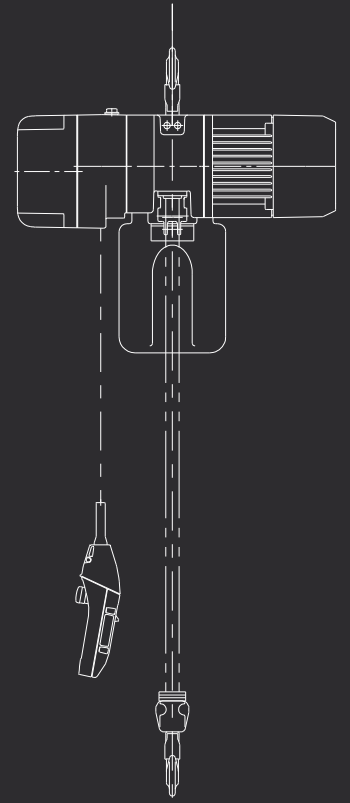
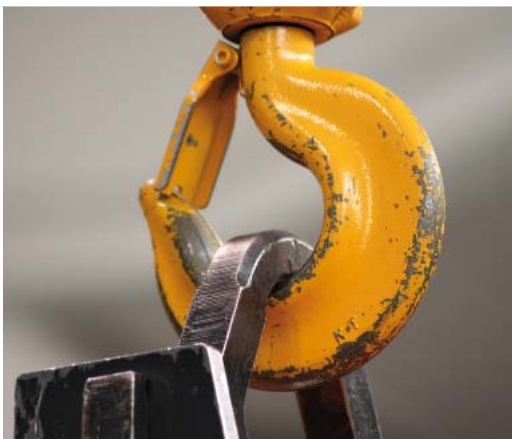


# KITO



# ER2

## ELECTRIC CHAIN HOIST



[www.kito.net](http://www.kito.net)

## KITO HOISTS

Always on the safe side

# KITO

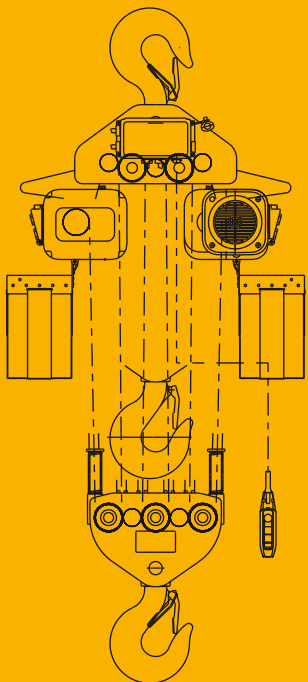
## ER2 Electric Chain Hoists

### The latest generation

KITO electric chain hoists strive to be the industry leader in safety, longevity, and ease of maintenance. Trusted worldwide KITO continues to innovate and improve its electric chain hoists in order to offer even more reliable products.



**Made in Japan!**



### Reliable, safe, user friendly

The latest generation of electric chain hoists ER2 by KITO builds upon the successes of KITO's ER-series. To achieve easier operation and improve work efficiency, an inverter has been included a standard feature for dual speed hoists & motorized trolleys. This has resulted in smoother and quieter operation than before; while reducing swinging of the load.

To ensure the highest safety, KITO has built-in a double safety mechanism, consisting of a newly designed friction clutch and an upper/lower limit switch. The unique design of the ergonomically developed pendant control (push button switch), a more durable load chain and simpler operation are important themselves in achieving a safer and more efficient work environment. These qualities assure this hoist a long and reliable service life, unwavering performance and higher productivity. The increased durability therefore also minimizes operating costs.

# Hoist Classification



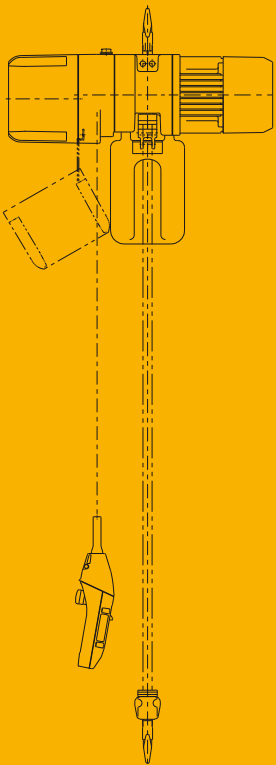
## FEM Comparison between ISO- and FEM- Denominations

1Dm	1Cm	1Bm	1Am	2m	3m	4m	5m
M1	M2	M3	M4	M5	M6	M7	M8

Load Spectrum	Cubic mean value	Class of operating									
		M3	M4	M5	M6	M7	M8				
		V0,06	V0,12	V0,25	V0,5	V1	V2	V3	V4	V5	
		T0	T1	T2	T3	T4	T5	T6	T7	T8	
		Average operating time in hours									
Light L1	$K \leq 0,50$	-	-	1Dm	1Cm	1Bm	1Am	2m	3m	4m	
Moderate L2	$0,50 < K \leq 0,63$	-	1Dm	1Cm	1Bm	1Am	2m	3m	4m	5m	
Heavy L3	$0,63 < K \leq 0,80$	1Dm	1Cm	1Bm	1Am	2m	3m	4m	5m	-	
Very Heavy L4	$0,80K \leq 1,00$	1Cm	1Bm	1Am	2m	3m	4m	5m	-	-	

Total duration of use		Average operating time per days in hours	Total operating time in Hours
V0,06	T0	$\leq 0,12$	200
V0,12	T1	$\leq 0,25$	400
V0,25	T2	$\leq 0,5$	800
V0,5	T3	$\leq 1$	1 600
V1	T4	$\leq 2$	3 200
V2	T5	$\leq 4$	6 300
V3	T6	$\leq 8$	12 500
V4	T7	$\leq 16$	25 000
V5	T8	$> 16$	50 000

The grade symbols are identical to those of FEM 9.511.  
Rules for Design of Serial Lifting Equipment: Classification of Mechanisms



### 1. Top Hook Suspension

The connecting shaft that was previously attached inside the body is now mounted on the outside of the ER2. This allows a top hook or suspender to be attached or removed with ease (except for body F).

### 2. Aluminium Die-cast Body

Designed with strength and stability in mind, the body is both lightweight and tough.

### 3. Chain Container

Made of durable canvas.

### 4. Load Chain

Nickel plated load chain  
Class DAT (G 80)  
Norm EN 818-7

### 5. Push Button Control

New ergonomic design, it is easier to use, greater durability, and is included as standard equipment.

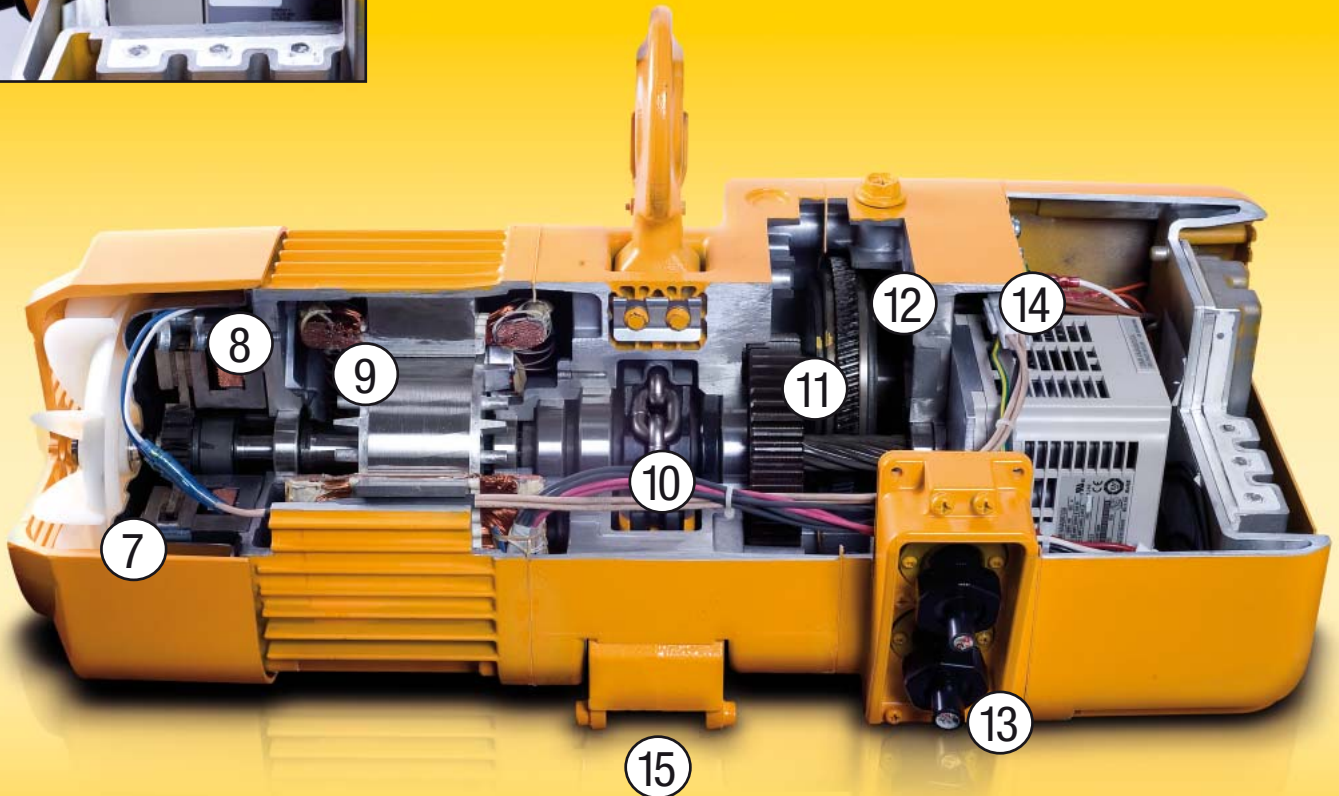
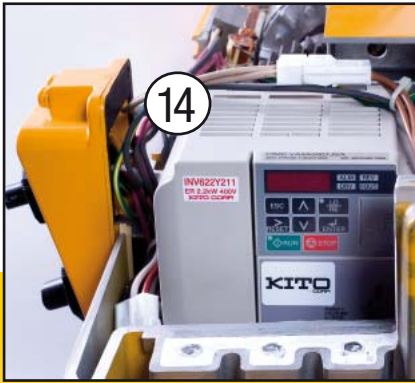
### 6. Bottom Hook

The load hook is fitted with a safety latch and can swivel 360°, reducing kinking and twisting of the load chain.

### 7. External Motor Fan

The aluminium die cast motor frame with external motor fan cools the hoist during heavy use.

# ER2 - OVERVIEW



## 8. Electromagnetic Brake

The electromagnetic brake generates strong braking forces and holds the load securely.

## 9. Thermal Motor Protector

A sensor will cut the power in the case of overheating.

## 10. Chain Guide

KITO's unique design chain guide for smooth chain feeding

## 11. Gearbox

Helical gears offer a smooth and quiet the operation.

## 12. Friction Clutch

Developed by KITO as an overload protection which interrupts the transmission power from the motor, in case the hoist is overloaded.

## 13. Direct Wiring

Easy to connect and disconnect using special internal connectors.

## 14. CH Meter with Integrated Inverter

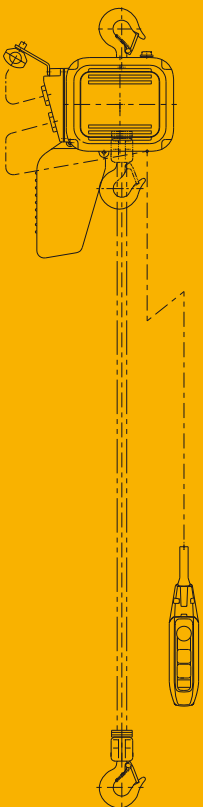
The LCD-Display displays and counts the number of lifting cycles and operating time. With the help of the displayed data, inspection and replacement intervals can effectively be controlled.

## 15. Upper-Lower Limit Switch

The limit switch turns the motor off when the highest or lowest points have been reached.

## Standard features

- > 400 V / 50 Hz
- > Inverter for 2 lifting speeds
- > Contactor control for 1 lifting speed
- > Ergonomic push button control
- > Electromagnetic brake
- > Upper-lower limit switch
- > Counter hour meter
- > Thermal protector
- > Carbon friction clutch
- > Nickel plated load chain, class DAT (G 80) Norm EN 818 - 7
- > Canvas chain container



With an increased number of chain pockets on the load sheave (between 5 & 6 based on capacity), vibrations are reduced ensuring a smooth operation.



# Options

Customized heights of lifting, push button control and power supply cable lengths are available upon request.

