

KITO

Improve Work Efficiency!
Operator adjustable level limit switches

Electric Chain Hoist Limit Lock ER2 Series

Programmable level limits



Easily adjusted using Push Button Control

> **Special limit lock features**
Easily programmable stopping positions for the load

> **Standard ER2 electro-mechanical switches**
For upper most and lower most travel; plus "soft" limits for preset travel stops

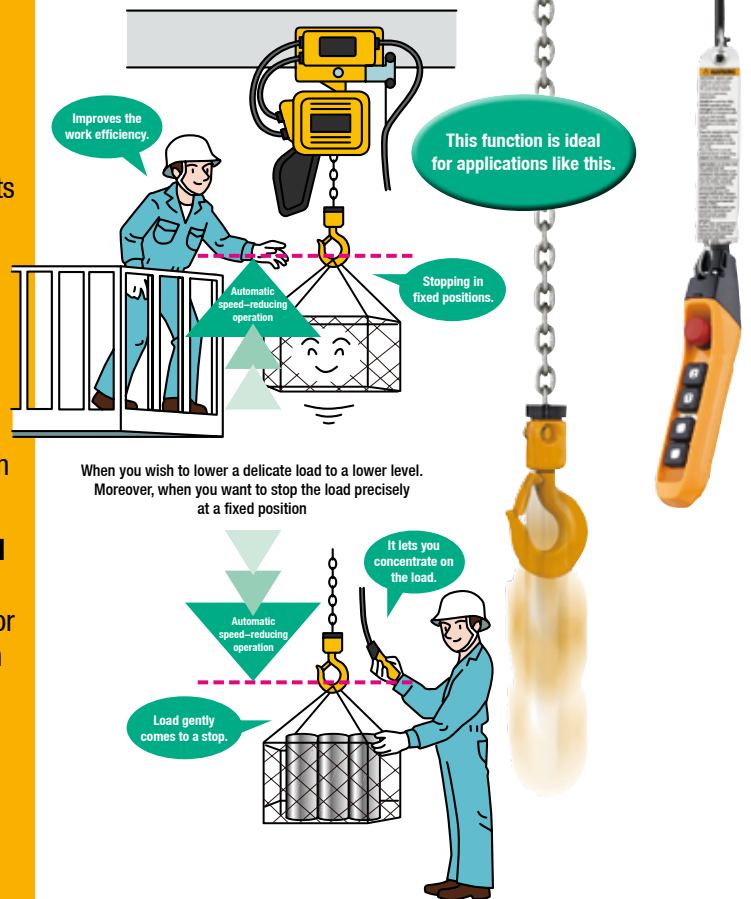
> **Two positions**
One each upper and lower available

> **Easy adjustment**
Each position can be easily adjusted using only the push button control

> **Improved productivity and efficiency in operation**
The operator can easily lift or lower to the perfect position every time

Made in Japan!

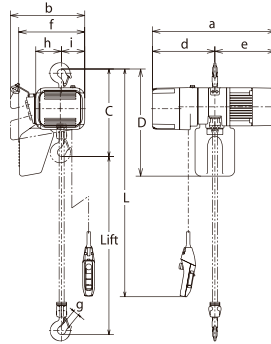
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Specifications

Limit Lock	
Rated capacity	125 kg to 5.000 kg
Function	Possible to stop the load in preset positions as the upper and lower limits (programmable using push button control).
Number of programmable positions	1 position each at the upper/lower limit
Position sensing method	Encoder detection method
Deceleration	Automatically decelerate to low-speed operation before a limit position.
Position accuracy * The standard electro mechanical ER2 limit switches are included as emergency stops.	±10mm

ER2 Dual Speed With Hook Suspension



Setting Method

Setting the upper-limit position

- Stop the hook at the desired upper-limit position.
- Press the emergency stop button. Then, hold down the Up button (1st step) for 5 seconds.

