

# ER2 SERIES ELECTRIC CHAIN HOIST

## SINGLE & DUAL SPEED WITH INVERTER



### Applications

- ✓ Mining, construction, engineering, entertainment
- ✓ Manufacturing, health care, food factory
- ✓ Engineered to perform in the industry's toughest jobs and most extreme situations

### Features

- ✓ Available in capacities ranging from 250 kg to 20 tonnes in optional lift heights
- ✓ Also available up to 50 tonnes upon request
- ✓ Dual-speed inverter with adjustable speed
- ✓ Push button control designed with an emergency stop
- ✓ Patented Friction Clutch allows for reliable overload protection and safety
- ✓ Thermal Protection on hoist motor reduces the risk of motor burnout
- ✓ Upper/Lower Limit Switch
- ✓ Adjustment free brakes - less maintenance
- ✓ Nickel plated load chain - added resistance to rust and abrasion
- ✓ Fan cooled motor - reduces overheating
- ✓ Condition monitoring with Counter/Hour Meter – built-in

A reliable and robust hoist ER2 Electric Chain Hoist is environmentally friendly with its new compact, lightweight and energy efficient design.

**Capacity:** 250kg - 20T

### Options



Motorised trolley



Push trolley



Geared trolley

**Australian Standard:** AS 1418.2

**LEADERS IN CUSTOM LIFTING SOLUTIONS SINCE 1923**

# ER2 Series Electric Chain Hoist - Single Speed

## Outline

<b>Rated capacity:</b>	Single speed – 250 kg to 20 t
<b>Voltage:</b>	380-415 V 50 Hz
<b>Control voltage:</b>	24 V
<b>Duty rating:</b>	Single speed – 60% ED (60 min.)
<b>Classification:</b>	M4, M5, M6 (ISO); 1 Am, 2m, 3m (FEM); H4 (ASME)
<b>Motor insulation:</b>	Class F for 380-415-50
<b>Enclosure:</b>	Hoist body – IP55, Push button control - IP 65
<b>Suspension varieties:</b>	Hook, manual trolley, motorized trolley
<b>Operating temperature:</b>	-20 to 40 °C (-4 to 104 °F)
<b>Operating humidity:</b>	85%RH or less

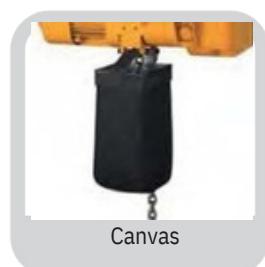
## Specifications (Single Speed)

Capacity	Part No. (3 Metre)	Part No. (6 Metre)	Model	m/min Lifting Speed	output KW Motor Rating	(%ED) Motor Rating	fall	Dia (mm) x Load Chain	Hook Suspended Headroom (mm)	Load Chain Dia x Pitch (mm)	Load Chain Part No.
250kg	45801	45961	ER2-003S	9.1	0.56	60	4.3 x 1	350	27	4.3x12.0	45951
500kg	45802	45962	ER2-005L	3.8	0.56	60	6.0 x 1	370	33	6.0x16.7	45952
500kg	45803	45963	ER2-005S	7.3	0.9	60	6.0 x 1	370	37	6.0x16.7	45952
1 tonne	45804	45964	ER2-010L	3.5	0.9	60	7.7 x 1	430	47	7.7x21.4	45953
1 tonne	45805	45965	ER2-010S	7.1	1.8	60	7.7 x 1	430	54	7.7x21.4	45953
1.5 tonne	45806	64121	ER2-015S	4.5	1.8	60	10.2 x 1	510	72	10.2x28.4	45954
2 tonne	45807	45966	ER2-020L	3.7	1.8	60	10.2 x 1	575	73	10.2x28.4	45954
2 tonne	45808	63453	ER2-020S	7.0	3.5	60	10.2 x 1	590	91	10.2x28.4	45954
2.5 tonne	45809	63550	ER2-025S	5.7	3.5	60	11.2 x 1	625	104	11.2x31.2	45955
3 tonne	45810	63130	ER2-030S	4.4	3.5	60	10.2 x 2	785	107	10.2x28.4	45954
5 tonne	45811	62866	ER2-050S	2.9	3.5	60	11.2 x 2	850	132	11.2x31.2	45955

\*KITO PWB stock the above capacity hoists. Greater than 5T capacity is available on request. All hoists have optional lift heights available.

## Type of containers

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.