- > Motorized trolley
- > Geared trolley
- > Plain trolley
- > Electric overload protection
- > Steel chain container
- > Mechanical brake with friction clutch
- > Remote radio control
- > 500 V / 50 Hz, 3 PH Contactor control
- > 230 V / 50 Hz / 60 Hz, 3 PH
- > Level limiter
- > Acoustic overload
- > Rubber bumpers for the motorized trolley
- > Stepless push button control

## Mechanical brake with friction clutch

KITO's own design, the friction clutch and mechanical brake operate in conjunction with each other and are available for capacities of 10 t or lower. (Please request at the time of order)

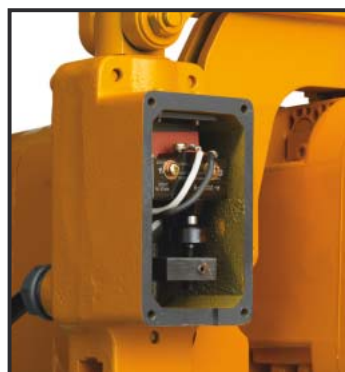


## Overload limiter

For additional security, the overload limiter (YL2) is recommended as an option. It activates once 115 % of the rated capacity is reached and protects the hoist from damage which may be caused by an overload weight (after the overload limiter is activated a load can still be lowered).

Standard Setting: 115 % of rated capacity

Adjustable Setting: from 90 % to 135 % of rated capacity



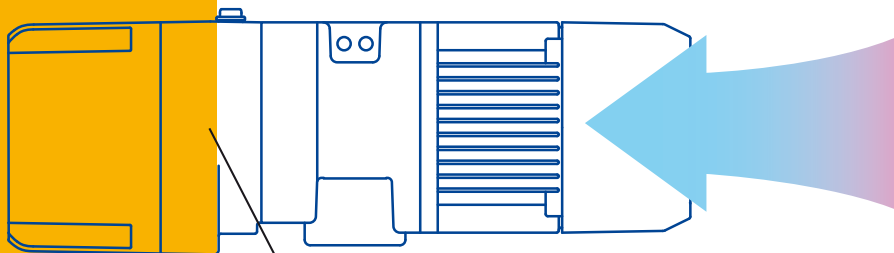
## Reliability

The ER2 houses a 4-pole high performance motor with enhanced ventilation and quieter operation.



## Impressive Duty and Cycle Ratings

The ER2 achieves an FEM classification of 3m (M6 ISO) for capacities up to 500 kg with up to an operating time of up to 60%. This long lasting chain hoist is a high performance product, which is ready for difficult operating conditions and designed for use in demanding applications. The gears are bathed in oil, increasing wear resistance while improving cooling.



Gears



# Optimized Ergonomics

The durable push button control was conceived with ergonomics and ease of use in mind. Through its design, the push button control ensures a high level of safety and work efficiency. Comfortable to hold, the contoured control rests securely in your hand. Its touch sensitive buttons provide a light feel that reduces fatigue.



Source: Indukran



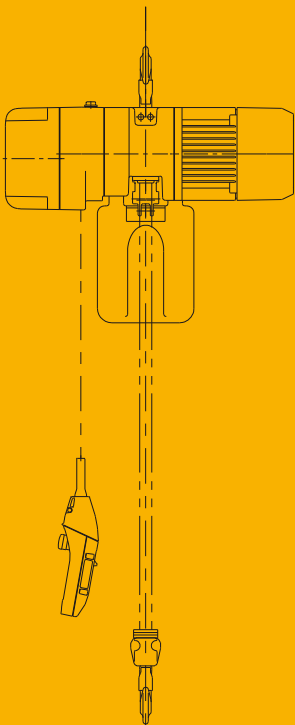
Back lug for firm grip



For cranes with motorized trolleys, we offer a special combination crane and hoist push button control (7 button).

## Environmentally Conscious

KITO chain hoists are never only evaluated purely on economics, but also in ecological aspects. The symbiosis of a high performance machine and environmentally friendly production techniques are the foundation of the KITO Hoist programme.



### Environmentally friendly applications

In order to reduce negative impacts on the environment, KITO has banned the use of harmful substances, specifically 6 substances, which are listed in the European directive RoHS (Restriction on Hazardous Substances).

### Energy saving

The ER2 consumes on average 20-25% less electricity as its predecessor, the ER.

### Quieter operation

The employment of an inverter, 4-pole motor, and also the electromagnetic brake reduces sound emissions during operation and braking.

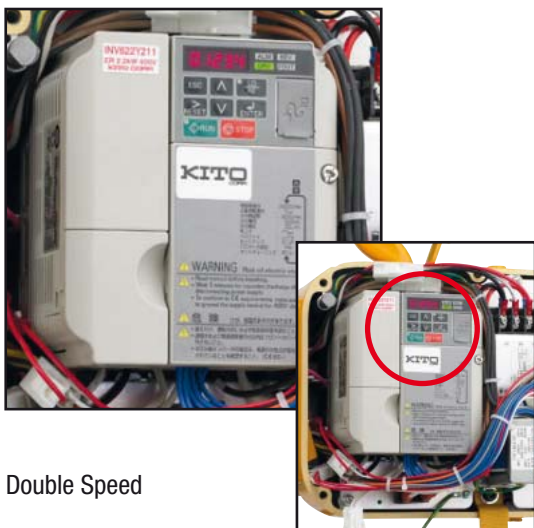
# User Friendly

The hook suspension is installed by an external clip and bolt to the ER2, allowing the hook or hook suspension to be attached or removed with ease. The electronic parts are logically arranged; therefore maintenance and parts replacement can be carried out with little effort. The body is attached by a strap, to prevent it from falling when opened.

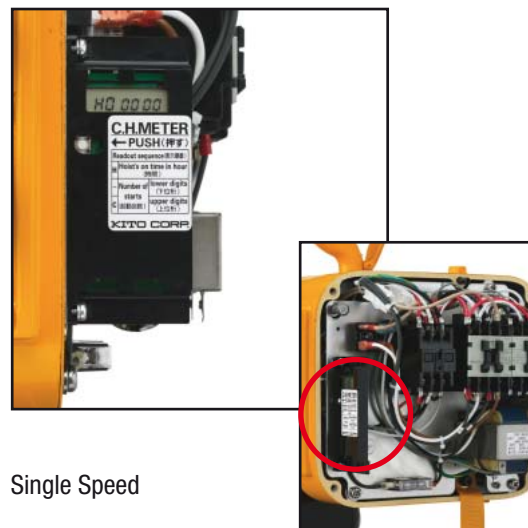


## Hour counter (CH-Meter)

Included as a standard feature of the chain hoist, the timer & lowering start-counter with LCD display tracks the operating time and counts the number of lifting cycles. With the help of the displayed data, inspection and service intervals can be effectively organized and a correct maintenance program can be implemented.



Double Speed



Single Speed

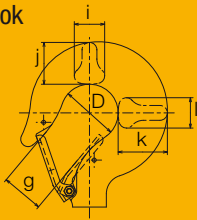
# Standard Hook Specifications



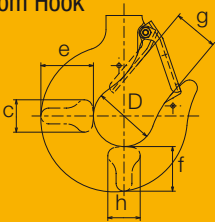
Should the hoist be operated outside we strongly recommend it be covered or roofed in the park position.



Top Hook



Bottom Hook



Product Code	Top Hook (mm)						Bottom Hook (mm)						
	D	g	i	j	k	l	D	g	h	f	e	c	
ER2-001H/IH													
ER2-003S/IS													
ER2-003H/IH	35,5	27,0	17,5	23,5	28,0	17,5	35,5	27,0	17,5	23,5	28,0	17,5	
ER2-005L/IL													
ER2-005S/IS													
ER2-010L/IL													
ER2-010S/IS	42,5	31,0	22,5	31,0	36,5	22,5	42,5	31,0	22,5	31,0	36,5	22,5	
ER2-016S/IS							47,5	34,0	26,5	36,5	43,5	26,5	
ER2-020L/IL	53,0	39,0	31,5	43,5	51,5	31,5							
ER2-020S/IS							53,0	39,0	31,5	43,5	51,5	31,5	
ER2-025S/IS	60,0	44,0	32,5	44,0	52,0	32,5							
ER2-032S/IS			34,5	47,5	56,0	34,5	60,0	44,0	34,5	47,5	56,0	34,5	
ER2-050S/IS	63,0	47,0	42,5	56,0	67,0	42,5	63,0	47,0	42,5	56,0	67,0	42,5	

# Dependable Safety

Assuring safety is the most important role for a hoist and is required for a stable workflow. Addressing this need KITO has set two safety mechanisms in place; one the newly developed friction clutch and the other an upper-lower limit switch.



## Electromagnetic Brake

The current driven, electromagnetic brake does not release until the motor circuit is activated. In comparison to other motor and brake mechanisms commonly found on the market this trigger immensely improves the overall safety of the system.



## Limit Switch

In case the load is inattentively raised or lowered the limit switch stops the motor and prevents the load chain or hoist from potential damage. The design of the limit switch allows for effective use of the lifting height of the hoist.

## Chain Container

The containers are mounted via various connection methods; customized to the model of the hoist and/or the lifting height. In some cases they can be suspended from an additional trolley.



**Hardened plastic**



**Canvas**



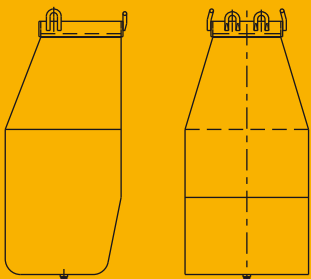
**Chain attachment**



**Hook attachment**



**Trolley attachment**

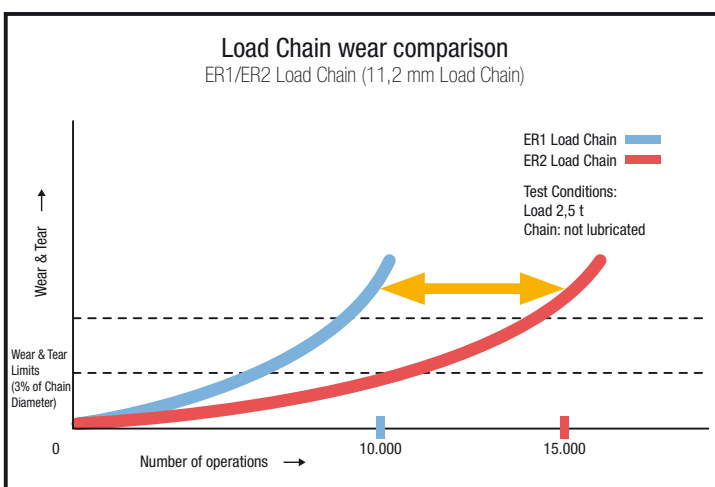


Product Code	Body	≤ 4 m	4,1 ≤ 6m	6,1 ≤ 8m	8,1 ≤ 9m	9,1 ≤ 12m	12,1 ≤ 15m	15,1 ≤ 18m	18,1m<
ER2-001H/IH	B								
ER2-003S/IS									
ER2-003H/IH	C								
ER2-005S/IS									
ER2-010L/IL	D								
ER2-010S/IS									
ER2-016S/IS	E								
ER2-020L/IL									
ER2-020S/IS									
ER2-025S/IS	F								
ER2-032S/IS	E								
ER2-050S/IS	F								
ER2-075S/IS									
ER2-100L/IL									
ER2-100S/IS									
ER2-150S/IS									
ER2-200S/IS									

# Load Chain

meets the quality standard DAT (G80) Norm EN 818-7

Developed specifically for the ER2, this nickel plated load chain serves itself with a unique hardening technology. Continuous testing of the chain's strength and wear resistance show that fatigue resistance has significantly improved. KITO load chains are quality class DAT (G80) Norm EN 818-7. Fachausschuss Metall- und Oberflächenbehandlung Hannover, testing- and certification body from the BG-PRÜFZERT.



The Load Chain may not be lengthened by adding additional chain. It must be replaced by another chain with the appropriate lifting height.

## Chain Diameter in mm

ER2-001IH/H	125 kg	4,3 x 12,0	KER2-043
ER2-003IS/S	250 kg	4,3 x 12,0	KER2-043
ER2-003IH/H	250 kg	6,0 x 16,8	KER2-060
ER2-005IL/L	500 kg	6,0 x 16,8	KER2-060
ER2-005IS/S	500 kg	6,0 x 16,8	KER2-060
ER2-010IL/L	1000 kg	7,7 x 21,5	KER2-077
ER2-010IS/S	1000 kg	7,7 x 21,5	KER2-077
ER2-016IS/S	1600 kg	10,2 x 28,5	KER2-102
ER2-020IL/L	2000 kg	10,2 x 28,5	KER2-102
ER2-020IS/S	2000 kg	10,2 x 28,5	KER2-102
ER2-025IS/S	2500 kg	11,2 x 31,3	KER2-112
ER2-032IS/S	3200 kg	10,2 x 28,5	KER2-102
ER2-050IS/S	5000 kg	11,2 x 31,3	KER2-112

## Compact and light

The compact aluminum die-cast body has exceptional rigidity as well as dust and water resistance. It has a logical design with a small number of parts.



