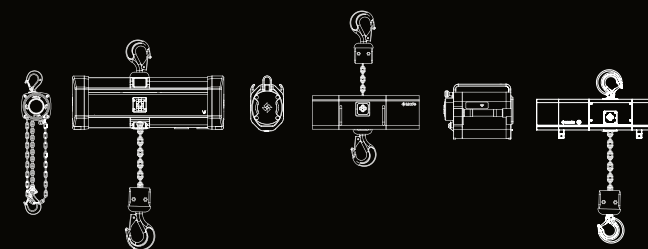




SOUNDTECHNIK

 +40 746 754 888
 contact@soundtechnik.ro
 www.soundtechnik.ro





> Chronicle

2007/09/21

Mode start from an internal and external battle
At that time, 90% of electric hoists in the lifting field depended on imports
Expensive, but no choice
Mode is determined to change
Taking technology as the foundation and innovation as the core competitiveness
Refuse to imitate, improve quality
Made in China is the persistent insistence of Mode's life

.....



SOUNDTECHNIK

SOUNDTECHNIK

Make lifting easier, make the world better, Made In China quality dream

● Years ago, when the trend of "made in China" became more and more popular, China's lifting industry was still in a quagmire - serious imitation, shoddy manufacturing, poor safety and quality and other problems emerged one after another, and it was heavily dependent on imports. Facing the embarrassment in the field of industrial hoists and the drive of family and country feelings, the Mode people are firm in their original aspirations and move forward with their heads held high. From a staggering start to ten years of perseverance, from the start-up of 3 people to the cooperation of hundreds of people, Mode leads the industry with a market share of 33% in the national hoist field and 60% of product exports. High-level Chinese technology officially debuted in the world.

It is because of their belief that Mode people meet the present of Mode.

> **Brand**
Chinese dream



Serving more than 8,000 users worldwide

● Mode China is the first manufacturer of stage electric hoists in China. Its products involve stage, industry, energy and other fields, and have been used in various world-class concerts, Beijing Olympics, the Belt and Road Forum, China National Games, wind power generation. It is a high-tech enterprise that can provide professional three-dimensional one-stop hoisting solutions.

Mode serves more than 8,000 customers at home and abroad, with footprints all over the world, 60% of the products are exported, and the international market share is gradually increasing.

We know that this is both trust and responsibility. In the face of more product needs of these users in the future, we must continue to evolve our products and lead the majority of users into a better era of lifting.

● 2021

Mode smart spider power ascender and the world's 1st wireless battery-driven hoist Free Hoist were launched.

● 2020

The M series hoists were officially delisted, and the 611 two-tonne was launched, opening a new chapter for industrial hoists.

● 2019

Jun 11th, 611 2nd generation was released on the market. Mode Center was established.

● 2018

Based on ten years of accumulation in the lifting industry, we will expand the field of life safety and enter the life safety service industry.

Released a new product - life safety product Mode Airfly, dedicated to promoting industrial products for civilian use.

Released a new product—the world's lightest hoist 611 first-generation hoist was launched, redefining the hoist industry, and realized the technological subversion that made the hoist revolutionary and lighter in the past century.

● 2017

M6-F released, widely serving the wind energy field.

Mode has fully passed the world TUV certification and successfully opened the European market.

Internet service team was established.

● 2016

The new generation of V6 intelligent hoist was released and landed in the European and North American markets. The V6 is also an intelligent safety integrated hoist made in China that enables two-way lifting for the first time in the global hoist field.

The intelligent multi-point control unit system was released. Relying on the real-time monitoring function of the load of the V6 hoist, a system that can adjust the speed of the hoist according to the load weight was developed, which greatly improved the synchronization and safety. And obtained a utility model patent. The hoist safety monitoring system is widely used to make lifting safer.

Mode products have fully passed the ISO 9001 quality management system certification, which has improved the quality of the Mode product line as a whole.

● 2015

Mode achieved a technological breakthrough and successfully completed the development of the world's first system with a built-in load monitor. Join hands with Italian top designer Abadu to jointly create the V6 intelligent hoist, and recreate the aesthetics of oriental products and machinery from an international perspective. The first domestic intelligent control system was released. After two years and countless design improvements and tests, the first intelligent control system was officially released, and the Mode hoist control system officially entered the intelligent era. The life safety department was established, and Mode entered a new field derived from "lifting" - life safety.

● 2007.9.21

Mode China was formally established. In the same year, Mode reached its first cooperation with Brazil's CSM Company, and the first transaction business in Mode's history was born, creating a new era in Mode's business history.

● 2008

For the first time, Mode products entered the service bird's nest, breaking the international monopoly and opening the sequence of cooperation with large domestic performers. In the same year, more than 50 channel dealers were laid nationwide.

● 2009

Mode has opened up new fields, entered the wind power market, and opened up a new pattern of domestic brands serving the wind power field.

● 2010

Mode has upgraded its products, successfully entered the field of automobile manufacturing services, and reached cooperation with international famous brands such as Great Wall, Dongfeng and BMW.

● 2011

Developed and successfully broke through the 45° new chain guide technology, effectively preventing the occurrence of hoist chain jamming, and escorted the safety of the stage performance industry again.

● 2012

The integrated lifting technology of the production line was completed, and a strategic cooperation was reached with Dr. Germany. Through the introduction of the application of the German doctoral automation system, the development of the advanced manufacturing industry has been accelerated, and a new pattern of the domestic lifting industry to high-end has been opened.

● 2013

Mode started the layout of the global business strategy, established the Cape Town office in South Africa, and set up the South African warehousing and logistics service center in Johannesburg.

The research and development of the intelligent control system was started. Mode selected well-known electrical and electronic manufacturers at home and abroad, and cooperated with Beijing Institute of Technology, marking that the domestic hoist control system is about to become intelligent.

● 2014

Mode independently designed and installed the whole process, and completed the comprehensive upgrade plan service project of the Shanghai Spain World Expo Pavilion with high quality, making the service of Mode more professional.

It has achieved strategic cooperation with CSR and Hunan Xiangdian Group, reached a long-term cooperation agreement and has cooperated so far, and gradually developed the wind power market, making Mode gradually occupy a place in the field of wind power.

Index

● 611series

- 611 electric chain hoist
- 611+ electric chain hoist with limit switch
- 611Pro suspension electric hoist
- 611Pro+ electric chain hoist
- 611 2T electric chain hoist

● V6smart chain hoist

- v6 chain hoist
- V6-R smart chain hoist
- V6-Show programming hoist

● Smart spider

● Free Hoist

● M1manual block

● Mode Myfly

● Controller

● Accessories

- Round sling, chain, flight case, chain bag etc.

● Case

● Partner

M1 manual block ●



● V6 electric chain hoist



Mode Myfly ●



● 611 electric hoist



611 2ton electric hoist ●



● Smart spider



Free Hoist ●



Coming soon

SOUNDTECHNIK



611 Series

611

- small, light, safe
- Suitable for lifting and construction in the stage field

611Pro

- Suitable for lifting and construction in the industrial field

611 2Ton

- The first 2 ton single chain electric hoist in the industry

Structural Analysis

Forged alloy steel hook



Hoist gear set

Brake PCB

● In 2019, Mode China redefines the hoist, successfully achieved "revolutionary lightening of the hoist", and developed the electric hoist with the smallest volume and weight in the world - the 611 master lightweight hoist.

Extremely

- 27kg, the smallest and lightest electric hoist in the industry

Safe

- The strength of the whole machine can reach 7.2 times the safety factor, the breaking force of the chain can reach 7.2 times, and the ultimate tensile force can reach 7.2 tons.

