

RIGGING SOLUTION INDEX

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Content

We can lift anything you can rig! The Rigpro chain hoist is well-known for its excellent mechanical design, robust die-cast construction and components as well as its sophisticated craftsmanship. In combination, these characteristics make the Rigpro chain hoist best of class. In addition, KUPO also offers complimentary comprehensive rigging equipment such as chain hoist controllers, chain bags, hoist jackets, beam clamps, shackles, cable sets, braided ropes, webbing or steel round slings according to customer demand.

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RIGPRO

Professional Entertainment Rigging



CE

Standard

Item

Description



BGV D8+

(IGVW SPQ2)

RD-500

RD-500P

RD-500	500 Kgs Chain Hoist, Direct Control.
RD-500P	500 Kgs Chain Hoist, Direct Control. Micro Switch Position.



BGV D8

(DGUV Vorschrift 54)

RH-250

250 Kgs Chain Hoist, Direct Control.





BGV D8
(DGUV Vorschrift 54)

RH-500

RH-500P

- RH-500 500 Kgs Chain Hoist, Direct Control.
- RH-500P 500 Kgs Chain Hoist, Direct Control.
Micro Switch Position.



BGV D8
(DGUV Vorschrift 54)

RH-1000S4

RH-1000PS4

RH-1000LV

RH-1000CV

- RH-1000S4 1 Ton Chain Hoist, Direct Control.
- RH-1000PS4 1 Ton Chain Hoist, With Micro Switch Positioning.
- RH-1000LV 1 Ton Chain Hoist, Low Voltage Control.
- RH-1000CV 1 Ton Chain Hoist, Direct Control, Convertible
Voltage 220 / 380V.



BGV D8
(DGUV Vorschrift 54)

RH-2000

- 2 Ton Chain Hoist, Direct Control.





RD-500 / RD-500P BGV D8+ Chain Hoist

Comply with BGV D8+ (IGVW SPQ2)

RD-500 and RD-500P are built with the following configuration:

- Load capacity 500kgs (1 fall) with safety factor 10: 1
 - Spring-applied double DC brake enhances the safety
 - Overload friction clutch is located outside the load path
- Those comply with specification of BGV D8+, meeting IGVW SPQ2 Code of Practice for entertainment rigging. It is designed for any climbing and upright applications.



Outstanding Features:

- 5-pocket liftwheel makes lifting smoother and less vibration
- Epoxy black powder coated for less visibility and corrosion resistance; with rubber gasket and mechanical design, the complete unit turns to be IP55 rated.
- Forward-curve enhanced Nylon chain guide is robust and keeps chains running smoothly in the central.
- Two foldable handles provide an easy manner for transportation of the hoist.
- Housing is fabricated of gravity die-cast aluminum; light weight yet robust and durable.
- Gears are made of alloy steel with heat treatment for steady operation and less wearing and fine grounding on gears makes engagement precisely with less operation noise.
- Upper and lower hook are made of drop-forged high tensile carbon steel, allowing 360 degree freely swiveling.
- Over-heat protection, for the maximum limit of 140 (+/-5) Celsius degree, will only allow to lower the load instead of lifting.
- Micro Switch Positioning (MSP) helps to set the up and down limit on travelling position without too much effort on direct control chain hoist (applied for RD-500P model).

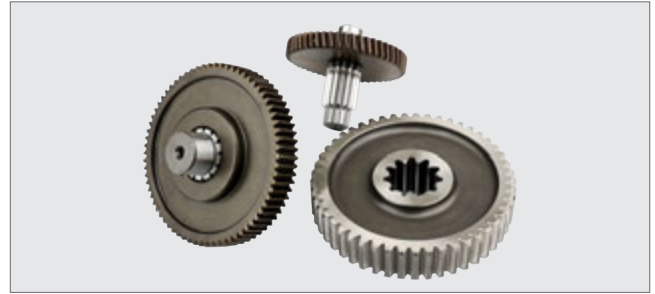




Features



5-pocket lift chain wheel for smooth and quiet lifting operation. ▲



Helical gears used to cement 3-step drive system for quiet operation and long wear life. ▲



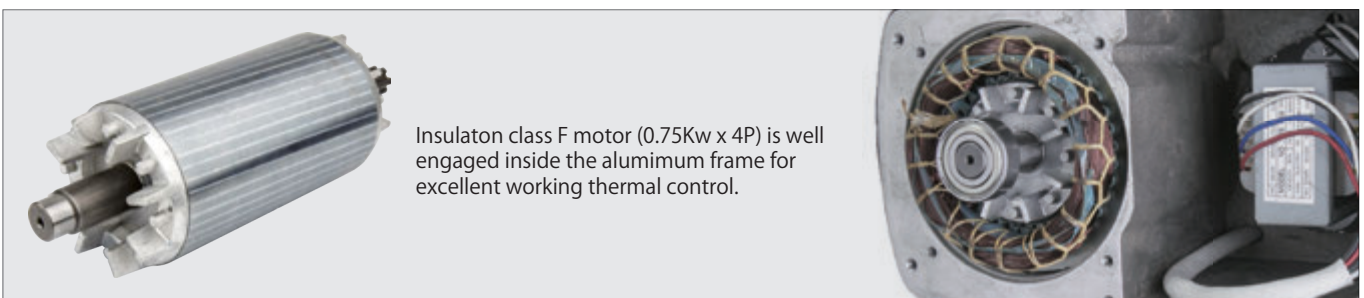
Friction clutch is located outside the load patch and set at 125% load capacity while delivered.



Two independently-acting spring-applied DC brakes aims for higher safety standard. ▲



Adjusting clutch torque, if necessary, is convenient with an Allen key tool. ▲



Insulation class F motor (0.75Kw x 4P) is well engaged inside the aluminum frame for excellent working thermal control.



unfold / fold

Foldable grips make transportation easy, and reduce the interference over the operation. ▲



Die-casting housing for the greatest toughness and robustness. ▲



Micro Switch Positioning (MSP) provides an easy manner for DC hoist to set the up or down traveling position without too much effort.

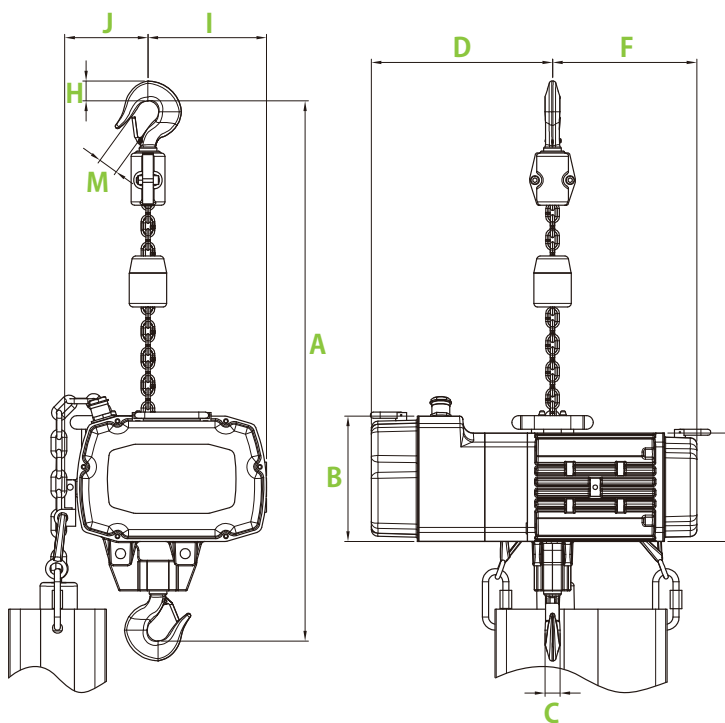


Specification

- Load capacity: 500kgs
- Type: DC (direct voltage control)
- Motor: 0.75KW x 4P
- Motor isolation class: F
- Operation voltage: AC 400V / 50Hz
- Lifting speed: 4M/min (50Hz), 4.8M/min (60Hz)
- Load wheel: 5-pocket
- Load chain: Grade 80, 7.1 x 20.2mm
- Duty cycle: 2m FEM class, ED 40% or 240 on/off per hour
- Friction clutch: outside the load path
- Chain hoist weight: 50kgs (without chain)
- Chain weight: 1.1kgs per meter
- Micro Switch Positioning: optional

