

Trusted quality and design

# KITO RY SERIES WIRE ROPE HOIST



# "Safety" is the foundation of manufacturing of Kito hoist

Kito's manufacturing begins with a focus on customers' "safety". How to enhance "safety" is considered in every step of Kito's technical innovation. This design philosophy forms the basis of Kito's RY Series Wire Rope Hoist. RY Series Wire Rope Hoist, inspired by Kito's strict standard for safety, will provide exceptional values for users all over the world.

K

KITO

# Three elements of Kito hoists' "safety"

Kito believes that the following "three elements" are indispensable for safety of customers.

- 1. Supply quality products
- 2. Ensure that users understand safe and proper use
- 3. Ensure that users perform proper maintenance

Kito will continue to provide excellent services to customers in order to satisfy those elements above.



#### "Reliability" backed by experience

Based on the experience and the technology that have been cultivated through the history of manufacturing over a century, Kito provides reliable products to all over the world.

#### To assure the "quality"

Every effort is made to improve the quality by utilizing the know-how accumulated over the years. To provide high-quality products, Kito has established its original standard for quality which is implemented in manufacturing, design and sales.

#### Flexibility to meet the "needs"

Customized products are available to meet wide variety of customer needs. Kito will deliver "one of a kind" product that is suitable for every application environment.











# **Kito technology**

KITC

NO.025-05

NO.050

NO. 100 - 03

NO. 100-2620

509KG

1015

9701

RY Series is equipped with technologies and know-how accumulated through Kito's experience with electric chain hoists.

# 1. Minimizes the swing of a load with Kito's "original inverter control"

Kito's original inverter control makes a high level of safety and workability possible at the same time. Kito's original technology minimizes the drift in the load movement typical for an inverter control and stops theload at a minimum distance. Furthermore, the soft start/stop function\* minimizes the swing of a load, contributing to work efficiency. \*:Applies to lifting/lowering and traversing operations.

## 2. Equipped with a proven pull rotor type motor brake on 3t and 5t / magnetic disc brake on 10t to ensure a high level of safety

The high-performance brake securely holds a load; service life is optimized with the inverter operation. The simple structure with minimal electric components offers stable operation that is essential for productivity.

### 3. Adopts aluminum casing to reduce weight

Low-pressure casting method is used to make a light-weight aluminum casing with excellent serviceability.

#### **Inverter technology**



**Aluminum casing** 



## **Features of Kito RY Series Wire Rope Hoist**

#### Safety

RY is equipped with cutting edge safety system and the control voltage has been lowered (3t and 5t: DC24V, 10t: AC24V) to ensure safety for the operators.

#### Design

A simple, modern and functional design accommodates wide variety of applications and demands.

#### Durability

Excellent durability and a long service life is offered by utilizing Kito's electric chain hoist technology and originally designed inverter.

#### Productivity

The low-load high-speed function with the inverter is provided for better efficiency. Smooth movement is enabled with the soft start/stop function.

#### **Ease of operation**

The ergonomic design makes it easy and effortless to use and provides comfortable operations even for long working hours.

#### **Total cost**

**(**G

Maintenance time required is reduced by improved service life and serviceability, providing more value over time.

# Safety

# Equipped with the inverter as standard (lifting / lowering and traversing)

Smooth operation with the anti-jogging feature for lifting/ lowering. The soft start/stop minimizes the swing of a load.

### **Electronic overload limiter**

Detects overload instantaneously and shuts off the circuit for lifting.

## Electronic thermal motor protection

Detects overheat and stops the operation to protect the motor.

## Upper/lower limit switch

Upper/lower limits are externally adjustable to set the range of operation.

## Rope guide

Full wrap rope guide keeps the rope securely in the groove.

## Lower control voltage for the pendant

3t and 5t: DC24V, 10t: AC24V for improved safety

# Durability

# High-performance pull rotor type motor brake on 3t and 5t, magnetic disc brake on 10t

Durable brake rated for more than 1 million cycles.

# Serviceability

## CH meter (inverter built-in function)

The number of starts and operating hours are displayed on the LED, enabling users to perform maintenance and inspection in accordance with the frequency of use.



