

EX3

TECHNOLOGY



EX3
RISE



EX3
VARIO



EX3
DRIVE



EX3
CELL



EX3
DST



MARKET OF REFERENCE: entertainment & exhibition;

TYPE OF PRODUCTS: machinery for the safely “manoeuvre/handling” of all kind of scenery elements before, during and after an event;

RANGE OF PRODUCTS: electric chain hoist, motorized trolley, controllers and load cell.





EX3
RISE

EX3
VARIO

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DRIVE

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CELL

EX3
DST



EX3



RISE





EXE RISE - FACTS

- Developed and manufactured in Italy by R.W.M.
- RWM have been manufacturing industrial chain hoists for over 30 years, exporting world wide.
- EXE Rise designed and developed specifically for entertainment market.
- Majority of components designed and produced in house allowing good QC.





EXE RISE - FACTS





EXE RISE - FACTS
























EXE RISE - FACTS

Assembled and tested at the Litec factory.





**SAFE
PRECISE
MADE IN ITALY**

FIXED SPEED	DIRECT CONTROL	Δ DB (SF 8:1)	 DB 250kg/551lbs DC	 DB 500kg/1102lbs DC	 DB 1000kg/2205lbs DC	 DB 2000kg/4409lbs DC	
		\square DB+ (SF 10:1)	 DB+ 150kg/331lbs DC	 DB+ 300kg/661lbs DC	 DB+ 600kg/1323lbs DC	 DB+ 800kg/1764lbs DC	 DB+ 1200kg/2646lbs DC
	LOW VOLTAGE CONTROL	Δ DB (SF 8:1)	 DB 250kg/551lbs LVC	 DB 500kg/1102lbs LVC	 DB 1000kg/2205lbs LVC	 DB 2000kg/4409lbs LVC	
		\square DB+ (SF 10:1)	 DB+ 150kg/331lbs LVC	 DB+ 300kg/661lbs LVC	 DB+ 600kg/1323lbs LVC	 DB+ 800kg/1764lbs LVC	 DB+ 1200kg/2646lbs LVC
	SINGLE PHASE		 SINGLE PHASE 250kg				

**EX3
RISE**





MAIN FEATURES

- ➔ **Model:** D8 or D8+
- ➔ **Type:** Direct Control or Low Voltage Control
- ➔ **Load Capacity:** 250kg / 551lbs up to 2000kg / 4409lbs (D8 model)
150kg / 331lbs up to 1200kg / 2646lbs (D8+ model)
- ➔ **Fixed Speed:** 4m/min / 16 ft/min
8m/min / 32 ft/min
- ➔ **Safety Factor:** 8:1 (D8 model)
10:1 (D8+ model)
- ➔ **Operating Voltage:** Δ/Y 230/400VAC - 3 - 50Hz (Three phases EU)
Δ 230/400VAC - 1 - 50Hz (Single phases EU)
Δ 208VAC - 3 - 60Hz (Three phases US)
- ➔ **Climbing mode:** Self Climbing or standard suspension
- ➔ **Customization:** Limit Switches (with exclusion of 250kg D8 and 150kg D8+), Encoders and Load cells



**MODEL
3-PHASES**



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SMALL FRAME

MEDIUM FRAME

LARGE FRAME

LARGE FRAME

250 kg
△ DB DOUBLE BRAKE

150 kg
□ DB+ DOUBLE BRAKE

500 kg
△ DB DOUBLE BRAKE

300 kg
□ DB+ DOUBLE BRAKE

1000 kg
△ DB DOUBLE BRAKE

600 kg
□ DB+ DOUBLE BRAKE

800 kg
□ DB+ DOUBLE BRAKE

2000 kg
△ DB DOUBLE BRAKE

1200 kg
□ DB+ DOUBLE BRAKE



**MODEL
3-PHASES**



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SMALL FRAME

250 kg
△ D8 DOUBLE BRAKE

150 kg
□ D8+ DOUBLE BRAKE



MEDIUM FRAME

500 kg
△ D8 DOUBLE BRAKE

300 kg
□ D8+ DOUBLE BRAKE



LARGE FRAME

1000 kg
△ D8 DOUBLE BRAKE

600 kg
□ D8+ DOUBLE BRAKE

800 kg
□ D8+ DOUBLE BRAKE



LARGE FRAME

2000 kg
△ D8 DOUBLE BRAKE

1200 kg
□ D8+ DOUBLE BRAKE



**MODEL
1-PHASE**



MEDIUM FRAME

250 kg
SINGLE PHASE

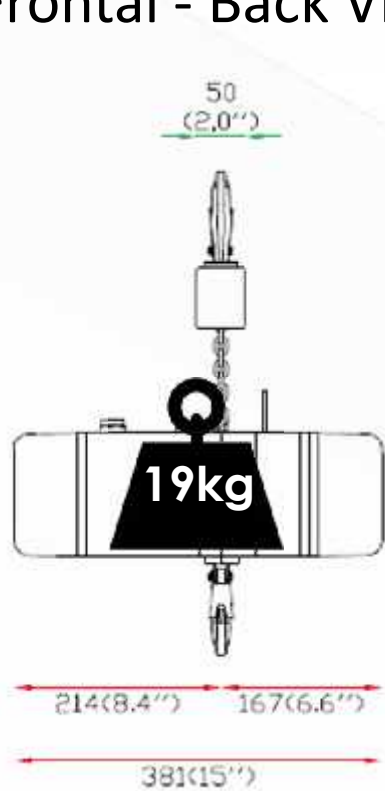
Single phase EXE-Rise chain hoist designed around our medium size body, with a WLL of 250kg. Ideal for many locations where 3 phase power might not be available.



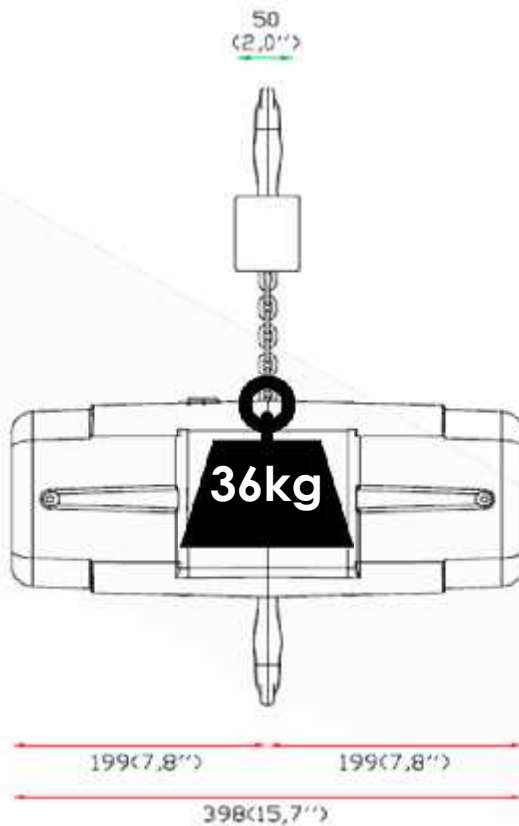
EXTERNAL DIMENSIONS

Frontal - Back View

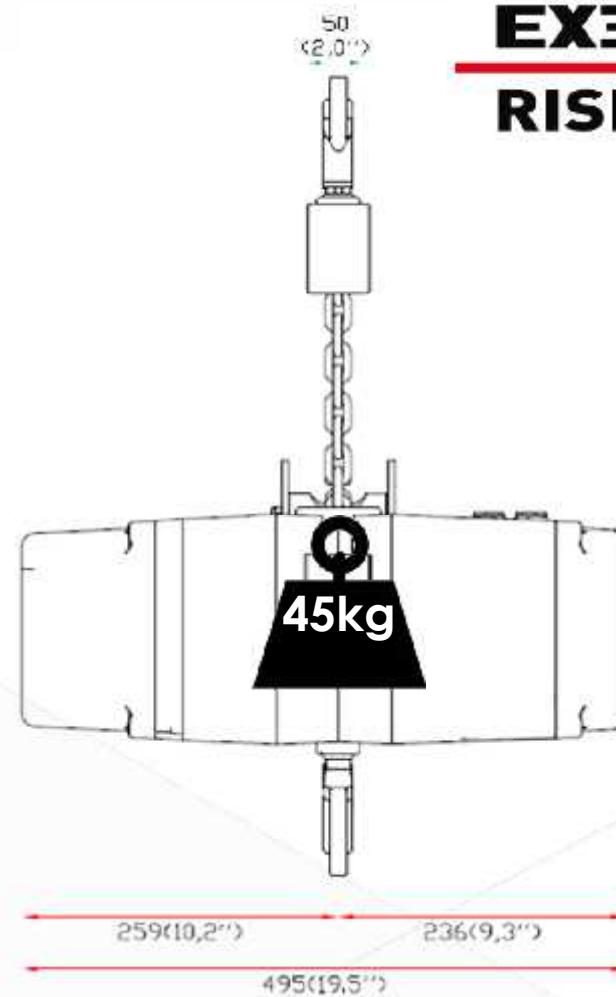
EXE
RISE



SMALL FRAME



MEDIUM FRAME

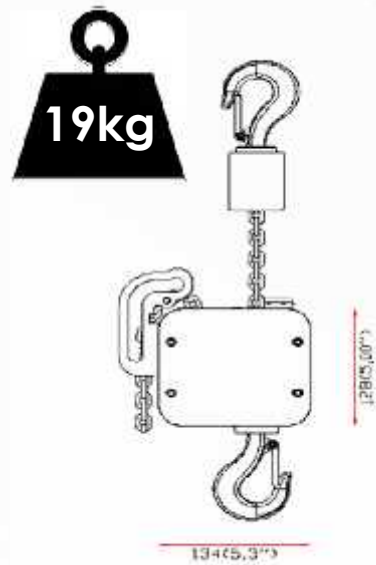


LARGE FRAME

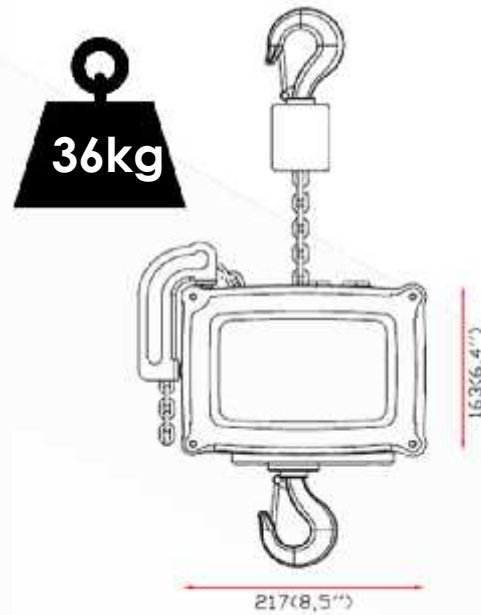
EXTERNAL DIMENSIONS



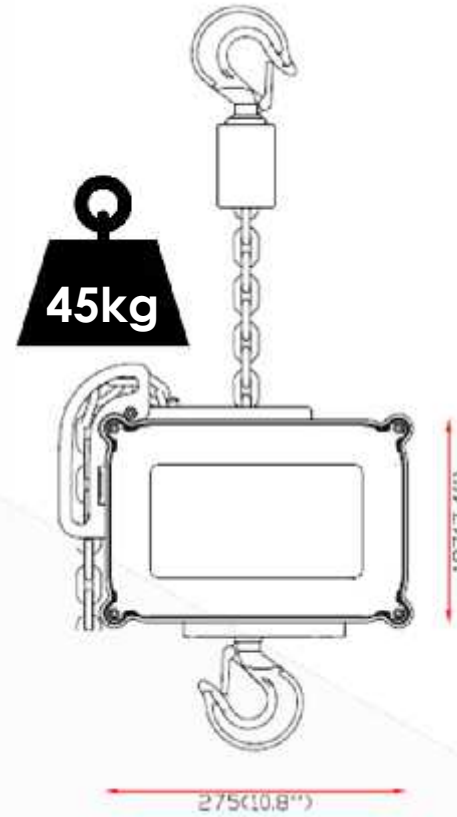
Lateral View



SMALL FRAME



MEDIUM FRAME



LARGE FRAME





CLIMBING OR STANDARD SUSPENSION WITH SWIVEL HOOK

Hang it any way you want. It will still work as should saving you time.



EX3
RISE

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BODY

made in cast aluminium to be as light, yet as strong as possible. The matt black finish is corrosion resistant and non reflective.



EX3 **RISE**

F E A T U R E S



CHAIN BAG BRACKET

allows the hoist to be used motor up or down. The design ensures the bag is positioned correctly to accept chain without the need for any adjustment, reducing the chance of chain spills.





**INTERNAL
CHAIN GUIDE**
Medium Body



**EXTERNAL
CHAIN GUIDE**

made from a special PVC is used to minimise the chance of chain jamming should the chain become twisted. This sacrificial plate helps protect both the chain and internal chain guides. (Small body hoists use steel guide plate).

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IRON AND ASBESTOS FREE BRAKE shoes and stainless steel brake discs will not rust in the presence of moisture, preventing brake assemblies from seizing.

DOUBLE BRAKE

The brakes are supplied as complete units which allows for trouble free use and quick and easy inspection. The DC (105 Volts) brakes lock off, in 0.1 of a second and is able to sustain up to 4000 lock/unlock cycles in an hour. This “progressive time lock off” action is less wearing to their inner components than a AC one.

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DOUBLE BRAKE



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PLUG AND SOCKET

Supplied with 16amp Cee Form connectors with IP 67 rating. This is to maintain the overall IP55 rating of the hoist.



IP RATE 55

Hoist casing is designed to minimize water ingress with machine finished surfaces and inset rubber seal and external bolt fixings.

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GEAR BOX / LUBRIFICATION

Gear box is lubricated with a high pressure bearing grease fortified with molybdenum disulphide. Reduces friction and surface wear and ensures smooth running



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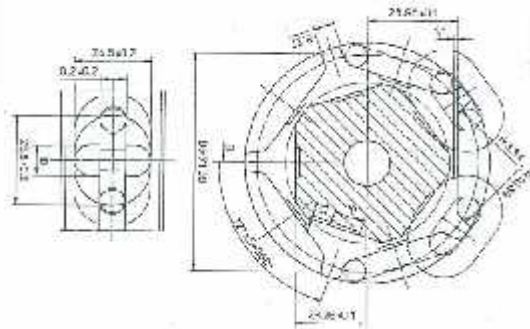
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LOAD WHEEL

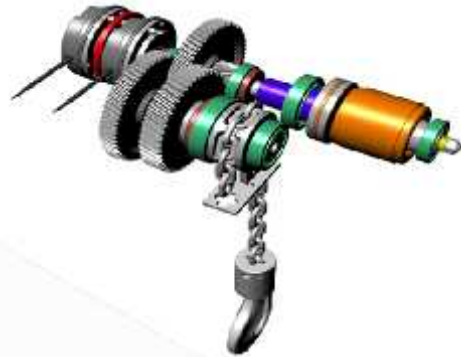
load wheels 5 pockets, we have adopted this solution to be aligned to the European standards of the machine directive. The purpose of it is to keep the same speed of 4/m even in presence of different size of chain hoist, less noise and increase of wear resistance



EXE
RISE

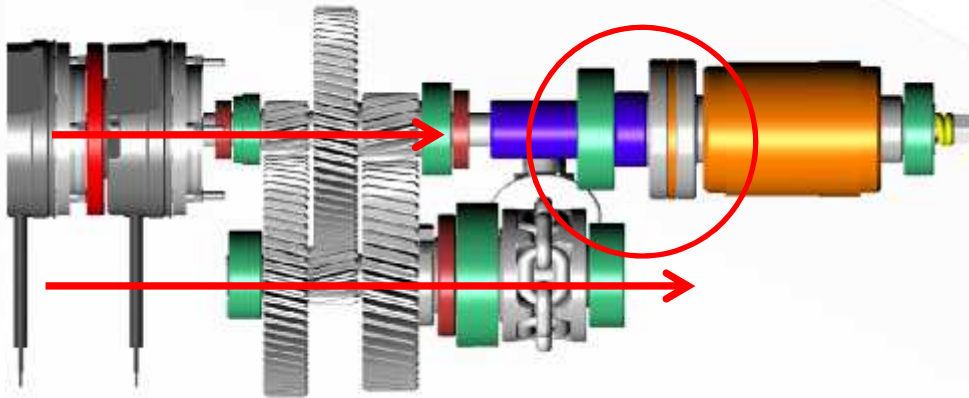
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CLUTCH OUTSIDE

the line of kinetic movement, positioned on the motor shaft that allow the clutch system to be outside the load path, preventing fast load drop in case of clutch system failure



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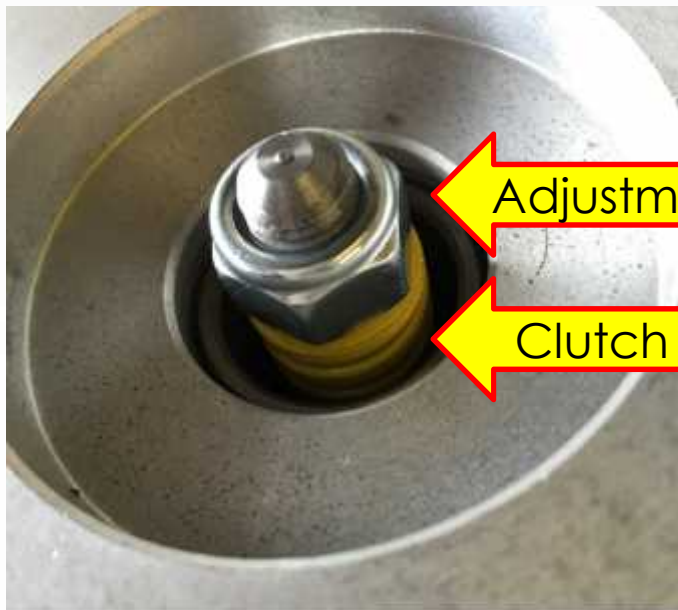
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CLUTCH

Slipping clutch is factory set to 125% of the rated load. Once set, clutch is sealed using a coloured wax. Damaged or removed wax indicates clutch has been tampered with. Clutch should only be adjusted by authorised and trained personnel.