Capacity (kg)	Model	Speed (m/min) 50Hz/60Hz	Fall No.	Load Chain (Dia x Pitch) (mm)	Motor (kw x pole)	Weight of hoist (kg)
500 kg	RD-500	4.0 / 4.8	1	Ø 7.1 x 20.2	0.75 x 4	50
500 kg	RD-500P	4.0 / 4.8	1	Ø 7.1 x 20.2	0.75 x 4	50

Dimensions: (mm)



Model	Dimension (mm)								
	A	B	C	D	F	H	I	J	M
RD-500	650	185	23	267	213	33	175	123	30
RD-500P	650	185	23	267	213	33	175	123	30



All-New “Micro Switch Positioning” For Chain Hoist A better rigging choice you shouldn't miss out

RH-1000P is designed for installation where chain lifting or hoist climbing to precise position is required. This new model offers the lifting operation an alternative manner in position control over simple and quick steps of maneuver.

Convenient & Fast Setting

Each RH-1000P chain hoist comes with built-in micro switches and is equipped with up and down rubber blocks. Activate this system is just simple as 1-2-3: slide the rubber block to the desired position where you want to stop the moving, run the chain hoist with ordinary DC (direct control) controller, and then the lifting or climbing will stop while rubber block touch the micro switch on the nylon chain guide. No complicated setting; it's no brainer.

Precise & Safe

Whilst rubber block is fixed and running to touch the micro switch, the hoist will stop travelling immediately without delay, even the controller is set on working in this stage. In the case of multiple chain hoists in operation, as soon as the micro switch is triggered on each unit, hoist won't move an inch which ensures the fidelity to entire system's stability and safety.



YOUTUBE
RIGPRO ALL NEW
RH-1000P DC CHAIN HOIST



Rubber block has a dia. 5mm perforate hole, leaving a cable tie to anchor the rubber block on chain tightly from slipping. Palm-size rubber block is handy to grip and slide. Damage-free on chain link and durable for frequent use.





Rigpro RH-1000 is a three phase chain hoist, loading rated for 1000 kgs, and built for rigorous entertainment rigging environment. RH-1000 is available with DC (Direct Control) and LVC (Low Voltage Control) version, and operates in both upright and inverted positions.



Outstanding Features:

- Gravity die-casted aluminum, matt-black non reflective finish chassis for rigid, light-weighted, durable and low visibility.
- Epoxy black powder coated chassis is featuring corrosion-resistance, and with fine gasket and mechanical design, the complete unit turns to be IP54 rated.
- Enhanced Nylon chain leading plate ensures the chain links properly fit into the lift wheel, and eliminates the possibility of jamming, as well as protects the lift wheel from wet and dirt.
- Heavy-duty DC brake automatically gets engaged in the event of power failure, requiring very little maintenance and only minor periodic adjustments.
- Hook is made of drop-forged high tensile steel with heat treatment, allowing 360 degree swiveling, and equipped with safety latch to ensure proper rigging the load.
- Equipped with duty cycle ED 40% high efficiency, lightweight and robust motor, running the chain hoist quietly and steady.
- Operates on three phase voltage of 400V/50Hz, and LVC is 110V as standard. Other voltage for DC and LVC version is available upon request.
- Conforms to FEM 2m / ISO M5 classification, covering a wide range of applications.
- Average operational noise is within 75dB, quietly working and less noisy.





Features



RH-1000 / RH-500



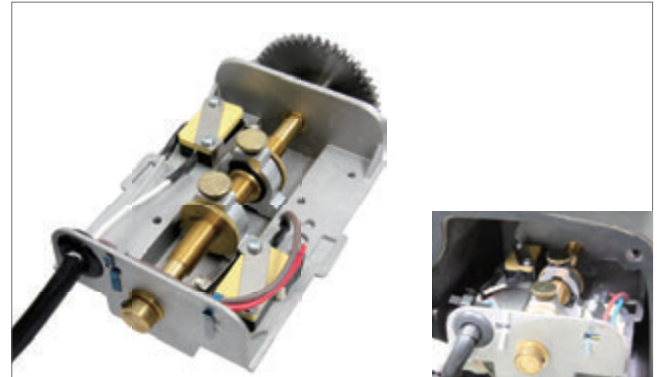
RH-250

Chain Guide

Made of robust material, enhanced Nylon, and comply with housing design to make sure the load chain operating smoothly.

The forward-curve shape of enhanced Nylon keeps operating chain in the central position, away from getting stuck in the farther sides.

RH-250 pulley type chain guide.



Gear Limit Switch (LVC version only)

It can be handy adjusted to the required position, setting the chain travelling limits and offering the preventable method for hoist from over winding and damage.



Mechanical Overload Device

Gear is made of alloy steel with heat treatment for steady operation and less wearing and tearing. Fine-ground gear makes engagement precisely with less operation noisy.

While generated torque is over the friction torque, the overload mechanism will trigger, in which motor keeps running but slipping clutch hold back the hoist from further lifting for the sake of safety.



Hook

Upper hooks apply material SF45C to cast which allow swiveled 360 and are equipped with safety latch to enhance the loading safety.

Lower hooks apply material SF45C to cast which allow swiveled 360 and are equipped with safety latch to enhance the loading safety. Connection plate is bend and formed by high strength steel for excellent safety.



Electromagnetic Disk Brake

Electromagnetic disk brake will brake synchronously while the power is off, ensuring the operation safety while loading.



Magnetic Contactor & Clutch Adjustment

- High performance fuse circuit breakers are fastened in a rotatable bracket for easy maintenance and inspection.
- The clutch torsion can be adjusted through a torque tool by a qualified technician. Easy to access and calibrate.



Grade 80 Alloy Chain



Alloy chain

Premium quality and high strength alloy chain, heat treated, used in a variety of sling and tie down applications. For overhead lifting applications, only Grade 80 alloy chain should be used.

Identification

Shall have periodic embossing for identification purpose. The embossing shall include the manufacture's identification mark or symbol, the traceability code or date code, and the grade indicator.

Features

- Made from carbon steel superior alloy, grade 80 chain load chain is precise calibrated and heat treated for maximum strength and wear resistance.
- Safety factor 7:1, greater durability and safety.
- Black phosphate finish for corrosion resistance and low-key.

Part Number	Description
CHC-7.1	7.1 x 20.2 mm chain, Grade 80, per meter weights 1.12 kgs.
CHC-6.3 / 19.1	6.3 x 19.1 mm chain, Grade 80, per meter weights 0.89 kgs.
CHC-4.0	4.0 x 12.0 mm chain, Grade 80, per meter weights 0.35 kgs.