Protection class IP55,

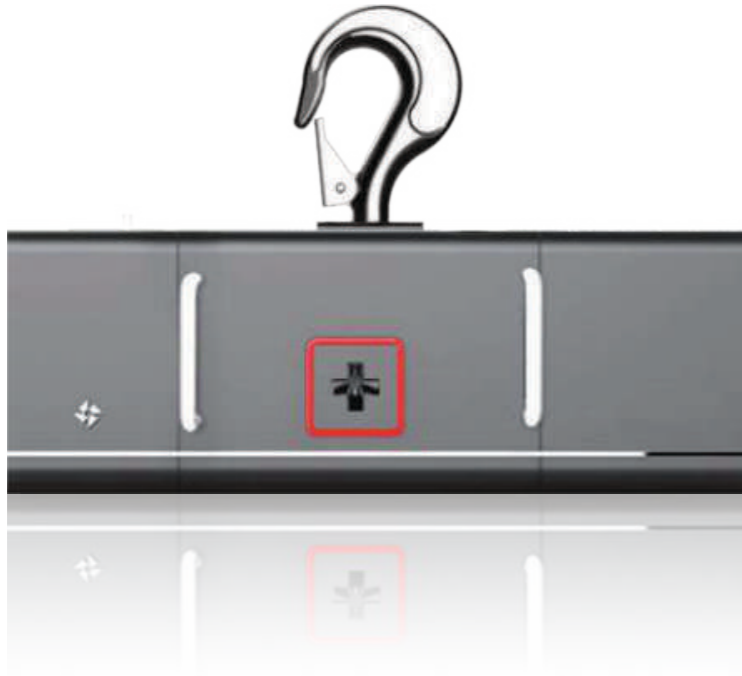
- It is truly waterproof and can be used in a variety of harsh environments.

Upgraded

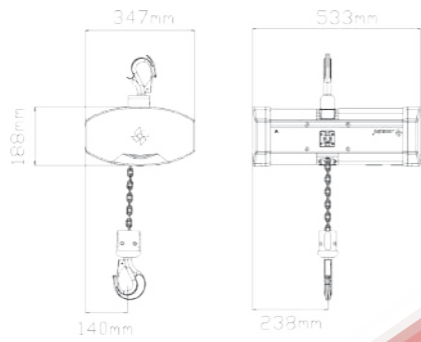
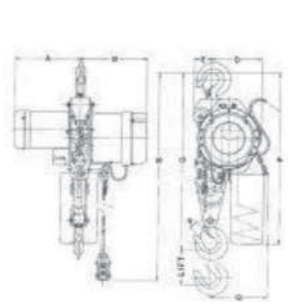
- The use of better friction material ratio and new impregnation process makes the brakes have better wear resistance and friction coefficient.

G80 Case Hardened Chain

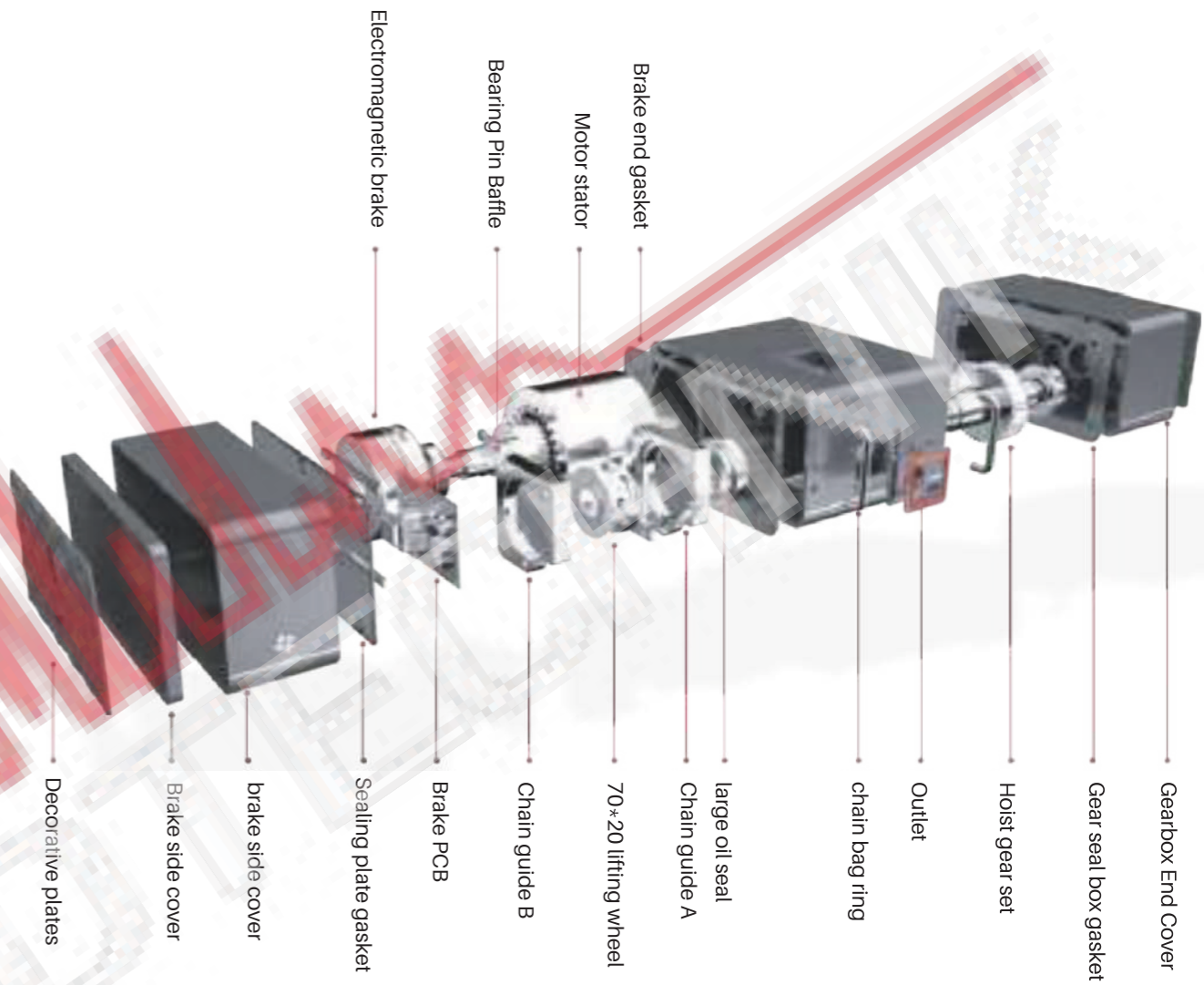
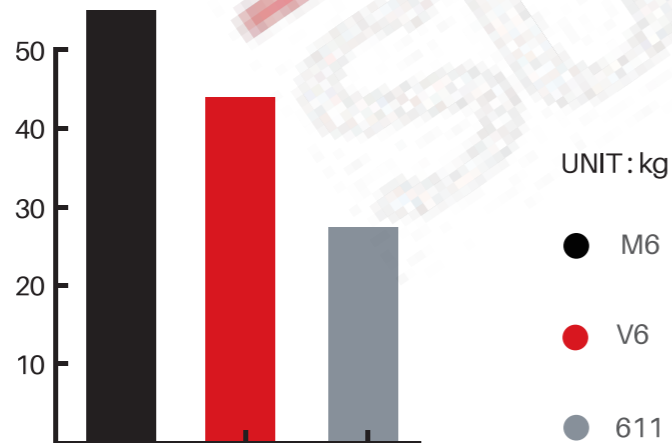
- Comply with German standard EN818.