## Performance

#### Wire rope (high-strength wire rope)

Equipped with high-strength wire rope to reduce weight and size of the unit (5t models or higher).

### Low-load high-speed function (lifting / lowering)

Operates at 1.5 times the rated speed with a load less than 25% of rated capacity for enhanced productivity.

### Low headroom model

Minimum headroom for efficient use of work space. Suitable for crane girders with various flange widths.

### Double girder model

The trolley adopts a side roller system to prevent wear on wheels and crane rails.

Double girder model

# **Advantages of inverter**

- Smooth movement
- •Soft start/stop minimizes load swing.
- High and low speed adjustability. Max ratio of 6:1.
- •Includes standard count hour meter that records and displays the number of lifting/lowering starts and hoist on time for preventative maintenance.
- •Electronic overload limiter: Detects overload instantaneously and shuts off the circuit for lifting.
- •Electronic thermal motor protection: Detects overheating and stops the motor.
- •Low-load high-speed function: Operates at 1.5 times the standard high speed with a load less than 25% of rated capacity.
- Better maintainability



Inverter control - hoist and trolley

## Lineup

Capacity Model	3 t	5 t	10 t
Low headroom	$\checkmark$	$\checkmark$	$\checkmark$
Double girder	_	_	✓

# **Features of each part**

#### Low-load high-speed function

Operates at 1.5 times the standard high speed with a load less than 25% of rated capacity.

### Rope drum

Deep grooved, high strength drum for durability and long service life.

#### Full 360° rope guide

Made of a high strength polymer for durability, keeps the rope securely in the groove on the drum. Simple design makes replacement easy.

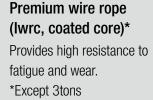


**Externally adjustable upper/ Lower limit switches** Set the range of operation with easy adjustment.

#### Externally adjustable trolley motor and brake

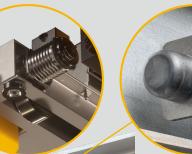
IP55 totally enclosed non ventilated (TENV) motor with cooling fins ensures protection from dust and water and enhances motor life.

\*Actual product comes with a drum cover. The picture shown is a low headroom model.



#### **Double girder model**

The trolley adopts a side roller system to prevent wear on wheels and crane rails.



## Standard rubber trolley buffers Provides protection from collisions.

**Built-in bumpers** (Only low headroom model) Security for the operator and the equipment.

#### Standard guide rollers

(Only low headroom model) Reduce wheel friction and noise while providing smooth travel and increased life of wheel and beam.

#### Inverter control - hoist and trolley

Soft start/stop minimizes load swing. High and low speed adjustability. Max. ratio of 6:1.

### Count hour meter

Records and displays the number of starts and hoist on time which is valuable for preventive maintenance. Integral to the inverter.



Heavy duty hoist motor

Totally enclosed fan cooled (TEFC) motor with class F insulation and a ribbed frame for maximum cooling and durability. IP44 rating ensures a high level of protection from the entrance of dust and water.

Electronic overload limiter Detects overload instantaneously and shuts off the circuit for lifting.

> Electronic thermal motor protection Detects overheating and stops the motor.



**High performance motor brakes** The Pull-Rotor motor brake on 3 and 5 Ton and Magnetic Disc Brake on 10 Ton provide reliable operation and exceptional durability.

# **Technical materials**

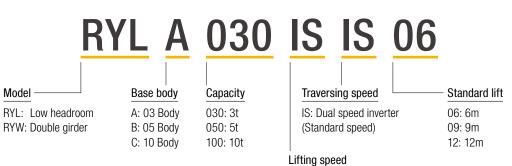
### Model list for low headroom

Capacity	Lifting aroud		Flange w	idth (mm)	
(t)	Lifting speed	125-175	176-350	150-350	351-500
0	Standard	<ul> <li>✓</li> </ul>	$\checkmark$	-	$\checkmark$
3	High	<ul> <li>Image: A start of the start of</li></ul>	$\checkmark$	-	$\checkmark$
r	Standard	<ul> <li>Image: A start of the start of</li></ul>	$\checkmark$	_	$\checkmark$
5	High	<ul> <li>✓</li> </ul>	$\checkmark$	_	$\checkmark$
10	Standard	-	_	$\checkmark$	$\checkmark$