Setting the lower-limit position

- Stop the hook at the desired lower-limit position.
- Press the emergency stop button. Then hold down the Down button (1st step) for 5 seconds.

Cancelling Method

Cancellation is enabled at any hook position.

Cancelling the upper-limit position

- Press the Emergency Stop button.
- Hold down the Up button for 5 seconds.

Cancelling the lower-limit position

- Press the Emergency Stop button.
- Hold down the Down button for 5 seconds.

Specifications

Capacity (t)	Product Code	Hoist Body	Standard Lift (m)	Push Button Cord L (m)	Lifting Motor		Lifting Speed (m/min)			Load Chain		Classification ISO/FEM/ASME	Test Load (t)	Net Weight (kg)	Additional Weight per 1m Lift (kg)
					Output (kw)	Rating (%ED)	50 Hz		Diameter (mm)	Chain Falls					
							High	Low							
0.125	ER2-001IH	B			0.56		Preset	16.6	2.8	4.3	x 1	M6/3m/H4	0.156	27	0.42
	Adjustable							1.4							
0.25	ER2-003IS	B			0.9		Preset	10.8	1.8	6	x 1	M6/3m/H4	0.313	36	
	Adjustable							0.9							
0.5	ER2-003IH	C			0.56		Preset	15.7	2.6	7.7	x 1	M5/2m/H4	0.625	32	0.81
	Adjustable							1.3							
0.5	ER2-005IL	C			0.9		Preset	4.5	0.8	10.2	x 1	M4/1Am/H4	3.13	100	2.8
	Adjustable							0.4							
1	ER2-005IS	D	3	2.5	0.9	40/20	Preset	8.5	1.4	11.2	x 2		4	105	4.7
	Adjustable							0.7							
1	ER2-010IL	D					Preset	4.2	0.7	11.2	x 2		6.25	125	5.6
	Adjustable							0.3							
1.6	ER2-010IS	E					Preset	8.2	1.4	11.2	x 2		6.25	125	5.6
	Adjustable							0.7							
1.6	ER2-016IS	E			1.8		Preset	5.3	0.9	11.2	x 2		6.25	125	5.6
	Adjustable							0.4							
2	ER2-020IL	E					Preset	4.3	0.7	11.2	x 2		6.25	125	5.6
	Adjustable							0.4							
2	ER2-020IS	F					Preset	8.2	1.4	11.2	x 2		6.25	125	5.6
	Adjustable							0.7							
2.5	ER2-025IS	F			3.5		Preset	6.6	1.1	11.2	x 2		6.25	125	5.6
	Adjustable							0.6							
3.2	ER2-032IS	E					Preset	5.2	0.9	11.2	x 2		6.25	125	5.6
	Adjustable							0.4							
5	ER2-050IS	F			2.8		Preset	3.3	0.6	11.2	x 2		6.25	125	5.6
	Adjustable							0.3							

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b	d (MFC)	e (MFC)	f	g	h	i
0.125	ER2-001IH	350	430	535 (564)	345	276 (305)	259	284	27	99	117
	ER2-003IS										
0.25	ER2-003IH	370	490	568 (593)	348	300 (325)	271 (273)	283	27	113	106
	ER2-005IS										
0.5	ER2-005IL	430	550	571 (598)	376	316 (332)	298 (300)	335	31	129	118
	ER2-010IS										
1	ER2-010IL	510	630	614 (632)	427	372 (397)	307	384,5	39	160.5	137.5
	ER2-016IS										
1.6	ER2-020IS	575	630	623 (639)	445	401 (427)	356	437,5	44	216	82
	ER2-025IS										
2	ER2-020IS	590	630	710 (737)	427	411 (426)	356	397	44	216	82
	ER2-025IS										
2.5	ER2-025IS	625	840	767 (782)	445	401 (427)	399	437,5	47	231.5	84.5
	ER2-032IS										
3.2	ER2-032IS	785	920	800 (826)	445	401 (427)	399	439	47	231.5	84.5
	ER2-050IS										

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