YOUTUBE
OVERVIEW FOR
RIGPRO ELECTRIC CHAIN HOIST



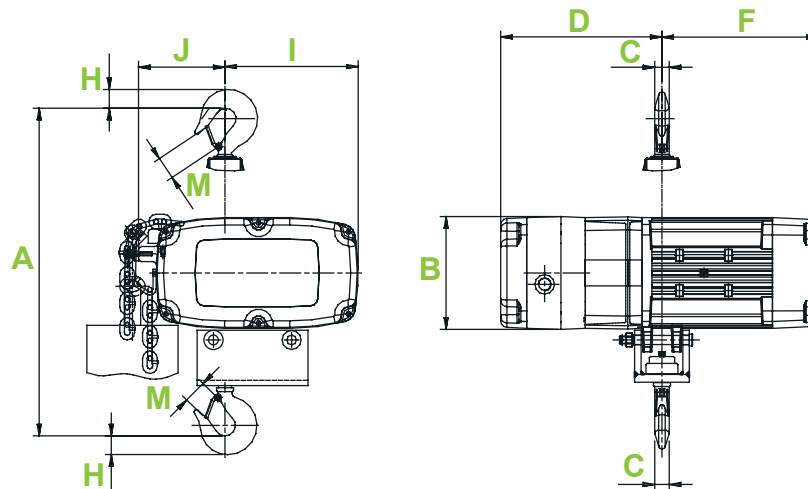


Safety Features

- DC Motor Brake: With two-side single disk brake, electro-magnetic brake actuates synchronously in the event of power failure to ensure the operation safety while loading.
- Overload Slipping Clutch: Protects the hoist from damage of overload, and ensures the life-span of chain hoist.
- Over-Heat Protection: With built-in heat detector, when motor's inside working temperature reaches 140(\pm 5) Celsius degree, the protection mechanism will trigger, and not allow lifting the load. Instead, it permits coming down to release the load.
- Gear Limit Switch (only applied for LVC version): Upper and lower limit switches are fitted to switch off the power simultaneously in the case of over lifting or lowering position.
- Phase Protection (only applied for LVC version): Built with phase error relay, in case of any phase missing or incorrect, the machine will not be in active, ensuring the safety and durability to all components.

Capacity (kg)	Model	Speed (m/min) 50Hz/60Hz	Fall No.	Load Chain (Dia x Pitch) (mm)	Motor (kw x pole)	Weight of hoist (kg)
2000	RH-2000	4.0 / 4.8	2	Ø 7.1 x 20.2	1.50 x 2	62
1000	RH-1000PS4	4.0 / 4.8	1	Ø 7.1 x 20.2	0.75 x 4	47
	RH-1000S4	4.0 / 4.8	1	Ø 7.1 x 20.2	0.75 x 4	47
	RH-1000LV	3.3 / 4.0	1	Ø 7.1 x 20.2	0.75 x 4	47
	RH-1000CV	4.0 / 4.8	1	Ø 7.1 x 20.2	0.75 x 4	47
500	RH-500	4.0 / 4.8	1	Ø 6.3 x 19.1	0.40 x 4	42
250	RH-250	4.0 / 4.8	1	Ø 4.0 x 12.0	0.25 x 4	30

Dimensions: (mm)



Model	Dimension (mm)								
	A	B	C	D	F	H	I	J	M
RH-250	410	135	18	205	175	28	165	85	25
RH-500	600	156	23	247	221	33	185	105	30
RH-1000LV	650	156	23	247	221	33	185	105	30
RH-1000CV	650	156	23	247	221	33	185	105	30
RH-1000PS4	650	156	23	247	221	33	185	105	30
RH-1000S4	650	156	23	247	221	33	185	105	30
RH-2000	860	170	27	275	240	39	170	170	30

Chain Hoist Flight Case

Rigpro chain hoist flight case is designed with several features for greater protection over transit. Made of 10mm thickness robust plywood with max durability. Stackable for less storage space. Internal layout is to set the chain hoist firmly and provide sufficient compartment for chain and power cable. Superior butterfly latches lock up lid and main frame tightly. Large spring-loaded handle for convenient grip and handling. Travel easily with four castor and two of them with brake. Robust and tough. It helps show tour to move in/out the chain hoist fast and extra secure to the equipment.



Item	Description
RH-1000-1W	FLIGHT CASE FOR RH-1000 & 500 (standard compartment for 20M chain; customized size for longer chain upon request)



Four dia. 10cm swivel castors for ease of transit; two of them with brake.



Enhanced and rounded corner to brace and withstand unexpected collision.



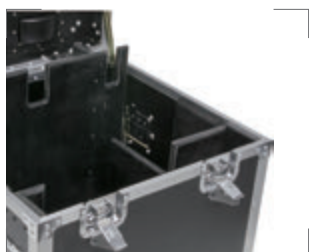
Hinged cover with multi-position lid stay.



Recessed butterfly latched for secure lock.



Lid is reinforced with hinged and two support lid stays.



Wood partition with black painting for extra strength and greatest support.



Heavy-duty recessed flip grip for greatest handling.





The RigPro chain bags are designed to assist with the containment of excess lifting chain, coming down from loads being hoisted, thus preventing common hazards associated with loss chains. The bag with the utmost consideration to safety, convenience and strength. This removable chain bag is made of high grade black fabric, 1000 deniers, and reinforced with 3.5cm wide rugged nylon strips.



Each eyehook has WLL 750 lbs (340.19 kg) and dimension 7 / 16 embossed.



Each quick link carabiner has SWL 2200LBS (997.90kg) and Dia. 5mm imprinted.



The drainage hole on lower side to prevent accumulation of rainwater. 4 mm thickness acrylic plate to distributes the chain weight evenly.



Side eye ring for fasten a quick link carabiner and eyehook. This distributes the weight more evenly on opening frame. Three 3.5cm wide nylon straps to enhance loading capacity.

Features

- 1. Three 3.5 cm straps crisscross the bottom to increase loading capacity.
- 2. 4 mm thickness acrylic plate on bottom distributes the chain weight evenly.
- 3. Upper metal frame keeps chain bag in rectangular shape.
- 4. 2 drainage holes on lower side to prevent accumulation of rainwater in case of outdoor use.
- 5. Made of high grade black 1000 deniers woven fabric.
- 6. Side strap with triple stitches.
- 7. Each chain bag comes with two eyehooks; quick link carabiners attached to the eye ring at two sides.

Note:

- 1. The bags are sold individually including eyehooks and quick link carabiners for fixing them to the hoist.
- 2. Other size, styles and logo embossed are all available upon request.
- 3. The chain bag is compatible with all major brand chain hoist.
- 3. Max. recommended capacity for loading: 75% of bag space.
- 4. Under no condition should the hook block or load be permitted to come in contact with the chain bag.
If contact is made, the function of the chain bag can be interfered and become imperiled.

Product Code	Opening	Length	Capacity
CB-18	14 x 25 cm	45 cm	Max. 25 m of 7.1 mm chain
CB-22	14 x 25 cm	56 cm	Max. 40 m of 7.1 mm chain
CB-36	14 x 25 cm	90 cm	Max. 60 m of 7.1 mm chain



CHAIN BAG for Manual Chain Block

Fabricated of 1000 denier textile fabric with a heavy-duty hook, this round-shape chain bag can be attached to the chain block easily and provides a large compartment for accommodating chains. Supporting straps are stitched with the round frame directly so as to hold the weight firmly. Solid and flat bottom distributes the weight evenly, and three drain holes on the bottom keep the chain dry and rust-free.