### Standard specification

Power supply	3Phase 200 - 230V 50/60Hz (Only low headroom model) 3Phase 380 - 440V 50/60Hz
Control voltage	3t / 5t: DC 24V 10t: AC 24V
Intermittent ratings	Lifting: 60%ED (high speed: 40%, low speed: 20%) 360 starts/hr Traversing: 30%ED (high speed: 20%, low speed: 10%)
Protection construction	IP44 (IP65 for push button switches)
Operation	Pendant control
Ambient temperature	-20°C to +40°C
Humidity	90%RH or less (no condensation)
Color	Kito Yellow (Equivalent to Munsell 7.2YR6.5/14.5), Kito Metallic Gray

#### Product code



IS: Dual speed inverter (Standard speed)

IH: Dual speed inverter (High speed)

## Intermittent rating and start-up frequency

Intermittent rating (%ED) $=$	Maximum time of operation allowed in 1 hour (min.)	x 100
	60 min.	X 100

Start-up frequency = Maximum number of starts allowed in 1 hour

#### **Hoist classifications**

#### IS0

	Ctata of loading			To	tal duratio	on of use	(h)		
	State of loading	200	400	800	1600	3200	6300	12500	25000
Light	Mechanisms subjected very rarely to the maximum load and, normally, to light loads	-	_	M1	M2	M3	M4	M5	M6
Moderate	Mechanisms subjected fairly frequently to the maximum load but, normally, to rather moderate loads	_	M1	M2	M3	M4	M5	M6	_
Heavy	Mechanisms subjected frequently to the maximum load and, normally, to loads of heavy magnitude	M1	M2	M3	M4	M5	M6	-	_
Very heavy	Mechanisms subjected regularly to the maximum load	M2	M3	M4	M5	M6	-	_	_

This classification refers to ISO 4301-1 and applies to the mechanical components including gears and bearings except for consumable parts. The grade symbols are identical to those of ASME HST-1M. (Performance standard for electric chain hoist)