Adjustment nut

Clutch spring



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HOOK

- EXE Rise are fitted with swivel hooks on both the chain and the body. This reduces risk of chain twist and allows easy hoist positioning
- Hoists use forged carbon steel or alloy steel hooks, heat treated in accordance with machinery directive and painted black
- Latch lock hooks available as special order



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HOOK

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CHAIN HOOK



BODY HOOK

- Body hook is an assembly of the hook with a steel plate that fixes via two 20mm bolts that fix into two threaded lugs.
- Easy to replace.
- Lugs mean no fixing direct into casing.





NOISE LEVEL

Very low operational noise, with just 67.5 dBA the EXE is about 30% more silent than other leading brand. Now you can do take the quiet jobs.



QUICK LINK

Carabiners connect the chain bag and chain end to the bracket. They were designed according to BGV specification with a 10:1 safety factor. They are compact and galvanized. In compliance with the DIN standard they bear a stamp of the load capacity.

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CHAIN

- EXE Rise uses chain conforming to EN818-7. This Includes 3 types of chain;
- Type T. Quenched and tempered, through hardened, low/medium wear resistance for Manual Hoists;
- Type DAT. Case hardened, high wear resistance for Electric Hoists;
- Type DT. Case hardened, high wear resistance for Electric Hoists. (deeper hardening than DAT)

**EXE RISE USES TYPE DAT,
MANUFACTURED BY RUD GERMANY**





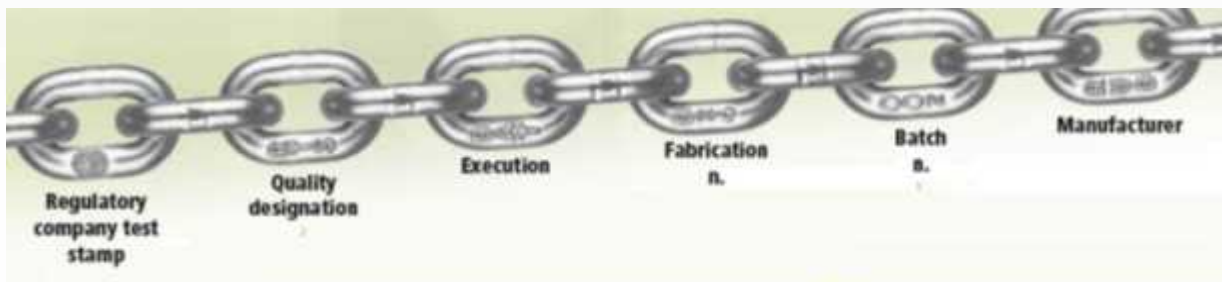
CHAIN

Case hardened chain has a uniform surface hardness and depth, giving a high resistance to wear resulting in a long service life if properly lubricated and maintained

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You can identify the type and origin of the chain through the following identifying marks.



CHAIN INSPECTION

- Chain must be visually inspected at regular intervals, frequency dependent on usage. If any damage is detected, a competent person must be consulted.
- Good practice to inspect chain each time it is lubricated.
- During inspection the chain should be examined along its entire length.
- Each individual link should be checked, including hidden parts.
- Particular care should be taken to where links touch as this area is susceptible to wear.
- Together with the chain, hooks, guides, lift wheel and fastening parts should also be inspected.



CHAIN INSPECTION

Know the appearance and feel of a new chain. This will help recognise damage on used chain. Every link should be checked for:

- Inter link wear
- Nicks and gouges
- Bent or broken links
- Twisted links
- Stretching
- Corrosion
- Heat damage
- Chemical damage

If in doubt, remove the chain from service.



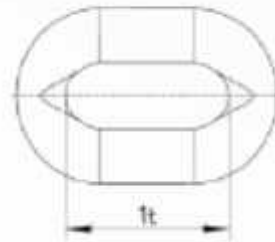
CHAIN INSPECTION

Measurement and tolerances – single link

Chain should be replaced if a single link is permanently lengthened, or the inner pitch t of an individual link has increased in size by more than 5% as a result of wear.

See RUD Hoist Chain acc. DIN EN 818 part 7

- An increase in the chain pitch $1t$ of more than 5% of the original pitch

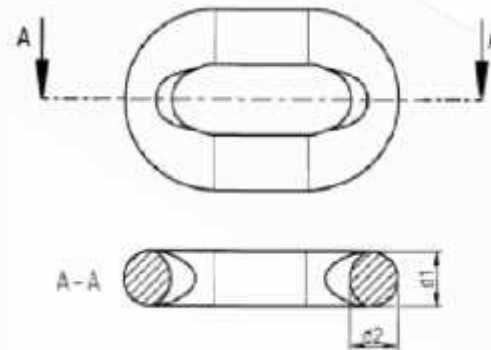


CHAIN INSPECTION

Measurement and tolerances – single link

Reduction of the averaged wire diameter at any point on the chain link of more than 10% of the nominal thickness.

Averaged wire diameter $d_m = (d_1 + d_2) / 2 \leq 0.9 d$, in which the averaged wire diameter d_m is calculated from two individual measurements, d_1 and d_2 , made at an angle of 90° to each other. (average of measurements taken at an angle of 90 degrees to each other)





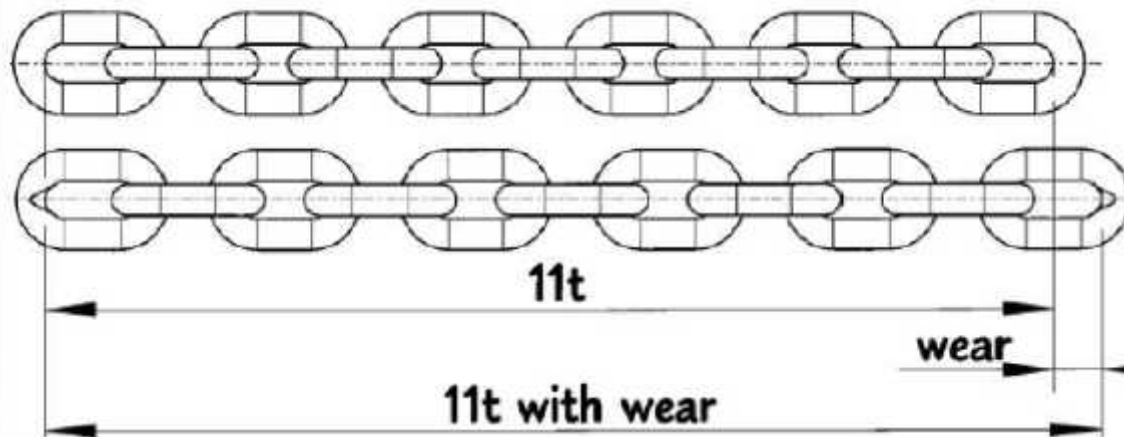
CHAIN INSPECTION

Measurement and tolerances – 11 link + 2 Diameter

Chain should be replaced if an increase in the chain pitch $11t$, as a result of wear of more than 2%.

Take measurement of chain when hanging with light load suspended.

See RUD Hoist Chain acc. DIN EN 818 part 7



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CHAIN INSPECTION

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**BENT & TWISTED
LINKS**



**STRETCHED
LINKS**



**INNER LINK
WEAR**



**HEAT DAMAGE
& NICKS AND
GOUGES**

EX3
ELECTRONICS



CHAIN INSPECTION



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CHAIN INSPECTION

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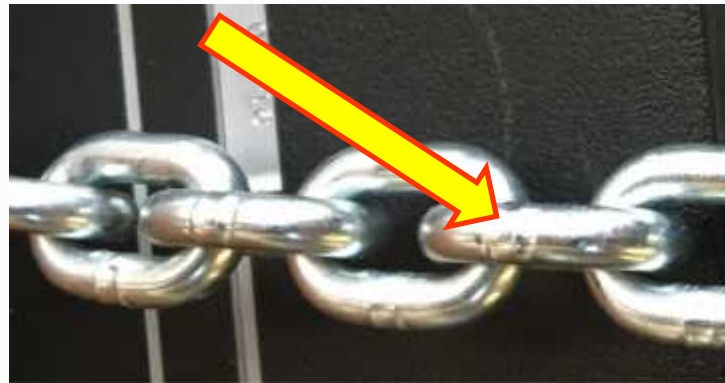


CHAIN INSPECTION

It is important to keep the hoist chain well lubricated. Regular lubrication enables 15-20 higher number of cycles compared to dry chain

We recommend to lubricate the chain along its entire length before putting into operation

When lubricating the chain ensure that the lubricant penetrates into the area of the links that are subject to wear.



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CHAIN STOP

consists of two metal blocks and is fixed to the end of the load chain, in the default condition at 11 links from the end. The chain stop prevents the chain from being run through the hoist should its length be overrun.

ROTATING HANDLE

Rotating handles: compliant with the regulation in force, they allow for comfortable use. The regulation states that the handles should make access to the hoist easy in any position. Only this type of handles allows it.



LOW VOLTAGE CONTROL



REVERSING
CONTACTOR

LIMIT SWITCH

FUSES

BRAKE SIDE

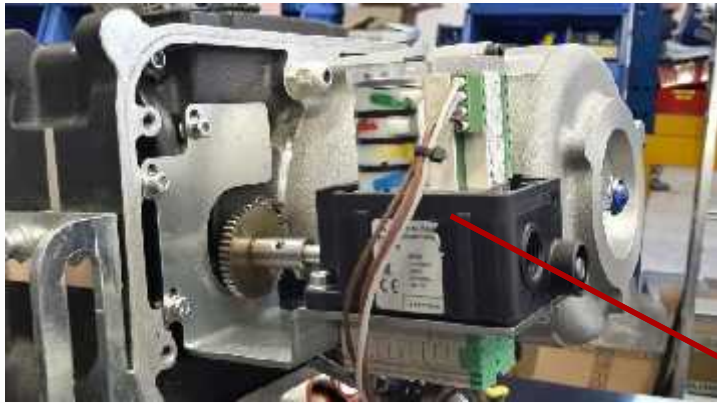
MOTOR SIDE



TRASFORMER

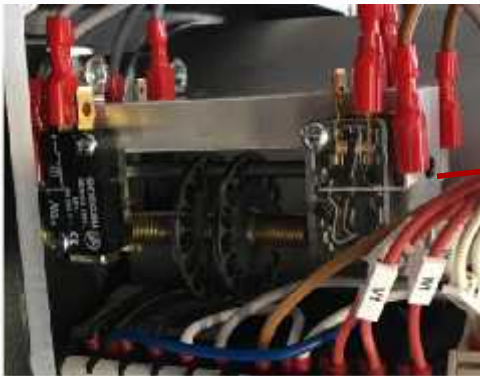


LOW VOLTAGE CONTROL



RECTIFIER

DOUBLE BRAKES



LIMIT SWITCH



EXE-RISE IDENTIFICATION



All Exe Rise hoists are uniquely identified by a serial number stamped into the gear box housing. There is also an ID plate on the side of the hoist.

The Serial number format starts DC and is followed by 6 numbers.

The month and year of manufacturer is also hard stamped into the body after the serial number eg. 10/15.



EXE
RISE www.exetechnology.com **CE**

Model: EXE Rise 500 kg D8 LVC
Working Load Limit (WLL): 500 kg / 1102 lbs
Working speed: 4 m/min / 13 ft/min @ 50Hz
Motor power: 0.8 kW
Power supply Δ / Y: 230/400 VAC - 3 - 50Hz
Control supply: 24 VAC
Year of construction: 2016 2017 2018
IP Rating code: 55
FEM class: 2m (Safety Factor 8:1)
Chain size: 6x18 mm EN 818-7
Serial number: **D8** **SF 8:1 DOUBLE BRAKE**

WARNING!!! Before opening or maintaining a hoist, turn the power supply off. Keep the chain properly lubricated. Do not lift people. Do not lift load over people. Do not lift more than WLL. Failure to comply may lead to serious injury or death.

RWM S.R.L. Via Bartolomeo Colleoni 80/7 38034 Male (VI), Italy



DATA SHEET 3-PHASE

MODEL D8 DC / LVC	D8 250kg	D8 500kg	D8 1000kg	D8 2000kg
Hoist Specifications:	Hoist Specifications:	Hoist Specifications:	Hoist Specifications:	Hoist Specifications:
Working Load Limit (WLL)	250kg / 551lbs	500kg / 1102lbs	1000kg / 2205lbs	2000kg / 4409lbs
Lifting Speed @50Hz	4m/min / 13ft/min	4 m/min / 13ft/min	4m/min / 13ft/min	4 m/min / 13ft/min
Motor Power	0.8 KW	0.8 kW	1.0 kW	1.6 kW
Operating Voltage Δ / Y	220/400VAC - 3 - 50 Hz	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz
3 ph Δ 230 VAC Y 400 VAC	Δ 2.70A - Y 1.58A	Δ 3.23 A - Y 2.27 A	Δ 4.02 A - Y 2.07 A	Δ 5.97 A - Y 4.83 A
Falls of Chain	1	1	1	2
Load Wheel	5 pockets	5 pockets	5 pockets	5 pockets
Protection Class	IP66 DIN 40000	IP66 DIN 40000	IP66 DIN 40000	IP66 DIN 40000
IPM Classification	2m	2m	2m	2m
Duty Factor of Motor	40%	40%	40%	40%
Starts Per Hour	270	270	270	270
Connection Cable Length	1m	1m	1m	1m
Δ Power Supply Connector (H)	CEE 16A 0h 230VAC 3PH + G plug	CEE 16A 0h 230VAC 3PH + G plug	CEE 16A 0h 230VAC 3PH + G plug	CEE 16A 0h 230VAC 3PH + G plug
Y Power Supply Connector	CEE 16A 0h 400VAC 3PH + G plug	CEE 16A 0h 400VAC 3PH + G plug	CEE 16A 0h 400VAC 3PH + G plug	CEE 16A 0h 400VAC 3PH + G plug
Control Supply Connector (only LVC)	CEE 16A 1h 24VAC 3PH + G socket	CEE 16A 1h 24VAC 3PH + G socket	CEE 16A 1h 24VAC 3PH + G socket	CEE 16A 1h 24VAC 3PH + G socket
Noise Level	67.5 dB (a) full load	67.5 dB (a) full load	67.5 dB (a) full load	67.5 dB (a) full load
DC Brake System	Y	Y	Y	Y
DC Brake Size	00	06	08	10
DC Brake Power	20W	20W	20W	30W
DC Brake Operating Voltage	105VDC	105VDC	105VDC	105VDC
DC Brake Rated Torque	1Nm	1Nm	8Nm	16Nm
DC Brake Rated Torque Reduction at the speed specified x% (1500rpm)	87% (1500 rpm)	87% (1500 rpm)	80% (1700 rpm)	88% (1500 rpm)
Clutch Characteristics	Clutch is motor based. Clutch outside the line of kinetic movement.	Clutch is motor based. Clutch outside the line of kinetic movement.	Clutch is motor based. Clutch outside the line of kinetic movement.	Clutch is motor based. Clutch outside the line of kinetic movement.
Limit Switch (only LVC)	Not Provided	Y	Y	Y
Selfweight	~ 19.0kg	~ 26.0kg	~ 45.0kg	~ 47.0kg
Chain Specifications	Chain Specifications	Chain Specifications	Chain Specifications	Chain Specifications
Size	6x12mm	8x18mm	8x24mm	8x24mm
Safety Factor	>8:1	>8:1	>8:1	>8:1
Selfweight	0.30kg/m	0.78kg/m	1.30kg/m	1.90kg/m
Material	Zinc Galvanized Steel grade UJ	Zinc Galvanized Steel grade UJ	Zinc Galvanized Steel grade UJ	Zinc Galvanized Steel grade UJ
Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications
(Chain Length Up to 70m) Size - Selfweight - External dimension - Height	X5 - 0.75kg - 170x200mm - 100mm	S - 1.00kg - 200x170mm - 120mm	M - 1.00kg - 200x170mm - 120mm	M - 1.00kg - 200x170mm - 120mm
(Chain Length 2640m) Size - Selfweight - External dimension - Height	X8 - 0.75kg - 170x200mm - 100mm	M - 1.00kg - 200x170mm - 120mm	L - 1.00kg - 200x170mm - 120mm	L - 1.00kg - 200x170mm - 120mm
(Chain Length From to 10m) Size - Selfweight - External dimension - Height	Not Provided	L - 1.00kg - 200x170mm - 120mm	XL - 1.00kg - 270x210mm - 150mm	XL - 1.00kg - 270x210mm - 150mm