● Volume comparison chart



● Overall weight



● technical parameter

Dimensions	400*257*140mm
Ultimate breaking force	7200kg
Lifting speed	4m/min
Chain specification	7*20mm
Lifting weight	1T
Weight	27kg
Protection class	IP55
Rated voltage	220/380/400/415V± 10%
Rated frequency	50HZ±5
Power	0.75kw
Work System	M3(ios)

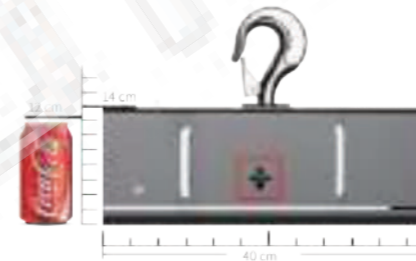
Smaller, lighter and Safer



● The collision of meticulous craftsmanship and quality, noble metallic silver meets Chinese red, with extraordinary temperament. Integrated fuselage design, the whole fuselage adopts seamless connection technology, and there is no screw outside the fuselage.

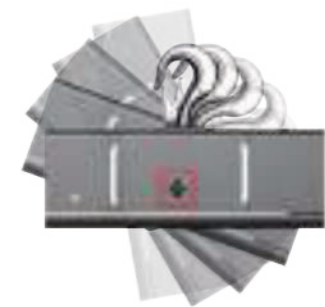
● The fuselage is made of aviation aluminum, and the overall weight is reduced by 20%. The weight of the new version of the 611 hoist is only 27KG.

 Net Weight
27.0kg



● This time, we not only broke through the inherent shape design of the original product, but also greatly reduced the size of the fuselage. The volume is only: 400x257x140mm

● The strength of the whole machine can reach 7.2 times the safety factor, and the ultimate tensile force can reach 7.2 tons. 300,000 braking experiments, the motor has passed the 1760V shock resistance test, and each chain has passed the 3.25 ton tensile test.



KEY FEATURES

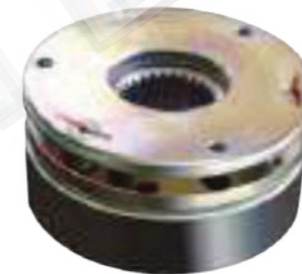
SOUNDTECHNIK

MODE



Special flightcase for 611

- Eucalyptus globulus multilayer is not easy to deform and has good moisture resistance. The surface paste honeycomb fire prevention board, the board surface has the honeycomb six square pattern grain and feel again, not only practical and beautiful.
- The flightcase chain bag is designed in an ergonomic way, the chain bag does not need to be dismantled, and the hoist chain packaging and transportation is integrated, which will reduce the manual collision, collision, less handling and other on-site mistakes, ease of organizing and finishing, and speed up the work progress.



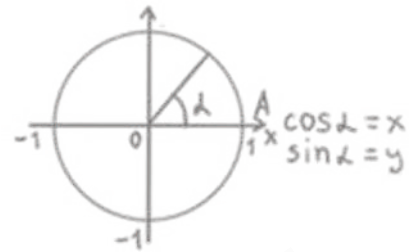
Latest brake

- After the new upgrade of the brake system, effectively avoid the phenomenon of brake adhesion, feel more secure when using. Single brake can be extended to double brake.

High precision gear up to 7

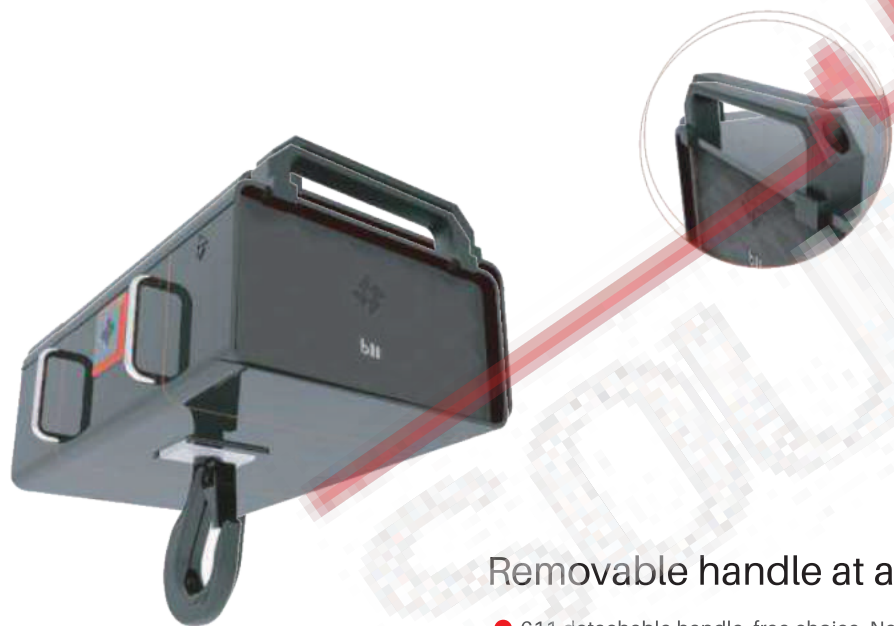
- The gear adopts high strength alloy steel, high precision, 7 - stage grinding process. Whole machine operation noise reduction, as low as 60 db.





45°chain guide

- The newly upgraded chain guide deconstructs and adopts the 45 degree natural Angle of the chain guide, which effectively avoids the phenomenon of stuck chain and makes it more secure.

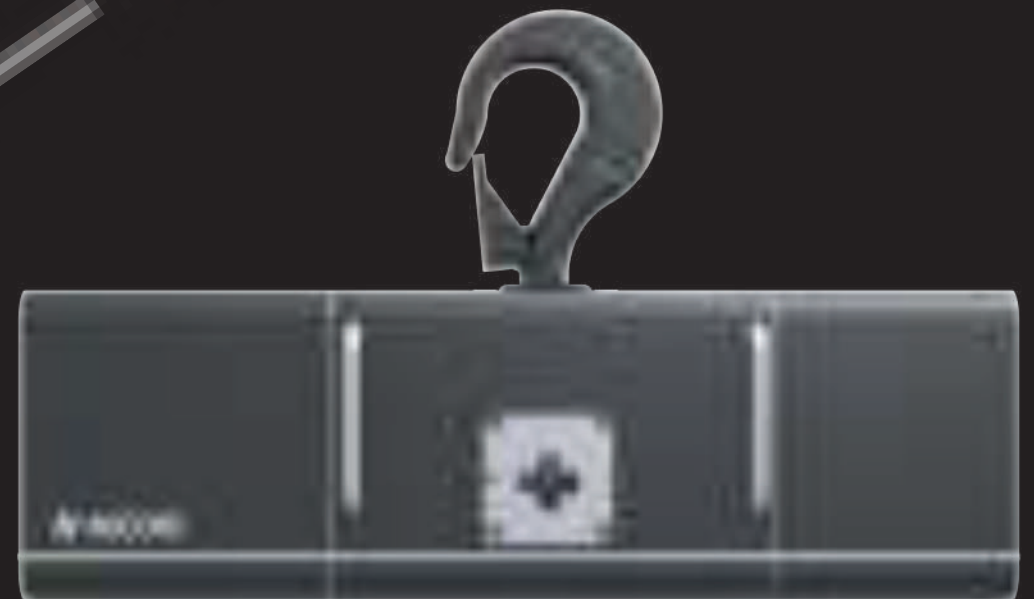


Removable handle at any time

- 611 detachable handle, free choice, New portability and flexibility ,more closer to your needs

> Configuration of 611Pro

SOUNDTECHNIK





Net weight **32kg**

New gearbox sealing process fear of

- From the original ordinary machine processing method, upgraded to precision geargrinding machine processing, New gearbox sealing technology, enhanced sealing, avoid the hidden danger of gearbox oil leakage.