## Specification list for low headroom model

					Lifting: Ir	verter operation		Trav	versing: Inver	ter operation		Wire	e rope		Wei	ght
			*1		Motor	Speed			Motor	Speed						
Capacity (t)	Product code	Standard lift (m)	Flange width (mm)	Output	Intermittent	With a rated load	With a <sup>*2</sup> low load	Output	Intermittent		Rope diameter	Reeving	Construction	IS0	Main unit	Hook
		(,	(1111)	(kW)	rating (%ED)	High / low speed m/s (m/min)	m/s (m/min)	(kW)	rating (%ED)	speed m/s (m/min)	(mm)				(kg)	(kg)
			125 to 175			0.083 / 0.014	0.125								375	
	RYLA030ISIS06		176 to 350	3.5		(5.0 / 0.833)	(7.5)								380	
		6	351 to 500												385	
	RYLA030IHIS06		125 to 175	5.0		0.133 / 0.022	0.200								375 380	
	RTLAU30IHISU0		176 to 350 351 to 500	5.0		(8.0 / 1.333)	(12.0)								385	
			125 to 175												405	
	RYLA030ISIS09		176 to 350	3.5		0.083/0.014	0.125								410	
			351 to 500	0.0		(5.0 / 0.833)	(7.5)			0.333 / 0.056			6 x Fi(29) B type JIS G 3525		415	
3		9	125 to 175		40/20			0.25	20/10	(20 / 3.333)	Ø8	4/1	1770N/mm <sup>2</sup>	M5	405	30
	RYLA030IHIS09		176 to 350	5.0		0.133 / 0.022	0.200						(Standard wire rope)		410	
			351 to 500			(8.0 / 1.333)	(12.0)								415	
			125 to 175												440	
	RYLA030ISIS12		176 to 350	3.5		0.083 / 0.014	0.125								445	
			351 to 500			(5.0 / 0.833)	(7.5)								450	
		12	125 to 175												440	
	RYLA030IHIS12		176 to 350	5.0		0.133 / 0.022	0.200								445	
			351 to 500			(8.0 / 1.333)	(12.0)								450	
			125 to 175												395	
	RYLB050ISIS06		176 to 350	5.0		0.083 / 0.014	0.125								400	
			351 to 500	1		(5.0 / 0.833)	(7.5)								405	
		6	125 to 175												415	
	RYLB050IHIS06		176 to 350	8.0		0.133 / 0.022 (8.0 / 1.333)	0.200 (12.0)								420	
			351 to 500	1		(0.07 1.333)	(12.0)								425	1
			125 to 175				0.405								425	
	RYLB050ISIS09		176 to 350	5.0		0.083 / 0.014 (5.0 / 0.833)	0.125 (7.5)						IWRC 6 x P/WS(26) Compliant with		430	]
5		9	351 to 500		40/20	(0.07 0.000)	(1.0)	0.4	20/10	0.333 / 0.056	Ø8	4/1	JIS G 3546	M5	435	35
J		9	125 to 175		40/20	0 100 / 0 000	0.000	0.4	20/10	(20 / 3.333)	00	4/1	2160N/mm <sup>2</sup>	IVIJ	445	35
	RYLB050IHIS09		176 to 350	8.0		0.133 / 0.022 (8.0 / 1.333)	0.200 (12.0)						(High-strength wire rope)		450	
			351 to 500			(0.0.7, 0.000, 0)	()						wite topoj		455	
			125 to 175			0.083 / 0.014	0.125								460	
	RYLB050ISIS12		176 to 350	5.0		(5.0 / 0.833)	(7.5)								465	
		12	351 to 500												470	
			125 to 175			0.133 / 0.022	0.200								480	
	RYLB050IHIS12		176 to 350	8.0		(8.0 / 1.333)	(12.0)								485	
			351 to 500			,									490	
	RYLC100ISIS09	9	150 to 350	13.2									IWRC 6 x P/WS(31) Compliant with		1015	
10			351 to 500		40/20	0.100 / 0.017	0.150	0.75	20/10	0.333 / 0.056	Ø13	4/1	JIS G 3546 2160N/mm <sup>2</sup>	M5	1025	90
	RYLC100ISIS12	12	150 to 350	13.2		(6.0 / 1.0)	(9.0)			(20 / 3.333)			(High-strength		1090	
			351 to 500										wire rope)		1100	

## Specification list for double girder model

						Lifting: In	verter operatior	ı	Trave	ersing: Inverte	er operation		Wire	rope		Wei	ght
		Steadard Dail Drides <sup>*4</sup> Motor		Motor	Spee	d	I	Motor	Speed								
Capac (t)	ty Product code	Standard lift (m)	Rail gauge (mm)	Bridge rail (mm)	Output	Intermittent	With a rated load	With a <sup>*2</sup> low load	Output	Intermittent	high / low	Rope diameter	Reeving	Construction	IS0	*3 Main	Hook
			(1111)	(1111)	(kW)	rating (%ED)	High / low speed m/s (m/min)	m/s (m/min)	(kW)	rating (%ED)	m/s (m/min)	(mm)	Ū			unit (kg)	(kg)
10	RYWC100ISIS09	9	2000	50x50	13.2	40/20	0.100/0.017	0.150(9.0)	0.4x2	20/10	0.400 / 0.067	013	4/1	IWRC 6 x P/WS(31) Compliant with JIS G 3546	M5	1230	90
10	RYWC100ISIS12	12	2000	50250	13.2	40/20	(6.0 / 1.0)	0.150(9.0)	0.4XZ	20/10	(24.0 / 4.0)	W13	4/1	2160N/mm <sup>2</sup> (High-strength wire rope)	CIVI	1260	

 $^{\star}$  1: For other flange options, please inquire Kito distributor in your region.

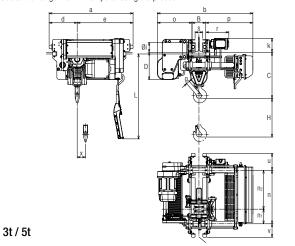
\*2: When a load is less than 25% of the rated capacity, 1.5 times faster than high speed.