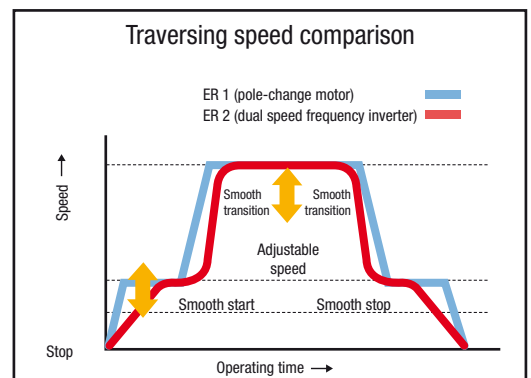
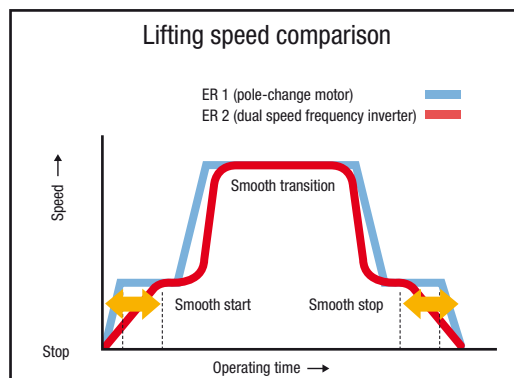
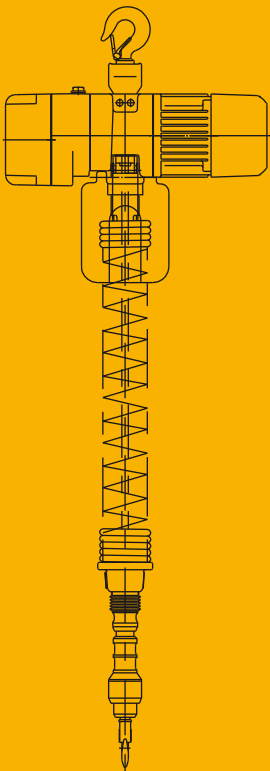
### Reduced Headroom

Capacity:	Single / Dual Speed – 125 kg to 20,0 t
Standard Lifting Height	3 m
Standard Push Button	2,5 m / 2,8 m / 3,3 m / 3,7 m
Cord Length	Varies based on capacity
Voltage:	380-415 V / 50 Hz 380-440 V / 60 Hz 230 V / 50 Hz – upon request 500 V / 50 Hz – upon request
Control voltage:	24 V
Duty rating:	Single speed – 60% ED (60 min.) Dual speed – 40/20% ED (30/10 min.)
Classification:	1 Am, 2m, 3m (FEM), M4, M5 , M6 (ISO);
Motor insulation:	Class B for 230 V Class F for 415 V
Enclosure IP rating:	Hoist Body – IP55, Push button control- IP 65
Suspension options:	Hook, manual trolley, motorized trolley
Operating temperature:	-20 bis + 40 °C
Operating Humidity:	85% or less

### Quiet operation

The inverter provides a noticeably quieter operation than contactor controlled hoists, while reducing swinging of the load. The standard speed ratio set at the factory is 6:1, but it can be adjusted to 12:1\* (Traversing speed 10:1\*). This allows the operator to place and control the load precisely. The ER2/MR2 with inverter is ideal for lifting and traversing applications and guarantees great handling. The body is impact resistant and protects the inverter from the working environment.

Accelerating and decelerating time in addition to speed are also adjustable via the inverter for dual speed motorized trolleys.





# Trolleys

## Motorized Trolley MR2

Thanks to specially constructed side mounted rollers the MR2 easily glides through tight spaces. The entire ER2 electric chain hoist series can be paired with an MR2 Motorized Trolley.

### Features:

- > Minimal curve radius tolerances
- > Robust and simple construction
- > Smoother & quieter operation thanks to a lighter gearbox and lower motor speeds:
  - Single Speed Low (50 Hz, 10 m/min)
  - Single Speed Standard (50 Hz, 20 m/min)
  - Dual Speed (50 Hz, 24/4 m/min)

## Plain- and Geared Trolley

- > Developed for smooth and precise traversing.
- > Lugs and bumpers protect the wheels from damage. They also prevent the trolley from falling off the beam.

125 kg to 3 t



5 t



125 kg to 3 t



5t to 20 t

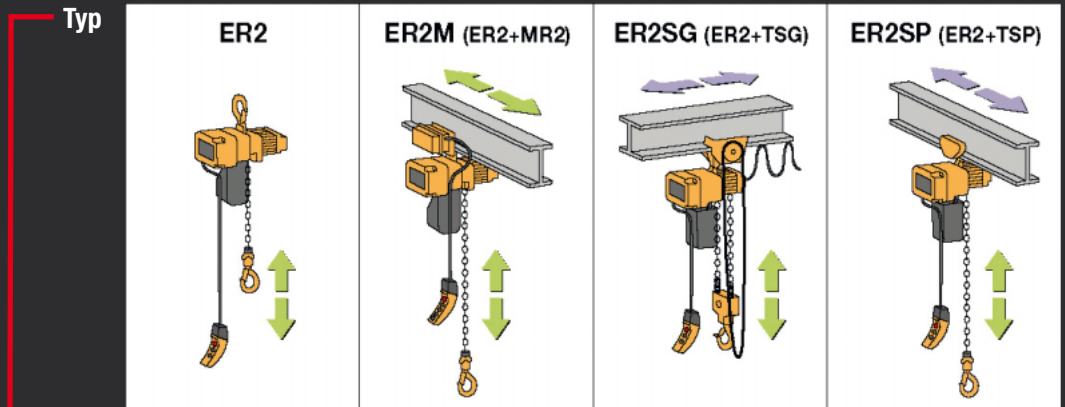


### Plain Trolley TSP

- > Designed for light load manual applications. (125 kg to 5 t)

### Geared Trolley TSG

- > Designed for precise positioning, ideal for short distances. (125 kg to 20 t)



**ER2M 010 IS - IS**

### Capacity

Code	Capacity
001	125 kg
003	250 kg
005	500 kg
010	1,0 t
016	1,6 t
020	2,0 t
025	2,5 t
032	3,2 t
050	5,0 t
075	7,5 t
100	10,0 t
150	15,0 t
200	20,0 t

### Lifting Speed

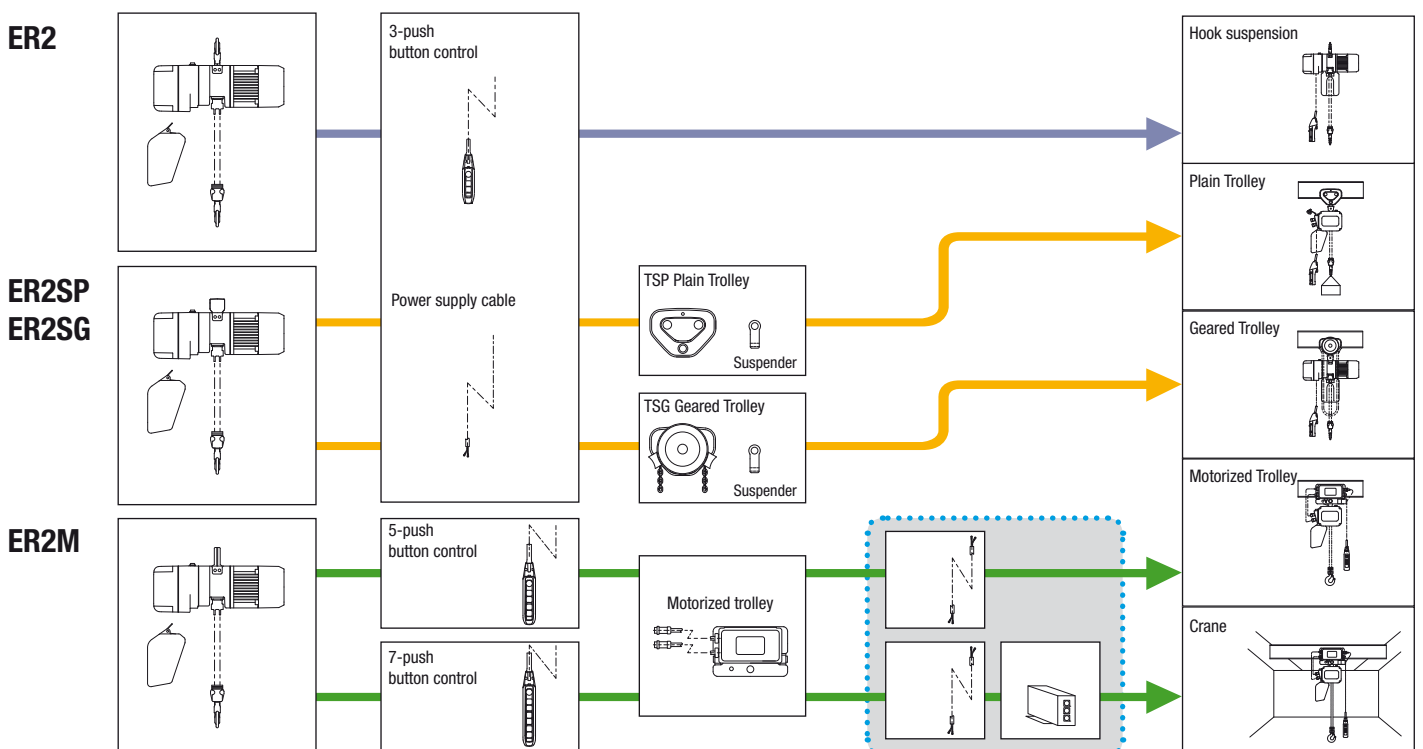
Code	Lifting Speed
S	Single, standard
L	Single, low
H	Single, high
IS	Dual, standard
IL	Dual, low
IH	Dual, high

### Traversing Speed

Code	Traversing Speed
S	Single, standard
L	Single, low
IS	Dual, standard
IL	Dual, low

Example: For ER2M010IS-IS, the electric chain hoist would be identified as „ER2-010IS“, and the motorized trolley as „MR2-010IS“.

# Product Configuration



Should the hoist be operated outside we strongly recommend it be covered or roofed in the park position.

# Lifting- and Traversing Speed

## Lifting Speed

Capacity (t)	50 Hz					
	Single Speed*			Dual Speed*		
	Low	Low	High	Low	Low	High
125 kg			14,1			1,4 to 16,6
250 kg		9,1	13,4		0,9 to 10,8	1,3 to 15,7
500 kg	3,8	7,3		0,4 to 4,5	0,7 to 8,5	
1,0	3,5	7,1		0,3 to 4,2	0,7 to 8,2	
1,6		4,5			0,4 to 5,3	
2,0	3,7	7,0		0,4 to 4,3	0,7 to 8,2	
2,5		5,7			0,6 to 6,6	
3,2		4,4			0,4 to 5,2	
5,0		2,9			0,3 to 3,3	
7,5		1,9			0,2 to 2,2	
10,0	1,4	2,9		0,15 to 1,7	0,3 to 3,3	
15,0		1,9			0,2 to 2,2	
20,0		1,4				0,15 to 1,7

Type	Lifting Speed		Capacity (t)														
			125 kg	250 kg	500 kg	1	1,6	2	2,5	3,2	5	High Capacity					
													7,5	10	15	20	
Model ER2 with Hook suspension	Single Speed	low			•	•		•									
		standard		•	•	•	•	•	•	•	•		•	•	•		
		high	•	•													
	Dual Speed Invertor	low			•	•		•					•				
		standard		•	•	•	•	•	•	•	•		•	•	•		
		high	•	•													
Model ER2M with Motorized Trolley Model ER2SP (over 5 t) with Plain Trolley Model ER2SG with Geared trolley	Single Speed	low			•	•		•					•				
		standard		•	•	•	•	•	•	•	•	•	•	•	•		
		high	•	•													
	Dual Speed Invertor	low			•	•		•					•				
		standard		•	•	•	•	•	•	•	•	•	•	•	•		
		high	•	•													

\* The speed ratio for the Motorized Trolley with inventory is preset at KITO factory in Japan at 6:1

\*\* By operating with 60 Hz the lifting speed will be 20 % faster

# CDER2 Dual Speed / Single Speed Cylinder Control

## Electric Chain Hoist with Hook Suspension

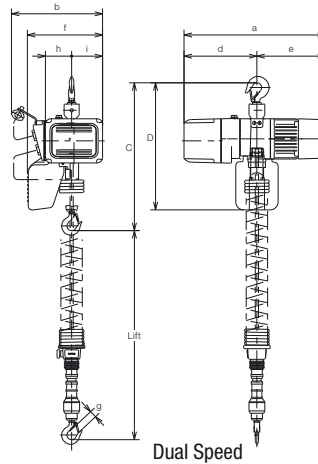
> The CDER is supplied with a plastic chain container



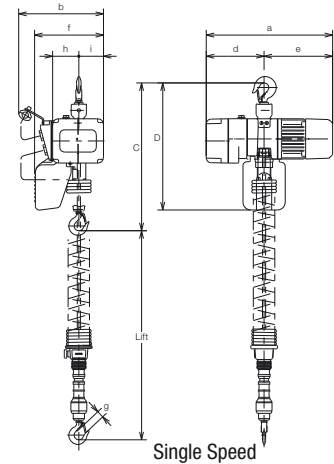
Dual Speed



Single Speed



Dual Speed



Single Speed

### Technical Specifications

Capacity (t)	Product Code	Hoist Body	Standard Lift (m)	Lifting Motor		Lifting Speed (m/min)*		Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)
				Output (kW)	Rating (%ED)	50Hz		Diameter (mm) x Chain-Falls					
						high	low						
125 kg	ER2C001IH	B	1,8	0,56	40/20	Preset	16,6	2,8	4,3 x 1	M5/2m	156 kg	29	0,42
						Adjustable		1,4					
250 kg	ER2C003IS					Preset	10,8	1,8					
						Adjustable		0,9					

\*Note: The high speed is preset to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced.