EX3 RISE

D8 MODEL



DATA SHEET 3-PHASE

MODEL D8+ DC / LVC	D8+ 150kg	D8+ 300kg	D8+ 600kg	D8+ 1200kg	D8+ 300kg
Hoist Specifications	Hoist Specifications	Hoist Specifications	Hoist Specifications	Hoist Specifications	Hoist Specifications
Working Load Limit (WLL)	150kg / 331lbs	300kg / 661lbs	600kg / 1323lbs	1200kg / 2646lbs	600kg / 705lbs
Lifting Speed @50Hz	4m/min / 13ft/min	4m/min / 13ft/min	4m/min / 13ft/min	4m/min / 13ft/min	4m/min / 13ft/min
Motor Power	0.6kW	0.8kW	1.0kW	1.6kW	1.0kW
Operating Voltage Δ / Y	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz	230/400VAC - 3 - 50Hz
3 ph Δ 230 VAC Y 400 VAC	Δ 2.70A - Y 1.50A	Δ 3.29 A - Y 1.90 A	Δ 3.59 A - Y 2.07 A	Δ 4.59 A - Y 2.65 A	Δ 4.50A - Y 2.65A
Falls of Chain	1	1	1	2	1
Load Wheel	5 pockets	5 pockets	5 pockets	5 pockets	5 pockets
Protection Class	IP55 DIN 40050	IP55 DIN 40050	IP55 DIN 40050	IP55 DIN 40050	IP55 DIN 40050
FEM Classification	2m	2m	2m	2m	2m
Duty Factor of Motor	40%	40%	40%	40%	40%
Starts Per Hour	240	240	240	240	240
Connection Cable Length	1m	1m	1m	1m	1m
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC - 3PH + G plug	CEE 16A 9h 230VAC - 3PH + G plug	CEE 16A 9h 230VAC - 3PH + G plug	CEE 16A 9h 230VAC - 3PH + G plug	CEE 16A 9h 230VAC - 3PH + G plug
Y Power Supply Connector	CEE 16A 6h 400VAC - 3PH + G plug	CEE 16A 6h 400VAC - 3PH + G plug	CEE 16A 6h 400VAC - 3PH + G plug	CEE 16A 6h 400VAC - 3PH + G plug	CEE 16A 6h 400VAC - 3PH + G plug
Control Supply Connector (only LVC)	CEE 16A 4h 24VAC - 3PH + G socket	CEE 16A 4h 24VAC - 3PH + G socket	CEE 16A 4h 24VAC - 3PH + G socket	CEE 16A 4h 24VAC - 3PH + G socket	CEE 16A 4h 24VAC - 3PH + G socket
Noise Level	67.5 db @ full load	67.5 db @ full load	67.5 db @ full load	67.5 db @ full load	67.5 db @ full load
DC Brake System	2	2	2	2	2
DC Brake Size	08	08	08	10	10
DC Brake Power	30W	30W	25W	30W	10
DC Brake Operating Voltage	105VDC	105VDC	105VDC	105VDC	30W
DC Brake Rated Torque	4Nm	4Nm	8Nm	16Nm	105VDC
DC Brake Rated Torque Reduction at the speed specified at% (1500r/min)	87% (1500 r/min)	87% (1500 r/min)	85% (1500 r/min)	83% (1500 r/min)	16Nm
Clutch Characteristics	Clutch is friction based force-inhib. Clutch outside the line of kinetic movement.	Clutch is friction based force-inhib. Clutch outside the line of kinetic movement.	Clutch is friction based force-inhib. Clutch outside the line of kinetic movement.	Clutch is friction based force-inhib. Clutch outside the line of kinetic movement.	Clutch is friction based force-inhib. Clutch outside the line of kinetic movement.
Limit Switch (only LVC)	Not Provided	4	4	4	Not Provided
Selfweight	= 19.0kg	= 36.0kg	= 45.0kg	= 47.0kg	= 48.0kg
Chain Specifications	Chain Specifications	Chain Specifications	Chain Specifications	Chain Specifications	Chain Specifications
Size	4x12mm	6x15mm	8x24mm	8x24mm	8x24mm
Safety Factor	10:1	10:1	10:1	10:1	10:1
Selfweight	0.35kg/m	0.78kg/m	1.39kg/m	1.39kg/m	1.39kg/m
Material	Zinc Galvanized Steel grade 80	Zinc Galvanized Steel grade 80	Zinc Galvanized Steel grade 80	Zinc Galvanized Steel grade 80	Zinc Galvanized Steel grade 80
Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications	Chain Bag Specifications
(Chain Length Up to 26m) Size - Selfweight - External dimension - Height	XS - 0.75kg - 140x90mm - 400mm	S - 1.00kg - 200x170mm - 340mm	M - 1.00kg - 200x170mm - 420mm	M - 1.00kg - 200x170mm - 420mm	M - 1.00kg - 200x170mm - 420mm
(Chain Length 26/49m) Size - Selfweight - External dimension - Height	XS - 0.75kg - 140x90mm - 400mm	M - 1.00kg - 200x170mm - 420mm	L - 1.00kg - 200x170mm - 560mm	L - 1.00kg - 200x170mm - 560mm	L - 1.00kg - 200x170mm - 560mm
(Chain Length From to 49m) Size - Selfweight - External dimension - Height	Not Provided	L - 1.00kg - 200x170mm - 560mm	XL - 1.00kg - 270x210mm - 650mm	XL - 1.00kg - 270x210mm - 650mm	XL - 1.00kg - 270x210mm - 650mm



D8+ MODEL





DATA SHEET 1-PHASE

MODEL SINGLE PHASE 250kg LVC	
Main Specifications	Main Specifications
Working Load Limit (WLL)	250kg / 551 lbs.
Lifting Speed @30Hz	4m/min / 13ft/min
Motor Power	0.8kW
Operating Voltage	230VAC - 1 - 50Hz
4 pin 230 VAC	3.1A
Falls of Chain	1
Load Wheel	3 pockets
Protection Class	IP55 DIN 40050
FTM Classification	2m
Duty Factor of Motor	42%
Starts Per Hour	240
Connection Cable Length	1m
Power Supply Connector	OFF 15A 2P 230VAC - 2PH + G plug
Control Supply Connector	CEE 15A 0h 230VAC 3PH 1 G pocket
Noise Level	67.0 dB @ full load
LC Brake System	2
LC Brake Size	03
DC Brake Power	27W
LC Brake Operating Voltage	120VDC
LC Brake Rated Torque	4Nm
DC Brake Rated Torque Rejection of the speed specified 2% (1500r/min)	87% (1000 r/min)
Clutch Characteristics	Clutch is motor based torque limiter. Clutch outside the line of action movement.
Limit Switch (only LVC)	Not provided
Selfweight	~ 30.3kg
Chain specifications	
Chain Specifications	
Size	6x10mm
Safety Factor	> 5:1
Selfweight	U / 161g/m
Material	2mm Galvanized Steel grade U.
Chain Bag Specifications	
Chain Bag Specifications	
(Chain length: Up to 25m) Size - Selfweight - External dimension - Height	S - 1.00kg - 200x170mm - 200mm
(Chain length: 28.00m) Size - Selfweight - External dimension - Height	M - 1.50kg - 200x170mm - 120mm
(Chain length: From 30.00m) Size - Selfweight - External dimension - Height	L - 1.80kg - 200x170mm - 85mm

EX3
RISE





CHAIN HOIST MECHANISMS CLASSIFICATION



RATE OF LOADING	Average time of supposed daily operation t_d (hour)	to 0.25	from 0.25 to 0.5	from 0.5 to 1	from 1 to 2	from 2 to 4	from 4 to 8	from 8 to 16
	Rate of time to Total operating Time (hour)	to 100	to 100	to 1500	to 3000	to 6000	to 12000	to 25000
LIGHT	When normally working with approx. 1/3 of WLL and rarely with WLL.	ISO FFM	M1 10m	M2 10m	M3 15m	M4 20m	M5 30m	M6 5m
MEDIUM	When normally working with approx. 1/3 to 1/2 of WLL and sometimes WLL.	ISO FFM	M1 10m	M2 10m	M3 15m	M4 20m	M5 30m	M6 4m
HEAVY	When normally working with approx. 1/2 of WLL and often with WLL.	ISO TCM	M2 10m	M3 15m	M4 20m	M5 30m	M6 4m	M7 5m
VERY HEAVY	When normally working with WLL and near WLL.	ISO TCM	M3 10m	M4 15m	M5 20m	M6 30m	M7 4m	M8 -

ISO 4301	CFM 0.5/1	DUTY FACTOR OF MOTOR	MINUTES PER HOUR		HOUR / 10 YEARS Bearing Time
			Uniformly Distributed Load / Period	CRABBS PER HOUR	
M1	10m	15%	9	90	400
M2	10m	27%	12	120	800
M3	15m	27%	15	150	1600
M4	15m	47%	18	180	3200
M5	20m	47%	24	240	6400
M6	30m	67%	30	300	12800



CHAIN HOIST MECHANISMS CLASSIFICATION



D8 MODEL

	ISO/FEM	M3/1Bm	M4/1Am	M5/2m
	SAFETY FACTOR	5:1	5.7:1	6.4:1
Small body	Chain 4x12mm	410 kg	350 kg	320 kg
	Hook 1.25t	1000 kg	877 kg	781 kg
	RWM	TBD	TBD	TBD
Medium body	Chain 6x18mm	920 kg	800 kg	720 kg
	Hook 1.25t	1000 kg	877 kg	781 kg
	RWM	TBD	TBD	TBD
Large body	Chain 8x24mm	1640 kg	1430 kg	1280 kg
	Hook 5.4t	4320 kg	3789 kg	3375 kg
	RWM	TBD	TBD	TBD

SF8 MODEL

	ISO/FEM	M3/1Bm	M4/1Am	M5/2m
	SAFETY FACTOR	8:1	8:1	8:1
Small body	Chain 4x12mm	256 kg	249 kg	256 kg
	Hook 1.25t	1000 kg	877 kg	781 kg
	RWM	TBD	TBD	TBD
Medium body	Chain 6x18mm	575 kg	570 kg	576 kg
	Hook 1.25t	625 kg	625 kg	625 kg
	RWM	TBD	TBD	TBD
Large body	Chain 8x24mm	1025 kg	1019 kg	1024 kg
	Hook 5.4t	2700 kg	2700 kg	2700 kg
	RWM	TBD	TBD	TBD





CHAIN HOIST MECHANISMS CLASSIFICATION



D8+ MODEL

	ISO/FEM	M3/1Bm	M4/1Am	M5/2m
	SAFETY FACTOR	10:1	10:1	10:1
Small body	Chain 4x12mm	205 kg	200 kg	205 kg
	Hook 0,25t	200 kg	183 kg	160 kg
	RWM	TBD	TBD	TBD
Medium body	Chain 6x18mm	460 kg	456 kg	461 kg
	Hook 1.25t	500 kg	500 kg	500 kg
	RWM	TBD	TBD	TBD
Large body	Chain 8x24mm	820 kg	815 kg	819 kg
	Hook 5.4t	2160 kg	2160 kg	2160 kg
	RWM	TBD	TBD	TBD





EXE

RISE

ACCESSORIES



CHAIN HOIST ACCESSORIES



CHAIN BAG

Chain Bag used for EXE-RISE is in Polyvinyl chloride coated polyamide 65% PVC (Nylon B40), 35% Polyamide. There are five size (XS, S, M, L, XL) in order to hoist chain of destination.

	XS	S	M	L	XL
<i>Litec Code</i>	CH8029	CH8024	CH8025	CH8026	CH8027
<i>External Dimensions (cm) = AxB</i>	14x9	20x17	20x17	27x21	20x17
<i>Height (cm) = C</i>	40	34	42	58	65
<i>Self-Weight (kg)</i>	+ 0.75	+ 1.00	+ 1.00	+ 1.00	+ 1.00
<i>External Dimensions (inch) = AxB</i>	5.5x3.5	7.9x6.7	7.9x6.7	10.6x8.3	7.9x6.7
<i>Height (inch) = C</i>	15.7	13.4	16.5	22.8	25.6
<i>Self-Weight (lbs)</i>	+ 1.65	+ 2.20	+ 2.20	+ 2.20	+ 2.20

CHAIN HOIST ACCESSORIES



RAIN COVER

Protection from solids and liquids element for EXE-Rise chain hoist in OFF mode during seasonal and permanent installations. EXE-Technology rain cover can be used in both the motor-up and motor-down position and fit easily over the top of the motor to form a impermeable barrier.

	S	M	L
Litec Code	CHHSBK	CHHMBK	CHHLBK
Commercial Name	Black Cover Small	Black Cover Medium	Black Cover Large
Chain Hoist Compatible	DB 250kg/551lbs DB+ 150kg/331lbs	DB 500kg/1102lbs DB+ 300kg/661lbs	DB 1000kg/2205lbs DB+ 600kg/1323lbs DB+ 800kg/1764lbs DB 2000kg/4409lbs DB+ 1200kg/2646lbs



CHAIN HOIST ACCESSORIES

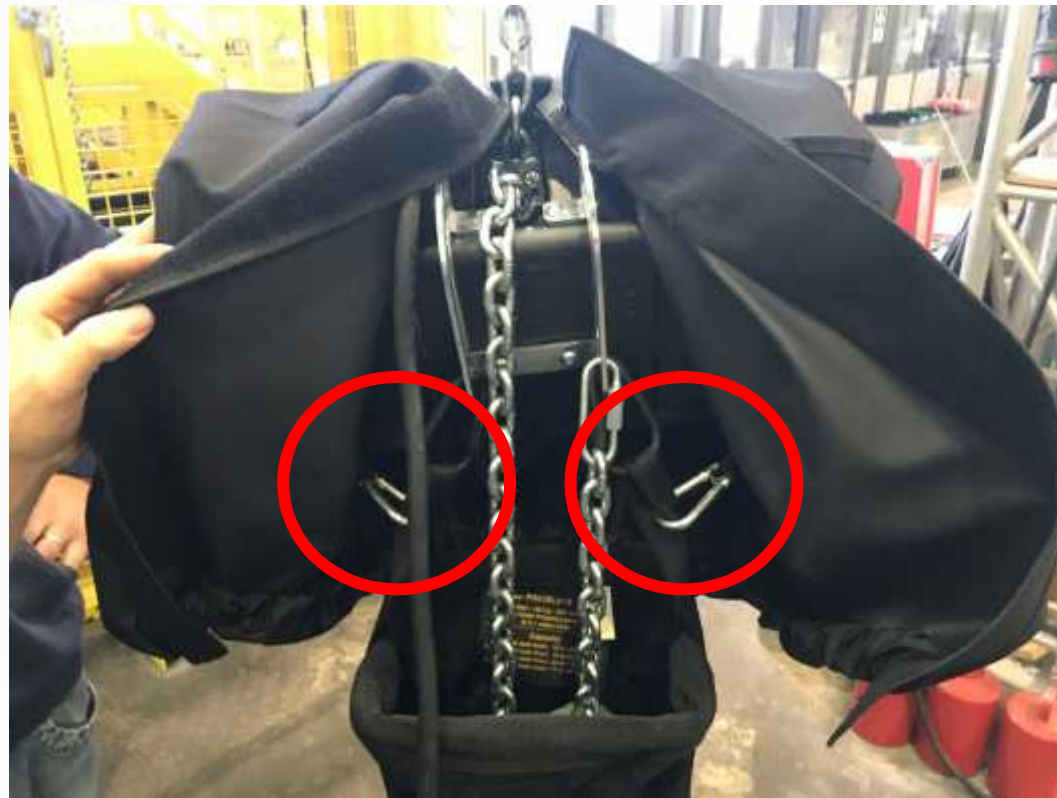
NEW RAIN COVER





CHAIN HOIST ACCESSORIES

NEW RAIN COVER



CHAIN HOIST ACCESSORIES



FLIGHT CASE

Flight-cases are extremely robust with protection against bumps and vibration. Parts are assembled using aluminum bordering, handles, closures and casing, with fixed wheels and trans pallet supports. Flight-cases are fireproof and waterproof.



TECHNICAL DATA

	DIMENSIONS b1xb2xh	HOIST COMPATIBILITY	QUANTITY OF HOIST
<i>XRFSF2N</i>	74x57x57 cm	D8 250kg/551lbs	2
	29.1x22.4x22.4 inch	D8+ 150kg/331lbs	
<i>XRFMF2N</i>	74x57x57 cm	D8 500kg/1102lbs	2
	29.1x22.4x22.4 inch	D8+ 300kg/661lbs	
<i>XRFLF1N</i>	74x57x57 cm 29.1x22.4x22.4 inch	D8 1000kg/2205lbs	1
		D8+ 600kg/1323lbs	
		D8+ 800kg/1764lbs	
		D8 2000kg/4409lbs	
		D8+ 1200kg/2646lbs	



CHAIN HOIST ACCESSORIES

FLIGHT CASE



EX3
RISE



XRF5F2N



XRFMF2N



XRFLF1N



CHAIN HOIST ACCESSORIES



CHAIN SLIDER

Dual 19mm cable attachment points. Can be fitted on a load-bearing chain. Made out of low friction black Polyoxymethylene (POM). Four stainless M6 Hex bolts and Nylocks included.

	S	M	L
Commercial Name	Chain Slider Small	Chain Slider Medium	Chain Slider Large
Chain Compatible	4x12mm 5x15mm	6x18mm 7x22mm	8x24mm



SELF LOCKING SWIVEL HOOKS

The self locking swivel hooks are extremely safe because of the self closing latch and the way the hook is constructed prevents the hook from opening when under load.