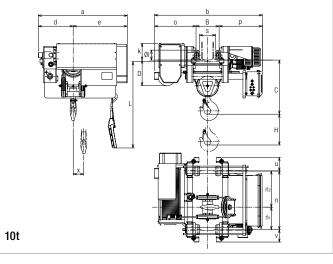
\*3: Including the weight of the hook \*4: The details are on the drawing on page 13.

Capacity (t)	Product code	Standard lift H (m)	Flange width B	С	D	L	a	b	d	e	g	i	k	n	N1	N <sub>2</sub>	0	р	r	S	u	v	x
			125 to 175					1215										649 to 599					
	RYLA030ISIS06 RYLA030IHIS06	6	176 to 350			5700	1067	1390		710				680		494		773 to 599					106
	III LA030IIII300		351 to 500					1540										748 to 599					
			125 to 175					1215										649 to 599					
3	RYLA030ISIS09 RYLA030IHIS09	9	176 to 350	635	348	8700	1279	1390	357	922	43	Ø125	178	892	186	706	441	773 to 599	293	B-80	216	171	160
	III LA030IIII303		351 to 500	1				1540										748 to 599					
			125 to 175					1215										649 to 599					
	RYLA030ISIS12 RYLA030IHIS12	12	176 to 350			11700	1491	1390		1134				1104		918		773 to 599					213
	TTEROSONINOTZ		351 to 500					1540										748 to 599					
			125 to 175					1215										649 to 599					
	RYLB050ISIS06 RYLB050IHIS06	6	176 to 350	]		5700	1067	1390		710				680		494		773 to 599					106
			351 to 500					1540										748 to 599					
			125 to 175					1215										649 to 599					
5	RYLB050ISIS09 RYLB050IHIS09	9	176 to 350	650	348	8700	1279	1390	357	922	45	Ø125	186	892	186	706	441	773 to 599	342	B-80	216	171	160
			351 to 500					1540										748 to 599					
			125 to 175					1215										649 to 599					
	RYLB050ISIS12 RYLB050IHIS12	12	176 to 350			11700	1491	1390		1134				1104		918		773 to 599					213
	in Ebooonino i E		351 to 500					1540										748 to 599					
	RYLC100ISIS09	9	150 to 350			8700	1348	1633		820				887		548		855 to 655					160
10	1120100131309	5	351 to 500	820	388	0700	1340	1783	528	020	72	Ø150	256	007	339	540	628	804 to 655	631	B-105	205	189	100
10	RYLC100ISIS12	12	150 to 350	020	500	11700	1563	1633	520	1035	12	0100	200	1102	009	763	020	855 to 655	031	0-100	200	109	213
	11120100101012	12	351 to 500			11700	1000	1783		1000				1102		100		804 to 655					213

## Dimension table for low headroom model (mm)

•Select the flange width when purchasing the product.





## Dimension table for double girder model (mm)

Capacity (t)	Product code	Standard lift H (m)	Rail gauge RG	С	L	a	b	d	e	g	k	n	<b>N</b> 1	N2	0	р	q	w	x
10	RYWC100ISIS09	9	2000	800	8700	1367	2863	786	581	72	650	725	425	300	482	381	86	920	160.5
10	RYWC100ISIS12	12	2000	800	11700	1307	2003	700	501	12	000	725	420	300	402	301	00	805	214
		к С Н	q q Bridge rail											>	-				

# **Technical materials**

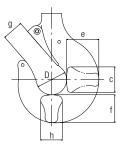
## Stopper dimension table for low headroom model (mm)

Capacity (t)	Product code	F*	Selection	Н	E	G	C	В	t	К	Ød	<u>н В </u> н
3	RYLA030ISIS		F≤90	80	C+25	50	40				14 (M12)	F t1
3	RYLA030IHIS	(B-t1)	F>90	100	C+30	60	45	125 to 500			18 (M16)	d Bolt Spring wa
5	RYLB050ISIS	/2	F≤90	100	0+30	00	40	125 10 500	9	t2+60	10 (10110)	
5	RYLB050IHIS		F>90	110	C+35	65	50				22 (M20)	(B-t1)/4
10	RYLC100ISIS	(B-t1) /2+15	_	120	C+35	65	50	150 to 500			22 (11/20)	