### Single Speed / Dimensions (mm)

Capacity (t)	Product Code	Hoist Body	Standard Lift (m)	Lifting Motor		Lifting Speed (m/min)*		Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)
				Output (kW)	Rating (%ED)	50Hz		Diameter (mm) x Chain-Falls					
						high	low						
125 kg	ER2C001H	B	1,8	0,56	60	14,1		4,3 x 1	M5/2m	156 kg	30	0,42	
250 kg	ER2C003S					9,1							

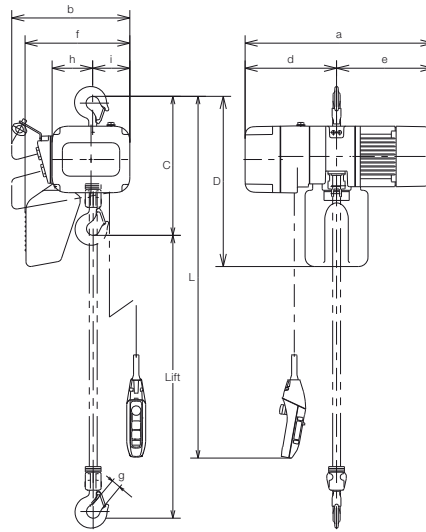
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	d	e	f	g	h	i
125 kg	ER2C001IH	1065	490	535	345	276	259	284	27	99	117
250 kg	ER2C003IS										
125 kg	ER2C001HD	1065	490	478	321	219	259	260	27	99	93
250 kg	ER2C003SD										
125 kg	ER2C001H	1065	490	478	321	219	259	260	27	99	93
250 kg	ER2C003S										



# ER2 Dual Speed

## Electric Chain Hoist with Hook Suspension



### Technical Specifications

Capacity (t)	Product Code	Body	Lifting Motor		Lifting Speed* (m/min)		Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)		
			Output (kW)	Rating (%ED)	50Hz		Diameter (mm)	Chain-Falls						
					high	low								
125 kg	ER2-001IH	B	0,56		Preset	16,6	2,8	4,3	x	1	M6/3m	156 kg	27	0,42
					Adjustable		1,4							
250 kg	ER2-003IS		0,9		Preset	10,8	1,8	6,0	x	1	M6/3m	313 kg	36	
					Adjustable		0,9							
500 kg	ER2-005IL	C	0,56		Preset	15,7	2,6	7,7	x	1	M5/2m	625 kg	32	0,81
					Adjustable		1,3							
1,0	ER2-005IS	D	0,9	40/20	Preset	4,5	0,8	10,2	x	1	M4/1Am	2,5	36	
					Adjustable		0,4							
1,6	ER2-010IL		1,8		Preset	8,5	1,4	11,2	x	1	M4/1Am	3,13	100	2,8
					Adjustable		0,7							
2,0	ER2-010IS	E			Preset	4,2	0,7	10,2	x	1	M4/1Am	2,5	73	2,3
					Adjustable		0,3							
2,5	ER2-016IS		1,8		Preset	8,2	1,4	11,2	x	2	M4/1Am	4	105	4,7
					Adjustable		0,7							
3,2	ER2-020IL		3,5		Preset	5,3	0,9	11,2	x	2	M4/1Am	6,25	128	5,6
					Adjustable		0,4							
5,0	ER2-020IS	F			Preset	4,3	0,7	11,2	x	1	M4/1Am	3,13	100	2,8
					Adjustable		0,4							
2,5	ER2-025IS		3,5		Preset	8,2	1,4	11,2	x	2	M4/1Am	6,25	128	5,6
					Adjustable		0,7							
3,2	ER2-032IS				Preset	6,6	1,1	11,2	x	2	M4/1Am	6,25	128	5,6
					Adjustable		0,6							
5,0	ER2-050IS	F			Preset	5,2	0,9	11,2	x	2	M4/1Am	6,25	128	5,6
					Adjustable		0,4							

\* Note: The high speed is present to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced.

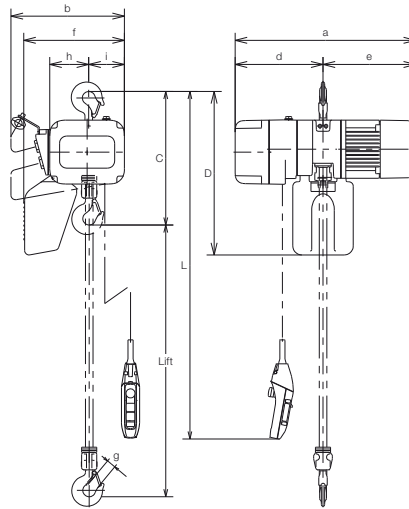
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	d	e	f	g	h	i
125 kg	ER2-001IH	350	430	535	345	276	259	284	27	99	117
250 kg	ER2-003IS			568			268				
	ER2-003IH										
500 kg	ER2-005IL	370	490	571	348	300	271	283	27	113	106
	ER2-005IS			568			268				
1,0	ER2-010IL	430	550	614	376	316	298	335	31	129	118
	ER2-010IS			623			307				
1,6	ER2-016IS	510		710		372	338		34		
2,0	ER2-020IL	575	630	710	427	372	338	384,5		160,5	137,5
	ER2-020IS	590		767		411	356		39		
2,5	ER2-025IS	625	840	800	445	401	399	437,5		173,5	142,5
3,2	ER2-032IS	785	920	767	427	411	356	397	44	216	82
5,0	ER2-050IS	850		800	445	401	399	439	47	231,5	84,5



# ER2 Single Speed

## Electric Chain Hoist with Hook Suspension



### Technical Specifications

Capacity (t)	Product Code	Body	Lifting Motor		Lifting Speed* (m/min)		Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)
			Output (kW)	Rating (%ED)	50Hz	Diameter (mm) x Chain-Falls						
125 kg	ER2-001H	B	0,56	60	14,1	4,3 x 1	M5/2m	156 kg	27	0,42		
250 kg	ER2-003S				9,1							
		ER2-003H	0,9	13,4		313 kg	37					
500 kg	ER2-005L	C	0,56	60	3,8	6,0 x 1	M5/2m	625 kg	33	0,81		
					ER2-005S						7,3	
1,0	ER2-010L	D	0,9	60	3,5	7,7 x 1		1,25	47	1,33		
					ER2-010S				7,1		54	
1,6	ER2-016S	E	1,8	60	4,5	10,2 x 1		2	72	2,3		
2,0	ER2-020L				3,7				73			
		ER2-020S	7,0	91								
2,5	ER2-025S	F	3,5	60	5,7	11,2 x 1	M4/1Am	3,13	104	2,8		
3,2	ER2-032S	E			4,4				10,2 x 2		4	107
5,0	ER2-050S	F			2,9	11,2 x 2		6,25	132	5,6		

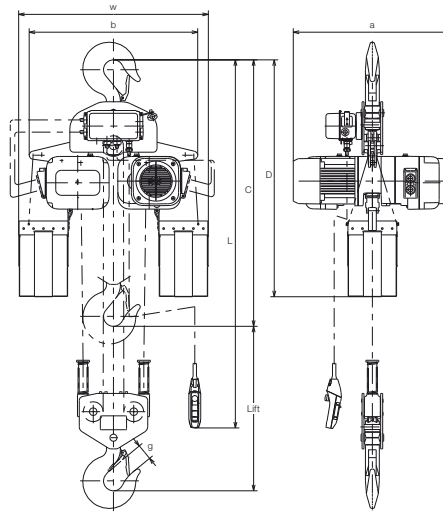
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	d	e	f	g	h	i
125 kg	ER2-001H	350	430	478	321	219	259	260	27	99	93
250 kg	ER2-003S			510			268				
		ER2-003H									
500 kg	ER2-005L	370	490	513	348	242	271	283	27	113	106
				ER2-005S			510				
1,0	ER2-010L	430	550	589	376	291	298	335	31	129	118
				ER2-010S			598				
1,6	ER2-016S	510		646		308	338		34		
2,0	ER2-020L	575	630		427	347	356	384,5	39	160,5	137,5
		ER2-020S		590							
2,5	ER2-025S	625	840	736	445	337	399	437,5		173,5	142,5
3,2	ER2-032S	785		703	427	347	356	397	44	216	82
5,0	ER2-050S	850	920	736	445	337	399	439	47	231,5	84,5



# ER2 Large Capacity Dual Speed

## Electric Chain Hoist with Hook Suspension



### Dual Speed / Technical Specifications

Capacity (t)	Product Code	Body	Lifting Motor		Lifting Speed* (m/min)		Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)		
			Output (kW)	Rating (%ED)	50Hz		Diameter (mm)	Chain-Falls						
					high	low								
10,0	ER2-100IS				Preset	3,3	0,6	11,2	x	4		12,5	303,0	11,0
					Adjustable		0,3							
15,0	ER2-150IS	F	3,5 x 2	40/20	Preset	2,2	0,4	11,2	x	6	M4/1Am	18,8	404,0	17,0
					Adjustable		0,2							
20,0	ER2-200IS				Preset	1,7	0,3	11,2	x	8		25,0	476,0	22,0
					Adjustable		0,2							

\* Note: The high speed is present to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced.