	S	M	L
Commercial Name	Latch Lock Hook Small	Latch Lock Hook Medium	Latch Lock Hook Large
Chain Hoist Compatible	D8 250kg/551lbs D8+ 150kg/331lbs D8 500kg/1102lbs D8+ 300kg/661lbs	D8 1000kg/2205lbs D8+ 500kg/1102lbs D8+ 200kg/441lbs	D8 2000kg/4409lbs D8+ 1200kg/2646lbs



DOCUMENTATION

EX3

EX3

RISE





CHAIN HOIST DOCUMENTATION



DECLARATION OF CONFORMITY OF CHAIN HOIST

R-W-M Electric Chain Hoists	
CE	
CONFORMITY DECLARATION	
according to the specification of Machinery Directive 2006/42/CE and subsequent amendments, Enclosure II A the constructor :	
R.W.M. S.R.L. Via della Tecnica, 15 38034 Molino di Melo (VI) Tel. 0009 +445 537002 r.a. Fax. 0009 + 445 637019 declare with his responsibility that the electric chain hoist	
Model	Type
Number	Capacity Kg
Normal and climbing use allowed Manufactured	
is made in conformity of the following directive :	
Machinery Directive 2006/42/CE Low Voltage Tension Directive 2014/35/CE Electromagnetic Compatibility Directive (EMC) 2014/30/CE	
UNE EN 12100 : 2010 (safety of the machine) CEI EN 50204-1 2005 (safety of the electrical parts) CEI EN 13850 (emergency button) IEC-34-5 (IP protection) FEM 9511 (mechanical classification) FEM 9571 (chain quality) FEM 9581 (trolley motor classification) FEM 9582 (lifting motor classification)	
Legal Representative	
Name _____	Firma _____





CHAIN HOIST DOCUMENTATION

TECHNICAL DATA OF CHAIN HOIST



R-W-M		Ordine di Produzione Paranco - Verifiche e Controlli Hoist Production Order - Check and Test			DATA DATE	/ /	
Cliente Customer		Litec Italia srl		Numero Ordine Order number	Matricola Motore Serial Number		
Capacità di sollevamento W. Load Limit	<input type="checkbox"/> 150 kg <input type="checkbox"/> 310 kg <input type="checkbox"/> 320 kg <input type="checkbox"/> 500 kg <input type="checkbox"/> 580 kg <input type="checkbox"/> 620 kg <input type="checkbox"/> 1000 kg <input type="checkbox"/> 1120 kg <input type="checkbox"/> 2000 kg	Modello Model	<input type="checkbox"/> D8 <input type="checkbox"/> C1 <input type="checkbox"/> D8+ <input type="checkbox"/> Custom	Velocità Speed	<input type="checkbox"/> 1 m/min <input type="checkbox"/> 16 m/min <input type="checkbox"/> 8 m/min <input type="checkbox"/> m/min		
Tensione di alimentazione Power Supply	<input type="checkbox"/> 230 Vac <input type="checkbox"/> ___ Vac <input type="checkbox"/> 400 Vac	Frequenza Frequency	<input type="checkbox"/> 50 Hz <input type="checkbox"/> 60 Hz	Contr. bassa tensione Low voltage control	<input type="checkbox"/> 24 Vac <input type="checkbox"/> not provided	Line corsa Limit Switch	<input type="checkbox"/> 2p <input type="checkbox"/> 4p <input type="checkbox"/> not provided
Modello freno Brake Size	<input type="checkbox"/> L06 <input type="checkbox"/> L10 <input type="checkbox"/> L08	Numero di freni Brake number	<input type="checkbox"/> 1 <input type="checkbox"/> 2	Tensione alm. freno Brake Power Supply	<input type="checkbox"/> 105 Vdc <input type="checkbox"/> ___ V	Aratura l. azione Clutch Calibration	<input type="checkbox"/> 20-40%
Numero Lotto Gancio Hook Lot Number		Operatore Operator			Firma Signature		
LITEC		Ordine di Produzione allestimento Paranco - Collaudi Hoist Production Order - Check and Test Assembling			DATA DATE	/ /	
Cliente Customer		Numero Ordine Order number		Matricola Motore Serial Number			
Lin catena Chain rows	<input type="checkbox"/> 1 <input type="checkbox"/> 2	Metri catena Chain length	___ m	Dim. Catena Chain Size	<input type="checkbox"/> 4x12 <input type="checkbox"/> 5x15 <input type="checkbox"/> 6x18 <input type="checkbox"/> 7x22 <input type="checkbox"/> 8x24	Lotto catena nr. Chain lot nr	
Cablaggio Spina Power Plug	<input type="checkbox"/> 230-250 3P+1 Vac <input type="checkbox"/> 380-415 3P+T Vac	<input type="checkbox"/> not provided	Cablaggio Presa Control Socket	<input type="checkbox"/> not provided <input type="checkbox"/> 100-130 3P+T Vac	Reg. line corsa Limit Sw. Adjust	<input type="checkbox"/> 2p <input type="checkbox"/> 4p <input type="checkbox"/> not provided	
Sacco catena Chain bag	<input type="checkbox"/> XS <input type="checkbox"/> M <input type="checkbox"/> XL <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> not provided	Manuale Uso e Manutenz. Manual and service Manual	<input type="checkbox"/> I <input type="checkbox"/> L/E <input type="checkbox"/> FN	Operatore Operator	<input type="checkbox"/> SM12 <input type="checkbox"/> BI 22	<input type="checkbox"/> ___	
FOR PRODUCT TECHNICAL FEATURES, CERTIFICATES AND SAFE USE, PLEASE REFER TO: WWW.LITECTRUSS.COM			Load test to 125% of the SWL	<input type="checkbox"/> Y <input type="checkbox"/> N	Firma Signature		





CHAIN HOIST DOCUMENTATION

EX3
RISE

DATA SHEET OF CHAIN

RUD Technical chain data
Hoist chain DIN EN 818-7

hoist chain: RUD brand hoist grade: type: DIN 818: surface: manufacturing length:	8x18 7701052 T DAT PT 5 galvanized coated 150m
nominal diameter of: nominal pitch p: outside width W: minimum inner width W _{min} : maximum stable width W _{max} : maximum working diameter d _{max} : weight:	8 mm 40.810.0mm 41.2 - 42.510.0mm 43.0 - 44.510.0mm 7.2mm 21.2mm 8.5mm 0.77kg/m
min. tensile at breaking force equal: min. tensile at break force: min. total ultimate elongation A ₁₀ at: surface hardness: case depth:	800N/mm ² 45.28N 82% 500-600HV0.05 0.140-0.150mm
mean stress at max. chain force in 18m: max. working load in 18m	160N/mm ² 630kg
mean stress at max. chain force in 14m: max. working load in 14m	140N/mm ² 600kg
mean stress at max. chain force in 2m: max. working load in 2m	120N/mm ² 500kg

Inspection Certificate 3.1 acc. to DIN EN 10204	
description: chain 8,0x18,00	RUD ref.: 7701052
quality grade: T	certificate ref.: T-NR20318
type: DAT	
quality: PT 5	
material: special chain steel	
condition of surface: galvanized	
working load limit / class of working load limit:	class 1800 of EN 818-7 annex 3
MS	MS
GS	GS
NS	NS

We confirm the fulfillment of the required values according to RUD production

Guaranteed properties:	Dimensions:
min. manufacturing proof force:	nominal diameter: 8.00 0.10+0.20mm
stress at min. manufacturing proof force:	nominal pitch p: 40.810.0 ± 0.10mm
guaranteed min. breaking force:	W: 43.0 1.00+0.00mm
stress at min. breaking force:	W _{min} : 7.2 0.00mm
total ultimate elongation - EN. nr.:	inside width W _{min} : 21.2 0.00mm
hardening collection:	case width: 0.140-0.150mm
acc. EN 818-7, 5.2.4:	diameter at the width: 8.5 0.00mm
surface hardness EN 818-7 5.1.6.3.2.690-45:	
case depth: 0.04+0.01/0.01 - 0.02	
coating HTAE, DIN 555 par. 3 6.7.2.1	

stamp: 4-18 T 8x U 0, DAT

technological values EN DIN EN 818-7

CERTIFICATION 3.1 OF CHAIN






CHAIN HOIST DOCUMENTATION



DECLARATION OF CONFORMITY OF HOOK

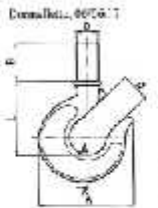


REGISTRARIA REGIONALE
 Dato di Credito
 07/08/1978

INFORMAZIONI
 Località: S. Giovanni Lupatoto (VI)
 Via S. Battista, 11
 Tel. 0445 - 497314-1131
 Fax 0445 - 497311
 www.regione.vi.it
 www.regione.vi.it/infociv

CONTRIBUTO
 art. 10, c. 2
 2004 - 2008/01/08

Sede legale:
 36100 VI, VIA S. BATTISTA
 21 - 0445 497311/1131
 0445 497311/1131

Descrizione: 60750.17


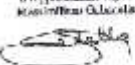
 Spett.le
 R.W.M. SRL
 VIA COLLEONI 99C
 36034 MOLINA DI BASSANO (VI)
 ATTENZIONE: N° 1100.07
 Conforme alla direttiva /Decreto di legge n. 20306/2002
 Quanto concernente / Dichiarazione di conformità EN 61342
 Valore di lavoro: 175 da 15/10/07
 No. certificato di vendita / serie: 12421 del 18/08/17

Lavoro / Data	Ufficiale / Funzione	W.L.L. (t)	Dimensioni (mm) / Dimension (inch)							
			A	B	C	D	E	H	L	M
001308LS	-	0,5	92	98	34	26	21	27	32	36

1) Tipo di trazione / descrizione: GANCIO A GAMBO Art. 25 - CURTU
 2) Carico di prova: nessuno senza delimitazione / permesso / see EN 61342
 3) Carico di esercizio: 175kg / nessuno / permesso / see EN 61342
 4) Materiale impiegato / Material used: 430CrAlNi FN 17085-1 - Trattamento termico / Heat treatment: BONIFICA
 5) Macchina / Machine: LD CE Art. 25 - V-ALP
 6) Pericolo valutato e coefficiente di sicurezza / Safety factor: 8
 7) Massa netta / Net weight: 1,50 kg

DICHIARAZIONE CE DI CONFORMITÀ
 ai sensi della Direttiva Macchine 2006/42/CE - allegato 1, punto 1.b
 Il sottoscritto costruttore Lamei S.p.A. dichiara sotto la propria responsabilità che l'accessorio di sollevamento di cui all'elenco annesso, inteso nel suo complesso, è conforme alla Direttiva Comunità Macchine 2006/42/CE.
 Norme armonizzate applicate: EN 12103 al carico dinamico.

CE DECLARATION OF CONFORMITY
 Directive on Machinery 2006/42/EC - Annex 1, point 1.b
 Manufacturer undertakes declare on their own responsibility that the lifting accessory mentioned in the list is conform with the Directive of Machinery, in its scope.
 Harmonized standards applied: EN 12103 (dynamic load).


 Il rappresentante legale
 dell'azienda Lamei S.p.A.

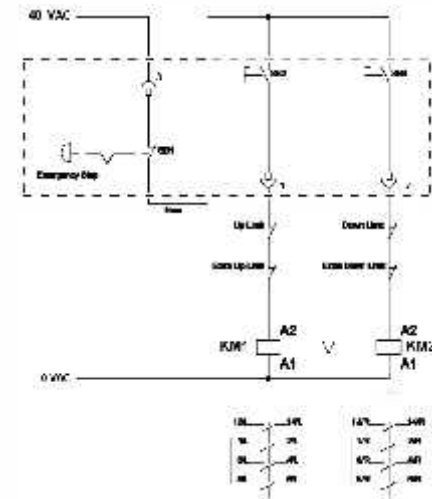
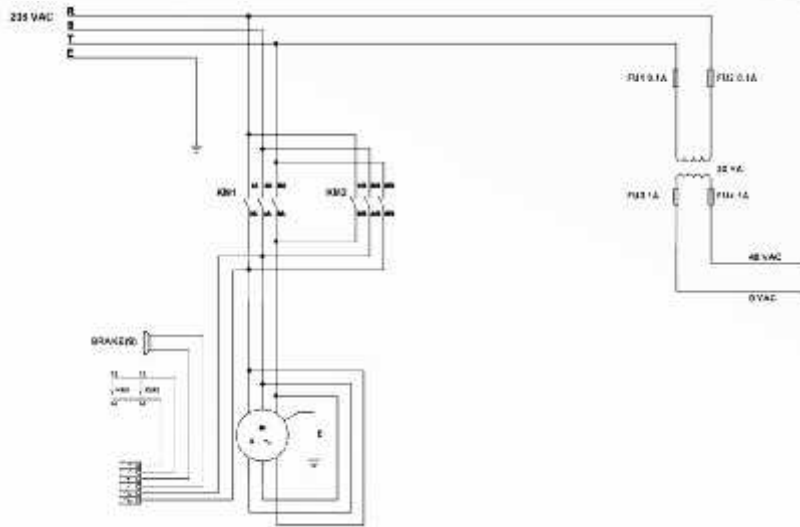




CHAIN HOIST DOCUMENTATION



WIRING DIAGRAM





CHAIN HOIST DOCUMENTATION



DATA SHEET OF CHAIN HOIST

EX3 RISE	EX3-RISE CHAIN HOIST Line Voltage Control DATA SHEET	250 Kg 158 l VC	
CE			
HOIST SPECIFICATIONS			
Model	250 kg DC-250	Flow Level	27.5°C @ 50% Load
Working Load Limit (WLL)	250 kg (551 lb)	DC Brake System	0
Lifting Speed	4.5 m/min (148 ft/min)	DC Brake Size	16
Motor Power	0.5 kW	DC Brake Size	20 mm
Supply Voltage (V)	230-240 V AC 50/60 Hz	DC Brake Operating Current	100 mA
Supply Voltage - V-Min/Max	220 V AC - 250 V AC	DC Brake Load Torque	1.0 Nm
Motor Protection	IP54 (Outdoor Use)	DC Brake Rated Torque	1.0 Nm (1.08 ft-lb)
Protection Class	IP54	Installation of the Hoist	See Manual
Load Wheel	2 rollers	Load Wheel	Cast Iron (Motor Load)
Frame Material	Steel	Frame Material	Cast Iron
Frame Dimension	175	Frame Dimension	100 mm x 100 mm x 100 mm
Case Material (W/L)	40%	Case Color	Black (Optional)
Operating Rate	50%	Labeling	CE, EN 14954
Connection Cable Length	0.5 m	Labeling	EN 14954
AC Power Supply Connector	EN 60309-2-250V-3P+N	To be used with the motor, please contact us for more detailed information.	
Y-Power Supply Connector	EN 60309-2-250V-3P+N		
Control Supply Connector	EN 60309-2-250V-3P+N		
CHAIN SPECIFICATIONS		CHAIN DIA. SPECIFICATIONS	
Size	4107 100	Chain Weight (kg)	18 20 25 30 35 40 45 50
Length (m)	1.1	Min.	25 30 35 40 45 50
Material	EN 12516 Steel	Max. Dimension	1.60 1.60 —
	3000 x 100 x 100 (mm)	Temperature	20 20 20 —
		Temperature	20 20 20 —
		Material	EN 12516 Steel
		Min. Chain Length	100 100 100 100 100
		Max. Chain Length	100 100 100 100 100
<small>MANUFACTURED BY EX3 RISE S.p.A. Via Padovana, Padova 35131, Italy. Tel: +39 049 8741111. Fax: +39 049 8741112. www.ex3rise.com</small>			
REV. 04/20 12/2002/07	DESIGNED BY LITEL/Ex3 S.p.A. VIA SERRAVALLE 1001, 35030 S. GIACOMO (PD) ITALY. TEL: +39 049 8741111. FAX: +39 049 8741112. www.ex3rise.com info@ex3rise.com	EX3	





CHAIN HOIST DOCUMENTATION



USER AND SERVICE MANUAL
FOR EXE-RISE CHAIN HOIST

USE AND MAINTENANCE
MANUAL OF CHAIN HOIST



250/500/1000/2000 kg D8
(DC/LVC)

150/300/600/1200 kg D8+
(DC/LVC)



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LITEC ITALIA S.R.L.

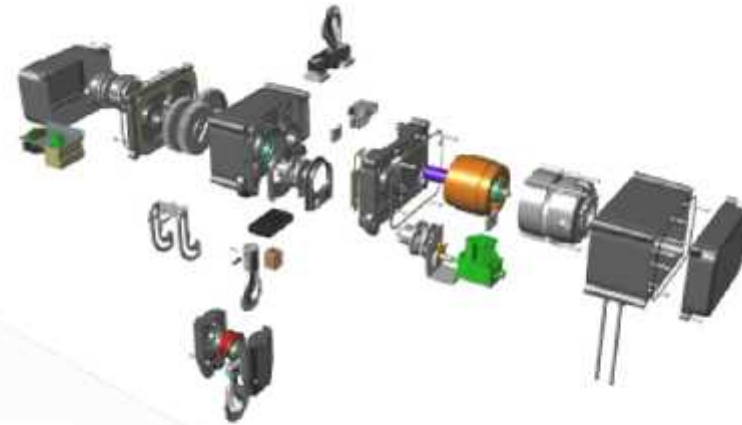
Via Mellini, 10 - 00185 Roma (RM) Italy
Tel: +39042207100 Fax: +39042207102
www.litec.it
info@litec.it

[ORIGINAL INSTRUCTION]





CHAIN HOIST DOCUMENTATION



SPARE LIST

DESCRIPTION	DESCRIPTION
COVER	GEAR BOX
COVER	ROTOR
BRAKE FLANGE	STATOR
GEAR BOX HOUSING	BRACKET
GEAR BOX FLANGE	FRAME BLOCK
LOAD WHEEL HOUSING	LIMIT SWITCH
LOAD WHEEL FLANGE	REVERSING CONTACTOR
MOTOR HOUSE	FUSES
BODY SWIVEL HOOK	RECTIFIER
CHAIN SWIVEL HOOK	TRASFORMER
CHAIN STOP	SCREW
EXTERNAL CHAIN GUIDE	
LOAD WHEEL	
DOUBLE BRAKE	





EXE

VARIO

EXE
TELECOMUNICACIONES

CHAIN HOIST
VARIABLE SPEED



SUPER LARGE
FRAME

500 kg
VARIABLE
SPEED

Working Load Limit (WLL)	500kg/1102lbs
Lifting Speed	From 0 m/min / 0ft/min To 20m/min / 66ft/min @50Hz

SINGLE REEVE

1000 kg
VARIABLE
SPEED

Working Load Limit (WLL)	1000kg/2205lbs
Lifting Speed	From 0 m/min / 0ft/min To 10m/min / 33ft/min @50Hz

DOUBLE REEVE

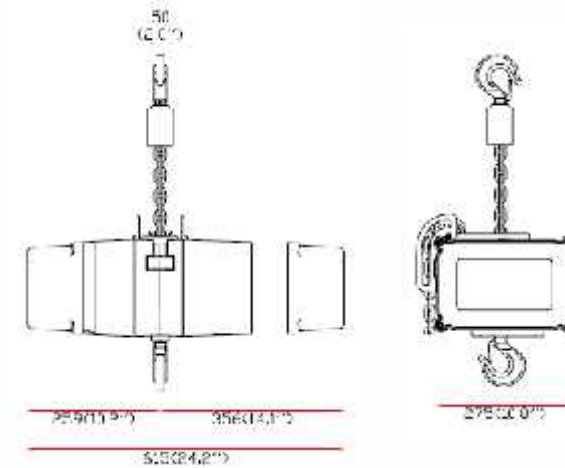




CHAIN HOIST DATA SHEET

EX3
VARIO

Motor Power	2.2kW
Operating Voltage Δ/Y	400VAC - 3 - 50Hz
3 ph Y 400VAC	- 6.0 A
Type of Control	Direct Control
Revolutions Per Minute	2800
Falls of Chain	1
Load Wheel	5 pockets
Protection Class	IP55 DIN 40050
Noise Level	67.5 db @ full load
LC Brake System	2
LC Brake Size	III
DC Brake Power	30W
DC Brake Operating Voltage	205VDC
DC Brake Rated Torque	16N·m
DC Brake Rated Torque Reduction at the speed specification x %	75% (3000 r/min)
Clutch Characteristics	Clutch is a friction based force-limiter. Clutch is outside the line of kinetic movement.
Limit Switch	4 position
Encoder	Incremental
Self-Weight	= 45.0kg



