

# **FER2 Food Grade Electric Chain Hoist**

**KITO<sup>®</sup>**



Bronze Level FER2M with optional stainless steel load hook

**FER2 FOOD GRADE ELECTRIC CHAIN HOIST**  
500 kg up to 5,000 kg load capacity

### HOIST FEATURES

- 380 - 440 V, 50 - 60 Hz, 3 phase
- 24 V AC control voltage
- Frequency inverter for dual lifting speed
- Overload protection via carbon friction clutch
- Upper and lower limit switch
- Operation hours / lifting cycles counter
- Operating temperature -20°C up to +40°C, max. 85% humidity
- Thermal motor protection
- Die-cast aluminium body (IP55)
- Nickel-plated load chain grade T, series DAT (G80) in accordance with standard EN818-7

FER2M-010



### PURITY & HIGHEST RELIABILITY

FER2 electric chain hoist with food grade options like epoxy paint, stainless steel load hook up to 2t load capacity stainless steel load chain up to 800 kg, nickel-plated chain stopper and chain spring, limit plate and chain container made of stainless steel and much more.

### INDIVIDUALLY TAILORED TO YOUR NEEDS

Every company is different and the demands on a hoist are unique to the application. To meet the needs of your operation, we offer standardized Bronze, Silver and Gold packages as well as individual solutions.

Type	Load Capacity kg	Body size	Lifting motor		Lifting speed (m/min)*			Load chain diameter mm	Chain falls	Classification FEM/ISO	Headroom C mm	Weight kg	Weight for additional 1m lift kg
			Out-put, kW	Rating (% ED)	50 Hz								
					High	Low							
FER2-005IS	500	C	0.9	40/20	Standard	8.5	1.4	6.0	1	3m/M6	370	36	0.81
		C	0.9	40/20	Adjustable	8.5	0.7	6.0	1	3m/M6	370	36	0.81
		C	0.9	40/20	With Stainless Steel load hook			1	3m/M6	385	36	0.81	
FER2-010IS	1,000	D	1.8	40/20	Standard	8.2	1.4	7.7	1	2m/M5	430	52	1.33
		D	1.8	40/20	Adjustable	8.2	0.7	7.7	1	2m/M5	430	52	1.33
		D	1.8	40/20	With Stainless Steel load hook			1	2m/M5	444	52	1.33	
FER2-016IS	1,600	E	1.8	40/20	Standard	5.3	0.9	10.2	1	2m/M5	510	72	2.3
		E	1.8	40/20	Adjustable	5.3	0.4	10.2	1	2m/M5	510	72	2.3
		E	1.8	40/20	With Stainless Steel load hook			1	2m/M5	545.5	72	2.3	
FER2-020IS	2,000	E	3.5	40/20	Standard	8.2	1.4	10.2	1	1Am/M4	590	89	2.3
		E	3.5	40/20	Adjustable	8.2	0.7	10.2	1	1Am/M4	590	89	2.3
		E	3.5	40/20	With Stainless Steel load hook			1	1Am/M4	615	89	2.3	
FER2-025IS	2,500	F	3.5	40/20	Standard	6.6	1.1	11.2	1	1Am/M4	625	100	2.8
		F	3.5	40/20	Adjustable	6.6	0.6	11.2	1	1Am/M4	625	100	2.8
FER2-032IS	3,200	E	3.5	40/20	Standard	5.2	0.9	10.2	2	1Am/M4	785	105	4.7
		E	3.5	40/20	Adjustable	5.2	0.4	10.2	2	1Am/M4	785	105	4.7
FER2-050IS	5,000	F	3.5	40/20	Standard	3.3	0.6	11.2	2	1Am/M4	850	128	5.6
		F	3.5	40/20	Adjustable	3.3	0.3	11.2	2	1Am/M4	850	128	5.6

### GREASE & OIL

NSF H1 compliant food grade grease and oil.

### PROTECTION CLASS IP55

Sealed die-cast aluminum body.