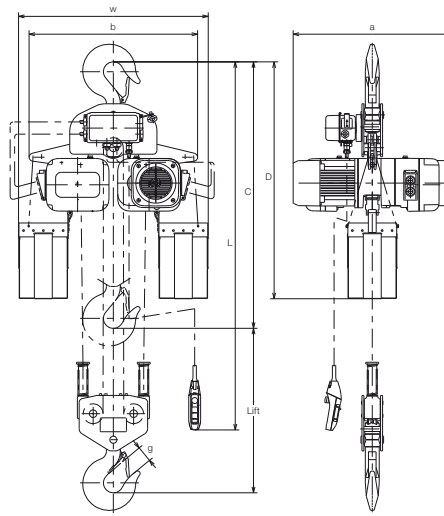
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	w	g
10	ER2-100IS	1370	1210		849	956	80
15	ER2-150IS	1595	1520	798	1022	1129	86
20	ER2-200IS	1710	1600		1198	1305	102



# ER2 Large Capacity Single Speed

## Electric Chain Hoist with Hook Suspension



### Single Speed / Technical Specifications

Capacity (t)	Product Code	Body	Lifting Motor		Lifting Speed* (m/min)	Load Chain		Classification ISO/FEM	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)
			Output (kW)	Rating (%ED)		Diameter (mm)	Chain-Falls				
10,0	ER2-100S				50Hz 2,9	11,2	x 4		12,5	303,0	11,0
15,0	ER2-150S	F	3,5 x 2	60	1,9	11,2	x 6	M4/1Am	18,8	404,0	17,0
20,0	ER2-200S				1,4	11,2	x 8		25,0	476,0	22,0

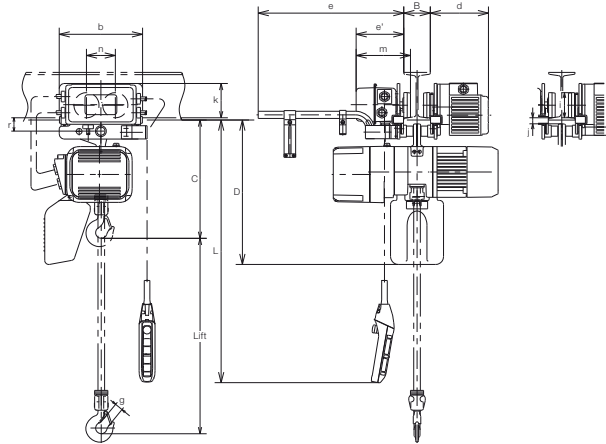
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	w	g
10,0	ER2-100S	1370	1210		849	956	80
15,0	ER2-150S	1595	1520	798	1022	1129	86
20,0	ER2-200S	1710	1600		1198	1305	102



# ER2M Dual Lifting / Dual Traversing Speed

## Electric Chain Hoist with Hook Suspension



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						MR2						Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)					
			Lifting Speed		LiftingSpeed* (m/min)		Load Chain		Load Chain Classification ISO/FEM		Traversing Motor		Traversing Speed* (m/min)					Flange Width B (mm)		Min. Radius-Curve (mm)		
			Output (kW)	Rating (%ED)	50Hz		Diame-ter (mm)	Chain-Falls	Output (kW)	Rating (%ED)	50Hz		Standard	Option W30 (305mm)								
					High	Low					High	Low										
125 kg	ER2M001IH-IS	B	0,56	Preset	16,6	2,8	4,3	x	1	M6/3m	0,4	27/13	Standard	24	4	58 to 163	164 to 305	800	156 kg	59	0,42	
	Adjustable			10,8	1,4	0,9																
250 kg	ER2M003IS-IS		0,9	Preset	15,7	2,6													313 kg	69		
	Adjustable			15,7	1,3	0,9																
500 kg	ER2M005IL-IS	C	0,56	Preset	4,5	0,8	6,0	x	1											625 kg	65	0,81
	Adjustable			8,5	0,4	0,7																
1,0	ER2M010IL-IS	D	40/20	Preset	4,2	0,7	7,7	x	1	M5/2m	0,4	27/13	Standard	24	4				1,25	77	1,33	
	Adjustable			8,2	0,3	0,7																
1,6	ER2M016IS-IS		1,8	Preset	5,3	0,9							Adjustable	24	2,4				2,0	111		
	Adjustable			4,3	0,4	0,4																
2,0	ER2M020IL-IS	E		Preset	4,3	0,7	10,2	x	1							82 to 204	205 to 305		2,5	112	2,3	
	Adjustable			8,2	0,4	0,7																
2,5	ER2M025IS-IS	F	3,5	Preset	6,6	1,1	11,2	x	1	M4/1Am									3,13	151	2,8	
	Adjustable			5,2	0,6	0,4																
3,2	ER2M032IS-IS	E		Preset	5,2	0,9	10,2	x	2										4,0	155	4,7	
	Adjustable			3,3	0,4	0,3																
5,0	ER2M050IS-IS	F		Preset	3,3	0,6	11,2	x	2		0,75					100 to 204		1800	6,25	200	5,6	

Note: The minimum curve radius varies based on the beam flange width. For model ER2M032IS-IS with a lifting height greater than 6 m a steel chain container incl. plain trolley is required. The high speed is preset to the maximum speed at the KITO factory in Japan. The low speed is adjustable. For further information please contact your local KITO dealer.

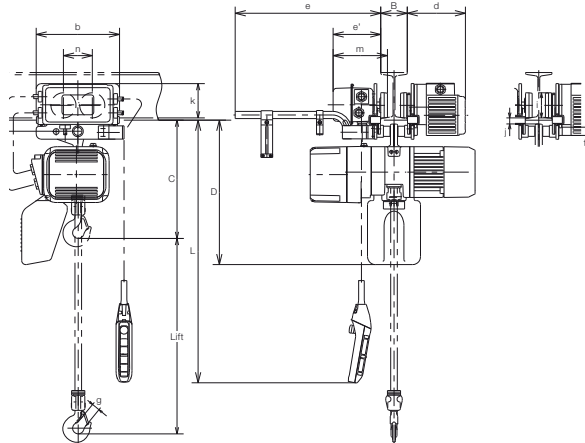
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	b	d	e	e'	g	i	j	k	m	n	r	t	
125 kg	ER2M001IH-IS	375	450													
250 kg	ER2M003IS-IS															
	ER2M003IH-IS							27								
500 kg	ER2M005IL-IS	395	510	315	220	515	179		95	22	130	205	109	51	31	
	ER2M005IS-IS															
1,0	ER2M010IL-IS	435	550													
	ER2M010IS-IS															
1,6	ER2M016IS-IS	505						34								
2,0	ER2M020IL-IS	570	630	325	225	520	184		110	27	125	212	118	60	36	
	ER2M020IS-IS	585														39
2,5	ER2M025IS-IS	620	830													
3,2	ER2M032IS-IS	765	900	340	226	521	186		44	125	29	131	215	132	68	43
5,0	ER2M050IS-IS	840	910	400	281	528	192	47	140	44	145	233	150	86	54	



# ER2M Dual Lifting / Single Traversing Speed

## Electric Chain Hoist with Motorized Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						MR2					Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)								
			Lifting Motor		Lifting Speed		Load Chain		Classi- fication ISO/ FEM	Traversing Motor		Traver- sing Speed (m/min)*	Flange Width- B (mm)				Min. Radius- Curve (mm)							
			Output (kW)	Rating (%ED)	50Hz		Dia- meter x Chain- Falls	Output (kW)		Rating (%ED)	50Hz		Standard					Option W30 (305mm)						
					high	low																		
125 kg	ER2M001IH-S/L	B	0,56	Preset Adjustable	16,6	2,8 1,4	4,3 x 1	M6/3m									156 kg	58	0,42					
	ER2M003IS-S/L				10,8	1,8 0,9														6,0 x 1				
250 kg	ER2M003IH-S/L		0,9	Preset Adjustable	15,7	2,6 1,3																		
	ER2M005IL-S/L	C	0,56	Preset Adjustable	4,5	0,8 0,4																		
500 kg	ER2M005IS-S/L				0,9	Preset Adjustable	8,5	1,4 0,7																
	ER2M010IL-S/L	D	40/20	Preset Adjustable	4,2	0,7 0,3																		
1,0	ER2M010IS-S/L					Preset Adjustable			8,2	1,4 0,7	7,7 x 1	M5/2m	0,4	40	20									
	ER2M016IS-S/L		1,8	Preset Adjustable	5,3	0,9 0,4																		
2,0	ER2M020IL-S/L	E		Preset Adjustable	4,3	0,7 0,4					10,2 x 1													
	ER2M020IS-S/L			Preset Adjustable	8,2	1,4 0,7																		
2,5	ER2M025IS-S/L	F	3,5	Preset Adjustable	6,6	1,1 0,6					11,2 x 1	M4/1Am												
3,2	ER2M032IS-S/L	E		Preset Adjustable	5,2	0,9 0,4	10,2 x 2																	
5,0	ER2M050IS-S/L	F		Preset Adjustable	3,3	0,6 0,3	11,2 x 2		0,75															

\* Note: The high speed is present to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced. The maximum radius curve may depend on flange width. For model ER2M032IS-S/L with a lifting height greater than 6m a steel chain container incl. plain trolley is required. For further information please contact your local KITO dealer.

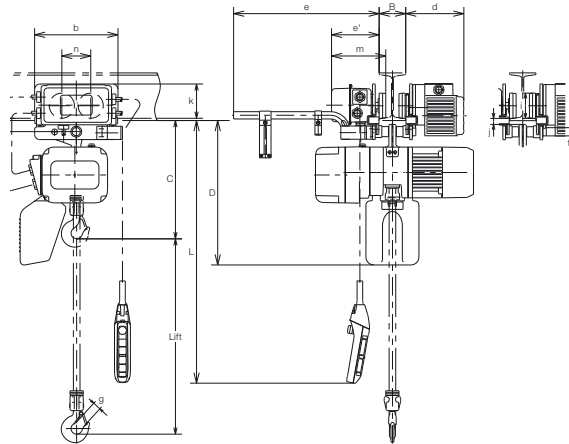
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	b	d	e	e'	g	i	j	k	m	n	r	t	
125 kg	ER2M001IH-S/L	375	450													
250 kg	ER2M003IS-S/L															
	ER2M003IH-S/L							27								
500 kg	ER2M005IL-S/L	395	510	315	220	515	179		95	22	130	205	109	51	31	
	ER2M005IS-S/L															
1,0	ER2M010IL-S/L	435	550													
	ER2M010IS-S/L															
1,6	ER2M016IS-S/L	505						34								
2,0	ER2M020IL-S/L	570	630	325	225	520	184		110	27	125	212	118	60	36	
	ER2M020IS-S/L	585														
2,5	ER2M025IS-S/L	620	830													
3,2	ER2M032IS-S/L	765	900	340	226	521	186		44	125	29	131	215	132	68	43
5,0	ER2M050IS-S/L	840	910	400	281	528	192		47	140	44	145	233	150	86	54



# ER2M Single Lifting / Single Traversing Speed

## Electric Chain Hoist with Motorized Trolley



### Technical Specifications

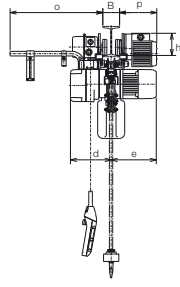
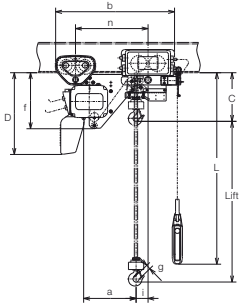
Capacity (t)	Product Code	ER2							MR2					Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)	
		Hoist-Body	Lifting Speed		Lifting Speed* (m/min)	Load Chain		Load Chain Classification ISO/FEM	Traversing Speed* (m/min)		Traversing Speed* (m/min)	Flange Width B (mm)					Min. Radius Curve (mm)
			Output (kW)	Rating (%ED)	50Hz	Diameter x Chain-Falls	Output (kW)		Rating (%ED)	50Hz	Standard	Option W30 (305mm)					
125 kg	ER2M001H-S/L	B	0,56	14,1	4,3 x 1	M5/2m	0,4	40	20	58 to 163	164 to 305	800	156 kg	58	0,42		
250 kg	ER2M003S-S/L												9,1	313 kg	68		
	ER2M003H-S/L	0,9	13,4														
500 kg	ER2M005L-S/L	C	0,56	3,8	6,0 x 1	M5/2m	0,4	40	20	58 to 163	164 to 305	800	625 kg	64	0,81		
	ER2M005S-S/L												0,9	7,3	68		
1,0	ER2M010L-S/L	D	60	3,5	7,7 x 1	M4/1Am	0,75						1,25	77	1,33		
	ER2M010S-S/L												7,1	84			
1,6	ER2M016S-S/L		1,8	4,5									2,0	110			
2,0	ER2M020L-S/L	E		3,7	10,2 x 1	M4/1Am	0,75						2,5	111	2,3		
	ER2M020S-S/L												7,0	129			
2,5	ER2M025S-S/L	F	3,5	5,7	11,2 x 1	M4/1Am						1000	3,13	152	2,8		
3,2	ER2M032S-S/L	E		4,4	10,2 x 2								4,0	155	4,7		
5,0	ER2M050S-S/L	F		2,9	11,2 x 2		0,75				100 to 204	1800	6,25	202	5,6		

Please note: The minimum radius curve varies based on the flange width. For model ER2M032S-S/L with a lifting height greater than 6m a steel chain container incl. plain trolley is required. For further information please contact your local KITO dealer.

