	130 ... 150	115	360	45	760	220	1263	1330	155	196	278	432	125	12	35	42,5	34,5	
	27,5	680/780			1540	1630	1575	1630	715	367	73	978	1428																			
	31,5	730/820			1645	1735	1680	1735	770	455	79	1153	1603																			
MT 625	16,5	635/735		5000	1330	1420	1365	1420	610	211	73	663	1113	130 ... 150	115	360	50	760	220	1353	1420	155	211	278	432	125	15	38	42,5	34,5		
	22,5	680/780			1540	1630	1575	1630	715			316	873																		1323	
	25,5	730/820			1645	1735	1680	1735	770	367	978	1428																				
	30,5	760/890			1820	1910	1855	1910	860	455	1153	1603																				
MT 725	33	1190/1255			1890	1925	-	-	890	280	408	104	520	1143	1663	130 ... 150	120	365	900	270	1493	1600	187	253	360	530	160	15	45	44		
	40	1255/1320	2100		2135	-	-	995	512		1353	1873																				
MT 740	12	990/1055	8000		1300	1335	-	-	595	162	54	553	1073	130 ... 150	120	365	56	900	270	1623	1730	187	253	360	530	160	18	55	45	44		
	16,5	1060/1120			1460	1495	-	-	675			192	713																		1233	
	22,5	1125/1185			1675	1710	-	-	785	280	300	104	520	928	1448	130 ... 150	120	365	56	900	270	1623	1730	187	253	360	530	160	18	55	45	44
	28,5	1190/1250			1890	1925	-	-	890	408	1143	1663																				
34,5	1255/1320	2100		2135	-	-	995	512	1353	1873																						
MT 750	12	1030/1100		10000	1377	1412	-	-	672	162	54	553	1073	130 ... 150	120	365	71	900	270	1723	1830	187	253	360	558	160	18	55	45	44		
	16,5	1080/1240			1537	1572	-	-	752			192	713																		1233	
	22,5	1130/1190			1752	1787	-	-	862	280	300	104	520	928	1448	130 ... 150	120	365	71	900	270	1723	1830	187	253	360	558	160	18	55	45	44
	28,5	1180/1240			1967	2002	-	-	967	408	1143	1663																				
	34,5	1240/1300			2177	2212	-	-	1072	512	1353	1873																				
40,5	1290/1350	2387	2422		-	-	1177	617	1563	2083																						

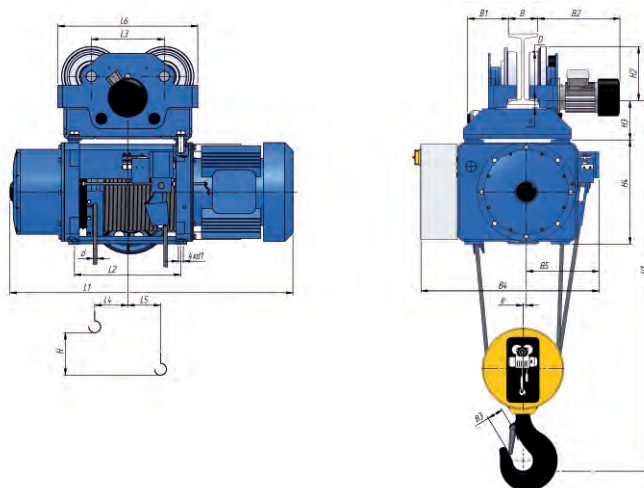
Minimum railway radius - R_{min}, mm

Type	R _{min} **
MT 3- ...	1500
MT 4- ...	2500
MT 5- ...	2500
MT 6- ...	2500
MT 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