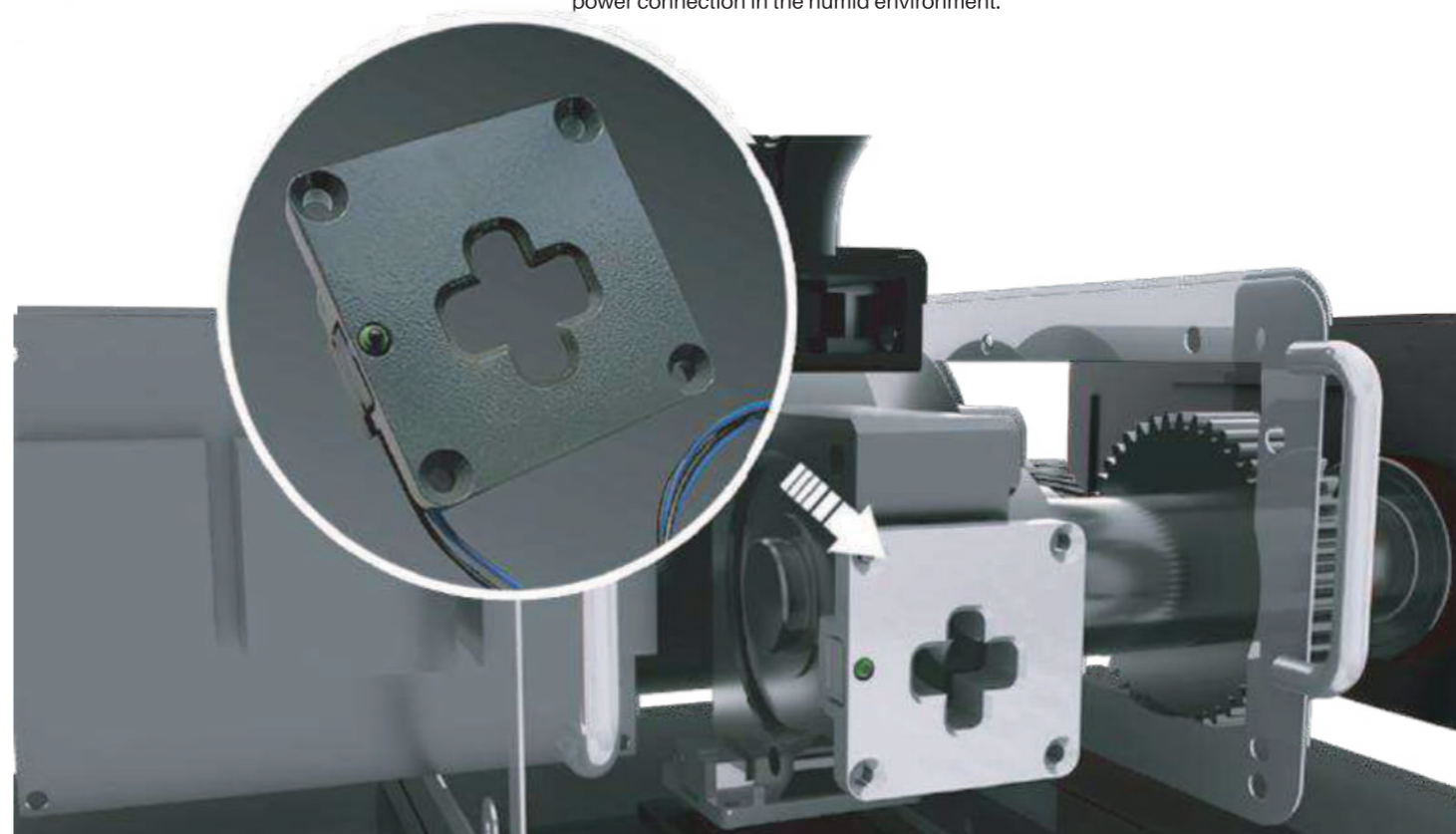
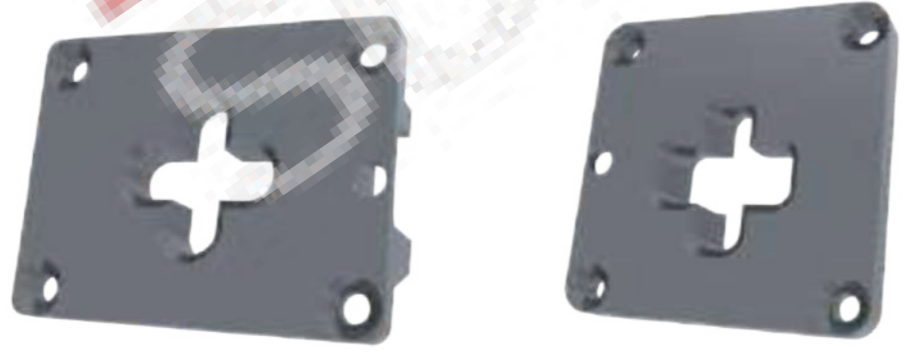


Adjustable electronic limit protection, more convenient

- Add adjustable upper and lower limit protection device, can realize the hoist stroke control, when the chain goes to the limit position, the hoist will automatically power off, hanging items more safe. 611pro uses precise micro limit switch, which has longer life and higher reliability, avoiding the vulnerable phenomenon of electric shock, rust and power connection in the humid environment.

High quality alloy steel chain feed plate, comparable to track steel hardness level

- The inlet and outlet chain plate is upgraded from the original aluminum alloy to high-quality alloy steel. The chain plate made of precision casting has higher mechanical strength and can reach the hardness standard of the steel used for orbit. The product is safer to use.



> Configuration of 611 2ton

Lifetime maintenance-free gear system no fear of time intrusion

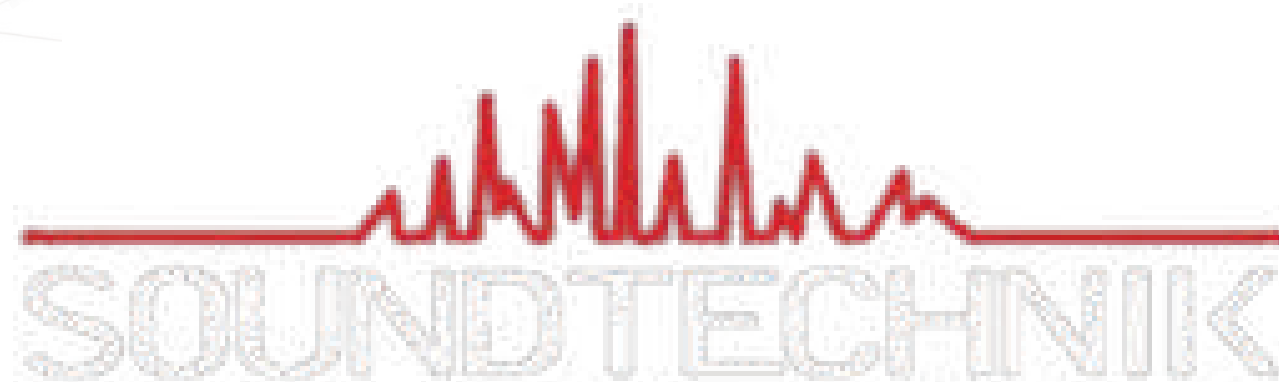
● It is designed and manufactured according to DIN780-1 standard of German standardization association. The multi-stage gear transmission system with spiral tooth shape can enjoy lifetime maintenance-free gear system.