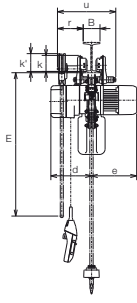
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	b	d	e	e'	g	i	j	k	m	n	r	t
125 kg	ER2M001H-S/L	375	450												
250 kg	ER2M003S-S/L														
	ER2M003H-S/L							27							
500 kg	ER2M005L-S/L	395	510	315	220	515	179		95	22	130	205	109	51	31
	ER2M005S-S/L														
1,0	ER2M010L-S/L	435	550												
	ER2M010S-S/L														
1,6	ER2M016S-S/L	505						34							
2,0	ER2M020L-S/L	570	630	325	225	520	184		110	27	125	212	118	60	36
	ER2M020S-S/L	585						39							
2,5	ER2M025S-S/L	620	830												
3,2	ER2M032S-S/L	765	900	340	226	521	186		125	29	131	215	132	68	43
5,0	ER2M050S-S/L	840	910	400	281	528	192	47	140	44	145	233	150	86	54

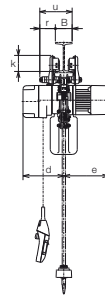
# SHER2M Ultra Low Headroom



SHER2M  
Motorized Trolley Type



SHER2SG  
Geared Trolley Type



SHER2SP  
Plain Trolley Type

## Headroom comparison

Capacity (t)	Code	Headroom C (mm)		
		A SHER2M	B Standard ER2M	Difference (A-B)
250 kg	003IS	265	375	-110
500 kg	005IL	285	395	-110
	005IS			
1,0	010IL	345	435	-90
	010IS			
1,6	016IS	435	505	-70
2,0	020IL	475	570	-135
	020IS			
3,2	032IS	610	765	-155
5,0	050IS	670	900	-230

## Technical Specifications

Capacity (t)	Product Code	ER2						Trolley						Test Load (t)	Net Weight (kg)			
		Hoist Body	Lifting Speed		Lifting Speed* (m/min)		Load Chain	Traversing Motor		Traversing Speed		Flange Width: B (mm)			with Motorized Trolley	with Geared Trolley	with Plain Trolley	
			Output (kW)	Rating (%ED)	High	Low		Diameter (mm) x Chain-Falls	Output (kW)	Rating (%ED)	High	Low	Standard					Option W30 (305 mm)
250 kg	SHER2M003IS-IS	B	0,56		Preset Adjustable	10,8 1,8 0,9	4,3 x 1					75 to 163	164 to 305	313 kg	78,0	61,0	56,0	
500 kg	SHER2M005IS-IS	C	0,9		Preset Adjustable	8,5 1,4 0,7	6 x 1							625 kg	90,0	73,0	68,0	
1,0	SHER2M010IS-IS	D	1,8		Preset Adjustable	8,2 1,4 0,7	7,7 x 1	0,4	27/13	Standard Adjustable	24 2,4	4 2,4	100 to 163	1,25	124,0	107,0	102,0	
1,6	SHER2M016IS-IS	E		40/20	Preset Adjustable	5,3 0,9 0,4	10,2 x 1											
2,0	SHER2M020IS-IS	F			Preset Adjustable	6,6 1,1 0,6	11,2 x 1						125 to 204	205 to 305	2,5	212,0	193,0	188,0
3,2	SHER2M032IS-IS	E	3,5		Preset Adjustable	4,1 0,7 0,4	10,2 x 2							4	241,0	222,0	217,0	
5,0	SHER2M050IS-IS	F			Preset Adjustable	3,3 0,6 0,3	11,2 x 2	0,75					150 to 204		6,25	322,0	307,0	300,0

Note: The high speed is preset to the maximum speed at the KITO factory. The speeds are adjustable between High and Low. Just for straight beams. Curved beams and flange width on request. For further information please contact your local KITO dealer.

## Dimensions (mm)

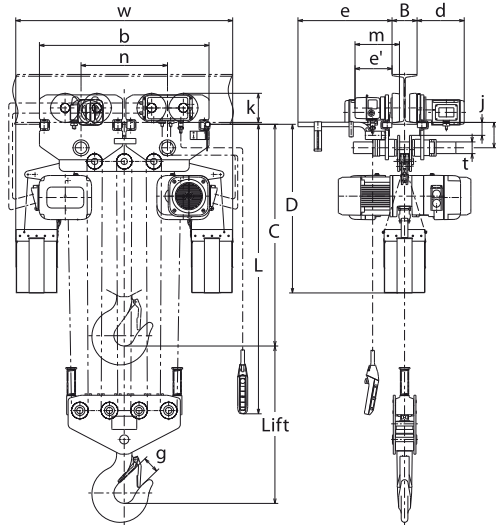
Capacity (t)	Product Code	Min. Headroom C	D	E	a	b	d	e	f	g	h	i	j	k	k'	n	o	p	r	u
250 kg	SHER2M003IS-IS	265	430		260	656 (616)	219	259	325			68				380				
500 kg	SHER2M005IS-IS	285	525		310	706 (666)	242	268	370	27	130	70	18	95	107	430	515	220	152 (56)	345 (249)
1,0	SHER2M010IS-IS	345	550	3700	339	734 (694)	291	307	405	31		77				458				
1,6	SHER2M016IS-IS	435	640		389	826 (803)	308	338	487	34		125	79	29	112	109	523	520	225	154 (69)
2,0	SHER2M020IS-IS	475	840		423	846 (823)	337	399	527	39						543				
3,2	SHER2M032IS-IS	610	830		435	892 (884)	347	356	487	44	131	45	24	134	115	560	521	226	157 (79)	398 (320)
5,0	SHER2M050IS-IS	670	860	4200	475	1057 (1057)	337	399	542	47	145	66	31	144	131	657	528	281	156 (53)	401 (297)

Note: The numbers in the column „b“ stand for the manual trolley types. The numbers in „r“ and „u“ stand for plain trolleys. The numbers in column „D“ stand for a lifting height of 4m. For further information please contact your local KITO dealer.



# ER2M Large Capacity Dual Lifting / Single Traversing Speed

## Electric Chain Hoist with Motorized Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						MR2				Min. Radius Curve (mm)	Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)		
			Lifting Speed		Lifting Speed* (m/min)		Load Chain		Traversing Motor		Traversing Speed* (m/min)						Flange Width B (mm)	
			Output (kW)	Rating (%ED)	50Hz		Diameter (mm) x Chain-Falls	Load Chain Classification ISO/FEM	Output (kW)	Rating (%ED)	50Hz	Standard					Option	
					High	Low											W30 (305 mm)	
7,5	ER2M075IS-L	F	3,5	40/20	Preset	2,2	0,4	11,2 x 3	M4/1Am	0,75	40	10	150 bis 220	221 bis 305	2500	9,4	283	8,4
					Adjustable	2,2	0,2											
10,0	ER2M100IL-L	F	3,5	40/20	Preset	1,7	0,3	11,2 x 4	M4/1Am	0,75	40	10	150 bis 220	221 bis 305	2500	12,5	378	11,0
	Adjustable				1,7	0,2												
15,0	ER2M150IS-L	F	3,5 x 2	40/20	Preset	3,3	0,6	11,2 x 6	M4/1Am	0,75 x 2	40	10	150 bis 220	221 bis 305	2500	18,8	571	17,0
					Adjustable	3,3	0,3											
20,0	ER2M200IS-L	F	3,5 x 2	40/20	Preset	1,7	0,3	11,2 x 8	M4/1Am	0,75 x 2	40	10	150 bis 220	221 bis 305	2500	25	628	22,0
					Adjustable	1,7	0,2											

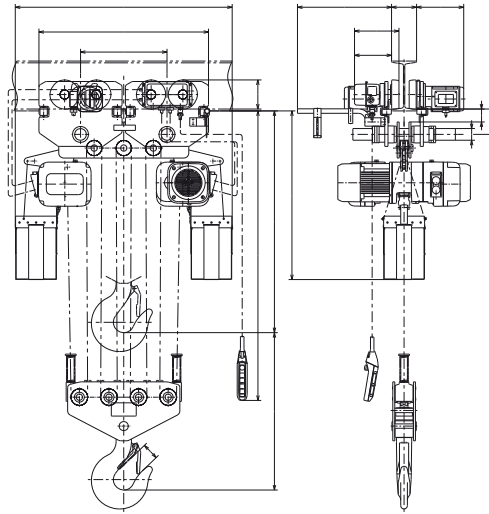
Note: The high speed is preset to the maximum speed at the KITO factory. The speeds are adjustable between High and Low. Trolley wheels for tapered I-beam are provided as standard. The wheels for flat flange beam are also available so make a request in advance if necessary. The minimum curve radius for 7.5t and 10t may depend on flange width. For further information please contact your local KITO dealer.

### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	b	e	e'	g	j	k	m	n	r	t	w
7,5	ER2M075IS-L	1165	1230				61	87						672
10,0	ER2M100IL-L	1180	1210	500	531	223	80	77	175	268	191	153	70	728
	ER2M100IS-L		1020											956
15,0	ER2M150IS-L	1310					86	82						1129
20,0	ER2M200IS-L	1345	1230	1020			102	77			520			1305

# ER2M Large Capacity Single Lifting / Single Traversing Speed

## Electric Chain Hoist with Motorized Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2					MR2					Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)	
			Lifting Speed		Load Chain	Load Chain	Load Chain Classification ISO/FEM	Traversing Motor Traversing		Traversing Speed	Flange Width B (mm)					Min. Radius Curve (mm)
			High (kW)	Low (%ED)	50Hz	Diameter (mm) x Chain-Falls		Output (kW)	Rating (%ED)	50Hz	Standard	Option W30 (305mm)				
7,5	ER2M075S-L	F	3,5		1,9	11,2 x 3	M4/1m	0,75	40	10	150 bis 220	221 bis 305	2500	9,4	283	8,4
10,0	ER2M100L-L				1,4	11,2 x 4								12,5	378	11
	ER2M100S-L		2,9		399											
15,0	ER2M150S-L		3,5 x 2		1,9	11,2 x 6		0,75 x 2					∞	18,8	571	17
20,0	ER2M200S-L				1,4	11,2 x 8							25	628	22	

Trolley wheels for tapered I-beam are provided as standard. The wheels for flat flange beam are also available so make a request in advance if necessary. The minimum curve radius for 7.5t and 10t may depend on flange width. For further information please contact your local KITO dealer.

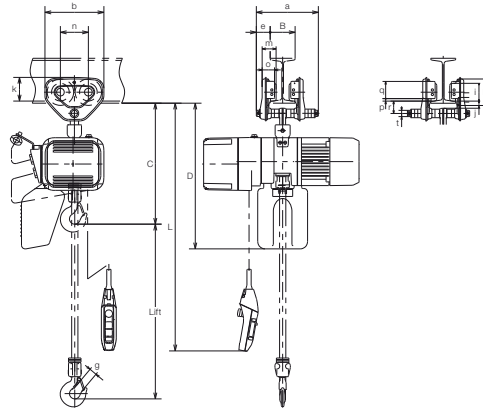
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	b	e	e'	g	j	k	m	n	r	t	w
7,5	ER2M075S-L	1165	1230				61	87						672
10,0	ER2M100L-L	1180	1210	500	531	223	80	77	175	268	191	153	70	728
	ER2M100S-L		1020											956
15,0	ER2M150S-L	1310	1230	1020			86	82			520	520		1129
20,0	ER2M200S-L	1345						102	77					



# ER2SP Dual Speed

## Electric Chain Hoist with Plain Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						TSP			Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)
			Lifting Speed		Lifting Speed* (m/min)		Load Chain	Load Chain Classification ISO/FEM	Flange Width B (mm)		Min. Radius Curve (mm)			
			Output (kW)	Rating (%ED)	50Hz	High			Low	Diameter x Chain-Falls				
125 kg	ER2SP001IH	B	0,56	40/20	Preset	16,6	2,8	4,3 x 1	M6/3m	50 to 163	1100	156 kg	32	0,42
	Adjustable				10,8	1,4								
250 kg	ER2SP003IS		0,9		Preset	15,7	2,6	6,0 x 1	M5/2m	82 to 204	1500	313 kg	41	
	Adjustable				4,5	0,8								
500 kg	ER2SP005IL	C	0,56		Preset	8,5	1,4	7,7 x 1	M4/1Am	205 to 305	1700	625 kg	41	0,81
	Adjustable				4,2	0,7								
1,0	ER2SP010IL	D	0,9		Preset	8,2	1,4	10,2 x 1	M4/1Am	100 to 204	2300	625 kg	41	0,81
	Adjustable				4,2	0,7								
1,6	ER2SP016IS		1,8		Preset	5,3	0,9	11,2 x 1	M4/1Am	100 to 204	2300	6,25	178	5,6
	Adjustable				4,3	0,7								
2,0	ER2SP020IL	E			Preset	8,2	1,4	11,2 x 2	M4/1Am	100 to 204	2300	6,25	178	5,6
	Adjustable				4,3	0,7								
2,5	ER2SP025IS	F	3,5		Preset	6,6	1,1	11,2 x 2	M4/1Am	100 to 204	2300	6,25	178	5,6
	Adjustable				4,3	0,7								
3,2	ER2SP032IS	E			Preset	5,2	0,9	11,2 x 2	M4/1Am	100 to 204	2300	6,25	178	5,6
	Adjustable				5,2	0,4								
5,0	ER2SP050IS	F			Preset	3,3	0,6	11,2 x 2	M4/1Am	100 to 204	2300	6,25	178	5,6
	Adjustable				3,3	0,3								

\* Note: The high speed is preset to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced. The suspension assembly of the 3.2t and 5t hoists are rotated by 90°.