Comes with carbon steel snap hook rated for SWL 750kgs.



strap and frame is secured with a leather cover to give the fabric greatest support.



three drain holes on bottom to evacuate the rainwater and keep the bag dry.



Feasible for wide range of manual chain block.

Features

1. Made of 1000 denier fabric with for maximum durability .
2. The dia. 250mm main frame is welded and constructed by a dia. 12mm steel rod which provides the ultimate and strongest structure for a holding bag.
3. 9mm thickness wood plate at the bottom distributes the chain weight evenly.
4. Snap hook is galvanized 7/16" drop forged carbon steel rated for SWL 750kgs.
5. The depth of container is 33cm (13") with load capacity of 20kgs; strap length is 27cm, making the overall profile in 60cm height.

Product Code	Dimensio	Length	Load Capacity
CB-C13	Dia. 25cm x 33cm (bag only)	33cm	20 kgs

As its name, it is the jacket to fit over the hoist body (RigPro RH-1000 and all other major brand hoists) to help protect against rain ingress, dust, moisture, etc. It is made of 900 denier woven polyester and two coats of resin which proofs against the elements and provides long wearing. The standard color is black, CH-52B. Customized color and logo embossed upon request with minimum order quantity.



- 900 denier woven polyester provides long wearing.
- The rectangular cut out to.
- string to tighten the skirt.
- velcro
- foam pad as the protector for the hoist.
- string to tighten the skirt.

Front view

Interior view

WHY NEED HOIST JACKET?

1. Complete protection: the design of rectangular cutout on the top and string in the bottom (to tighten the skirt) leaves the chain hoist from moisture and dust ingress.
2. Cosmetic & Valuable: hoist jacket gives chic appearance, keeps chain hoist low profile, and better than wrap hoist up with other materials.
3. Save time & Simple: only three steps like the followings and take really no time.



Product Code	Description	Size
CH-52B	Hoist jacket for 1-ton chain hoist	530(L) X 330(W) X 280(H) mm



For direct voltage control chain hoist (DC)



CHC-14-3P



CHC-18-3P

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Professional Entertainment Rigging



CHC-14R-3P



CHC-18R-3P



CHC-112R-3P



CHC-11-3PL



CHC-12-3PL

For low voltage control chain hoist (LVC)



CHC-14LVC-EU



CHC-RC12



CHC-11LVC-3P



CHP-1



CHP-2



CHP-2E

DC Chain Hoist Controller

RIGPRO Chain Hoist Controller [Direct Control]

RIGPRO 4-CH and 8-CH direct hoist controllers are designed to withstand the rigorous touring environment, offering stand-alone or multiple-units control system for maximum flexibility. Tailor-made can be specified on request.



CHC-14-3P 4-CH CONTROLLER

Dimension	Weight
L 52 x W 42 x H 21 (cm)	10.00 kgs
	(with water-proof case)



CHC-18-3P 8-CH CONTROLLER

Dimension	Weight
L 52 x W 42 x H 21 (cm)	9.5 kgs
	(with water-proof case)

Features

- 1. Each brief case type of Rigpro chain hoist controller is outfitted with Croxs water proof hard case.
- 2. The case features impactresistance, offering excellent protection to the components of controller over transit.
- 3. Lightweight and compact.
- 4. Occupy less space for ease of storage.





HOIST CONTROLLER



Phase check for clear identification of respective incoming phases. Only when the phase sequence is correct does the equipment start to work. Phase missing displays on a red LED indicator and the equipment won't be functioning. Lockable E-Stop button and phase reverse switch as standard feature.



Built up with 3-PIN XLR in/out connector as linkable ports for multiple system.

Hoist Power Connector			
Wire	L1	L2	L3
Motor_1	1	2	3
Motor_2	4	5	6
Motor_3	7	8	9
Motor_4	10	11	12
Earth	13-19		
Soca 19Pin	Pin Number		

Wiring information clearly disclosed on the front panel (for 8-CH controller) in favor of the user making the corresponding cable assembly for chain hoist controlling system.



Switching power supply for multiple input covering AC 220V, 380V, 400V and 440V for maximum flexibility.



Overall system protection and control circuit breaker ensure the working stability.



Individual up/down rotary switch per motor for handy operation.



Phase reverse switch helps to convert the phase into correct sequence.



Industry standard connectors: power input 32A 5P CEE receptacle; output 16A 4P CEE (4-CH) or 2 x 19-PIN connectors (8-CH). Four or eight channels of direct control using reversing contactors built on the rear side of the panel.



Rack Type Chain Hoist Controller [Direct Voltage Control]

This rack mount model is designed to accommodate for heavier rigging system. Its function is mostly the same as the briefcase type. The major difference is that rack mount type can be installed into standard 19" rack, like a portable dimmer rack system. It is available with 4-channel, 8-channel and the 12-channel. They are all linkable for larger scale of operation.

1. Each controller is supplied with a 2M cable with 5pin CEE form 32A male connector.
2. Handle grips for easy & convenience installation.
3. Each unit comes with footpad for desktop operation.
4. Linkable with 3pin XLR for master/slave function.
5. Output for 4-channel is 4pin CEE form 16A female socket; 8-channel and 12-channel comes with Soca 19pin female socket.
6. Universal 3-phase power input – AC/220V, 380V, 400V and 440V for maximum flexibility.
7. Multiple LED indicators provides the clear information of the working status.
8. Overload and circuit leakage breaker (applied for 8CH and 12CH) keeps user from working hazard.

YOUTUBE
RIGPRO CHAIN HOIST CONTROLLER
[DIRECT CONTROL]



CHC-14R-3P

• Output: 4 x CEE 4-pin / • Height: 3U



Front



Back

CHC-18R-3P

• Output: 2 x Soca 19-pin / • Height: 4U



Front



Back

CHC-112R-3P

• Output: 3 x Soca 19-pin / • Height: 6U



Front



Back

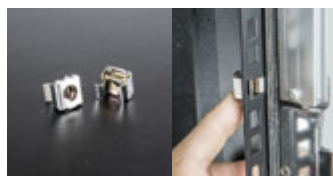


Flight case for Rack Type Controller

Designed for accommodating 19" rack type chain hoist controller, this 16U flight case is fabricated of 9mm thickness plywood and coming with 4 casters for the need in frequent touring. Cage nuts are supplied for the user's convenience to fasten the controller on the square fixing positions. The add-on 3U drawer is key-secured which provides the user a handful storage compartment for their own utility.



Cage nuts are supplied as standard accessory.



Dimension:

Fully closed for transportation

530 (L) x 638 (W) x 754 (H) mm

Ready for rigging operation

530(L) x 460(W) x 754(H) mm

Direct Voltage Control Station

- Housing is made of ABS for greatest impact-resistance and maximum durability.
- For three-phase (AC 220/380/400/440V) chain hoist control directly; additional magnetic switch is no required.
- Unique mechanical interlock design which helps to prevent short circuit.
- Orange indicator will light up while it is connected with electricity.
- With emergency stop mushroom button.
- 3M long cable for both input and output for usage flexibility.
- Connector: 32A CEE form 5pin (input) / 16A CEE form 4pin (output).



CHC-11-3PL

- 1 Channel Direct Controller for Tri-Phase Hoist.



CHC-12-3PL

- 2 Channel Direct Controller for Tri-Phase Hoist.