\*: Rounded down to a whole number

## Hook dimension table (mm)

Capacity (t)	Product code	D	g	h	f	е	C
3	RYLA030ISIS RYLA030IHIS	63	43	45	58	67	53
5	RYLB050ISIS RYLB050IHIS	71	45	53	67	80	63
10	RYLC100ISIS RYWC100ISIS	100	72	75	95	112	90



## Rated current (A)

		200-	230V	380-	440V
Capacity (t)	Product code	50Hz/	/60Hz	50Hz	/60Hz
		Lifting motor	Traversing motor	Lifting motor	Traversing motor
2	RYLA030ISIS	18.0	1.6	9.5	0.0
3	RYLA030IHIS	29.5	1.6	15.0	0.8
5	RYLB050ISIS	29.5	2.0	15.0	1.0
Э	RYLB050IHIS	46.0	2.0	24.0	1.0
10	RYLC100ISIS	54.0	3.3	27.0	1.6
10	RYWC100ISIS	-	-	27.0	1.0 x 2

#### Permissible cable length

Capacity (t)	Product code	200V Grade			400V Grade			
		Wire size (mm²)	Permissible cable length (m) 50Hz / 60Hz		Wire size (mm²)	Permissible cable length (m)		
						50Hz / 60Hz		
			220V	230V		380V	415V	440V
3	RYLA030ISIS	5.5 (8)	40 (58)	41 (60)	2 (3.5)	47 (83)	52 (91)	55 (97)
	RYLA030IHIS	8 (14)	36 (64)	38 (67)	3.5 (5.5)	54 (85)	59 (93)	63 (99)
5	RYLB050ISIS	8 (14)	36 (63)	37 (66)	3.5 (5.5)	53 (84)	58 (92)	62 (98)
	RYLB050IHIS	14 (22)	41 (65)	43 (68)	5.5 (8)	54 (78)	59 (86)	62 (91)
10	RYLC100ISIS	14 (22)	34 (54)	36 (57)	3.5 (5.5)	30 (47)	32 (51)	34 (54)
	RYWC100ISIS	—			0.0 (0.0)	29 (46)	52 (51)	34 (34)

\*Figures in ( ) are for larger size.

## Installation

Installation of the hoist must be carried out only by a professional or a qualified personnel.

- Install the hoist only in an environment in which the hoist is intended for.
- Be sure to create a proper grounding connection.
- Be sure to attach stoppers at the ends of the trolley and crane beams.
- Make sure that the structural strength is sufficient at the site of installation.
- Do not modify the product and its accessories.

## **Regulation on use**

Do not perform the following legally prohibited actions.

- Lifting more than rated load for the hoist.
- Lifting, supporting or transporting people.
- Lifting or supporting loads over people.

## Selection of a model

Make sure to carefully check the listed specifications to select a model.

Consult Kito for specifications not covered in this guide.

- Ensure that the voltage of the power supply is proper for the hoist.
- Do not operate the hoist beyond its duty rating (intermittent rating and start-up frequency).

## Legal requirements regarding inspection

The following actions are required for users of the hoist.

- Implementation of daily inspection.
- Implementation of monthly and yearly self-inspection.
- Storage of the monthly and yearly self-inspection record for three years.

## Other

• Make sure to understand the information and the warnings in the Owner's manual provided with the product before use.



#### Head office & factory

2000 Tsuijiarai Showa-Cho, Nakakoma-Gun, Yamanashi 409-3853, Japan TEL: +81-55-275-7521 FAX: +81-55-275-6162

#### **International Sales Subsidiaries**

#### U.S.A.

#### Harrington

401 West End Avenue, Manheim, PA 17545, U.S.A. TEL: +1-717-665-2000 FAX: +1-717-665-2861 harringtonhoists.com

#### Peerless

1416 East Sanborn St. Winona, MN 55987, U.S.A. TEL: +1-800-873-1916 FAX: +1-800-356-1149 peerlesschain.com

#### CANADA

#### Kito Canada

309-3815 1st Ave., Burnaby, BC V5C 3V6, Canada TEL: +1-604-291-9955 FAX: +1-604-294-8855 kito ca