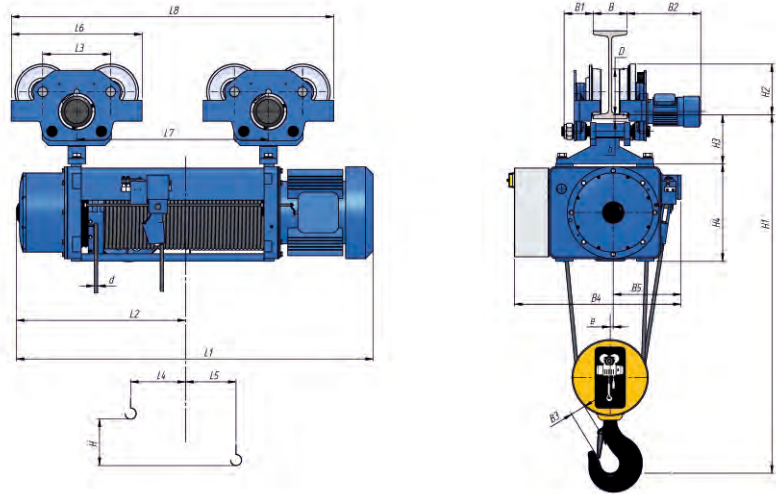
Type	Lifting height, H, m	Weight, kg V1, V2 / V1M1, V2M2	Capacity, kg	General dimensions, mm																						
				L1				L2	L3	L4	L5	L6	B	B1 _{max}	B2 _{max}	B3	B4	B5	H1	H2	H3	H4	D	d	e	h
				V1	V1/M1	V2	V2/M2																			
MT 305	6,5	270/290	2000	925	965	925	965	429	240	90	45	450	90 ... 130	115	360	40	650	229,5	894	155	157,5	321	125	7	25	42,5
MT 410	6	445/495	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
MT 516	5,5	565/575	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} **
MT 3- ...	2500
MT 4- ...	2500
MT 5- ...	3500