### CARBON FRICTION CLUTCH

As overload protection with consistent performance over a wide temperature range.

### NICKEL-PLATED LOAD CHAIN

As standard. Grade T, series DAT (G80). Strength 800 N/mm<sup>2</sup>. High strength and low wear.

### OPTIONS

- Stainless steel load chain up to 800 kg load capacity.
- Motor trolley FMR2 up to 5.000 kg load capacity. Dual speed due to frequency inverter technology for smooth and safe hoist travelling.
- Stainless steel load hook up to 2.000 kg load capacity. Over 800 kg load capacity only with nickel-plated load chain.
- Push trolley (on request)



Optional silicone cover for the pendant

## FER2 FOOD GRADE ELECTRIC CHAIN HOIST - Features & Options 500 kg up to 5,000 kg load capacity

PIECE	FEATURE LEVEL		
	BRONZE	SILVER	GOLD
ER2 including push button pendant	☯	☯	☯
FG oil	☯	☯	☯
FG White Epoxy Paint	-	☯	☯
White epoxy top hook Assembly	-	☯	☯
White epoxy Suspender T	-	☯	☯
White epoxy painted Bottom Hook	-	☯	Option up to 2t
SS Bottom Hook up to max. 2,000kg	Option	Option	☯*
SS Cushion rubber	-	☯	☯
NPL Hook latches	-	☯	☯
NPL Limiting plate [Limit lever striker]	-	-	☯
NPL Chain spring	-	-	☯
NPL stopper assembly	-	☯	☯
NPL Top pin, Shaft Clip, Plate A	-	-	☯
NPL Chain Guide A, Guide Roller, Roller Pin	-	☯	☯
NPL Limit lever, Limit lever Spring	-	-	☯
NPL Chain container Spring [If applicable]	-	-	☯
NPL Cord support wire stopper	-	-	☯
SS Bolts and nuts	-	-	☯
SS Load chain	Option	Option	Option
Radio Control RMC	Option	Option	Option
Silicon push button cover - 3	Option	Option	Option
Silicon push button cover - 5	Option	Option	Option
Plastic chain container	-	☯	-
Canvas chain container	☯	-	-
SS chain container	Option	☯	☯



\*2,500 kg - 5,000 kg with white epoxy painted load hook



## FER2M FOOD GRADE WITH MOTOR TROLLEY - Features & Options 500 kg up to 5,000 kg load capacity

Type	FER2M005IS-IS	FER2M010IS-IS	FER2M016IS-IS	FER2M020IS-IS	FER2M025IS-IS	FER2M032IS-IS	FER2M050IS-IS
Load Capacity kg	500	1,000	1,600	2,000	2,500	3,200	5,000
Standard flange width, mm	58 - 163	58 - 163	82 - 204	82 - 204	82 - 204	82 - 204	100 - 204
Flange width W30, mm	164 - 305	164 - 305	205 - 305	205 - 305	205 - 305	205 - 305	205 - 305
Lifting speed, m/min	8,5/1,4-0,7	8,2/1,4-0,7	5,3/0,9-0,4	8,2/1,4-0,7	6,6/1,1-0,6	5,2/0,9-0,4	3,3/0,6-0,3
Traversing speed, m/min	24,0/4,0-2,4	24,0/4,0-2,4	24,0/4,0-2,4	24,0/4,0-2,4	24,0/4,0-2,4	24,0/4,0-2,4	24,0/4,0-2,4
Headroom C, mm	395	435	505	585	620	765	840
Headroom C, mm with S/S load hook	410	494	540.5	610			
Min curve radius, mm	800	800	800	800	1000	1000	1800
FEM/ISO classification	3m/M6	2m/M5	2m/M5	1Am/M4	1Am/M4	1Am/M4	1Am/M4
Intermittent duty rating % ED, hoist	40/20	40/20	40/20	40/20	40/20	40/20	40/20
Intermittent duty rating % ED, trolley	27/13	27/13	27/13	27/13	27/13	27/13	27/13
Load chain diameter, mm	6,0 x 16,8	7,7 x 21,5	10,2 x 28,5	10,2 x 28,5	11,2 x 31,3	10,2 x 28,5	11,2 x 31,3
Chain falls	1	1	1	1	1	2	2
Net weight, kg	66,6	80,1	103,1	125,1	142,6	140,9	183,2
Weight for add 1m lift, kg	0,8	1,3	2,3	2,3	2,8	4,7	5,6