EX3
TECHNOLOGY



KINESYS OPERATED



EXE
VARIO

EXE
TECHNOLOGY



EX3




























DRIVE





EX3
DRIVE

COMFORTABLE
QUICK
SAFE

N° CHANNEL	LINKABLE	DIRECT CONTROL	DIGITAL REMOT CONTROL			
			LOW VOLTAGE CONTROL			
1	✗	 DH1				
2	✗	 DH2				
4	✗	 XDD4	 XDD4-LV			
	✓	 XDDL4	 XDDL4-LV	 XDR4	 XDR4R	 XDR4C
8	✗	 XDD8				
	✓	 XDDL8	 XDDL8-LV	 XDR8	 XDR8R	 XDR8C
16	✓	 XDDL16	 XDDL16-LV	 XDR16	 XDR16R	 XDR16C
24	✓	 XDDL24	 XDDL24-LV	 XDR24	 XDR24R	 XDR24C

CONTROLLERS



MODEL
PENDANT PUSH BUTTON



1 CHANNEL

Dimensions: 200x85x75.4mm
7.8x3.3x3.0inch
Weight: 1.5 kg / 3.3lbs



2 CHANNEL

Dimensions: 310x98x76mm
12.2x3.9x3.0inch
Weight: 2.0 kg / 4.4lbs

- Double-isolated yellow keypad in polyester
- 1 x Emergency Stop button
- 2 x mechanical interlock UP-DOWN switches (requires operator to be present)
- Compatible with most chain hoists available on the market
- Fixed speed

Power Supply: CEE 400VAC \pm 10% – 32A – 3 P+N+E 6h plug @50-60Hz with mechanical phase inverter

Outputs: 1/2 x CEE 400VAC – 16A – 3 P+E 6h panel socket

**MODEL
BASIC CONTROLLER**



4 CHANNEL



8 CHANNEL

- 3 Red Neon Light for Power Supply indication
- MCB 16A & GFI Breaker (30mA)
- Emergency Stop button
- White GO button
- 4/8 x 3-travel direction selectors (UP-OFF-DOWN)
- Protection General Contactor
- Fixed speed

SPIDER-SOCAPEX TO CEE

This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists



**MODEL
BASIC CONTROLLER**

4 CHANNEL

DIRECT CONTROL

LOW VOLTAGE CONTROL

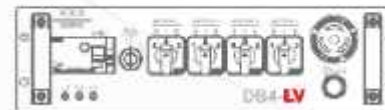
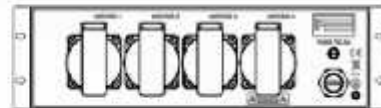
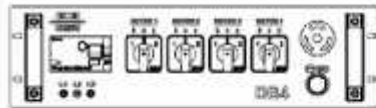


FRONT VIEW

FRONT VIEW

BACK VIEW

BACK VIEW



Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 4 x CEE 400VAC – 16A – 3 P+E 6h panel socket

Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 2 x 19 pin circular multi-pin female connector

Dimensions: 3U rack box 260mm depth
Weight: 12 kg / 26.5 lbs



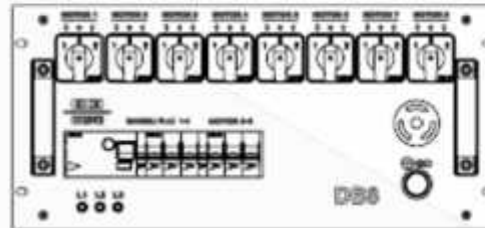
MODEL BASIC CONTROLLER

8 CHANNEL

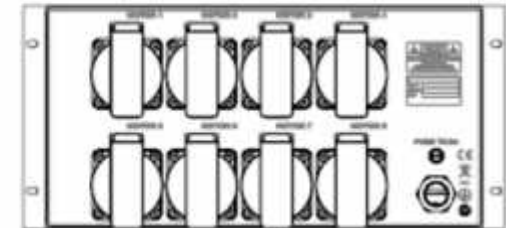
DIRECT CONTROL



FRONT VIEW



BACK VIEW



Power Supply: CEE 400VAC \pm 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter

Outputs: 8 x CEE 400VAC – 16A – 3 P+E 6h panel socket

Dimensions: 5U rack box 260mm depth

Weight: 17 kg / 37.5 lbs





**MODEL
MULTILINK CONTROLLER**

DIRECT CONTROL

**EX3
DRIVE**



4 CHANNEL



8 CHANNEL



16 CHANNEL



24 CHANNEL



**MODEL
MULTILINK CONTROLLER**

LOW VOLTAGE CONTROL



4 CHANNEL



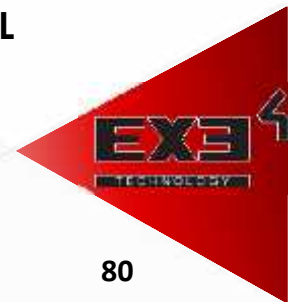
8 CHANNEL



16 CHANNEL



24 CHANNEL





MODEL MULTILINK CONTROLLER

- ➔ 3 Bicolor Led Light Green/Red for Phase Rotation indication
- ➔ GFI 40A (30mA) and 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- ➔ Emergency Stop button
- ➔ White GO button with light indication
- ➔ 4/8/16/24 x direction contactor reversal
- ➔ 4/8/16/24 x 3-position travel direction switches (UP-OFF-DOWN)
- ➔ XLR 5-pole OUT Link panel socket
- ➔ XLR 5-pole IN Link + REMOTE panel socket
- ➔ 2x XLR 4-pole for load cell / limit switch / E-stop

SPIDER-SOCAPEX TO CEE

This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists



EX3
DRIVE

**F
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EX3
TECHNOLOGY

**MODEL
MULTILINK CONTROLLER**

4 CHANNEL

DIRECT CONTROL

LOW VOLTAGE CONTROL

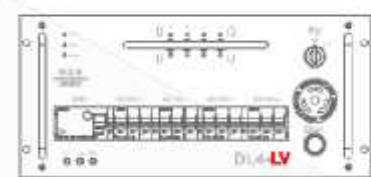
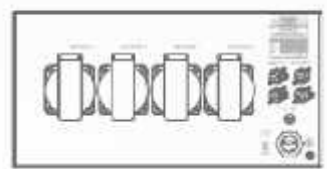
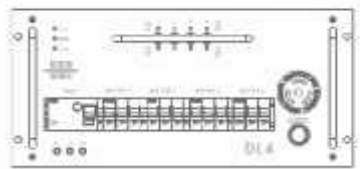


FRONT VIEW

BACK VIEW

FRONT VIEW

BACK VIEW



Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 4 x CEE 400VAC – 16A – 3 P+E 6h panel socket

Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 2 x 19 pin circular multi-pin female connector

Dimensions: 5U rack box 260mm depth
Weight: 21 kg / 46.3 lbs

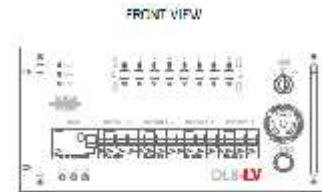
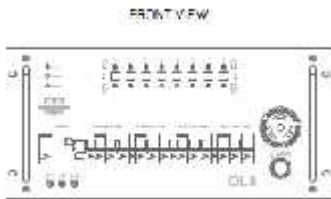
**MODEL
MULTILINK CONTROLLER**

8 CHANNEL

DIRECT CONTROL



LOW VOLTAGE CONTROL



Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 8 x CEE 400VAC – 16A – 3 P+E 6h panel socket

Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 4 x 19 pin circular multi-pin female connector

Dimensions: 5U rack box 260mm depth
Weight: 25 kg / 55.1 lbs

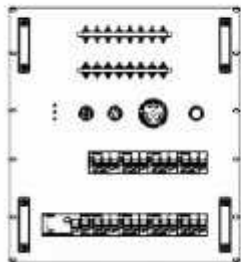
**MODEL
MULTILINK CONTROLLER**

16 CHANNEL

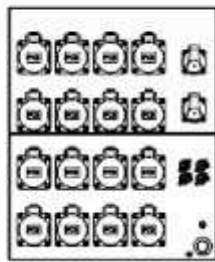
DIRECT CONTROL



FRONT VIEW



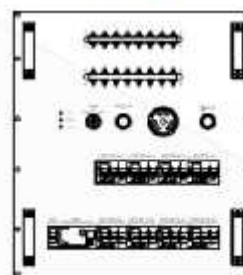
BACK VIEW



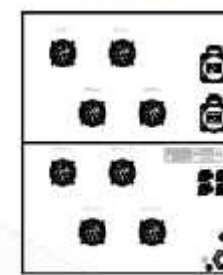
LOW VOLTAGE CONTROL



FRONT VIEW



BACK VIEW



Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug @50-60Hz with mechanical phase inverter

Outputs: 16 x CEE 400VAC – 16A – 3 P+E 6h panel socket

Dimensions: 16U rack box 260mm depth

Weight: 44 kg / 97.0 lbs

Power Supply: CEE 400VAC ± 10% – 32A – 3 P+N+E 6h plug @50-60Hz with mechanical phase inverter

Outputs: 8 x 19 pin circular multi-pin female connector

**MODEL
MULTILINK CONTROLLER**

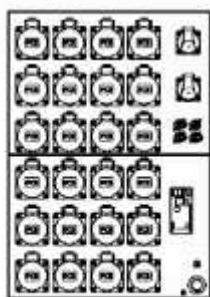
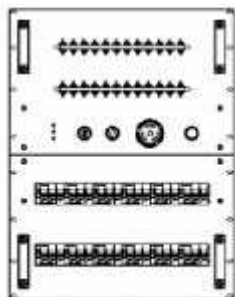
24 CHANNEL

DIRECT CONTROL



FRONT VIEW

BACK VIEW



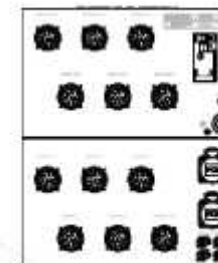
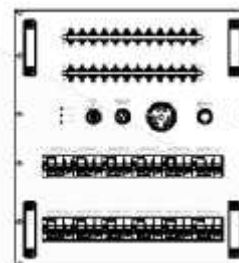
Power Supply: CEE 400VAC \pm 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 24 x CEE 400VAC – 16A – 3 P+E 6h panel socket
Dimensions: 14U rack box 260mm depth
Weight: 47 kg / 103.6 lbs

LOW VOLTAGE CONTROL



FRONT VIEW

BACK VIEW



Power Supply: CEE 400VAC \pm 10% – 32A – 3 P+N+E 6h plug
@50-60Hz with mechanical phase inverter
Outputs: 12 x 19 pin circular multi-pin female connector
Dimensions: 12U rack box 260mm depth
Weight: 47 kg / 103.6 lbs

MODEL
REMOTE EMERGENCY BUTTON



XDRHG
STOP / GO



XDRHGR
STOP / GO / REVERSE

- Yellow double-isolated keypad in self-extinguishing thermoplastic
- This unit work only with XRL 5-pole OUT Link back panel plug provided with the DL xx controller
- Emergency Stop button
- Red Stop mushroom button
- White flashing LED to enable Go function from remote control
- Green Go button (requires operator to be present)
- White button for Reverse function (only XDRHGR)
- Cable length: 15m
- 1 x flying XLR 5-pole socket connector

MODEL
REMOTE CONTROL BUTTON



4 CHANNEL
XDRH4C

Dimensions: 22.5x10.6x9.5 cm
8.9x4.2x3.7 inch
Weight: 0.9 kg / 2.0 lbs



8 CHANNEL
XDRH8C

Dimensions: 29.0x10.6x9.5 cm
11.4x4.2x3.7 inch
Weight: 1.2 kg / 2.6 lbs



16 CHANNEL
XDRH16C

Dimensions: 29.5x20.0x9.5 cm
11.6x7.9x3.7 inch
Weight: 1.8 kg / 4.0 lbs



24 CHANNEL
XDRH24C

Dimensions: 36.5x20.0x9.5 cm
14.4x7.9x3.7 inch
Weight: 2.3 kg / 5.1 lbs

MODEL
REMOTE CONTROL BUTTON



4 CHANNEL
XDRH4C



8 CHANNEL
XDRH8C



16 CHANNEL
XDRH16C



24 CHANNEL
XDRH24C



- Material: Sturdy 2mm thick aluminium box, grey powder coated pendant push button
- 1 x Stop mushroom button
- White GO button with light indication
- 4/8/16/24 x Direction switch with light indication
- 4/8/16/24 Bicolor Green/White LED lights indicating channel UP / DOWN preselection
- Bicolor Green/Orange LED
- XLR5 pin male on body for cable connection, cable to be ordered separately

EX3

CELL



LC-PRO CONFIGURATION



LC-NLP CONFIGURATION



LC-PRO CONFIGURATION



LC-PRO CONFIGURATION COMPONENTS



LC-H2T
CELL HOOK

- Load cell fully integrated into the hook plate assembly.
- Solid and robust – Built to withstand the rigours of touring.
- Easy to upgrade from a standard hook. Simply fixed in place using two bolts.
- Cable from load cell to display is routed inside the hoist for additional durability.
- No loss of headroom compared with external load cell systems.

LC-PRO CONFIGURATION COMPONENTS



LC-PRO4
CELL DISPLAY

- Calibration of loadcell via link connectors for easy setup without dismantling the hoist.
- Two panel display, one to show 4-DIGIT weight (132 x 47 mm) and a second 2-DIGIT display (45 x 39 mm) has the possibility to select between pounds or kilograms. Both displays are mounted behind a durable polycarbonate protection screen.
- Dual Color Multifunction display to show system calibration set up and real time weight loading, with adjustable brightness and auto power off functions.
- Automatic display reverse option to provide easy to read, clear display in either body up or body down operation. Backup power supply via battery.
- Optional available a Li-Ion battery to mount inside the CELL DISPLAY
- that is able to power the load cell without using any external power supply via link cable connector, for more details please read the instruction manual.
- “Zero” value setting (Tare) function, shows the weight of the suspended load only and not the self-weight of the hoist. Double load /sleeve block/ reading setting. Setting over and under-load.



LC-PRO CONFIGURATION COMPONENTS

EXE-RISE CHAIN HOIST CONTROL SYSTEM

EXE-CELL HCapp software is free and very easy to use. It is possible to set maximum (overload) and minimum (underload) load limits for each hoist directly from the PC interface. If the load monitoring detects a hoist that reaches one of these pre-set limits the hoists will stop. In addition to this, you can also set a lesser load value than the maximum and minimum limits that will act as a visual warning that the system is approaching the pre-set cut out points.