Monorail trolley, standard headroom - Reeving 4/1



Type	Lifting height, H, m	Weight, kg V1/V2 / V1M1/V2M2	Capacity, kg	General dimensions, mm																											
				L1				L2	L3	L4	L5	L6	L7	L8	B	B1, max	B2, max	B3	B4	B5	H1		H3		H4	D	d	e	h		
				V1	V1/M1	V2	V2/M2														*	**	*	**					*	**	
MT 305	10	275/295	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	25	45	46		
	13,5	290/310		1325	1365	1325	1365	620		290	-95	829	1229																		
MT 405	18	625/775	2000	1425	1495	1425	1495	670	240	307	-115	450	841	1291	130 ... 150	115	360	40	730	254	977	1044	155	196	263	366	125	7	15	42,5	34,5
	20	745/820		1530	1615	1560	1615	715		345	-130	931	1381																		
MT 505	25,5	820/880	2000	1750	1835	1780	1835	825	240	455	-185	450	1151	1601	130 ... 150	115	360	40	730	254	977	1044	155	196	263	366	125	7	15	42,5	34,5
	25,5	820/880		1750	1835	1780	1835	825		455	-185	1151	1601																		
MT 410	9	585/630	4000	1225	1295	1225	1295	570	240	165	-25	450	641	1091	130 ... 150	115	360	50	730	254	1087	1154	155	196	263	366	125	10	15	42,5	34,5
	12,5	625/775		1425	1495	1425	1495	670		265	-75	841	1291																		
MT 610	16,5	920/990	4000	1540	1630	1575	1630	715	240	316	-120	450	873	1323	130 ... 150	120	365	50	850	309	1190	1235	155	233	278	432	125	14	42,5	34,5	
	19	940/1000		1645	1735	1680	1735	770		367	-145	978	1428																		
MT 516	8,5	685/760	6300	1310	1395	1340	1395	605	240	177	-20	450	711	1161	130 ... 150	115	360	56	730	254	1127	1194	155	196	236	366	125	12	15	42,5	34,5
	11,5	740/815		1530	1615	1560	1615	715		287	-70	931	1381																		
MT 616	14,5	820/880	6300	1750	1835	1780	1835	825	240	397	-125	450	1151	1601	130 ... 150	120	365	56	850	309	1230	1275	155	233	278	432	125	14	42,5	34,5	
	13,5	920/990		1540	1630	1575	1630	715		316	-120	873	1323																		
MT 616	15,5	940/1000	6300	1645	1735	1680	1735	770	240	367	-145	450	978	1428	130 ... 150	120	365	56	850	309	1230	1275	155	233	278	432	125	14	42,5	34,5	
	18,5	1010/1070		1820	1910	1855	1910	860		455	-190	1153	1603																		
MT 625	5	890/990	10000	1120	1210	1155	1210	505	280	29	61	520	453	973	130 ... 150	120	365	71	850	309	1360	1467	187	233	340	432	160	15	45	44	
	8	990/1050		1330	1420	1365	1420	610		134	8	663	1183																		
MT 725	11	920/990	10000	1540	1630	1575	1630	715	280	239	-44	520	873	1393	130 ... 150	120	365	71	850	309	1360	1467	187	233	340	432	160	15	45	44	
	12,5	940/1000		1645	1735	1680	1735	770		291	-71	978	1498																		
MT 725	15	1010/1070	10000	1820	1910	1855	1910	860	280	512	-202	520	1153	1673	130 ... 150	120	365	71	1000	369	1478	1585	253	360	530	160	23	45	44		
	16,5	1360/1420		1890	1925	-	-	890		408	-150	1143	1663																		
MT 732	8	1230/1290	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	23	45	44
	11	1300/1360		1675	1710	-	-	785		210	-8	928	1448																		
MT 740	8	1230/1290	16000	1460	1495	-	-	675	354	102	46	740	713	1453	130 ... 150	160	365	71	1000	369	1790	-	335	405	-	530	250	18	23	60	-
	11	1300/1360		1675	1710	-	-	785		210	-8	928	1668																		
MT 740	14	1360/1420	16000	1890	1925	-	-	890	354	318	-62	740	1143	1883	130 ... 150	160	365	71	1000	369	1790	-	335	405	-	530	250	18	23	60	-
	17	1420/1480		2100	2135	-	-	995		422	-114	1353	2098																		
MT 750	8	1330/1390	20000	1537	1572	-	-	752	354	102	46	740	713	1453	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18	23	60	-
	11	1385/1445		1752	1787	-	-	862		210	-8	928	1668																		
MT 750	14	1435/1495	20000	1967	2002	-	-	967	354	318	-62	740	1143	1883	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18	23	60	-
	17	1485/1555		2177	2212	-	-	1072		422	-114	1353	2098																		
MT 763	8	1330/1390	25000	1537	1572	-	-	752	354	102	46	740	713	1453	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18	23	60	-
	11	1385/1445		1752	1787	-	-	862		210	-8	928	1668																		
MT 763	14	1435/1495	25000	1967	2002	-	-	967	354	318	-62	740	1143	1883	130 ... 150	160	365	90	1000	369	1790	-	335	405	-	558	250	18	23	60	-
	17	1485/1555		2177	2212	-	-	1072		422	-114	1353	2098																		