#### BRAZIL

#### Kito Brazil

Unidades 37-38 do CLE - CENTRO LOGISTICO EMBU Rua José Semião Rodrigues Agostinho, 1370, Bairro Água Espraiada – Embu das Artes, SP, Brasil TEL: +55-11-3253-1000 FAX: +55-11-3253-1008 kito.com.br/

#### GERMANY

#### Kito Europe

Heerdter Lohweg 93, D-40549 Düsseldorf, Germany TEL: +49-(0)211-528009-00 FAX: +49-(0)211-528009-59 kito.net

#### ITAI IA

#### Kito Chain Italia

Via Giuseppe Verdi 11, 33018, Tarvisio (Ud), Italia TEL: +39-(0)428-4171 FAX: +39-(0)428-417301 kitochainitalia.com

#### FINLAND

#### Kito Erikkila

Masalantie 225, 02430, Masala, Finland TEL: +358-9-2219-0530 FAX: +358-9-297-5021 erikkila.com

#### **NETHERLANDS**

#### Kito Van Leusden

Parelhoenweg 2 NL - 4791 PA Klundert Harbour number M457 A The Netherlands TEL: +31-168-385-225 FAX: +31-168-385-230 vanleusden.com

#### AUSTRALIA

#### Kito PWB

441 Grimshaw Street, Bundoora, VIC 3083, Australia TEL: +61-1300-792-262 FAX: +61-3-9467-7290 kitopwb.com.au/

#### Tokyo head office

SHINJUKU NS Bldg. 9F, 2-4-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 163-0809, Japan TEL: +81-3-5908-0180 FAX: +81-3-5908-0189 kito.co.jp/en Kito global website: kitocrosby.com

#### CHINA

#### **Jiangyin Kito**

18 Cheng Jiang East Road, Jiang Yin, Jiang Su 214429, China TEL: +86-510-86199700 FAX: +86-510-86196633 kaicheng.com

#### Kito Shanghai

Room 11J, Zao-Fong Universe Building, No1800 ZhongShan West Road Shanghai 200235, China TEL: +86-21-54488935 FAX: +86-21-54488937 kito.com.cn

#### TAIWAN

#### Kito Taiwan

12F-1, 128c sec. 3, Ming-Shen East Road, Taipei, Taiwan 10596 TEL: +886-2-2719-7616 FAX: +886-2-2719-6900 tw kito com

#### KOREA

Kito Korea 3Dong 903, 15, Pangyo-Ro 228Beon-gil, Bundang-gu, Seongnam-si, Gyeoonggi-do, Korea 13487 TEL: +82-31-600-7450 FAX: +82-31-600-7469 kito.kr

#### THAILAND

Siam Kito 205 M.2, T.Klongtumru, A.Muangchonburi, Chonburi 20000, Thailand TEL: +66-3819-5711 FAX: +66-3846-8195 siamkito.co.th

#### INDIA

#### Kito India

#118/2, 80 Feet Road, Jakkur Post, Yelahanka Hobli, Bengaluru - 560064, Karnataka, India TEL: +91-80-2950-3090 kito.co.in

#### **INDONESIA**

#### Kito Indonesia

JL. Kenari Raya Block G2-10A, Delta Silicon 5, Lippo Cikarang, Bekasi, Indonesia TEL: +62-21-2961-2150 FAX: +62-21-2961-2151 id kito com/id

- •When you want to use our products for special purposes, consult us in advance.
- •When you want to export our products, consult us in advance. There are different standards and regulations from one destination to another. •It is prohibited to reprint, copy or divert all the information in this catalog (product patents, trademarks, photos, designs, copies, illustrations, etc.) without our consent.
- •The specifications in this catalog are partly subject to change without prior notice.
- •Product specifications may vary depending on the country. For more details please contact the nearest Kito dealer



<sup>•</sup>The functions and performance of the products mentioned in the catalog have been designed based on the related regulations and standards If they are used for other than their intended purposes such as being integrated into your equipment, we will not take any responsibility for accidents attributable to their unintended usages as well as guarantee their performance and functions.

Never remodel our products.