EXE
CELL



LC-PRO SOFTWARE

EXE
TECHNOLOGY

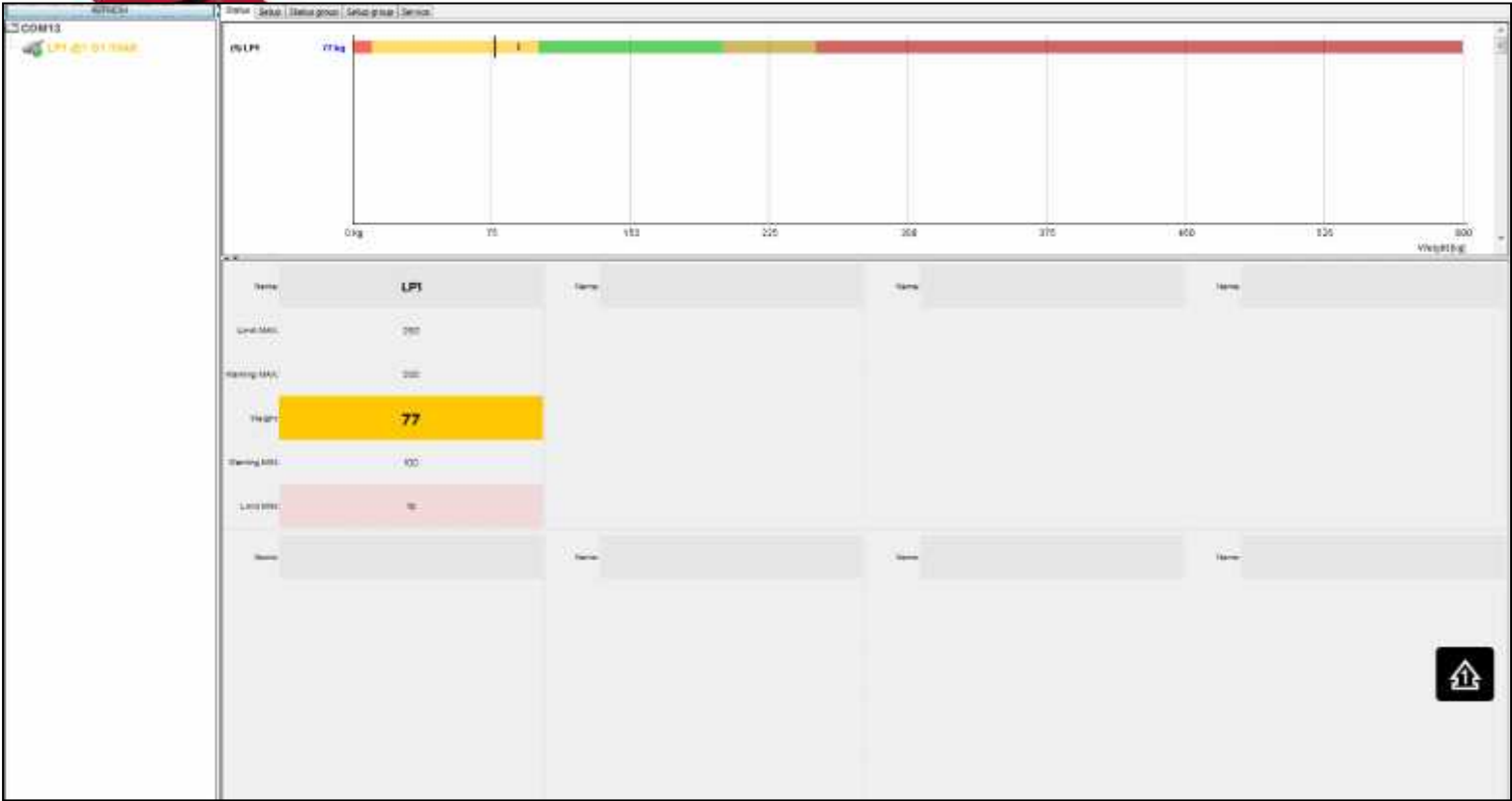


LC-PRO CONFIGURATION COMPONENTS

EX3
CELL

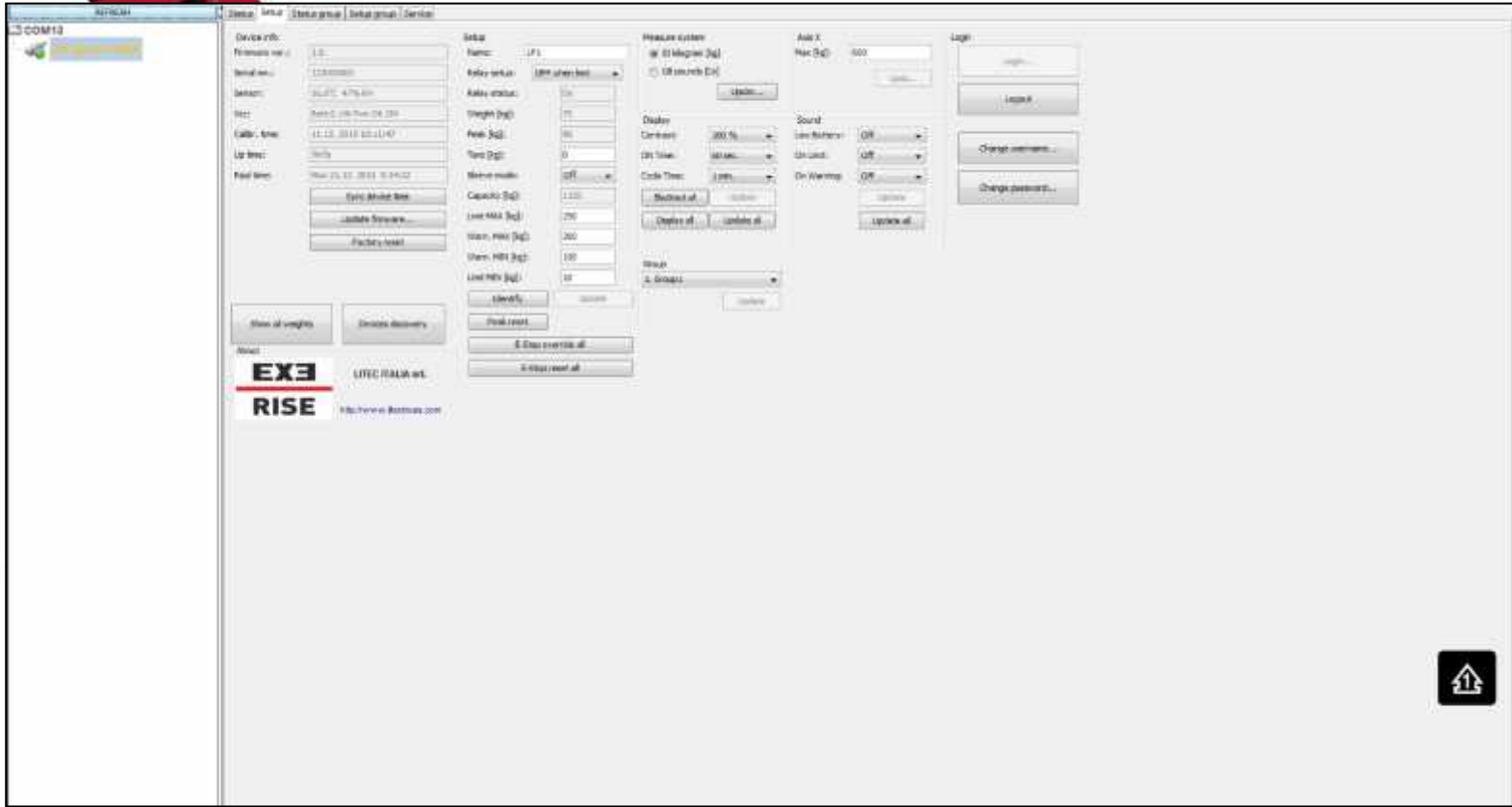


LC-PRO
SOFTWARE





LC-PRO CONFIGURATION COMPONENTS



EX3
CELL



LC-PRO
SOFTWARE



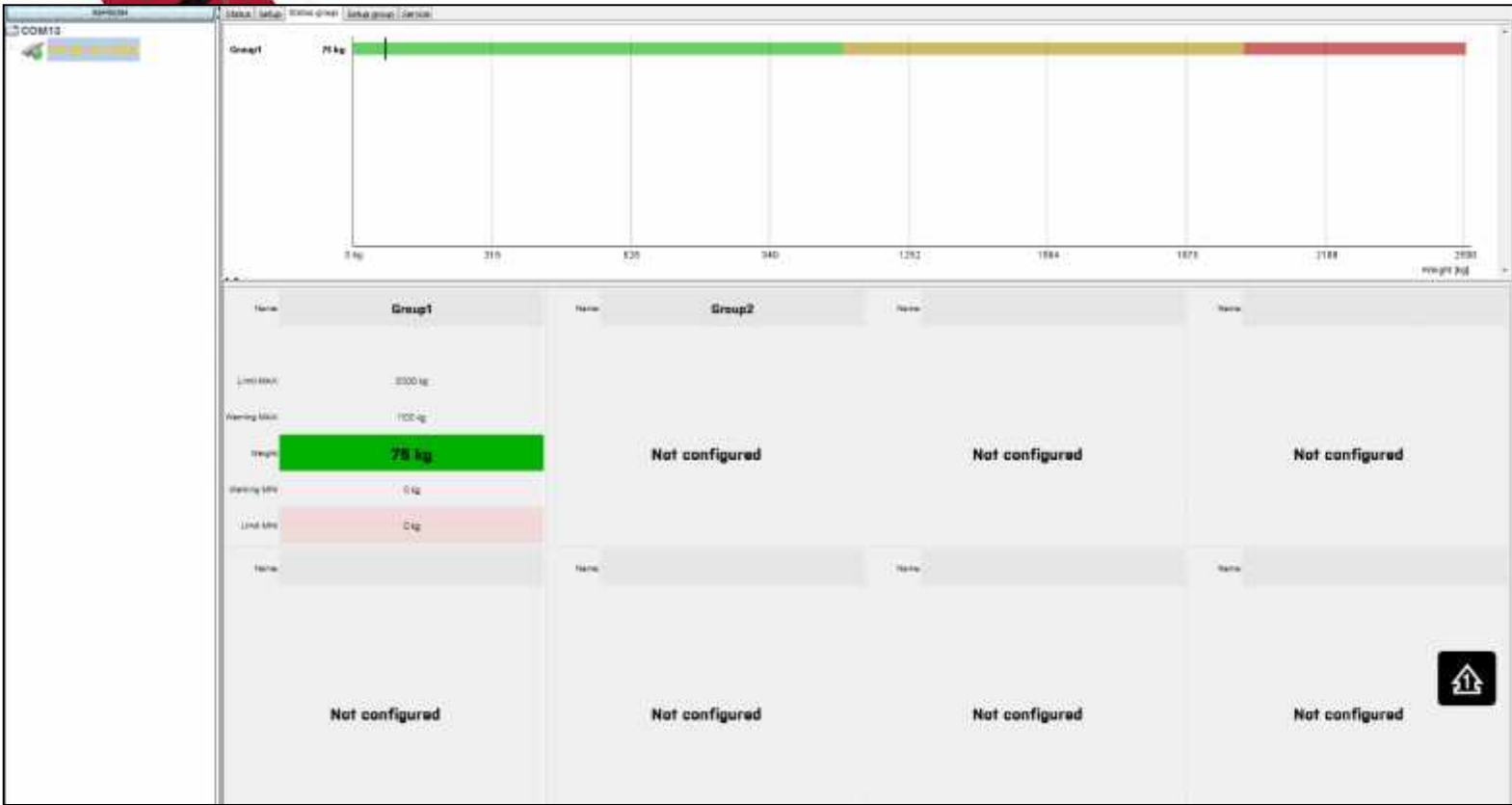


LC-PRO CONFIGURATION COMPONENTS

EX3
CELL



LC-PRO
SOFTWARE





LC-PRO CONFIGURATION COMPONENTS

EX3
CELL



LC-PRO
SOFTWARE

COM13

Group 1
Name: Group 1
Weight (kg): 10
Limit MAX (kg): 2000
Warn. MAX (kg): 1000
Warn. MIN (kg): 0
Limit MIN (kg): 0

Group 2
Name: Group 2
Weight (kg): 1
Limit MAX (kg): 200
Warn. MAX (kg): 100
Warn. MIN (kg): 0
Limit MIN (kg): 0

Group 3
Name: Group 3
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

Group 4
Name: Group 4
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

Group 5
Name: Group 5
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

Group 6
Name: Group 6
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

Group 7
Name: Group 7
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

Group 8
Name: Group 8
Weight (kg): 1
Limit MAX (kg): 1
Warn. MAX (kg): 1
Warn. MIN (kg): 1
Limit MIN (kg): 1

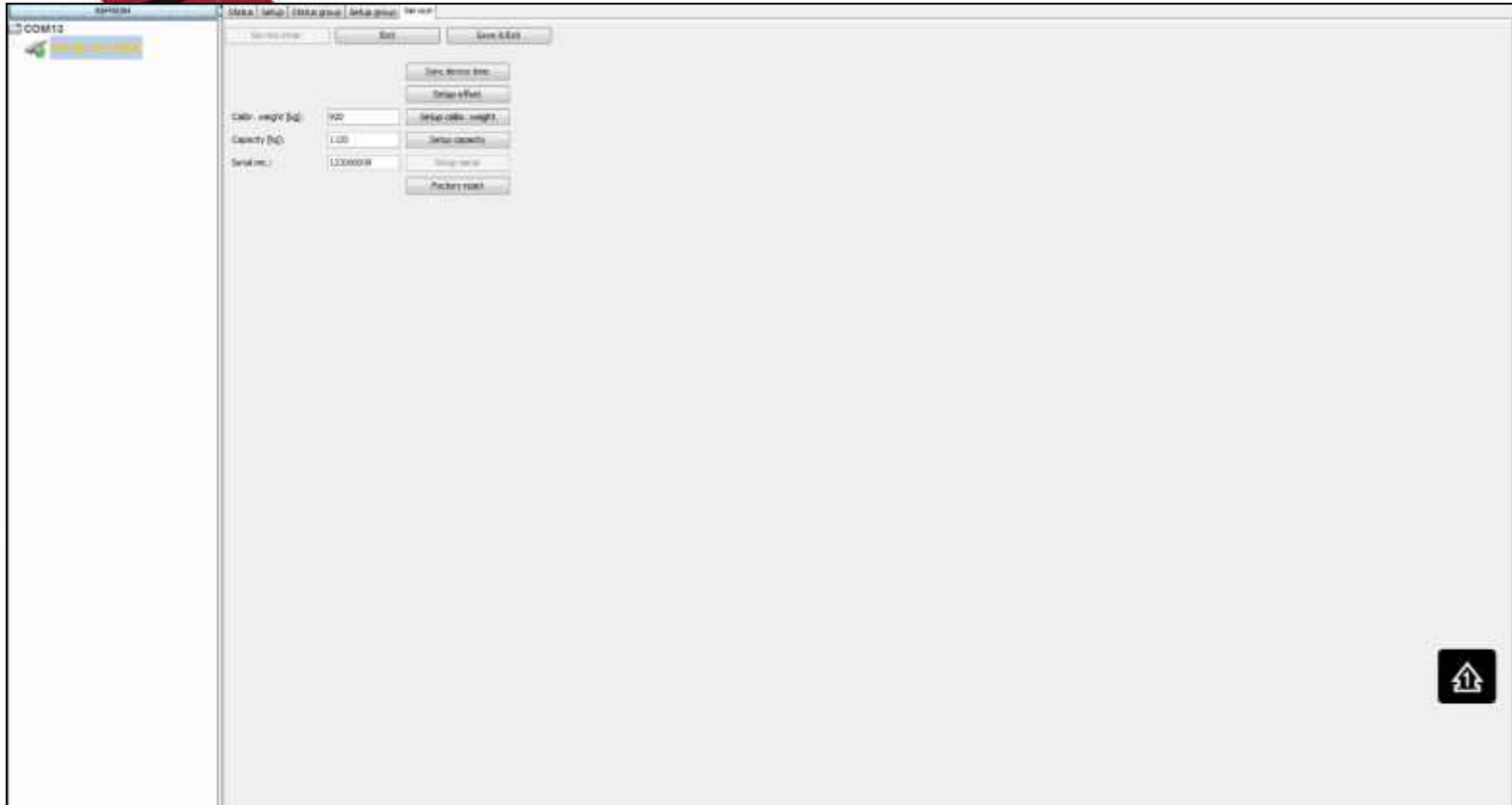
Lock group

Home icon





LC-PRO CONFIGURATION COMPONENTS



EX3
CELL



LC-PRO
SOFTWARE





LC-PRO CONFIGURATION COMPONENTS



LC-CB16 CELL BOOSTER





LC-PRO CONFIGURATION COMPONENTS

EXE
CELL

- Powers up to 16 EXE-Cell Pro Interface modules via two 7 Pin XLR output lines.
- Rack mountable – 2U.
- Front panel includes Data and Power on LED indicator lights.
- 1 x Emergency Stop mushroom button.
- Power inlet and Auxiliary out via Powercon connectors on rear (16amp Max).
- Auto Sensing Voltage Selector.
- Can be connected to EXE-Drive controllers and linked to activate E-stop network in case of Over/Under load.
- Multiple Boosters and EXE-Drive units can be linked together.
- These can be used to trigger flashing beacons or audible sounders as an additional warning in case of Over/Underload.

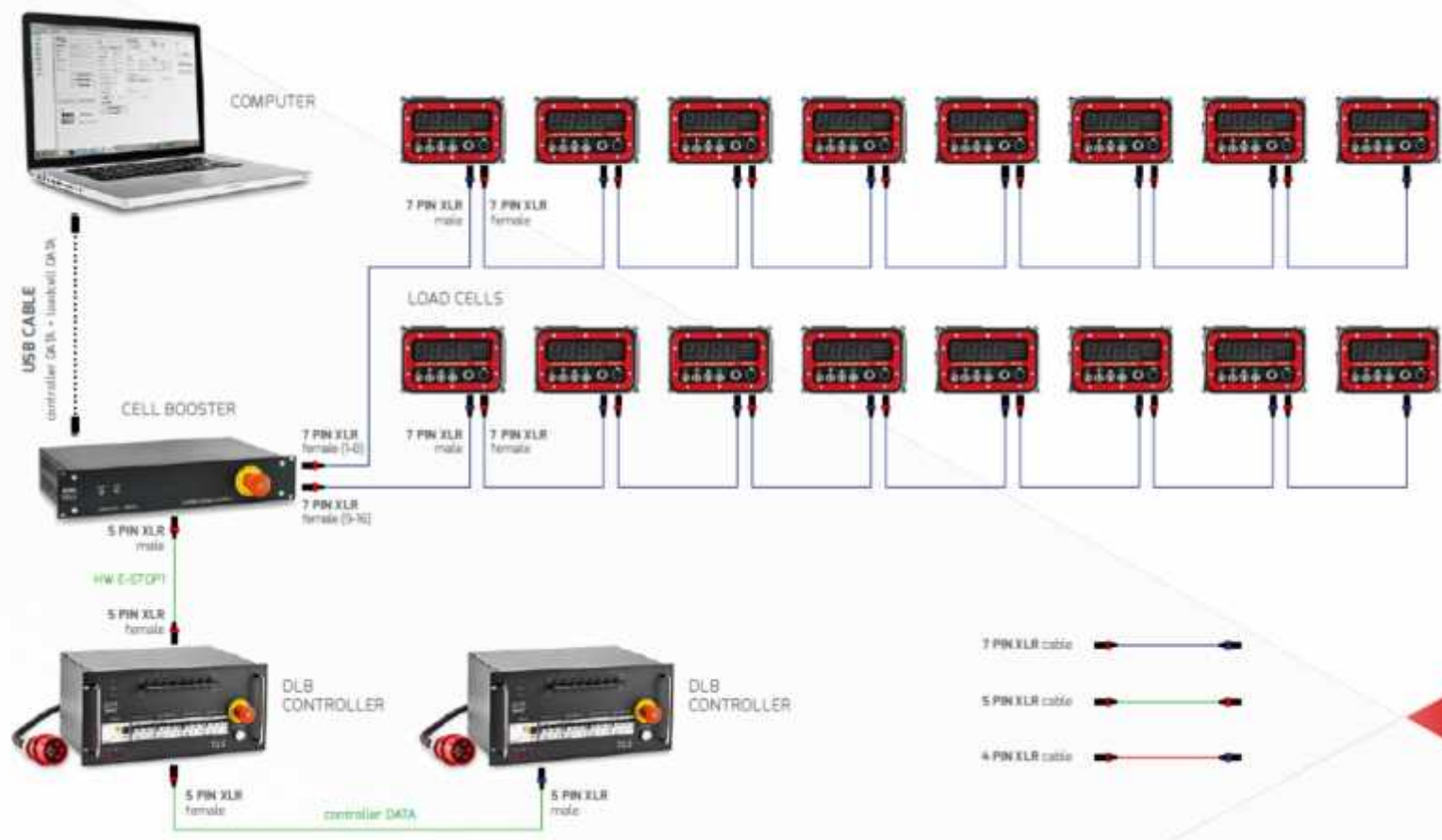


LC-CB16
CELL BOOSTER

LC-PRO CONFIGURATION EXAMPLE



16 LOAD CELLS





LC-PRO CONFIGURATION EXE-RISE COMPATIBILITY

**EXE
CELL**

DIRECT CONTROL	△ DB	 DB 1000kg/2205lbs DC	 DB 2000kg/4409lbs DC *
	□ DB+	 DB+ 600kg/1323lbs DC	 DB+ 800kg/1764lbs DC

LOW VOLTAGE CONTROL	△ DB	 DB 1000kg/2205lbs LVC	 DB 2000kg/4405lbs LVC *
	□ DB+	 DB+ 600kg/1323lbs LVC	 DB+ 1200kg/2646lbs LVC *

* With chain 7x22-mm.