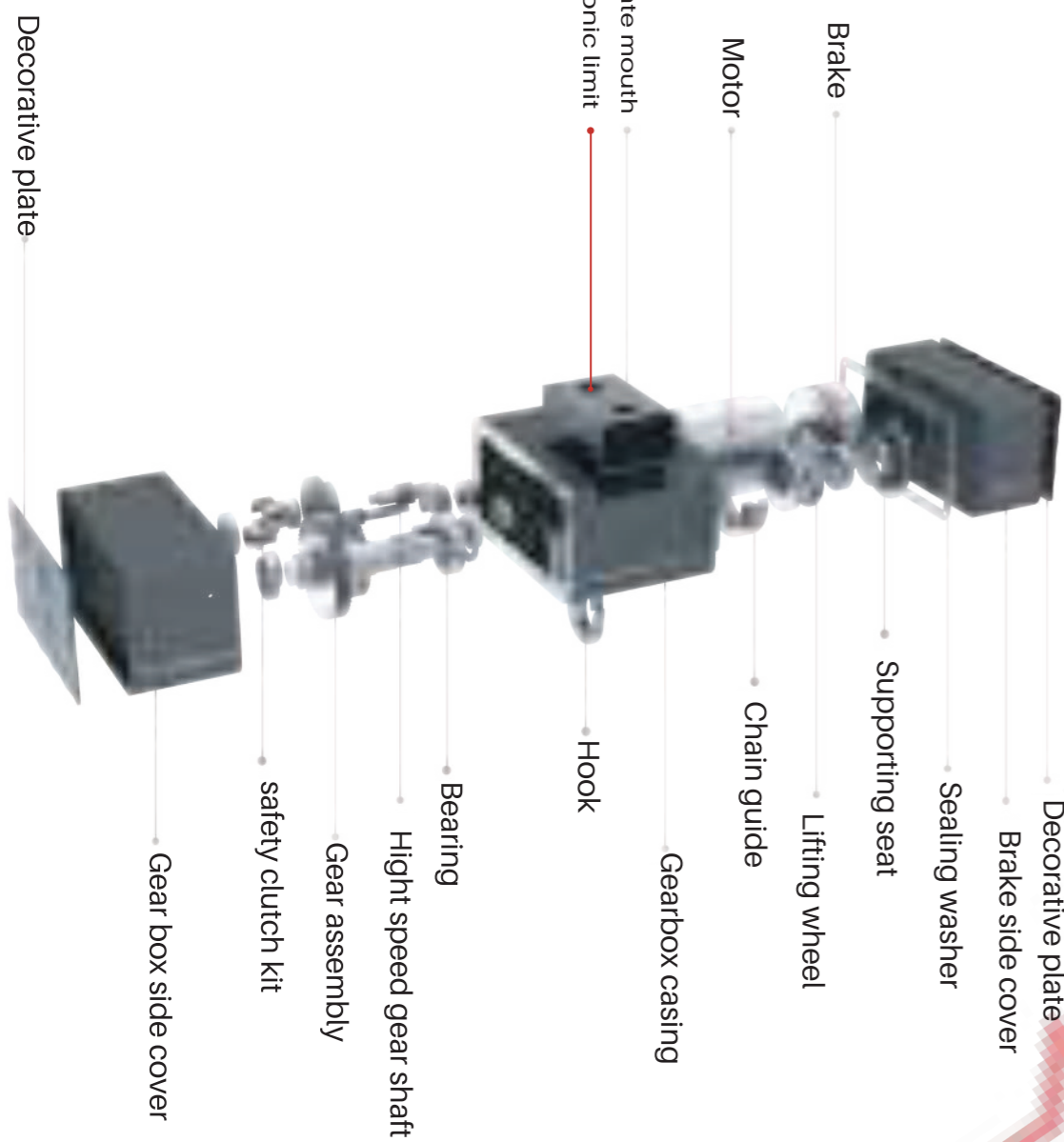


The noise is as low as 70 decibels, more efficient

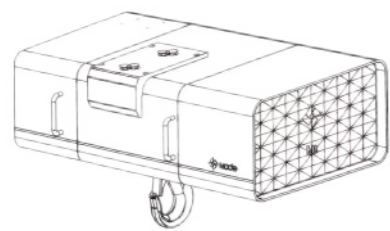
● The gear design adopts the same tooth profile structure of automobile gearbox. The spiral Angle of tooth shape is $8^{\circ}26'$ minutes.

● 611 2Ton single chain electric hoist

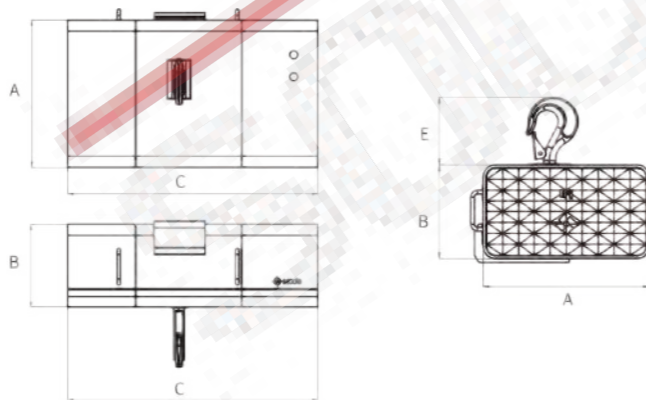




● Dimensions



A:338 B:190 C:575 D:336 E:137



More smaller

- This time, we not only break through the original two ton of products inherent appearance design, greatly reduce the volume of the fuselage.