# ER2 Series Electric Chain Hoist - Dual Speed

## Outline

<b>Rated capacity:</b>	Dual speed – 250 kg to 10 t plus
<b>Voltage:</b>	380-415 V 50 Hz
<b>Control voltage:</b>	24 V
<b>Duty rating:</b>	Dual speed – 40/20% ED (30/10 min.)
<b>Classification:</b>	M4, M5, M6 (ISO); 1 Am, 2m, 3m (FEM); H4 (ASME)
<b>Motor insulation:</b>	Class F for 380-415-50
<b>Enclosure:</b>	Hoist body – IP55, Push button control - IP 65
<b>Suspension varieties:</b>	Hook, manual trolley, motorized trolley
<b>Operating temperature:</b>	-20 to 40 °C (-4 to 104 °F)
<b>Operating humidity:</b>	85%RH or less

## Specifications (Dual Speed)

Capacity	Part No. (3 Metre)	Part No. (6 Metre)	Model	m/min Lifting Speed	output KW Motor Rating	(%ED) Motor Rating	fall	Dia (mm) x Load Chain	Hook Suspended Headroom (mm)	Load Chain Dia x Pitch (mm)	Load Chain Part No.
<b>Dual Speed with Inverter</b>											
250kg	45821	63302	ER2-003IS	10.8-1.8	0.56	40/20	4.3 x 1	350	27	4.3x12.0	45951
500kg	45822	62820	ER2-005IL	4.5-0.8	0.56	40/20	6.0 x 1	370	32	6.0x16.7	45952
500kg	45823	62846	ER2-005IS	8.5-1.4	0.9	40/20	6.0 x 1	370	36	6.0x16.7	45952
1 tonne	45824	62944	ER2-010IL	4.2-0.7	0.9	40/20	7.7 x 1	430	45	7.7x21.4	45953
1 tonne	45825	63325	ER2-010IS	8.2-1.4	1.8	40/20	7.7 x 1	430	52	7.7x21.4	45953
1.5 tonne	45826	63854	ER2-015IS	5.3-0.9	1.8	40/20	10.2 x 1	510	72	10.2x28.4	45954
2 tonne	45827	62951	ER2-020IL	4.3-0.7	1.8	40/20	10.2 x 1	575	73	10.2x28.4	45954
2 tonne	45828	64773	ER2-020IS	8.2-1.4	3.5	40/20	10.2 x 1	590	89	10.2x28.4	45954
2.5 tonne	45829	POA	ER2-025IS	6.6-1.1	3.5	40/20	11.2 x 1	625	100	11.2x31.2	45955
3 tonne	45830	63180	ER2-030IS	5.2-0.9	3.5	40/20	10.2 x 2	785	105	10.2x28.4	45954
5 tonne	45831	62813	ER2-050IS	3.3-0.6	3.5	40/20	11.2 x 2	850	128h	11.2x31.2	45955

\*Optional lift heights available.

## Applications



# ER2 Series Electric Chain Hoist

## Specialised Options

### ➤ CDER2

CylinderControl Dual/Single Speed with Hook Suspension

- Standard length of power supply cable is five meters.
- Length of lift, push button cord and power supply cable is standard only available.
- Extending the load chain is prohibited with additional links.
- Plastic chain container is provided only.

**Capacities:** 125kg, 250kg (Single speed & dual speed)

**Suspension:** Hook suspended only



### ➤ ER2

Large Capacity

- Standard length of power supply cable is ten meters.
- Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

**Capacities:** 7.5T, 10T, 15T, 20T

**Suspension:** Hook suspended, or with motorized or geared trolley



### ➤ TWER2

Twin Hook

• KITO TwinHook electric chain hoist, which is equipped

with a single motor and two hooks, is intended to lift the hooks horizontally, equally and safely.

- This product is the most suitable for lifting applications requiring two lifting points for a wide load or retaining a level lifting.
- For special requirements such as dual speed or curve beam, available on request.

**Capacities:** 125kg + 125kg, 250kg + 250kg, 500kg + 500kg, 1T + 1T, 1.5T + 1.5T, 2.5T + 2.5T (Single speed)

**Suspension:** Motorized or manual trolley on hoist, or hook suspended



# ER2 Series Electric Chain Hoist

## Specialised Options

### ► ER2 WIND

#### Wind Hoist

KITO ER2 electric chain hoist is a reliable and robust device which is used for all demanding applications such as wind turbines.