### Dimensions (mm)

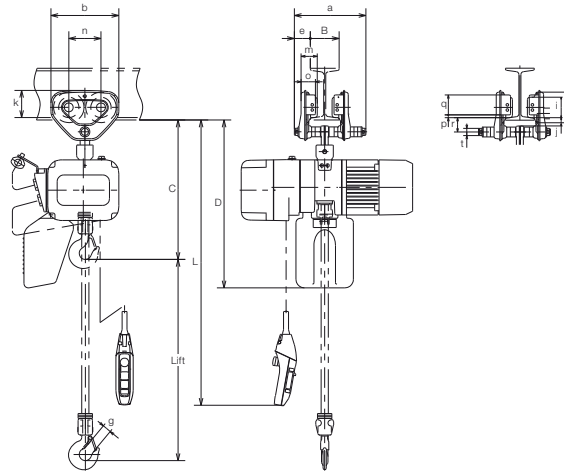
Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	g	h	i	j	k	m	n	o	p	q	r	t
125 kg	ER2SP001IH	395	470															
250 kg	ER2SP003IS	415	530	204	182	46	27	82	60	21	76	47,5	84	42		54	38	22
	ER2SP003IH																	
500 kg	ER2SP005IL	470	590	249	236	56	31	106	71	28	95	56	112	50	10	69	50	25
	ER2SP005IS																	
1,0	ER2SP010IL	570	690	300	280	69	39	127	85	34	112	71	131	63		83	62	32
	ER2SP010IS																	
2,0	ER2SP020IL	680	890	320	324	79	44	148	100	36	134	80	152	74		102	68	36
	ER2SP020IS																	
2,5	ER2SP025IS	780	910	297	400	53	47	169	118	46	144	81	178	70		104	88	54
	ER2SP032IS																	
5,0	ER2SP050IS	840																





# ER2SP Single Speed

## Electric Chain Hoist with Plain Trolley



### Technical Specifications

Capacity (t)	Product Code	ER2							TSP			Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)
		Hoist Body	Lifting Speed		LiftingSpeed* (m/min)	Load Chain		Load Chain Classification ISO/FEM	Flange Width B (mm)		Min. Radius Curve (mm)			
			Output (kW)	Rating (%ED)	50Hz	Diameter (mm)	Chain-Falls		Standard	Option W30 (305mm)				
125 kg	ER2SP001H	B	0,56	60	14,1	4,3	x	1	50 to 163	1100	156 kg	32	0,42	
	9,1													
250 kg	ER2SP003S	C	0,9	60	13,4	6,0	x	1	50 to 163	1100	313 kg	42	0,81	
	ER2SP003H				3,8									
500 kg	ER2SP005L	D	0,9	60	7,3	7,7	x	1	58 to 163	1300	625 kg	42	1,33	
	ER2SP005S				3,5									
1,0	ER2SP010L	E	1,8	60	7,1	10,2	x	1	82 to 204	1500	2,0	85	2,3	
	ER2SP010S				4,5									
1,6	ER2SP016S	F	3,5	60	3,7	11,2	x	1	82 to 204	1500	2,5	86	2,3	
	ER2SP020L				4,4									
2,0	ER2SP020S	F	3,5	60	7,0	11,2	x	1	82 to 204	1500	2,5	105	2,8	
	ER2SP020S				5,7									
2,5	ER2SP025S	E	3,5	60	5,7	11,2	x	1	M4/1Am	1700	3,13	128	2,8	
3,2	ER2SP032S	E	3,5	60	4,4	10,2	x	2		1700	4,0	130	4,7	
5,0	ER2SP050S	F	3,5	60	2,9	11,2	x	2		2300	6,25	182	5,6	

Please note: The hoist mount on the 3,2 t und 5 t hoists are rotated 90 degrees.

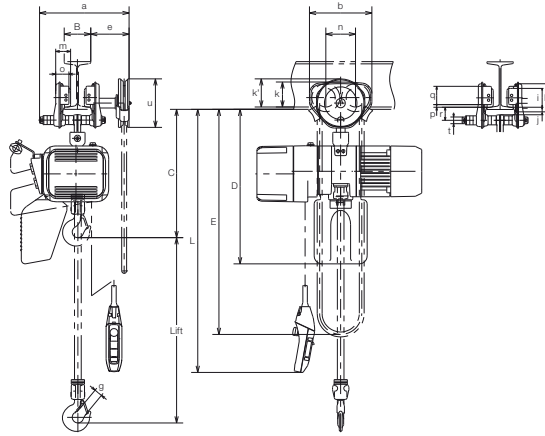
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	g	h	i	j	k	m	n	o	p	q	r	t
125 kg	ER2SP001H	395	470															
250 kg	ER2SP003S	415	530	204	182	46	27	82	60	21	76	47,5	84	42	54	38	22	
	ER2SP003H																	
500 kg	ER2SP005L	470	590	249	236	56	31	106	71	28	95	56	112	50	10	69	50	25
	ER2SP005S																	
1,0	ER2SP010L	570					34											
	ER2SP010S																	
1,6	ER2SP016S	635	690	300	280	69	39	127	85	34	112	71	131	63	83	62	32	
	ER2SP020L																	
2,0	ER2SP020S	680	890	320	324	79	44	148	100	36	134	80	152	74	102	68	36	
	ER2SP025S																	
2,5	ER2SP025S	780	910	297	400	53	47	169	118	46	144	81	178	70	104	88	54	
3,2	ER2SP032S	840																
5,0	ER2SP050S																	



# ER2SG Dual Speed

## Electric Chain Hoist with Geared Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	Lifting Speed		LiftingSpeed* (m/min)		Load Chain		Load Chain Classification ISO/FEM	Folded Hand Chain Length E (m)	Flange Width B (mm)		Min. Radius Curve (mm)	Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)
			Output (kW)	Rating (%ED)	50Hz		Diameter (mm) x Chain-Falls	Standard			Option W30 (305mm)					
					High	Low										
125 kg	ER2SG001IH	B	0,56		Preset	16,6	2,8	4,3 x 1						156 kg	40	1,4
					Adjustable	1,4										
250 kg	ER2SG003IS	C	0,9		Preset	10,8	1,8	6,0 x 1	M6/3m	58 to 163	164 to 305	1300		313 kg	49	
						Adjustable	0,9									
500 kg	ER2SG003IH	C	0,56		Preset	15,7	2,6	6,0 x 1						625 kg	45	1,7
						Adjustable	1,3									
1,0	ER2SG005IL	D	0,9	40/20	Preset	4,5	0,8	7,7 x 1							57	2,3
						Adjustable	0,4									
1,0	ER2SG010IL	D			Preset	8,5	1,4	7,7 x 1	M5/2m	2,7				1,25	64	
						Adjustable	0,7									
1,6	ER2SG010IS				Preset	4,2	0,3	7,7 x 1							57	2,3
						Adjustable	0,3									
1,6	ER2SG016IS		1,8		Preset	8,2	1,4								64	
						Adjustable	0,7									
2,0	ER2SG020IL	E			Preset	5,3	0,9	10,2 x 1							90	3,2
						Adjustable	0,4									
2,0	ER2SG020IS	E			Preset	4,3	0,7	10,2 x 1						2,5	107	
						Adjustable	0,4									
2,5	ER2SG025IS	F	3,5		Preset	8,2	1,4	11,2 x 1	M4/1Am	82 to 204	205 to 305			3,13	128	3,7
						Adjustable	0,7									
3,2	ER2SG032IS	E			Preset	6,6	1,1	10,2 x 2						4	132	5,6
						Adjustable	0,6									
5,0	ER2SG050IS	F			Preset	5,2	0,9	11,2 x 2						6,25	184	6,5
						Adjustable	0,4									
					Preset	3,3	0,6									
					Adjustable	0,3	0,3									

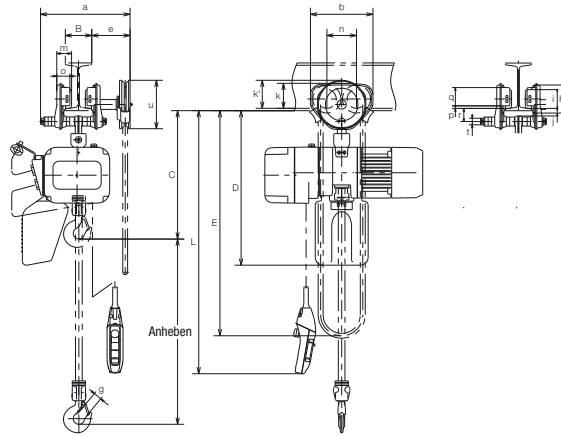
\* Note: The high speed is present to the maximum speed at the KITO factory in Japan. The low speed can be increased or respectively reduced.

### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	g	h	i	j	k	k'	m	n	o	p	q	r	t	u
125 kg	ER2SG001IH	415	490																	
250 kg	ER2SG003IS																			
	ER2SG003IH						27													
500 kg	ER2SG005IL	435	550	345	236	152		106	71	28	95	107	56	112	50		69	50	25	
	ER2SG005IS																			
1,0	ER2SG010IL	470	590																	
	ER2SG010IS							31									10			
1,6	ER2SG016IS	570																		
2,0	ER2SG020IL	635	690	385	280	154		127	85	34	112	109	71	131	63		83	62	32	
	ER2SG020IS	650								39										
2,5	ER2SG025IS	680	890																	
3,2	ER2SG032IS	780		398	324	157		148	100	36	134	115	80	152	74		102	68	36	
								44												
5,0	ER2SG050IS	840	910	401	400	156	47	169	118	46	144	131	81	178	70		104	88	54	

# ER2SG Single Speed

## Electric Chain Hoist with Geared Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						TSG			Test Weight (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)	
			Lifting Speed		Lifting Speed* (m/min)	Load Chain		Load Chain Classification ISO/FEM	Folded Hand Chain Length E (m)	Flange Width B (mm)					Min. Radius Curve (mm)
			Output (kW)	Rating (%ED)	50Hz	Diameter (mm)	Chain-Falls			Standard	Option W30 (305mm)				
125 kg	ER2SG001H	B	0,56	60	14,1	4,3	x	1	M5/2m	58 to 163	164 to 305	1300	156 kg	40	1,4
250 kg	ER2SG003S				9,1								313 kg		
250 kg	ER2SG003H	C	0,9	60	13,4	6,0	x	1	M5/2m	58 to 163	164 to 305	1300	625 kg	46	1,7
500 kg	ER2SG005L				3,8								50		
500 kg	ER2SG005S	D	0,9	60	7,3	7,7	x	1	M4/1Am	82 to 204	205 to 305	1700	625 kg	50	1,7
1,0	ER2SG010L				3,5								59		
1,0	ER2SG010S	E	1,8	60	7,1	10,2	x	1	M4/1Am	82 to 204	205 to 305	1500	1,25	66	2,3
1,6	ER2SG016S				4,5								2		
2,0	ER2SG020L	F	3,5	60	3,7	11,2	x	1	M4/1Am	82 to 204	205 to 305	1700	2,5	90	3,2
2,0	ER2SG020S				7,0								109		
2,5	ER2SG025S	E	3,5	60	5,7	11,2	x	1	M4/1Am	82 to 204	205 to 305	1700	3,13	132	3,7
3,2	ER2SG032S				4,4								4		
5,0	ER2SG050S	F			2,9	11,2	x	2				2300	6,25	188	6,5

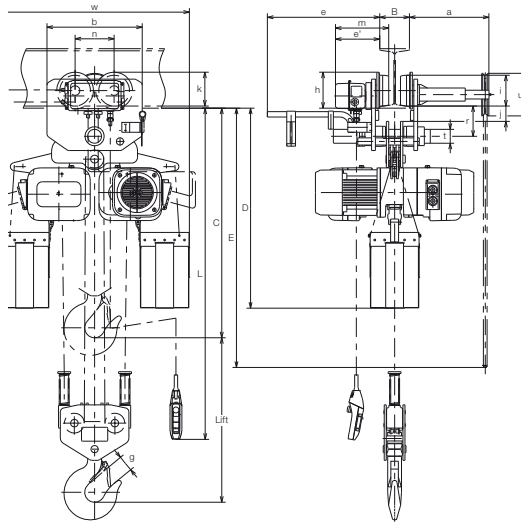
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	g	h	i	j	k	k'	m	n	o	p	q	r	t	u
125 kg	ER2SG001H	415	490																	
250 kg	ER2SG003S																			
250 kg	ER2SG003H						27													
500 kg	ER2SG005L	435	550	345	236	152		106	71	28	95	107	56	112	50		69	50	25	
500 kg	ER2SG005S																			
1,0	ER2SG010L	470	590				31													
1,0	ER2SG010S																10			
1,6	ER2SG016S	570					34													
2,0	ER2SG020L	635	690	385	280	154		127	85	34	112	109	71	131	63		83	62	32	
2,0	ER2SG020S						650				39									
2,5	ER2SG025S	680	890	398	324	157		148	100	36	134	115	80	152	74		102	68	36	
3,2	ER2SG032S						780				44									
5,0	ER2SG050S	840	910	401	400	156	47	169	118	46	144	131	81	178	70		104	88	54	



# ER2SG Large Capacity / Dual Speed

## Electric Chain Hoist with Geared Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2						TSG				Net Weight (kg)	Additional Weight per 1 m Lift (kg)		
			Lifting Speed		LiftingSpeed* (m/min)		Load Chain	Load Chain Classification ISO/FEM	Folded Hand Chain Length E (m)	Flange Width B (mm)		Min. Radius Curve (mm)			Test Weight (t)	
			Output (kW)	Rating (%ED)	50Hz					Diameter (mm) x Chain-Falls	Standard					Option W30 (305mm)
					High	Low										
7,5	ER2SG075IS	F	3,5	40/20	Preset	2,2	0,4	11,2 x 3	M4/1Am	3,2	150 to 220	221 to 305	3000	9,4	275	9,3
10,0	ER2SG100IL				Adjustable	1,7	0,2									
	ER2SG100IS		Preset		3,3	0,3	150 to 220	221 to 305		3000	12,5	405				
15,0	ER2SG150IS		3,5x2		40/20	Preset							2,2	0,4	11,2 x 6	3,7
						Adjustable	1,7	0,2		11,2 x 8	25,0	621	24			
20,0	ER2SG200IS		Preset		1,7	0,3	11,2 x 8	25,0						621	24	
			Adjustable		1,7	0,15										

Note: When operating the ER2SG100IL without a load the hook may slightly incline. This has no effect on the performance.