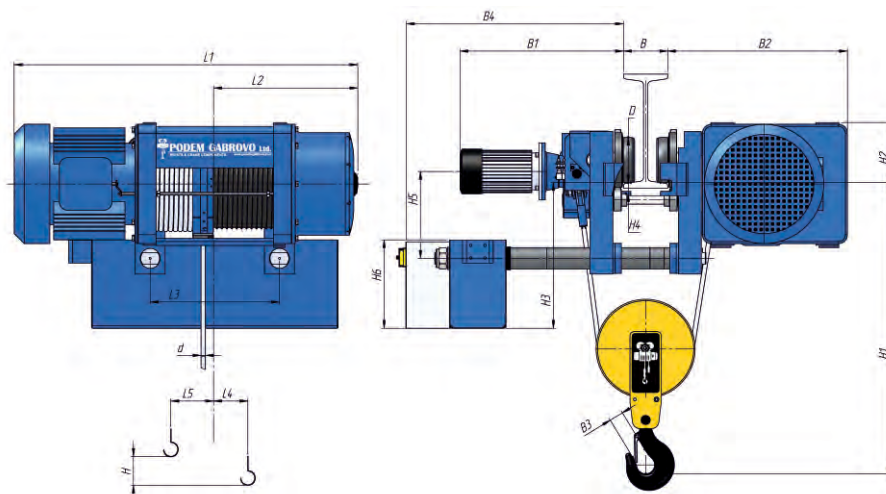
Minimum railway radius - R_{min}, mm

Type	R _{min} **
MT 3- ...	1500
MT 4- ...	2500
MT 5- ...	2500
MT 6- ...	2500
MT 7- ...	3500

1) The data given with * are to be considered for stiff suspended trolley

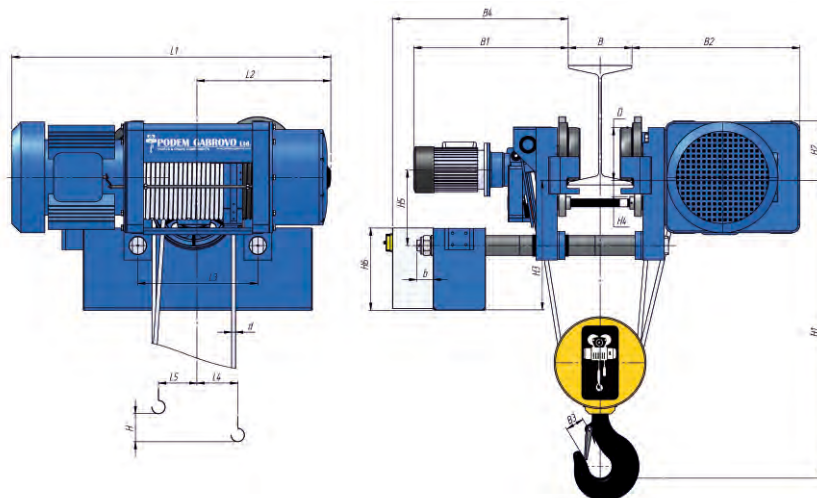
2) The data given with ** are to be considered for hinge suspended trolley

Monorail trolley, reduced headroom - Reeving 2/1



Type	Lifting height, H, m	Weight, kg V1/V2 / V1M1/V2M2	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																			
MT 305	6	220/250	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	230/260		825	865	825	865	370	329	104																
	13	240/270		925	965	925	965	420	429	100																
	20	265/295		1125	1165	1125	1165	520	629	200																87
	27	285/315		1325	1365	1325	1365	620	829	300																
MT 410	5	360/410	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	380/425		925	995	925	995	420	341	105																
	12	395/445		1025	1095	1025	1095	470	441	110																79
	18,5	430/475		1225	1295	1225	1295	570	641	175																114
	25	460/500		1425	1495	1425	1495	670	841	275																
MT 516	5	460/525	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	490/555		980	1065	1010	1065	440	381	125																
	11	530/595		1090	1175	1120	1175	495	491	142																67
	17	560/630		1310	1395	1340	1395	605	711	162																157
	23	600/665		1530	1615	1560	1615	715	931	272																
	29,5	680/720		1750	1835	1780	1835	825	1151	382																
MT 625	7	710/810	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	725/825		1120	1210	1155	1210	505	453	90																90
	16,5	795/895		1330	1420	1365	1420	610	663	143																142
	22,5	850/950		1540	1630	1575	1630	715	873	248																
	25,5	950/1000		1645	1735	1680	1735	770	987	300																
	30,5	1010/1060		1820	1910	1855	1910	860	1153	388																
MT 740	7,5	930/990	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	1100/1160		1300	1335	-	-	595	553	155																
	16,5	1170/1235		1460	1495	-	-	675	713	167																118
	22,5	1240/1300		1675	1710	-	-	785	928	248																
	28,5	1310/1370		1890	1925	-	-	890	1143	382																
	34,5	1380/1440		2100	2135	-	-	995	1353	487																