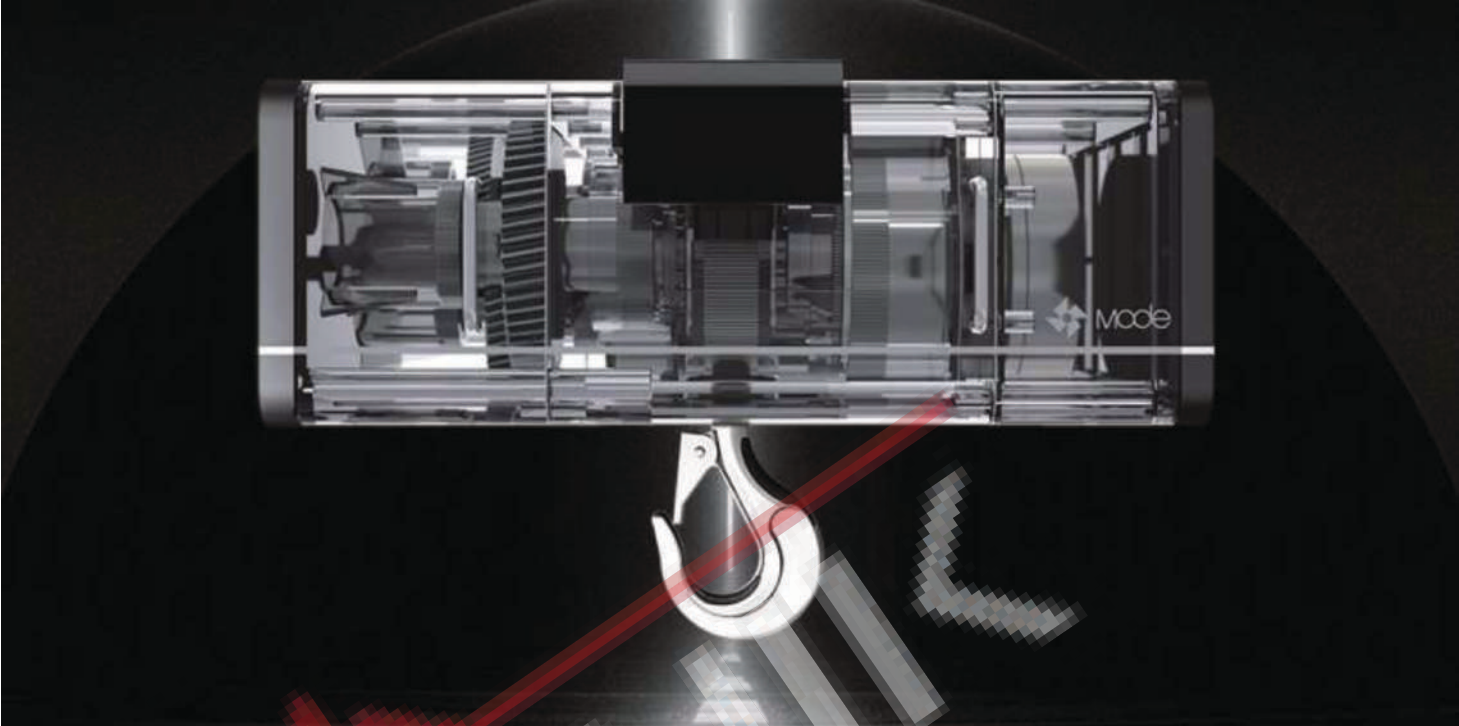
Single chain anti-winding

- Single chain design, effectively avoid the traditional 2 ton double chain hoist easy to intertwines the safety hidden danger, use more convenient storage. In addition, the lifting speed of the single-chain hoist is doubled and upgraded to 4m/min

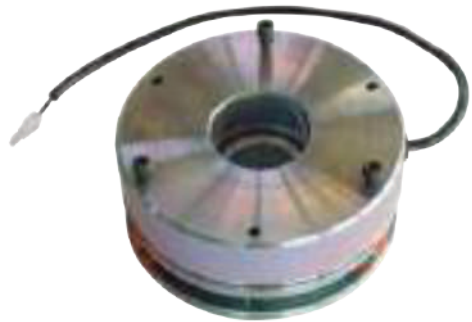


60 minutes full load continuous operation

- The magnetic field material and the body material with high flux rate are adopted to increase the power capacity of the motor and make the torque output more smooth and free. Under full load, the motor can run for 60 minutes continuously. Because the motor torque reserve force is sufficient, when lifting heavy objects, the speed is stable and light, performance is more comfortable.



New enhanced torque brake



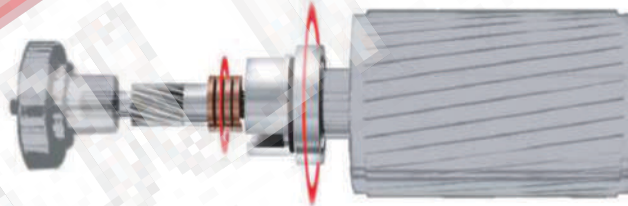
- The new enhanced torque brake adopts the loss of electric braking mode and 300000 times of life test, which effectively guarantees the safety of use and can realize life-long maintenance free.

611 series parameter configuration

Model Function	611-X	611	611+	611 2T	611Pro	611Pro+	611 D8	611 D8+	611Super
Dimensions(mm)	400*257*140	445*257*140	445*257*140	517*336*190	445*257*140	445*257*140	445*257*140	445*257*140	445*257*140
Ultimate breaking force	7200KG	7200KG	7200KG	12T	7200KG	7200KG	7200KG	7200KG	7200KG
Lifting speed	4m/min	4m/min	4m/min	4m/min	4m/min	4m/min	4m/min	4m/min	4m/min
Chain size	7*20mm	7*20mm	7*20mm	10*30mm	7*20mm	7*20mm	7*20mm	7*20mm	7*20mm
Lifting Capacity	1T	1T	1T	2T	1T	1T	1T	500kg	1T
Net weight	27KG	30KG	32KG	65KG	32KG	32KG	32KG	32KG	35KG
Protection level	IP55	IP55	IP54	IP55	IP54	IP54	IP54	IP54	IP54
Voltage	220-440	220-440	220-440	220-440	220-440	220-440	220-440	220-440	220-440
Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Output Power	0.75kw	0.75kw	0.75kw	1.5kw	0.75kw	0.75kw	0.75kw	0.75kw	0.75kw
Working grade	M3(ios)	M3(ios)	M3(ios)	M3(ios)	M3(ios)	M3(ios)	M3(ios)	M3(ios)	M3(ios)
Brake	Single	Double	Double	Double	Single	Double	Single	Double	Double
Limit switch			●	●	●	●	●	●	●
Overload protector				●			●	●	●
Build-in load sensor									●
Occasion of use	Touring events	Touring events	Touring events		Engineering program	Engineering program	Engineering program	Engineering program	Engineering program

Overload protection, more safety

- Equipped with a safety clutch assembly, the load can be automatically identified. When the heavy load is overloaded, the safety clutch can generate slippage through the friction mechanism, thus cutting of the torque transfer between the electric motor box and the gearbox, realizing overload protection





Built-in
Load Cell

SOUNDTECHNIK

Stage

Lifting with Data
Safety Guard



V6 Series

V6

- V6smart chain hoist

V6-R

- V6chain hoist

V6-Show

- V6-Show programming hoist

> Configuration

of V6 Smart Hoist



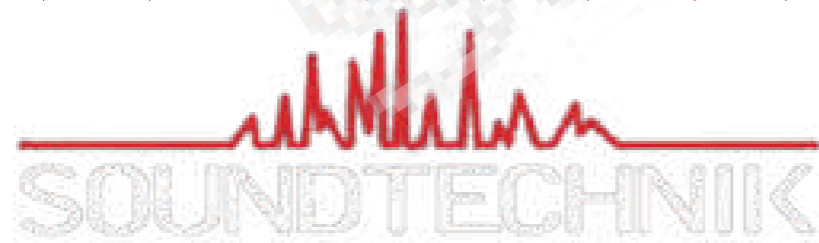
V6 as a new generation of electric hoist, in addition to having consistent stability and safety, and redesigned in the fuselage and structure, and has not been a good solution to the load monitoring application program seamlessly embedded into the fuselage, so that this function has become built-in. And the new generation of intelligent loop chain electric hoist V6 has a variety of customized specifications, can fully meet the needs of different application scenarios.

Function difference

V6	V6pro+
Load monitor	Load monitor
Load limit protector :	Load limit protector :
Double electromagnetic brake	Double electromagnetic brake
Current induction brake	Current induction brake
Overload clutch protection	Time programming
Motor phase loss protection	Overload clutch protection
Speed: 4m/min	Motor phase loss protection
	Speed: 4m/min Limit switch

Technical parameters

Lifting capacity (T)	Power 50Hz(Kw)	Rated voltage (V)	Lifting speed 50Hz(M/min)	Load test (T)	chain size		Protection class	Net weight (kg)
					Size(mm)	chain quantity		
1.0	0.9	220/415-3PH	4	1.25	7*20	1	IP55	44.4
2.0	0.9	220/415-3PH	2	2.50	7*20	2	IP55	44.6



KEY FEATURES



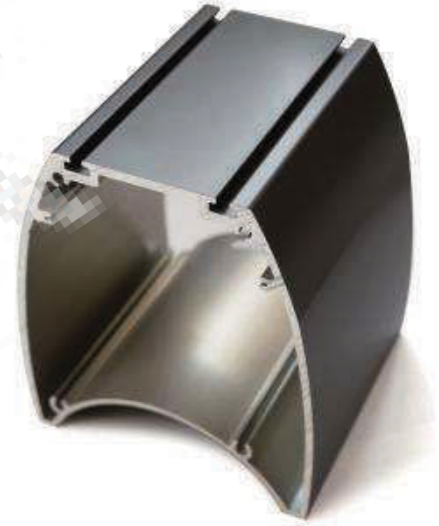


Integrated body design

● In the aspect of structural design, we break through the traditional design for the first time, adopt the whole design, make the hoist more lightweight.