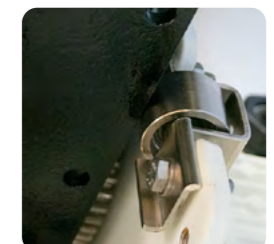
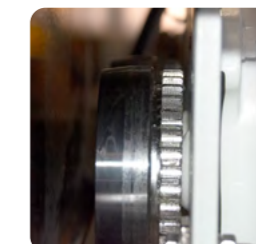
PIECE	FEATURE LEVEL		
	BRONZE	SILVER	GOLD
MR2	☯	☯	☯
FG grease (gear)	☯	☯	☯
FG White Epoxy Paint	-	☯	☯
SS Wheels	-	-	☯
NPL Washers for Wheels	-	-	☯
NPL Side Roller Set complete	-	-	☯
SS Side Rollers + NPL set parts	-	-	Option
NPL Suspension Shaft Set	-	-	☯
NPL Fixing Stabilizing Shaft set	-	-	☯
NPL Cable support parts	-	-	☯
SS Bolts and nuts	-	-	☯

Bronze Level FMR2

Silver and Gold Level FMR2

Stainless steel wheels

Stainless steel side rollers



① NPL=Nickel Plated - SS=Stainless Steel - FG=Food Grade



**FER2 FOOD GRADE ELECTRIC CHAIN HOIST**  
Custom build



**FER2 FOOD GRADE ELECTRIC CHAIN HOIST**  
Low Headroom

## CUSTOM BUILDS

Kito offers custom-made food-grade hoists tailored to meet individual requirements. These hoists are designed to comply with strict hygiene and safety standards, making them ideal for food and beverage processing as well as pharmaceutical environments. They typically feature corrosion-resistant materials like stainless steel, food-grade lubricants, and easy-to-clean surfaces.

## CUSTOMIZATION OPTIONS

- Specific lifting capacities (from light-duty to heavy-duty)
- Variable speed control for precision handling
- Custom hook designs for specific applications
- Integration with overhead crane systems and monorails
- Solutions for big-bag handling

The Kito low headroom FER2 is fixed at a profile monorail track and is meant to lift the lid of a barrel-shaped production plant



## Low headroom food grade electric chain hoist

Low lifting processes are not easy. In many production facilities there are areas with a low ceiling where high load capacities have to be handled.

## Make the most of minimal space

To make the most out of minimal space, Kito low headroom electric chain hoist (Short Headroom ER2 Motorized Trolley Type) is the best choice.

## Special Feature

The special feature of this device is the efficient processing of the robust Kito FER2 electric chain hoist. Thanks to the low headroom chain guide the optimized hook dimensions enables the crane operator to lift the load up right below the girder. .

## Lifting capacity of up to 5.000 kg

The special headroom design enables lifting height to be used as effectively as possible, with a capacities of up to 5.000 kg can be carried.



Kito Crosby is the global leader of the lifting and securement industry it pioneered, and for which it continues to set the quality standard. With global engineering, manufacturing, distribution, and operations, the company provides a broad range of products and solutions for the most demanding applications. Kito Crosby's people, products, solutions, and services have innovated the lifting and securement industry for more than 260 years.

Together we lift and secure the world today, for a safer, stronger, and more productive tomorrow. Our iconic brands include Kito, Crosby, Harrington, Gunnebo Industries, Peerless, and eepos.

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