Monorail trolley, reduced headroom - Reeving 4/1



Type	Lifting height, H, m	Weight, kg V1/V2 / V1/M1, V2/M2	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																		
MT 305	6,5	280/290	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	280/310		1125	1165	1125	1165	520	629	146	-9	171 ... 240													
	13,5	300/330		1325	1365	1325	1365	620	829	246	-59	241 ... 300													
MT 308	6,5	280/290	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	280/310		1125	1165	1125	1165	520	629	146	-9	171 ... 240													
	13,5	300/330		1325	1365	1325	1365	620	829	246	-59	241 ... 300													
MT 410	6	450/500	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	490/535		1225	1295	1225	1295	570	641	129	4	171 ... 240													
	12,5	520/555		1425	1495	1425	1495	670	841	229	-46	241 ... 300													
MT 516	5,5	570/635	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	600/670		1310	1395	1340	1395	605	711	135	12	171 ... 240													
	11,5	620/685		1530	1615	1560	1615	715	931	245	-42	241 ... 300													
	14,5	680/740		1750	1835	1780	1835	825	1151	355	-97														
MT 625	5	865/965	10000	1120	1210	1155	1210	505	453	-34	112	100 ... 170	550	626	71	495	830	225	495	60	286	310	200	35	15 (13)
	8	940/1040		1330	1420	1365	1420	610	663	71	60	171 ... 240													
	11	995/1095		1540	1630	1575	1630	715	873	176	7	241 ... 300													
	12,5	1090/1150		1645	1735	1680	1735	770	978	228	-19														
MT 740	15	1120/1180		1820	1910	1855	1910	860	1153	315	-62														
	8	1420/1485	16000	1460	1495	-	-	675	713	38	100	100 ... 170	575	766	71	730	960	303	525	68	308	310	250	35	18 (15)
	11	1495/1555		1675	1710	-	-	785	928	128	62	171 ... 240													
	14	1565/1625		1890	1925	-	-	890	1143	236	8	241 ... 300													
17	1640/1700	2100		2135	-	-	995	1353	341	-44															



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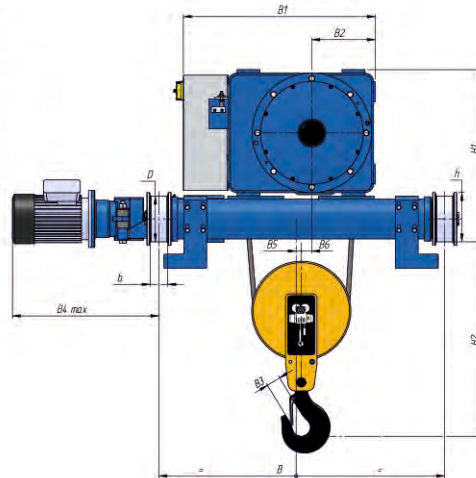
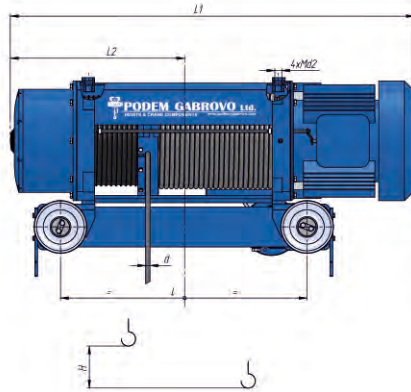


Bulgaria, P.K. 5300, Gabrovo,
3A Parvi May St.

PRODUCTION BASE:

Bulgaria, P.K. 5300, Gabrovo,
Stefanovtsi district /Industrial zone/
Vasilka Beneva Str.