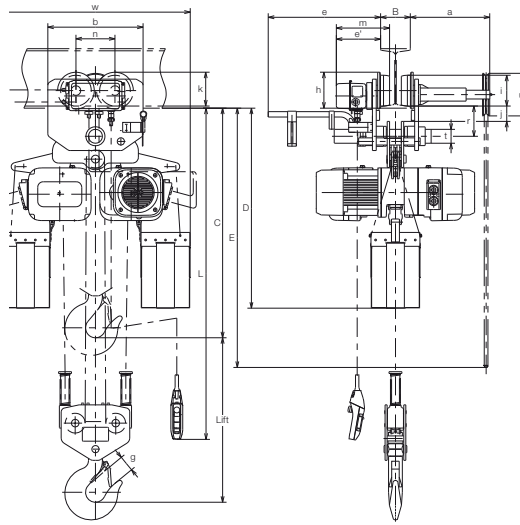
### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	e'	g	h	i	j	k	m	n	r	t	u	w
7,5	ER2SG075IS	1165	1230					61			87							662
10,0	ER2SG100IL	1180	1210	372	480	531		80	185	155	77	171		196,5	153	70	214	718
	ER2SG100IS		1020															956
15,0	ER2SG150IS	1310	1230	1012	1000		223	86			82		269	520				1129
20,0	ER2SG200IS	1345						102			77							1305



# ER2SG Large Capacity / Single Speed

## Electric Chain Hoist with Geared Trolley



### Technical Specifications

Capacity (t)	Product Code	Hoist Body	ER2					TSG				Net Weight (kg)	Additional Weight per 1 m Lift (kg)		
			Lifting Speed		Lifting Speed* (m/min)	Load Chain		Classification ISO/FEM	Folded Hand Chain Length E (m)	Flange Width B (mm)				Min. Radius Curve (mm)	Test Weight (t)
			Output (kW)	ED(%ED)	50Hz	Diameter (mm)	x Chain-Falls			Standard	Option W30 (305mm)				
7,5	ER2SG075S	F	3,5	60	1,9	11,2	x 3	M4/1Am	3,2	150 to 220	221 to 305	3000	9,4	275	9,3
10,0	ER2SG100L				1,4	11,2	x 4						12,5	308	12
	ER2SG100S		2,9		11,2	x 4	395								
15,0	ER2SG150S		3,5x2		1,9	11,2	x 6	18,8	563	19					
20,0	ER2SG200S			1,4	11,2	x 8		3,7	∞	25,0	621	24			

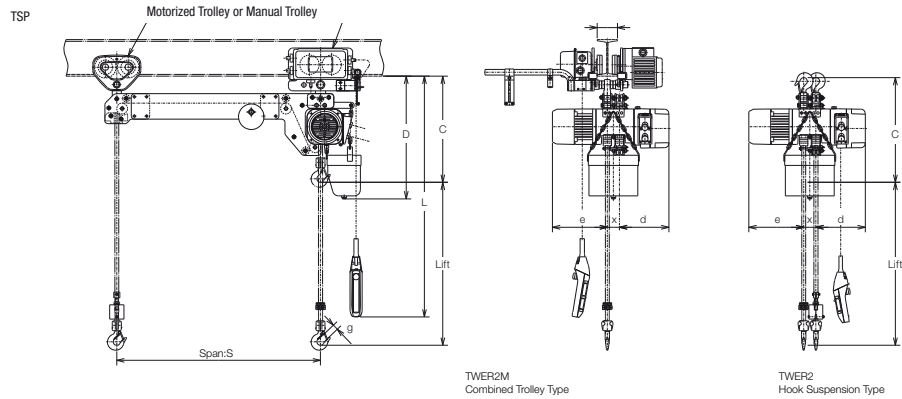
Note: When operating the ER2SG100L without a load the hook may slightly incline. This has no effect on the performance.

### Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C	D	a	b	e	e'	g	h	i	j	k	m	n	r	t	u	w
7,5	ER2SG075S	1165	1230					61			87							662
10,0	ER2SG100L	1180	1210	372	480	531		80	185	155	77	171		196,5	153	70	214	718
	ER2SG100S		1020															956
15,0	ER2SG150S	1310	1230	1012	1000		223	86			82		269	520				1129
20,0	ER2SG200S	1345						102			77							1305



# TWER2M Twin Hook Electric Chain Hoist



## Technical Specifications

Capacity (t)	Product Code	ER2						Trolley						Test Load (t)											
		Hoist Body	Lifting Speed		Lifting Speed* (m/min)		Load Chain		Traversing Motor		Traversing Speed		Flange Width: B (mm)												
					50 Hz		Diameter (mm) x Chain-Falls	Output (kW)	Rating (%ED)	50Hz		Standard	Option W30 (305 mm)												
			Output (kW)	Rating (%ED)	High	Low				High	Low														
125 kg + 125 kg	TWER2M003IS-IS	C	0,56	Preset	10,8	1,8	6,0 x 2	0,4	27/13	Standard Adjustable	24	4	2,4	58 to 153	164 to 305	156 kg x 2									
250 kg + 250 kg	TWER2M005IS-IS			Adjustable	8,5	0,9										313 kg x 2									
500 kg + 500 kg	TWER2M010IS-IS		D	0,9	Preset	8,2										1,4	7,7 x 2	27/13	Standard Adjustable	24	4	2,4	58 to 153	164 to 305	625 kg x 2
					Adjustable	8,2										0,7									2,0 x 2
1,0 + 1,0	TWER2M020IS-IS	E	1,8	Preset	5,2	0,9	10,2 x 2	0,75					82 to 204	204 to 305	2,0 x 2										
1,6 + 1,6	TWER2M032IS-IS			Adjustable	3,3	0,4									10,2 x 4									2,0 x 2	
2,5 + 2,5	TWER2M050IS-IS	F	3,5	Preset	3,3	0,6	11,2 x 4	0,75					100 to 204	205 to 305	3,13 x 2										
		Adjustable	3,3	0,3																					

\* The high speed is preset to the maximum speed at the KITO factory. The speeds are adjustable between High and Low. Just for straight beams. Curved beams on request. The exact net weight depends on the hook space. The maximum lifting height is 8m. Special lifting heights on request. The maximum space between the 2 hooks is 4m. Nonstandard on request. For further information please contact your local KITO dealer.

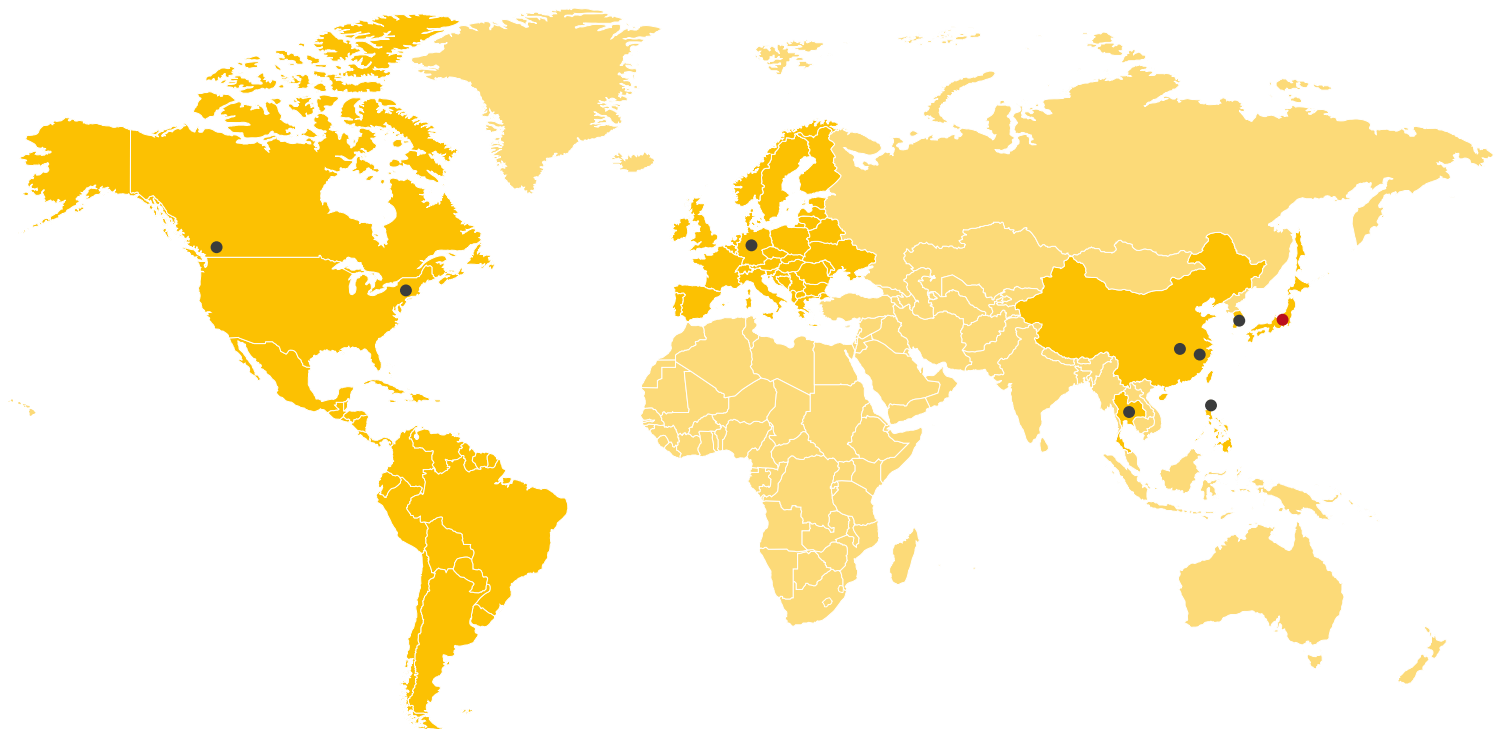
## Dimensions (mm)

Capacity (t)	Product Code	Min. Headroom C		D	S	d	e	g	x
		with trolley	with hook						
125 kg + 125kg	TWER2M003IS-IS						271		
250 kg + 250 kg	TWER2M005IS-IS	535	525	620	Min. 510	242	268	27	60
500 kg + 500 kg	TWER2M010IS-IS	615	620	710	Min. 530	291	298	31	71
							307		
1,0 + 1,0	TWER2M020IS-IS	800	830	790	Min. 650	308	338	39	81
1,6 + 1,6	TWER2M032IS-IS	970	995	920		347	356		
2,5 + 2,5	TWER2M050IS-IS	1020	1025	990		337	399		

# KITO Locations

Our brand has firmly established itself across the world as a synonym for excellent products and services. We develop and produce our hoists in Japan and we are represented by on-site brand offices or trading partners on all continents. KITO is securely established in the market because of our dedication to customer satisfaction, quality and product safety.

- Headquarters of „KITO Corporation“
- Subsidiaries of „KITO Corporation“



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