LC-PRO CONFIGURATION

EXE
CELL



LC-PRO CONFIGURATION

EX3
CELL



EX3
TECHNOLOGY

LC-PRO CONFIGURATION



EX3
CELL



LC-NLP CONFIGURATION



T20A CELL SHAKLE



EXE-RISE
CHAIN HOIST



LC-NLP16
NETWORK LOAD PROCESSOR



LC-NLP SOFTWARE

LC-NLP CONFIGURATION COMPONENTS



T20A
CELL SHACKLE 7.5t



- High quality load cell sensors using advanced technology to measure tension forces in heavy load scenarios up to 7.5t.
- Designed to be used with standard shackles makes this system versatile and easy to use.
- To be used with NLP Software.

LC-PRO
SOFTWARE



NETWORK LOADCELL PROCESSOR SOFTWARE

is NLP Loadcell Shackle's powerful system load monitoring software. It is highly reliable and quick and easy to use; and is supplied included in the NLP16 package. It is possible to set both maximum (overload) and minimum (underload) load limits for each cell, plus the maximum and minimum warning levels.



LC-NLP CONFIGURATION COMPONENTS

EX3
CELL



LC-NLP16
NETWORK LOAD
PROCESSOR





LC-NLP CONFIGURATION COMPONENTS

EX3
CELL

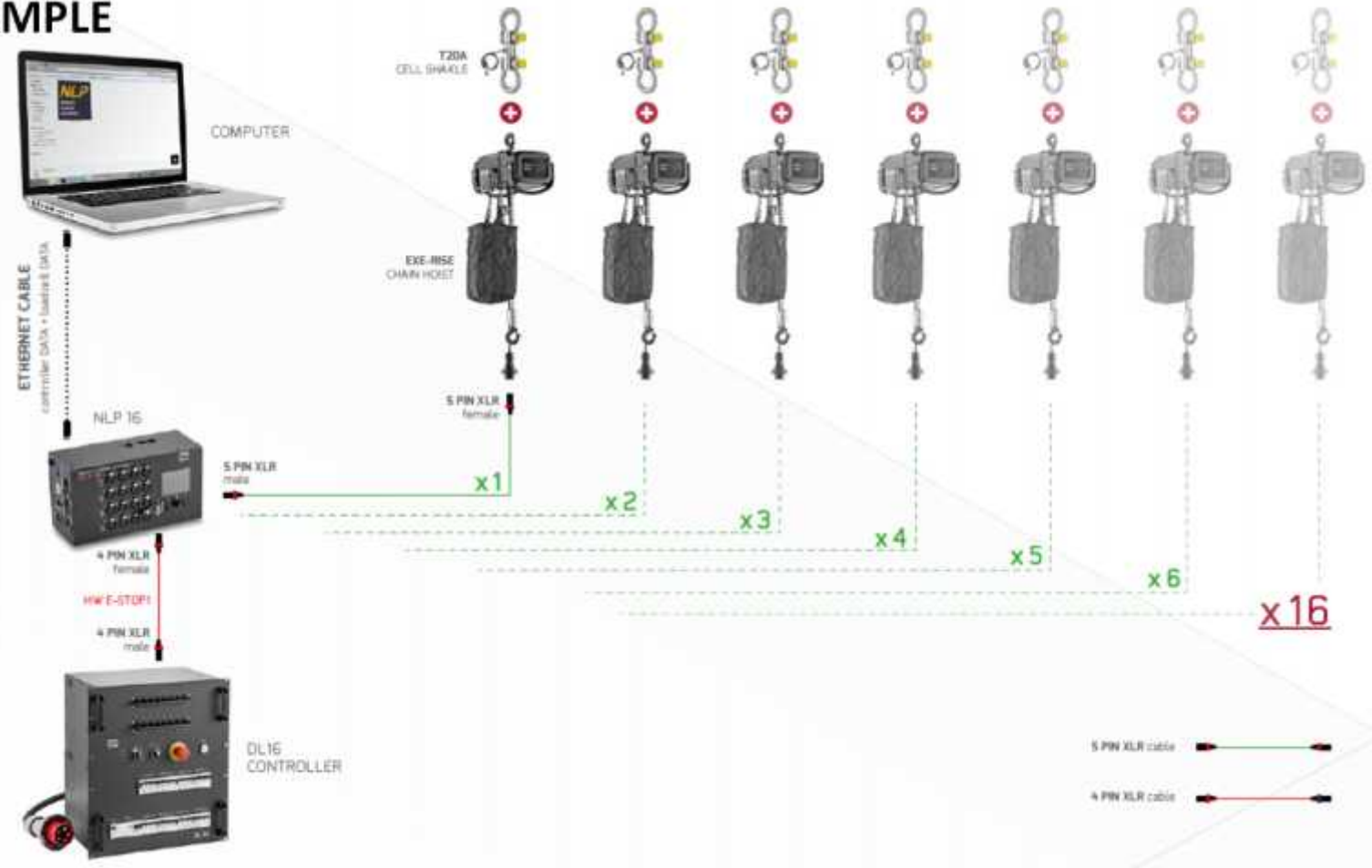


LC-NLP16
NETWORK LOAD
PROCESSOR

- The NLP16 is easy-to-use and user-friendly device developed by riggers.
- The NLP is a main unit that reads values from analog loadcell shackles with 4-20mA output and features the direct e-stop output for rigging systems.
- A front TFT color panel display allows the viewing of loads and groups without needing an external PC while the universal power supply allows the system to be used worldwide.
- The NLP can work as a fully independent part of rigging setup.



LC-NLP CONFIGURATION EXAMPLE





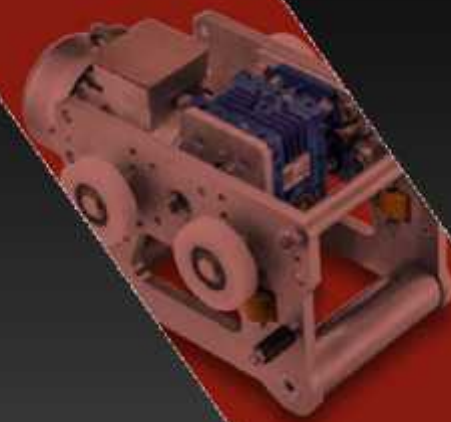
LC-NLP CONFIGURATION EXE-RISE COMPATIBILITY

EX3
CELL

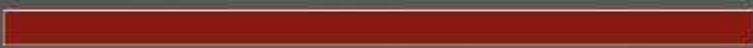
DIRECT CONTROL	△ DB	 DB 250kg/551lb DC	 DB 500kg/1102lb DC	 DB 1000kg/2205lb DC	 DB 2000kg/4409lb DC
	□ DB+	 DB+ 150kg/331lb DC	 DB+ 300kg/662lb DC	 DB+ 600kg/1323lb DC	 DB+ 800kg/1764lb DC

LOW VOLTAGE CONTROL	△ DB	 DB 250kg/551lb LVC	 DB 500kg/1102lb LVC	 DB 1000kg/2205lb LVC	 DB 2000kg/4409lb LVC
	□ DB+	 DB+ 150kg/331lb LVC	 DB+ 300kg/662lb LVC	 DB+ 500kg/1123lb LVC	 DB+ 800kg/1754lb LVC





EX3



DST

EX3
TECHNOLOGY

DYNAMIC STACK TRACKS



EX3
DST

TRUSSES

FLEXIBILITY STABILITY

The system can be used in various applications to **move**, **lift** and **turn** LED screens, scenery and projection screens for concerts and other events.

MOVE
HORIZONTAL



LIFT
VERTICAL



TURN
360° CONTINUOUS ROTATION



MODULES



DYNAMIC STACK TRACKS

EX3
DST

The system consists of a **52 stacking truss** provided with a double track and a foldable dolly. It is also available with a double track without a dolly.

**F
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E
S**

The system, which is modular and very easy to assemble, features a **motorised**, a slave and a rotation trolley (furnished with a fifth wheel).



EX3
TECHNOLOGY



DYNAMIC STACK TRACKS

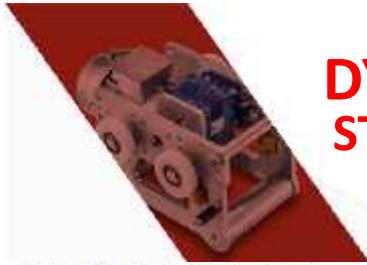


EX3
DST

**F
E
A
T
U
R
E
S**

- Stackable
- May be brought on the stage with their dolly, which folds upward without the need of being stored when the truss works
- Easily assembled with the trolley which can be mounted even before rigging activities
- Accessories can be used on straight and curved tracks
- All trolleys can run on straight and curved tracks
- They can be used in various applications to move, lift and turn LED screens, scenery and projectable panels, such as like concerts and other events in general



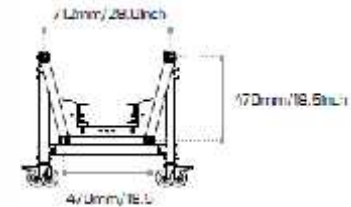
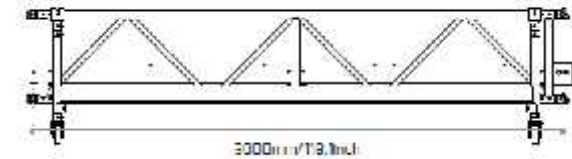


DYNAMIC STACK TRACKS STANDARD TRUSSES

EX3
DST

LOAD TABLE / FORK CONNECTION

SPAN m	UNIF. DISTRIBUTED LOAD			CENTRE POINT LOAD			THIRD POINT LOAD			QUARTER POINT LOAD			FIFTH POINT LOAD		
	point load kg/m	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm
4	1240	5240	2	4410	4410	4	1640	1640	14	1090	1090	13	907	907	14
6	725	4950	14	2180	2180	11	1640	3270	14	1090	3260	13	907	3630	14
9	315	2830	31	1420	1420	25	1070	2140	32	703	2120	30	551	2370	32
12	171	2050	56	1030	1030	45	777	1550	57	513	1540	53	423	1720	56
15	105	1570	87	784	784	71	587	1190	90	392	1180	83	323	1310	88
18	68	1230	125	616	616	104	472	945	130	303	924	120	253	1040	127
21	47	980	170	490	490	144	380	759	177	242	735	163	207	827	173
24	33	781	222	391	391	191	306	513	235	195	586	214	165	632	226
ft	lbs/ft	lbs	inch	lbs	lbs	inch	lbs	lbs	inch	lbs	lbs	inch	lbs	lbs	inch
9.8	183	1162	0.1	972	972	0.1	592	1662	0.1	288	1162	0.1	290	1162	0.1
5.7	467	9590	0.6	4806	4806	0.4	3616	7205	0.6	2403	7187	0.5	2000	8003	0.6
24.5	212	6749	1.2	4141	4141	1.0	2454	4714	1.4	1561	4674	1.2	1474	5725	1.4
14.4	115	4634	2.2	2271	2271	3.8	1714	4407	2.2	1151	4345	2.1	904	3072	2.2
49.2	71	3861	3.4	1728	1728	2.8	1316	2623	3.5	884	2601	3.3	725	2688	3.5
59.1	46	2712	4.9	1358	1358	4.1	1041	2063	5.1	673	2037	4.7	571	2283	5.1
69.9	32	2161	6.7	1080	1080	5.7	829	1673	7.0	542	1620	6.4	456	1823	6.9
78.7	22	1722	8.7	867	867	7.5	672	1391	9.2	447	1342	8.4	364	1494	8.4



CANTILEVER LOAD TABLE / FORK CONNECTION

SPAN	UNIFORM DISTRIBUTED LOAD			CENTRE POINT LOAD	
	q all	q all	defL	F all	defL
3m/9.84ft	385 kg/m	259 lb/ft	16 kg / 0.23inch	678 kg / 1274 lb	6 mm / 0.23inch
6m/19.7ft	86 kg/m	58 lb/ft	10 mm / 0.37inch	252 kg / 571 lb	23 mm / 0.91inch

The data listed in the above charts refer to the structural characteristics of the truss without the rail system modules.





DYNAMIC STACK TRACKS STANDARD TRUSSES



STK52R TRUSS



LITEC CODE	LENGHT (cm/Inch)	WEIGHT (kg/lbs)
STK52R100	100/39.4	38.0/83.0
STK52R150	150/59.1	51.0/112.4
STK52R300	300/118.1	88.6/194.2

STK52RT TRUSS



LITEC CODE	LENGHT (cm/Inch)	WEIGHT (kg/lbs)
STK52RT100	100/39.4	54.4/119.9
STK52RT150	150/59.1	68.9/154.1
STK52RT300	300/118.1	116.6/257.1

STK52RC TRUSS



LITEC CODE	LENGHT MIN (cm/Inch)	RADIUS MIN (cm)
STK52RC	=300/118.1	=400/157.5



DYNAMIC STACK TRACKS MODULES



MOTORISED TROLLEY



STK52MT	50 Hz
Self-weight	15.1 kg / 34 lbs
Load Capacity	600 kg / 1323 lbs
Speed	10.0 m/min / 33.4 ft/min
Power	0.25 kW
Volt	AC 230V
Amps	0.91 A

STK52MT3	50 Hz
Self-weight	15.5 kg / 34 lbs
Load Capacity	600 kg / 1323 lbs
Speed	20.0 m/min / 67.0 ft/min
Power	0.37 kW
Volt	AC 230V
Amps	1.05 A

MOTORISED ROTATION 360°



STK52MR3	50 Hz
Self-weight	30 kg / 66 lbs
Load Capacity	500 kg / 1104 lbs
Speed	1.65 mm
Power	0.25 kW
Volt	AC 230V
Amps	0.91 A

SLAVE TROLLEY



STK52MS	
Self-weight	7 kg / 15 lbs
Load Capacity	600 kg / 1323 lbs

CABLE CARRIAGE



STK52MC	
Self-weight	1.3 kg / 2.9 lbs
Load Capacity	100 kg / 220 lbs

CABLE CARRIAGE WITH HINGE



STK52MCH	
Self-weight	2.4 kg / 5.3 lbs
Load Capacity	100 kg / 220 lbs






DYNAMIC STACK TRACKS ACCESSORIES




**ROTATION ADAPTER TO
COUPLING
TROLLEY & SLAVE MODULE**


Libco Code STKS2MUK
DESCRIPTION ROTATION ADAPTER TO COUPLING FOR TROLLEY & SLAVE MODULE
WEIGHT 3.7 kg


KIT FOR KINESYS ELEVATION


Libco Code STKS2MUE
DESCRIPTION KIT FOR ELECTRONIC ELEMENTS (ROTATION AND TRANSLATION)
WEIGHT 0.9 kg


**KIT FOR KINESYS CONTROL
TROLLEY**


Libco Code STKS2MUK
DESCRIPTION KIT FOR ELECTRONIC ELEMENTS
WEIGHT 1.8 kg


**COUPLING TROLLEY &
ROTATION MODULE**


Libco Code STKS2MUR
DESCRIPTION COORDINATOR FOR STKS2MT, STKS2MR AND ELECTRONIC ELEMENTS
WEIGHT 8.6 kg

**COUPLING TROLLEY &
HOIST MODULE**


Libco Code STKS2MTH140
DESCRIPTION COUPLING FOR STKS2MT, HOIST AND ELECTRONIC ELEMENTS
WEIGHT 22.3 kg
OTHER IT CAN BE USED FOR HOIST LOADS


**COUPLING TROLLEY &
SLAVE MODULE**


Libco Code STKS2MT175
DESCRIPTION COUPLING FOR STKS2MT AND STKS2MS. IT IS USED TO HAVE A LOAD OF 1200kg
WEIGHT 32.8 kg
OTHER IT MUST USE STKS2MAR ALSO, FOR ROTATION

**KIT FOR KINESYS CONTROL
TROLLEY ENCODER**


Libco Code STKS2MKE
DESCRIPTION KIT FOR ELECTRONIC ELEMENTS (ROTATION AND TRANSLATION)
WEIGHT 0.3 kg

END STOP MODULE


Libco Code STKS2MES
DESCRIPTION END STOP MODULE FOR RAIL
WEIGHT 3.2 kg





DYNAMIC STACK TRACKS TECHNICAL DATA



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LT STK52MT	
50 Hz	
speed 10,17 m/min	
Ramp of acceleration or deceleration in second	Towing capacity [Kg]
1	1440**
2	1670**
3	1760**
4	1810**
5	1840**

LT STK52MT	
60 Hz	
speed 12,2 m/min	
Ramp of acceleration or deceleration in second	Towing capacity [Kg]
1	1150*
2	1360**
3	1450**
4	1500**
5	1530**