Low Voltage Control Station

- Housing is made of ABS for greatest impact-resistance and maximum durability.
- For up and down operation for low voltage control chain hoist (24/48/110V).
- With 3M long cable (4C x 2.0mmsq).
- Connector: 16A CEE foam 4pin male connector.



CHC-11LVC-3P

- One Channel Low Voltage Controller for Tri-Phase Hoist.



Controller for LVC [Low Voltage Control Chain Hoist]

Rigpro 4-channel LVC controller in brief hard case is designed for entertainment rigging on the go, covering a comprehensive range of input & control voltage no matter where the tour goes. The most sophisticated and professional controller for LVC chain hoist in its range.

Features

- [1] Feasible to control the chain hoist with input power voltage of 3-phase 220 / 380 / 400 / 440V, and the control voltage 24 / 48 / 110V.
- [2] Flat pushbutton switch with LED indicators and LED screen offers a clear visible identification of operation status.
- [3] Phase error protection, including phase missing or phase reverse warning, secures the operation with the right power condition.
- [4] Pickle mode enables the technician to control LVC chain hoist with pickle directly, with power supplied by this console.
- [5] Duo control interface, console or remote controller, provides the most flexible and powerful operation.
- [6] Remote controller (optional) can be easily hooked up with console through 5-pin XLR cable, providing "Go" link for controlling up to 12 units of chain hoist.



Remote controller is optional

CHC-14LVC-EU 4-CH CONTROLLER

Dimension	Weight
L 52 x W 42 x H 21 (cm)	10.00 kgs
	(with water-proof case)

12-channel Remote Controller

This 12-channel hand held remote controller is designed for LVC chain hoist controller. Fabricated with flat pushbutton switches makes it compact and low profile. Based on digital control design, when hooking up this remote controller to the console via XLR 5 pin cable, it takes the control immediately and makes console a slave. The LED indicators tell you the status of the operation. The "hot key" makes you group all channels in just second.



5-pin XLR to communicate with main controller.



Footpad stabilizes the operation.

CHC-RC12 [Remote Controller]

Mini Motor Pickle

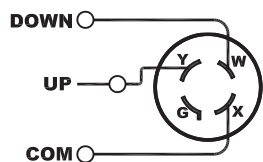
Mini Motor Pickle is designed for LVC(Low Voltage Control) type chain motor. It is must-have gadget to rigger's belt. Three LEDs in the rear chassis help rigger to identify the condition of the hoist on the go. Red LED shows the power is well connected; Yellow and green indicates respectively UP or DOWN direction while running the chain. It is built up rocker switch which will immediately and automatically stop the movement while your finger or thumb leaves the switch. Carabiner is attached for rigger's most mobility. CEE 16A/4P and Turn-lock 20A/4P are available. Mini Motor Pickle is ready for professional rigger to guide your chain in & out between your finger tip.

Features

Lightweight & portable. / Up and Down control from a rocker switch. / Power LED indicates once chain motor power is connected. Different color of LED indicates Up & Down direction. / Belt clip is included.

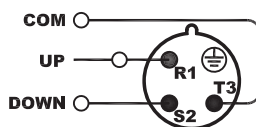
CHP-1 [Turn-lock 20A / 4 pins]

CHP-1 Mini Motor Pickle w / NEMA L14-20 4 pin 20 amp plug.



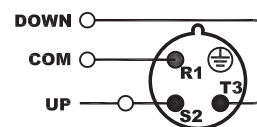
CHP-2 [CEE 16A / 4 pins]

CHP-2 Mini Motor Pickle w / CEE 16-4h 3P+E 16 amp yellow plug.



CHP-2E [CEE 16A / 4 pins]

CHP-2E Mini Motor Pickle w / CEE 16-4h 3P+E 16 amp yellow plug (for Rigpro, CM lodestar, Stagemaker, Prolyte chain hoist).



HOW DOES IT WORK?



Step 1

Once chain hoist power is connected the power LED indicator will on. Let you know the motor is ready to go.



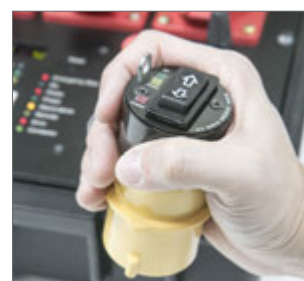
Step 2

Up direction with Green LED indicator to tell correct operation way even in dark.



Step 3

Down direction with Yellow LED indicator to tell correct operation way even in dark.



Application

Lightweight & portable. Up and Down control from a rocker switch.

We provide various cable sets for direct control hoist.
Following tables are showing the connection details of cable wires to their corresponding pin out.



MCA-1604P-5



MCA-1904P-5



MCA-0404C-100 / 200



MCA-0419P-5



MCA-0416P-5

MCA-0404P-100 / 200



Extension Cable	Description	Length
MCA-0404P-100	4C x 2.5 mmsq, with CEE 3P+E (male-female)	10 M
MCA-0404P-200	4C x 2.5 mmsq, with CEE 3P+E (male-female)	20 M
MCA-1919P-100	Soca 19 Pin, 2.5 mmsq (male-female)	10 M
MCA-1919P-200	Soca 19 Pin, 2.5 mmsq (male-female)	20 M
MCA-1616P-100	Harting 16 Pin, 2.5 mmsq (male-female)	10 M
MCA-1616P-200	Harting 16 Pin, 2.5 mmsq (male-female)	20 M
MCA-0404C-100	4C x 2.5 mmsq, w/ yellow CEE 3P+E for control (male-female)	10 M
MCA-0404C-200	4C x 2.5 mmsq, w/ yellow CEE 3P+E for control (male-female)	20 M

MCA-1919P-100 / 200



Break-Out	Description	Length
MCA-1604P-5	4-channels, 4C x 2.5mmsq per channel Harting 16Pin male to 4pcs CEE 3P+E female.	0.5 M
MCA-1904P-5	4-channels, 4C x 2.5mmsq per channel Soca 19Pin male to 4pcs CEE 3P+E female.	0.5 M

MCA-1616P-100 / 200



Break-Out	Description	Length
MCA-0416P-5	4-channels, 4C x 2.5 mmsq per channel 4pcs CEE 3P+E male to Harting 16 Pin female.	0.5 M
MCA-0419P-5	4-channels, 4C x 2.5 mmsq per channel 4pcs CEE 3P+E male to Soca 19 Pin female.	0.5 M

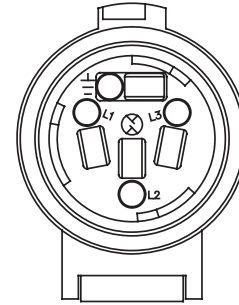


Multi Cable Connections- Pin Out

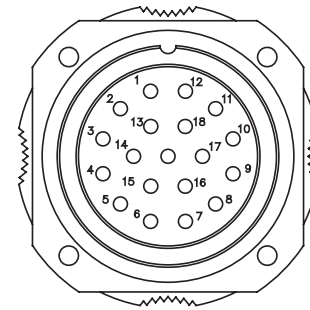
Motor 4channels Break-out Soca 19 Pin

Wire	Color	CEE Pin	Soca 19 Pin
L1	Red	1	1
L2	White	2	2
L3	Black	3	3
GND	Yellow/Green	PE	13
L1	Red	1	4
L2	White	2	5
L3	Black	3	6
GND	Yellow/Green	PE	14
L1	Red	1	7
L2	White	2	8
L3	Black	3	9
GND	Yellow/Green	PE	15
L1	Red	1	10
L2	White	2	11
L3	Black	3	12
GND	Yellow/Green	PE	16
			17
			18
			19