Fluorocarbon coating , aviation aluminum Material,IP55 protection class

● With teflon-class coating and the use of aviation aluminum, we achieved the IP55 protection level and significantly reduced the body weight .



IP55



Built-in Load Monitoring

● For the first time, the internal support of load monitoring is provided in the fuselage, making every lift more descent and accurate. In multi-point lift operation, it is easier to control, truly considering engineering safety

3rd generation 45 degree chain guide, avoid chain sticking

● After two generations of chain guide design upgrade, the 3rd generation of 45 degree chain guide, more smooth, to minimize the chain sticking



Lifetime maintenance-free oil bath lubrication system

● The gearbox adopts an oil bath lubrication system, which can be Lifetime maintenance free



Double brake system

● V6 series brakes adopt the dual electromagnetic brake synchronous, enhance the safety and stability of the hoist. The biggest advantage of the dual brake system is that the two complete and independent brake systems,not only reduce the risk of brake failure, but also enhance brake safety, and conducive to the heat dissipation of the hoist

Hidden handle design, easier to carry

● We have redesigned the handle of hoist to make it easy to carry in actual use, and the hidden lifting design allows us to maintain the body integrity, and the aspect is more integrated and convenient to use.



Supports multiple access

● Traditional power connector : can be used for V6-R and 611 series and other power supply.

Heavy-duty intelligent group control connector: for V6 dedicated 8-way group controller to achieve intelligent control

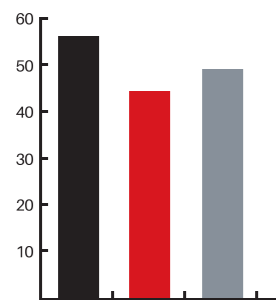


Forge alloy steel hooks

● 7.6 times breaking force, with protective cover design, to ensure the strength of using, and safety of users



Hoist weight comparison



Unit : kg

● Steel

● Aviation aluminum

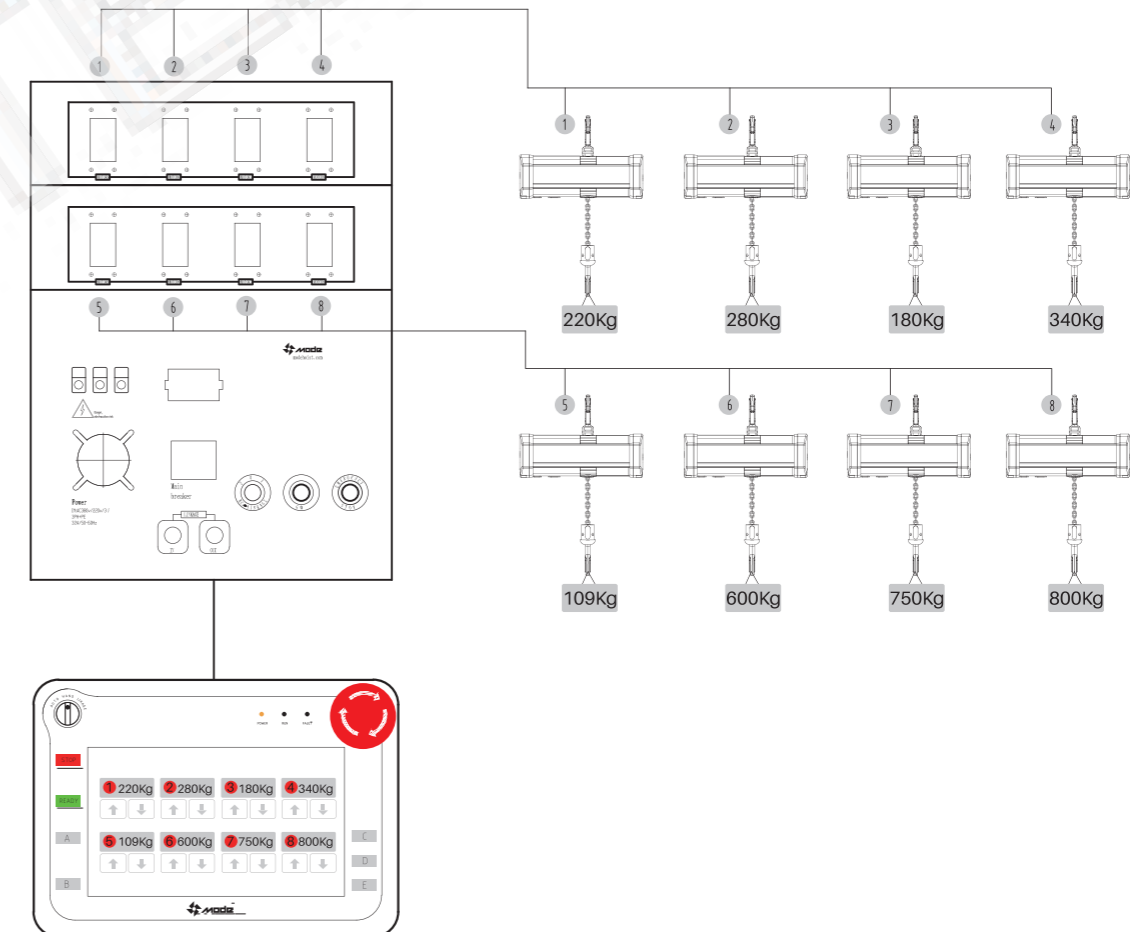
● Non-aviation aluminum

8

8ways V6 hoists Intelligent linkage control

● In the past group control environment, we can only control multiple hoists, but it will occur many problems such as poor synchronization. The real-time load of each hoist point can only be judged by the experience of the operator, which is highly depending on the operator's operating experience, so we hope to bring a revolutionary group control device that can show the real-time synchronous of the loading through V6 built-in load monitor.

● By control device with a screen display, we can achieve real-time display of the load data of multiple lifting points, which brings great significance for multi-task lifting, higher safety, and much easier of using

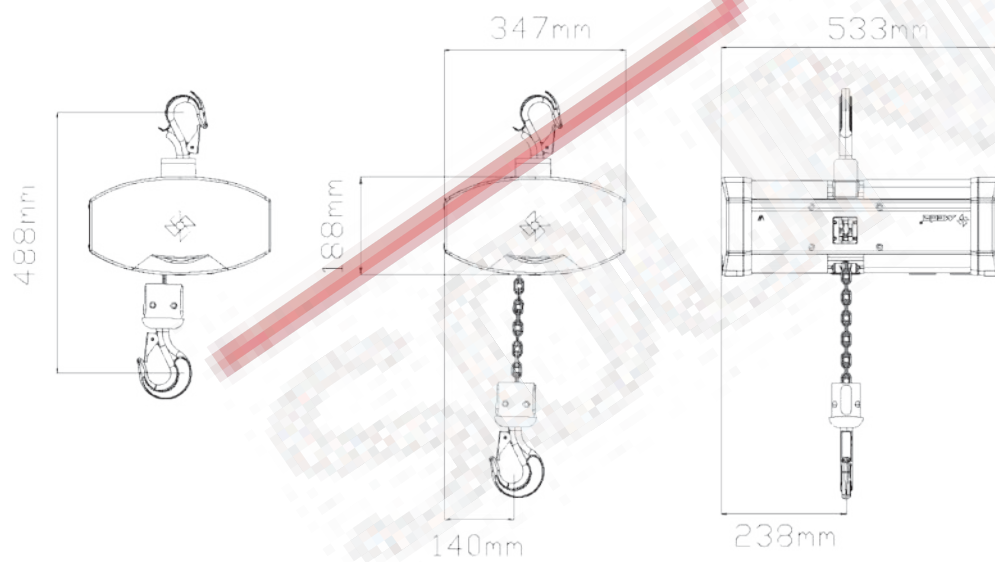


SOUNDTECHNIK

FUNCTION



● Dimension



> Configuration of V6 Show Smart Hoist



- dual electromagnetic brake
- built-in loading sensor
- Repetitive position precision in 0.1mm
- D8+ safety standard
- 10 times braking force