LT STK52MT3	
50 Hz	
speed 20,42 m/min	
Ramp of acceleration or deceleration in second	Towing capacity [Kg]
1	820*
2	1050*
3	1150*
4	1220*
5	1260*

LT STK52MT3	
60 Hz	
speed 24,41 m/min	
Ramp of acceleration or deceleration in second	Towing capacity [Kg]
1	630
2	840*
3	940*
4	990*
5	1030*

* to combine with a slave trolley (LT STK52MS)

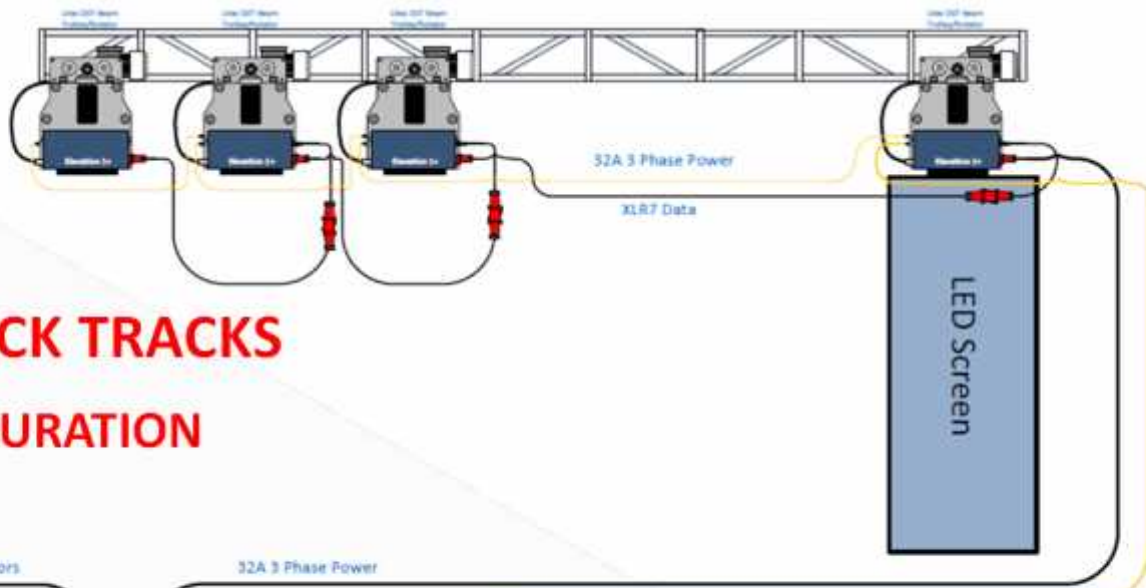
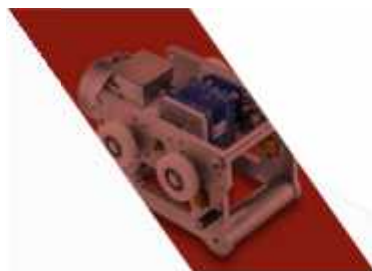


** to combine with two slave trolley (LT STK52MS)

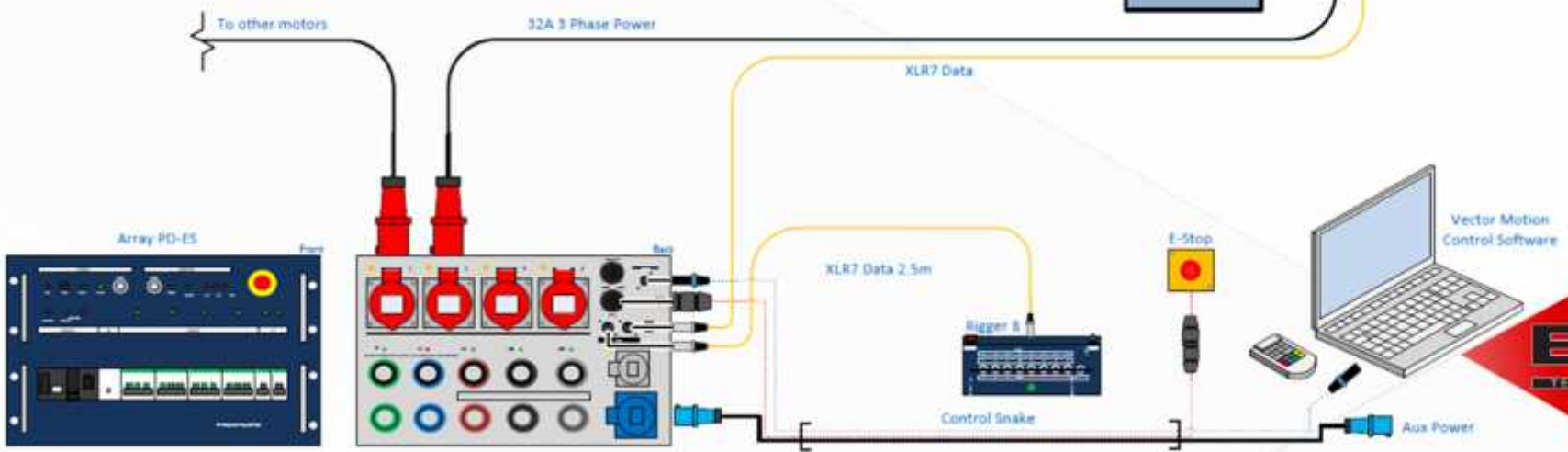


The load capacity of a single trolley (motorized or slave) is 630 kg



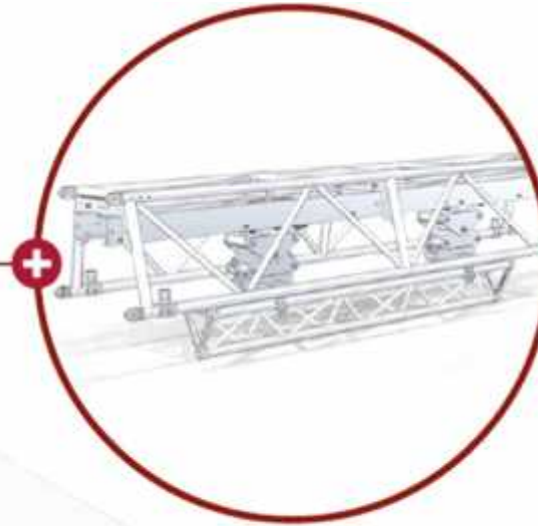
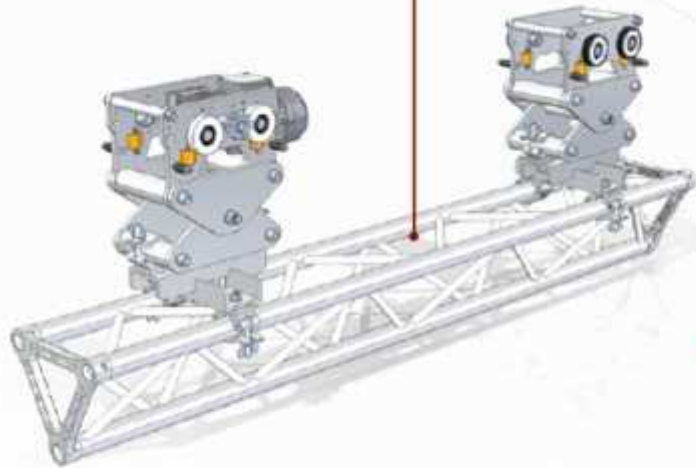


DYNAMIC STACK TRACKS
KINESYS CONFIGURATION





CONFIGURATION MOVE



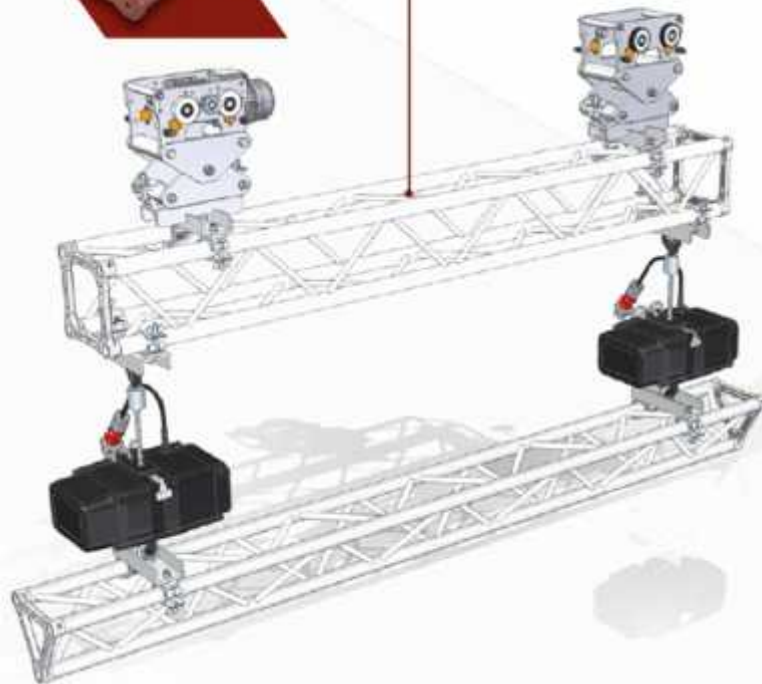
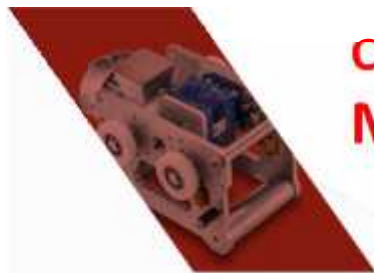
EX3
DST



- 1 - **STK52MT** MOTORISED TROLLEY MODULE
- 1 - **STK52MS** SLAVE TROLLEY MODULE
- 2 - **STK52-K013** HANGING KIT FOR STK52MS
- 2 - **C030Z5** DUOBLE BAR HOOK FOR TRUSS 30cm
- 1 - **TH30SA** (o **TX30SA**) TRIANGULAR TRUSS 30cm

EX3
TECHNOLOGY

CONFIGURATION MOVE & LIFT



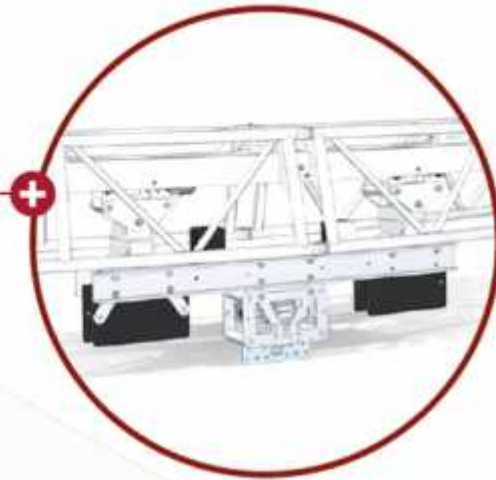
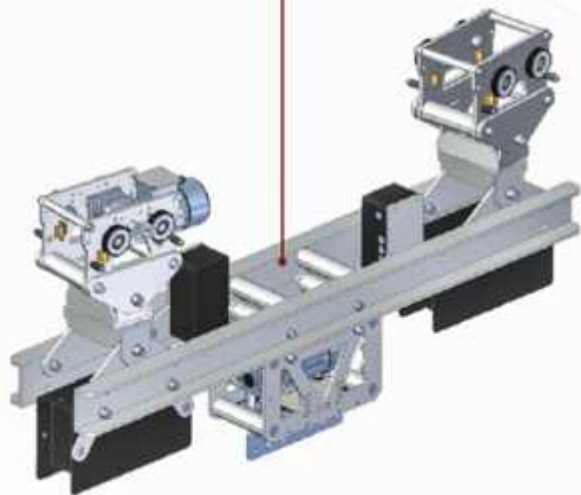
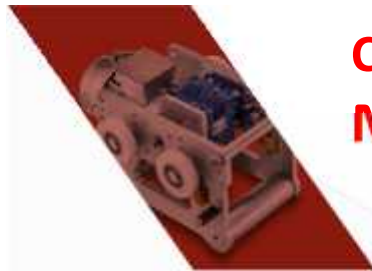
- ◆ 1 - **STK52MT** MOTORISED TROLLEY MODULE
- ◆ 1 - **STK52MS** SLAVE TROLLEY MODULE
- ◆ 2 - **STK52-K013** HANGING KIT FOR STK52MS
- ◆ 2 - **C030Z5** DUOBLE BAR HOOK FOR TRUSS 30cm
- ◆ 1 - **QH30SA** (o **QX30SA**) SQUARE TRUSS 30cm
- ◆ 4 - **C030** BAR HOOK FOR TRUSS 30cm
- ◆ 2 - **EXE-RISE CHAIN HOIST**
- ◆ 1 - **TH30SA** (o **TX30SA**) TRIANGULAR TRUSS 30cm

EXE
DST



EXE
TECHNOLOGY

CONFIGURATION MOVE & TURN



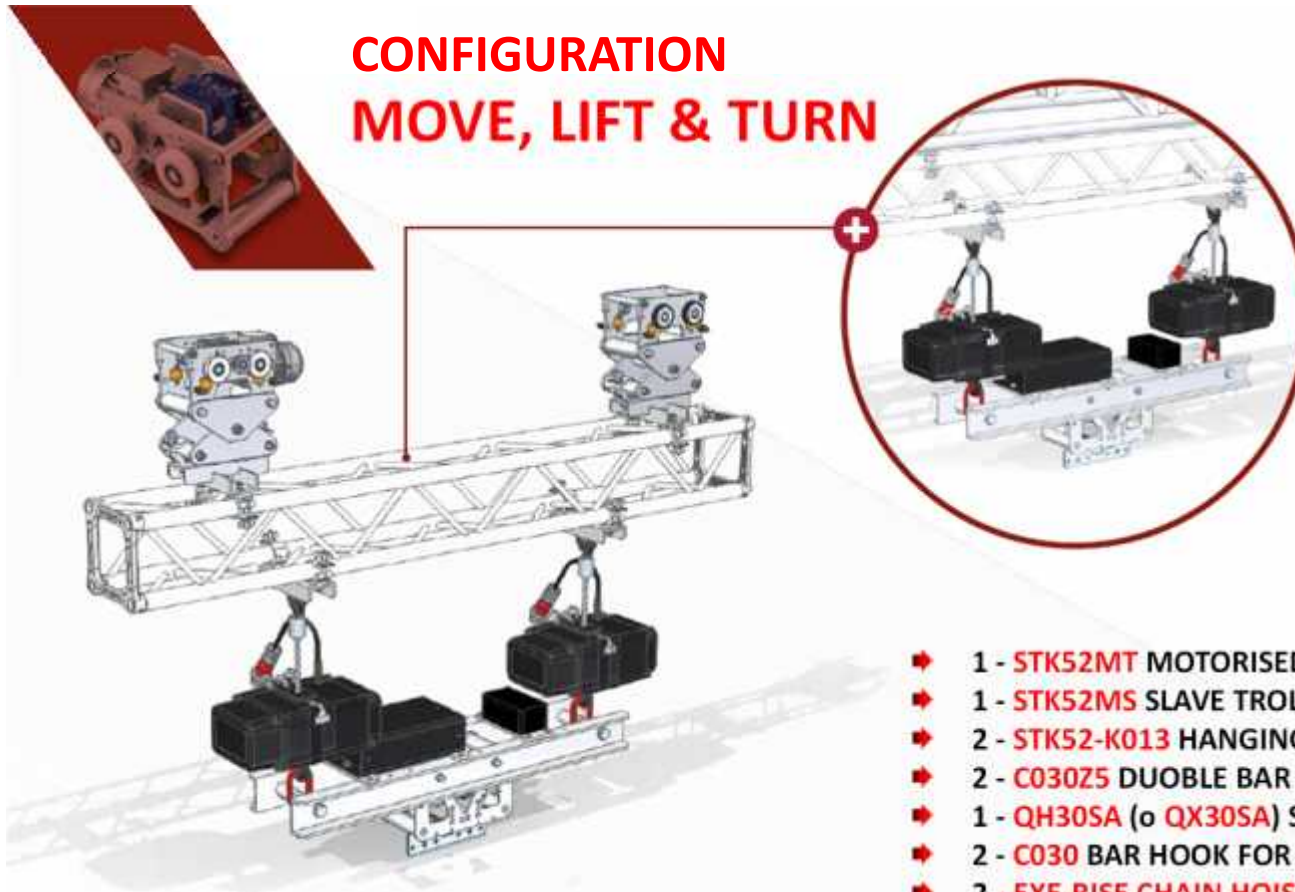
- ◆ 1 - **STK52MST175** COUPLING ELEMENTS
- ◆ 1 - **STK52MT** MOTORISED TROLLEY MODULE
- ◆ 1 - **STK52MS** SLAVE TROLLEY MODULE
- ◆ 1 - **STK52MR** ROTATION MODULE 360°
- ◆ 1 - **STK52MAR** ROTATION ADAPT

EX3
DST



EX3
TECHNOLOGY

CONFIGURATION MOVE, LIFT & TURN



- ◆ 1 - **STK52MT** MOTORISED TROLLEY MODULE
- ◆ 1 - **STK52MS** SLAVE TROLLEY MODULE
- ◆ 2 - **STK52-K013** HANGING KIT FOR STK52MS
- ◆ 2 - **C030Z5** DUOBLE BAR HOOK FOR TRUSS 30cm
- ◆ 1 - **QH30SA** (o **QX30SA**) SQUARE TRUSS 30cm
- ◆ 2 - **C030** BAR HOOK FOR TRUSS 30cm
- ◆ 2 - **EXE-RISE** CHAIN HOIST
- ◆ 1 - **STK52MR140Z1** COUPLING BAR FOR ROTATION MODULE
- ◆ 1 - **STK52MR3** ROTATION MODULE 360°

EXE
DST



EXE
TECHNOLOGY

Thank you for your attention!



EX3
TECHNOLOGY



EXE

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