Motor Power Connector Red 415V 16A 4Pin CEE Female



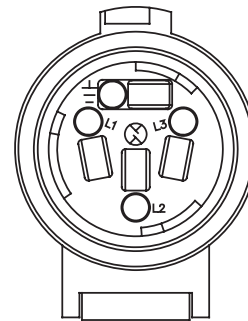
Male Line Soca 19 Pin



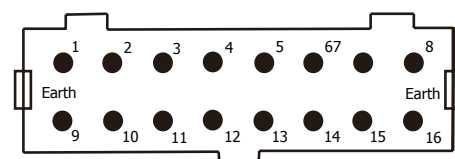
MOTOR 4CHANNELS BREAK-OUT MULTI 16 PIN

Wire	Color	CEE Pin	Soca 19 Pin
L1	Red	1	1
L2	White	2	2
L3	Black	3	3
GND	Yellow/Green	PE	4
L1	Red	1	5
L2	White	2	6
L3	Black	3	7
GND	Yellow/Green	PE	8
L1	Red	1	9
L2	White	2	10
L3	Black	3	11
GND	Yellow/Green	PE	12
L1	Red	1	13
L2	White	2	14
L3	Black	3	15
GND	Yellow/Green	PE	16 + PE

Motor Power Connector Red 415V 16A 4 Pin CEE Female



Male Line Multi 16 Pin





RigPro adjustable beam clamps provide a temporary or permanent mount to a wide range of beams, pipes and bars, where round, square rectangular in section. These units are designed to provide quick and versatile rigging point for hoisting equipment, pulley blocks or loads. Quick and simple installation is achieved easily by hand without tools. Units accommodate hook-mounted hoist or load blocks just with minimal loss of headroom. The clamp jaws are made to diminish beam stress by applying the load inside of the flange edge.



Special clamp design distributes weight away from flange edges.



Built suspension bar offers low headroom.



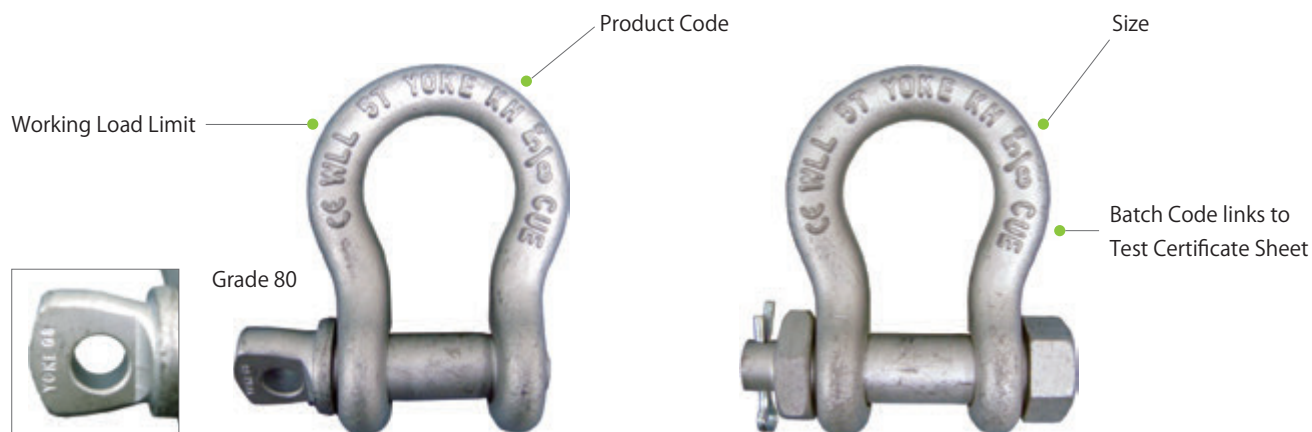
Adjustable threaded mechanism fits a wide range of beam size.

Features

- 1. Capacity: Rated loads from 1-3 ton in safety factor 4:1 for vertical lifting.
- 2. Adjustable threaded mechanism fits securely on a wide range of flange widths and beam sizes.
- 3. Built-in suspension bar offers low headroom.
- 4. Easy installed and adjusted by hand, no tools required.
- 5. Tested at 150% of rated load prior to shipment.
- 6. Black finish for blending into stage surrounding.
- 7. Heavy duty construction allows safer and secure grip in the beam.
- 8. Each unit is serialized, supplied with a test certificate and manual.
- 9. GS and CE certified.

Product Code	Description	WLL Capacity	Adjustable Width
RBC-1BK	Beam Clamp	1,000 kgs	75 - 220 mm
RBC-2BK	Beam Clamp	2,000 kgs	75 - 220 mm
RBC-3BK	Beam Clamp	3,000 kgs	80 - 230 mm

Anchor (Omega) Shackle



Forged Anchor Shackle, Carbon Steel

- Shackles are Type Approved by DNV & ABS.
- Shackles are forged carbon steel with alloy pin, Dacormet Finish.
- Size and Working Load Limit permanently shown on each schackle.
- All shackles with Batch Code which links to Test Certificate and quality traceability.
- 100% magnaflux crack detection during manufacturing.
- 20,000 cycle fatigue rated to 1.5 times Working Load Limit.
- Meet the performance requirements of Federal Specification RR-C-271D, Type 4A, Grade A, Class 3.
- Minimum Ultimate Load is 6 times the Working Load Limit.

Forged Alloy Anchor Shackle

- Shackles are Type Approved by DNV & ABS.
- Shackles are forged alloy steel with alloy pin, Dacromet Finish.
- Size and Working Load Limit permanently shown on each shackle.
- All shackles with Batch Code which links to Test Certificate and quality traceability.
- 100% magnaflux crack detection during manufacturing.
- 20,000 cycle fatigue rated to 1.5 times Working Load Limit.
- Meet the performance requirements of Federal Specification RR-C-271D, Type 4A, Grade B, Class 3.
- Minimum Ultimate Load is 5.4 times the Working Load Limit.



Product Code	Description
SS-S3250	5 / 8" screw pin type, carbon steel, WLL 3 1/4 tones.
SS-N3250	5 / 8" bolt and nut safety type, carbon steel, WLL 3 1/4 tones.
SS-S5000	5 / 8" screw pin type, alloy steel, WLL 5 tones.
SS-N5000	5 / 8" bolt and nut safety type, alloy steel, WLL 5 tones.

Warning

1. Don't exceed the shackle capacity. Shackle capacity decrease subject to the angle of loading.
2. When two slings are used on a shackle, the load rating is based on the load regardless of the inclined angle as long as it is less than 120 degree.

Angle of Loading	Reduction to Working Load Limit
45 degree	30 % reduction
90 degree	50 % reduction



Polyester Round Sling w/Steel Wire Core

Polyester round sling but steel wire rope inside. This sling is composed of dia. 1.5mm steel wire in 34 loops, making it most flexible with superior strength. Inspection window covered by lid provides convenient access to check the wire rope. Identification labels are included under this lid. Heat resistance up to 150° C. Load capacity 2,000kgs with safety factor 5, whereas it turns to be load capacity 1,000kgs according to BGV-C1 with safety factor 10. Minimum bending radius R=6mm.



Inspection window for checking the steel wire easily.



Identification labels clearly reveal the specification of this sling.



RS-S102



Steel Round Sling, 1M length, Load Capacity 2,000 kgs.