- 3 phase/ 400V operating voltage.
- Optional operating voltage, length of lift and classification besides standard is available on your request.
- With options for radio remote control, foam hook protector and plain, geared or motorised trolley.
- Load sheave is 5 or 6 pockets (depending on the product model) for very smooth operation.
- Up to 150m HoL as standard.

**Capacities:** Standard 800kg fixed\* (Single speed)

\*Higher load capacities upon request

**Suspension:** Hook suspended, or with push, geared or motorized trolley



### ► FER2

#### Food Grade

#### with Hook Suspension

KITO PWB's Food Grade ER2 Electric Chain Hoist is well-suited for lifting applications in food, beverage, and pharmaceutical processing industries where pristine cleanliness is critical.

- Food grade lubricants used on the load chain and in the gearbox are NSF H1 compliant for safe use in any facility where incidental contact with product is a concern.
- Customer specified options include white epoxy paint, stainless steel and nickel-plated hardware, and nickel-plated load chain making this hoist well-suited for contaminant controlled or corrosive processing environments.

**Capacities:** 500kg, 1T, 2T (Single speed or dual speed)

**Suspension:** Hook suspended, or with push, geared or motorized trolley



### ► SHER2

#### Ultra Low Headroom

When height becomes an issue – the KITO Electric Chain Hoist SHER2M for low ceiling heights.

- In situations where every centimetre of headroom is vital, the KITO Electric Chain Hoist SHER2M (Short Headroom ER2 Motorised Trolley Type) is a welcome solution.
- Apart from use in buildings with low ceilings, it is also ideal where considerable lifting heights are necessary. This is accomplished by means of a special KITO chain guide.

**Capacities:** 250kg, 500kg, 1T, 1.5T, 2T, 3T, 5T (Single speed)

**Suspension:** Push, geared or motorized trolley

# ER2 Series Electric Chain Hoist

## Options

### TROLLEYS

#### Motorized Trolley MR2



**Push Trolley TSP**



125kg to 3t



5t

**Geared Trolley TSG**



125kg to 3t



5t to 20t

125kg to 20t

#### ► Motorized Trolley MR2

Bearing built-in side rollers provide smooth running through the minimum radius curve and excellent traversing performance with preventive derailment.

#### Push & Geared Trolley



- Designed to provide smooth and easy traversing.
- Lugs provide protection from striking damage against rail stoppers, and from falling off the rail.
- Wheel flanges also prevent derailment.

#### ► Push Trolley TSP

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

#### ► Geared Trolley TSG

Designed for precise positioning and traversing by using hand chain (125kg to 20t)

### SILICONE PENDANT COVER



Part No.	Model	Capacity (kg)	Speed M/Min Traverse	(mm) Beam Range	Min Radius (Mtr)
<b>Single speed standard flange width</b>					
45901	MR2-010S	1000	20	58 - 153 Flg	0.8
45902	MR2-020S	2000	20	82 - 178 Flg	0.8
45903	MR2-030S	3000	20	82 - 178 Flg	1.0
45904	MR2-050S	5000	20	100 - 178 Flg	1.8
<b>Dual speed standard flange width</b>					
45921	MR2-010IS	1000	24/4	58 - 153 Flg	0.8
45922	MR2-020IS	2000	24/4	82 - 178 Flg	0.8
45924	MR2-030IS	3000	24/4	82 - 178 Flg	1.0
45925	MR2-050IS	5000	24/4	100 - 178 Flg	1.8
<b>Single speed wide flange</b>					
45911	MR2-010SW	1000	20	154 - 305 Flg	0.8
45912	MR2-020SW	2000	20	179 - 305 Flg	0.8
45913	MR2-030SW	3000	20	179 - 305 Flg	1.0
45914	MR2-050SW	5000	20	179 - 305 Flg	1.8
<b>Dual speed wide flange</b>					
45931	MR2-010ISW	1000	24/4	154 - 305 Flg	0.8
45932	MR2-020ISW	2000	24/4	179 - 305 Flg	0.8
45933	MR2-030ISW	3000	24/4	179 - 305 Flg	1.0
45935	MR2-050ISW	5000	24/4	179 - 305 Flg	1.8
<b>Silicone pendant cover</b>					
67134	3 PUSH BUTTON COVER ASSEMBLY(HOIST ONLY)				
67135	5 PUSH BUTTON COVER ASSEMBLY(HOIST & MOTOR TROLLEY)				



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