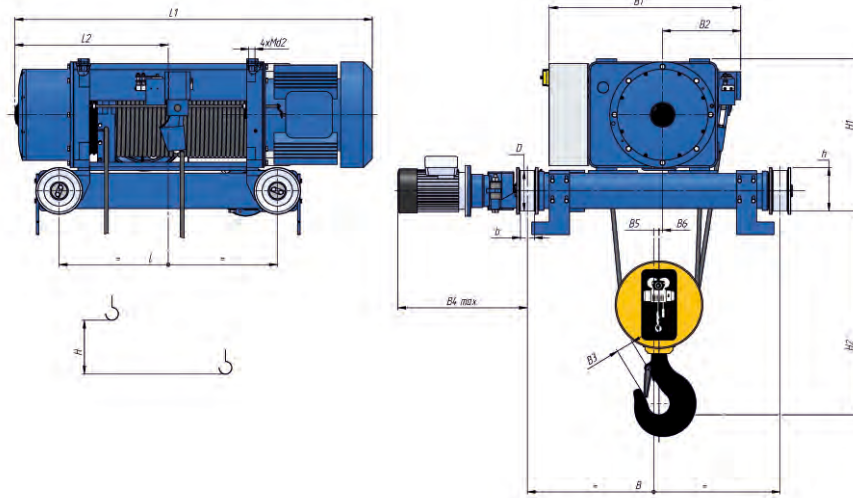
Double rail trolley - Reeving 2/1



Type	Lifting height, H, m	Weight, kg	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													
MT 410	5		2000	431	815	885	815	885	365	1000	650	184	40	480	-1	35	525	550	50	160	175
	8,5	541		925	995	925	995	420													
	12	641		1025	1095	1025	1095	470													
	18,5	841		1225	1295	1225	1295	570													
	25	1041		1425	1495	1425	1495	670													
MT 516	8		3200	461	860	945	890	945	380	1000	650	184	45	480	-3	35	525	620	50	160	175
	11	581		980	1065	1010	1065	440													
	17	691		1090	1175	1120	1175	495													
	23	911		1310	1395	1340	1395	605													
	29,5	1131		1530	1615	1560	1615	715													
MT 625	7		5000	548	1015	1105	1050	1105	445	1000	760	220	50	480	1	38	590	710	50	160	175
	10	653		1120	1210	1155	1210	505													
	16,5	863		1330	1420	1365	1420	610													
	22,5	1073		1540	1630	1575	1630	715													
	25,5	1178		1645	1735	1680	1735	770													
MT 740	7,5		8000	673	1140	1175	-	-	515	1200	900	270	56	760	-4	55	740	840	60	200	215
	12	833		1300	1335	-	-	595													
	16,5	993		1460	1495	-	-	675													
	22,5	1108		1675	1710	-	-	785													
	28,5	1423		1890	1925	-	-	890													
	34,5	1633		2100	2135	-	-	995													



Double rail trolley - Reeving 4/1



Type	Lifting height, H, m	Weight, kg	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													
MT 410	6		4000	641	1025	1095	1025	1095	470	1000	730	254	50	480	27	15	525	505	50	160	175
	9	841		1225	1295	1225	1295	570													
	12,5	1041		1425	1495	1425	1495	670													
MT 516	5,5		6300	691	1090	1175	1120	1175	495	1000	730	254	56	480	27	15	525	545	50	160	175
	8,5	911		1310	1395	1340	1395	605													
	11,5	1131		1530	1615	1560	1615	715													
MT 625	5		10000	653	1120	1210	1155	1210	505	1000	850	309	71	480	23	14	590	685	50	160	175
	8	863		1330	1420	1365	1420	610													
	11	1073		1540	1630	1575	1630	715													
	12,5	1178		1645	1735	1680	1735	770													
MT 740	8		16000	993	1460	1495	-	-	675	1200	1000	369	71	760	22	23	740	765	60	200	215
	11	1208		1675	1710	-	-	785													
	14	1423		1890	1925	-	-	890													
	17	1633		2100	2135	-	-	995													

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