RS-S202



Steel Round Sling, 2M length, Load Capacity 2,000 kgs.

RS-S302



Steel Round Sling, 3M length, Load Capacity 2,000 kgs.

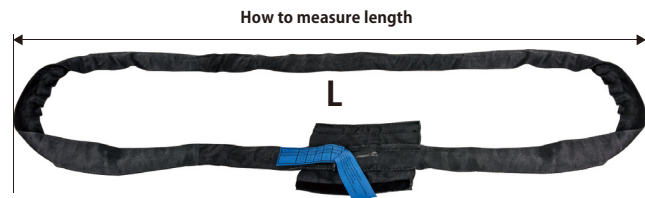
RS-S502



Steel Round Sling, 5M length, Load Capacity 2,000 kgs.

Working Length Required

As defined by arrows meaning circumference of complete sling when laid flat, so called “pull to pull” length.



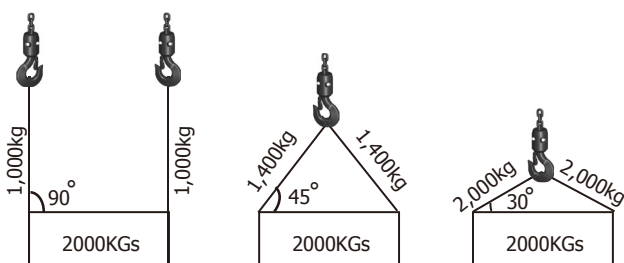
Sling Angle

When slings are used in a basket hitch and suspended from one hook, sling angles will directly affect the rated capacity of any sling. Sling capacity decreases as the angle from horizontal decreases.

Working Load Required

Subject to heaviest loads, lifting conditions, and angles.

Capacity	Black / Color	Vertical	Choke	Basket	Basket 45°	Basket 30°
2000kg	Black	M : 1.0 2000kg	M : 0.8 1600kg	M : 2.0 4000kg	M : 1.4 2800kg	M : 1.0 2000kg



Warning

Never exceed working load limit of the sling. Sling capacity decrease as the angle from horizontal decreases. Sling should not be used at angle of less than 30°.

Sling Angle in Degrees	Factor
15	0.259
20	0.342
25	0.423
30	0.500
35	0.574
40	0.643
45	0.707
50	0.766
55	0.819
60	0.866
65	0.906
70	0.940
75	0.966
80	0.985
85	0.996
90	1.000



Polyester Black Stage Slings

RigPro polyester black stage sling is made according to ISO4878 DIN EN 1492-2, meets CE & GS safety regulation. It is an endless synthetic sling made from a skein of Nylon core yarn covered by an independent, woven polyester tubular jacket. These lightweight round slings are ideal for easy and inconspicuous suspension of stage sound and lighting equipment. Black sleeve material helps sling blend into its surroundings.



Polyester cover with Nylon fiber core



Visible two black lines stands for load capacity of 2,000kgs.



Identification label clearly reveals the specification of this sling.

Features

- Lightweight reduces fatigue and strain on riggers.
- Capacity stripes; each stripe is equal to 1 ton capacity.
- Synthetic materials leaves hands free from cut injury.
- Consistent matched lengths for better multiples sling load control.
- No loss of strength from abrasion to cover.
- Conforms to shape of load to grip securely.
- Soft cover keeps load surface from scratch.
- Low stretch (about 3% at rated capacity).
- Conforms to shape of load for less load damage.
- Lightweight and pliable for easy rigging and storage.
- Independent core yarns choke tightly, but release easily after use.
- Sling lifespan can be extended by rotating bearing points.
- Each stage sling comes with an identification tag and serial number for traceability.
- Easy to carry and transportation.
- Working temperature: -40 °C to +100 °C .
- Each stage sling is packed in plastic bag with CE declaration of conformity or test certificate.
- Safety factor: 7 : 1
- CE certified.

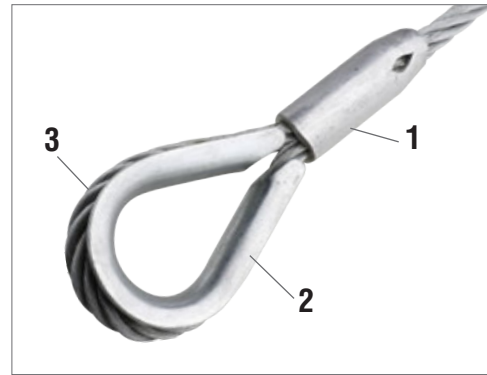


Product Code	Description	WLL Capacity
RS-005	5 chained round sling 0.5M length	2,000 kgs
RS-052	Black stage sling 0.5M length	2,000 kgs
RS-102	Black stage sling 1M length	2,000 kgs
RS-202	Black stage sling 2M length	2,000 kgs
RS-302	Black stage sling 3M length	2,000 kgs
RS-402	Black stage sling 4M length	2,000 kgs
RS-502	Black stage sling 5M length	2,000 kgs



Steel wire rope sling

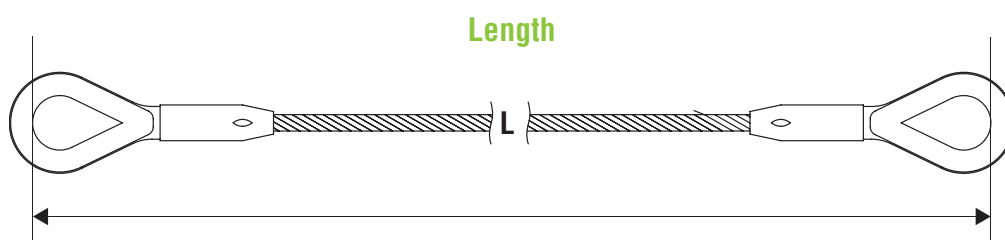
This range of steel wire rope sling is manufactured according to EN 13414, the directive for steel wire rope slings in Europe. The single-leg steel wire rope sling are made of galvanized wire rope grade 1960 (rope class 6 x 19) to meet the permissible secondary safety component for entertainment rigging. Thimble at each end and ferrule-secured eye terminated. The inspection hole on ferrule guarantees the control of correct inserted length of wire rope before and after swaging, and comply with EN 13411 conical type C ferrule-secured termination.



- (1) EN 13411-3 Type C cylindrical conical ferrule.
- (2) EN 12385-4 Galvanized steel rope grade 1960.
- (3) EN 13411-1 Thimble.

Features

- Comply with EN 13414-1, EN 12385-4, and EN 13411-1/-3.
- Galvanized wire rope resists corrosion.
- Ferrule inspection hole for convenient visual inspection.
- Low dead weight but high working load capacity.



Product Code	Description	Load Capacity
RSR-71901	Dia. 10mm steel wire rope sling, Length 1M	1000kgs
RSR-71902	Dia. 10mm steel wire rope sling, Length 2M	1000kgs
RSR-71903	Dia. 10mm steel wire rope sling, Length 3M	1000kgs
RSR-71910	Dia. 10mm steel wire rope sling, Length 10M	1000kgs
RSR-72001	Dia. 14mm steel wire rope sling, Length 1M	2000kgs
RSR-72002	Dia. 14mm steel wire rope sling, Length 2M	2000kgs
RSR-72003	Dia. 14mm steel wire rope sling, Length 3M	2000kgs



Ratchet Strap

Ratchet Strap, also known as tie-down strap or ratchet lashing, is used to fasten equipment or cargo during transporting. Ratchet strap webbing is outfitted with tie-down hardware allowing strap to loop over the protected equipment or cargo and tighten up.



RS-RS2525

· Ratchet strap 25mm x 2.5M, black

To Tie-Down:

Step-1: Pull latch toward handle to disengage the lock; insert slack webbing through buckle.

Step-2: Pull latch to engage the tensioning area; release latch and rotate handle back and forth till strap is as tight as necessary.

Step-3: Pull latch and close handle to fully engage lock.

CAUTION: DO NOT OVER TIGHTEN.

To Release:

Step-1: Pull latch to release the lock; move handle back and forth one notch at a time to release tension gradually.

Step-2: When tension is released, pull latch and fully open buckle to allow webbing to unroll freely.

Features & Advantage

- Gradual release ratchet gives a quick tension of strap.
- Positive locking latch for secure the tension.
- Spring-loaded quick release function for easy strap removal.
- Black webbing color for entertainment standard.

Specification

- Webbing Material: Abrasion Resistant Polyester
- Ratchet Material: Metal
- Strap size: 25mm x 2.5M
- Strap color: black
- Load capacity: 1000kgs (not for lifting)
- Safety factor 2:1
- Compliance: BS EN 12195-2

Retractable Ratchet Strap

A breakthrough for making use of ratchet strap easier! This tie-down strap is equipped with patent buckle which offers the greatest way to retract the loose strap quickly after releasing the tension. The spring-loaded reel, functioning like tap measure, provide the effortless operation. Simply pull off the webbing strap you need, attach the hook, and ratchet the strap tight. Release at 180 degree open position. To recoil webbing back to the reel, simply pull back the rewind pin and it will automatically retract the webbing. Easy and handy.



RS-RRS2545

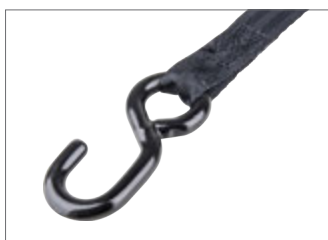
· Retractable Ratchet strap 25mm x 4.5M, black

Features & Advantage

- Ergonomic Vinyl-coated handle for easy grip.
- With heat treated Vinyl Coated "S" hook.
- Patented buckle with rewind pin for quick retract and recoil webbing.
- Gradual release ratchet gives a quick tension of strap.
- Positive locking latch for secure the tension.
- Black webbing color for entertainment standard.

Specification

- Webbing Material: Abrasion Resistant Polyester
- Patent Ratchet Material: Metal
- Strap size: 25mm x 4.5M
- Strap color: black
- Load capacity: 680kgs (not for lifting)
- Compliance: BS EN 12195-2





Double Braided Rope

RigPro rigging rope is constructed with a braided nylon core and polyester cover. The combination of the 2 materials in a rope has better performance on strength, controlled stretch and abrasion resistant. The inner rope and outer rope are generally designed to share the load fairly evenly. The inner rope is a braided core of energy absorbing nylon. The core is fully heat treated to enhance the rope's flexibility and prevent hardening in service. The 32 plait cover is soft yet durable and with the appearance of cotton but will not rot or degrade. Black cover is added prior to yarn production which makes color lasting longer and enhanced wear resistance.



Polyester cover Nylon core



200m Per Roll



Macufacturing



Testing

Features and Benefits

- Polyester / Nylon construction- (Polyester cover/ Nylon core) provide a greater range of chemical resistance . than the traditional Nylon / Nylon construction.
- Strength- Exceptional tensile strength. For 7/16" (11mm) minimum breaking strength 3,000 kgs.
- Braided Core- The core bends more easily with less fatiguing. This makes for better knot ability, better control through mechanical ascent / descent devices. Also, in the event of a cover failure, the rope core will remain intact, allowing the user to ascend/ descend over the core to get back to a stable portion of the rope.
- Water Resistant- Having a polyester cover sheds water far more readily than a traditional nylon/ nylon construction. Also, the drying time of the rope is dramatically reduced due to the polyester being non hydroscopic. An additional benefit is that there is no discernible strength reduction to the rope when wet. With full nylon/ nylon ropes up to 20% strength reduction can be expected when the rope is wet.
- Longevity- The outer polyester cover providing a good characteristic for U.V. resistance. Due to its unique construction the rope will not work harden during standard use and will retain a consistent diameter throughout its life ensuring longer service than others.

Product Code	Description
RR-11B	Dia. 7/16" (11mm), 200M Per roll.

NORE: The ropes have no energy absorption and must never be used to hold a falling person or load.



Figure Eight Knot

Figure Eight Knot (Flemish Knot) is a quick and convenient stopper knot which can be undone fairly easily, and does not harm your rope as much as the overhand knot does. How to make the Figure Eight Knot?

1. Make a bight in a rope.
2. Loop the other side through the bight.
3. Loop the loop x 2.
4. Pull.



Wire winch

PL-200 is a single phase wire winch, rated for load capacity 200kgs. Compact and lightweight design turns it perfect mobility on the move. Single-phased motor makes the operation quick, simple and easy as it can plug up in anywhere the AC power is on hand. It is fabricated with dia.5mm stainless steel wire rope in 30M lengths with lifting speed 23M/min, rather ideal for those small-to-medium scales of venues or time-consuming rigging application with less heavy load. With its light-duty and portability, PL-200 can be the great rigging solution to the need.

Supplied with two handcuff couplers for ready to rig on 2" tube.

Heavy duty chassis for maximum durability.

Finished in matt black powder coating for less visibility.



Dual braking system combines dynamic and mechanical braking, provides instant and safe braking.

Precision machined gears heat treated for strength and durability, the ball or needle bearings at all rotating points run in oil bath lubrication for a quieter,

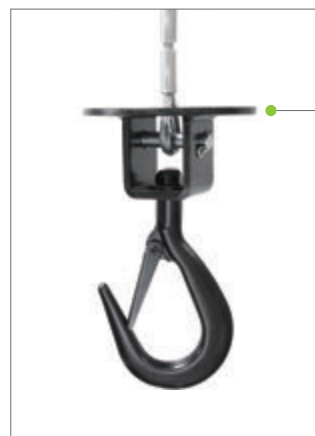
Built up with insulation class F motor for 300 starts per hour; ED 30%.

Features



The lower limit switch is designed in order to prevent wire rope under-wound.

Upper limit switch will be triggered when hook disc touch it; the motor will automatically stop for safety.



360° swivel hook for freely movement; wire terminated with double aluminum sleeves for further security; thimble provides greatest protection to the wire from the wear of contacting latch.



An easy accessible window for brush replacement, covered up for water and dust proof.



Labeling for load capacity 200 kgs on the side panel for clear identification; cable and attached to the holding point to prevent over running.

Specification

Capacity (kg)	Power (Voltage)	Phase	Wire Rope (mm)	Wire Rope Lift (Meter)	Speed (M / min)		Motor (KW)
					50Hz	60Hz	
200	100-120 / 200-240	1	5	28	19		1.2

Demension: 240 (L) x 180 (W) x 660 (H) mm, 15 kgs (N.W), 23 kgs (G.W)



1-CH Wire Winch Controller

Built-up with impact-resistance compound plastic, this hand held direct controller provides handy operation for wire winch. Lockable E-stop button for immediately killing power. Up and down push button controls the travelling direction. 1.7M cables for both input and output, with CEE 2P+E connector (input) and 5 Pin connector (output).

CHC-11-1P Single Phase One Channel Wire Winch Controller.