• V6-Show Control Panel

Model: MK7-64P
 Cable specifications: Super Cat6 double shielded network cable/3*1 mm² power cable
 Input voltage: 220-415V, single phase, 1.0KW Power
 Plug specifications: RJ45/2P/3P/USB aviation connector
 Size: 800*600*360mm
 Net weight: 30Kg
 Display screen: 17 inch, 1920*1280 resolution
 Keys Function: emergency stop, reset, key access, rocker switch



• Hoist drive box

Model: MD8-1P
 Manual up and down buttons: Yes
 Emergency stop and reset buttons: Yes
 3 Colors light for running error showing
 Fixing method: light hook 48-51mm
 Plug specification: RJ45/4P industrial plug/20P heavy
 Size: 510*360*170mm
 Net weight: 18Kg



• 32A Power box

Model: MF9-1 to 6 multi box 32A
 Emergency stop main power: No
 Fixing method: light hook 48-51mm
 Plug specification: 32A/16A industrial plug
 Size: 480*210*150mm
 Net weight: 5Kg



• 100A Power box

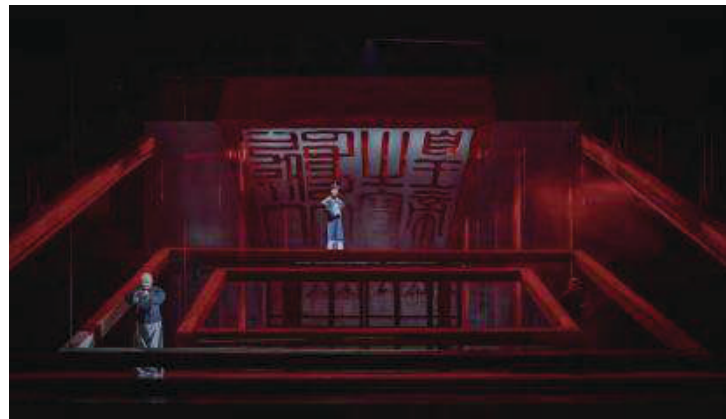
Model: MF9-1 to 6 multi box 100A
 Emergency stop main power: Yes
 Fixing method: light hook 48-51mm
 Plug specification: 63A/32A industrial plug
 Size: 480*240*170mm
 Net weight: 6Kg



Technical parameters

Capacity(kg)	500	Body weight(kg)	45
Speed(m/min)	0-16	Chains	1
Chain size(mm)	7*20	Connector (pin)	24P Heavy duty
Body size(mm)	660*347*365	Motor power(kw)	2.5
Chain weight(kg/m)	1.1		

Why V6 Show programming hoist



time-position
time-speed
position-speed
variety of programming
Arbitrary combination of patterns

Customize group control
Round angle algorithm control
Makes the programming more simple and fast

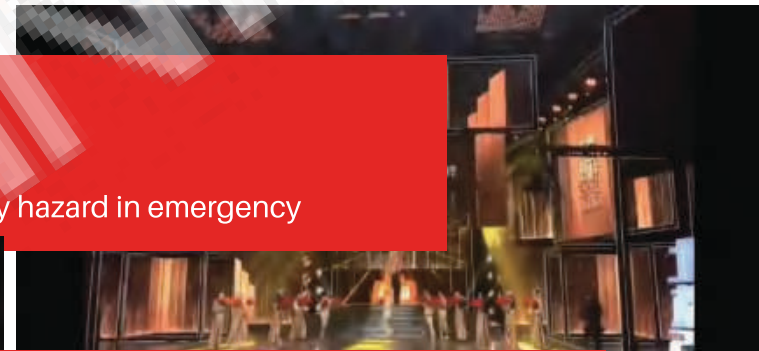


One key save scene position

Built in absolute position encoder,
save the position even power been
cut off, position accuracy 0.1mm



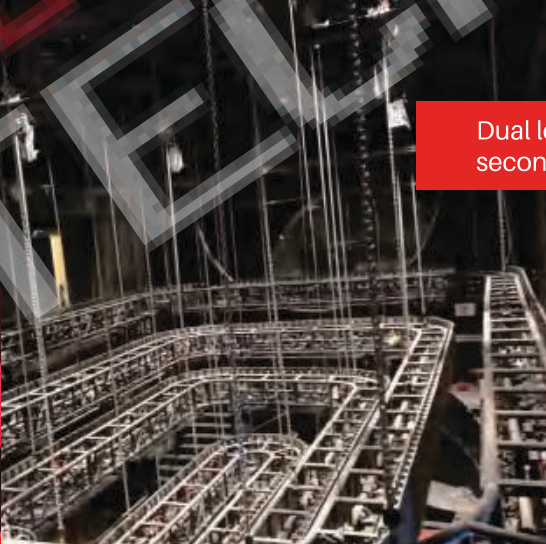
Overload/no-load protector
Hardware/software position limiter
Program parameter protect
Significant avoid misoperation and safety hazard in emergency



Dual level emergency stop, first level stop program,
second level stop main power which is more safe



No limits for program quantity, customize scene project names

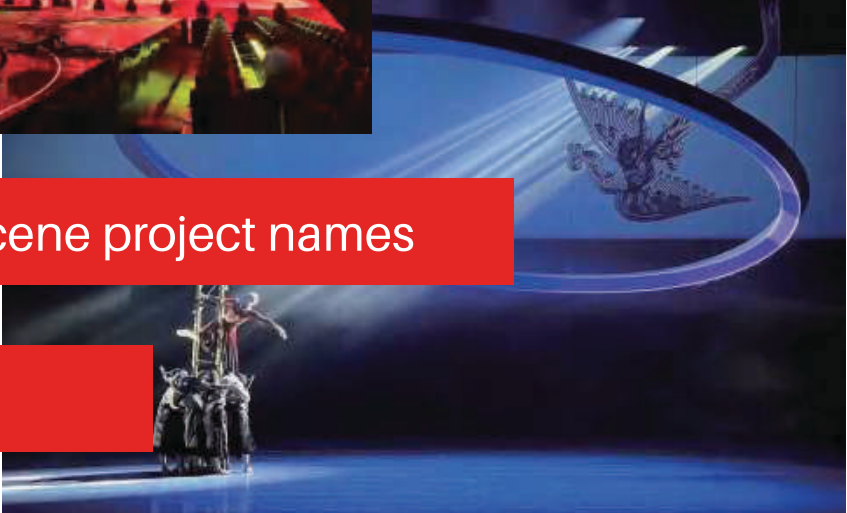


Vector-based servo motor constant torque,
0 speed hovering



Support U disk save program file,
import control panel

Support Chinese, English, Russian,
Spanish, Korean, Japanese Fast switching



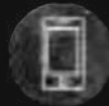
Smart Spider Powered Ascender

Fast Charging

Longer working life



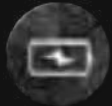
POWERFUL MOTOR



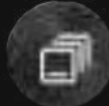
APP CONTROL



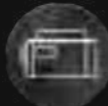
CHANGEABLE SPEED CONTROL



FAST CHARGING



MULTIPLE APPLICATION SCENARIOS



SUPER DURABLE OUTER CASE



Application scenarios

Multi core function



Height access

Wind turbine/blade maintenance

Power overhaul

Rescue & search

Bridge examine

Skyscraper maintain



Building exterior wall repairing

Building façade cleaning



Stage construction

Offshore service

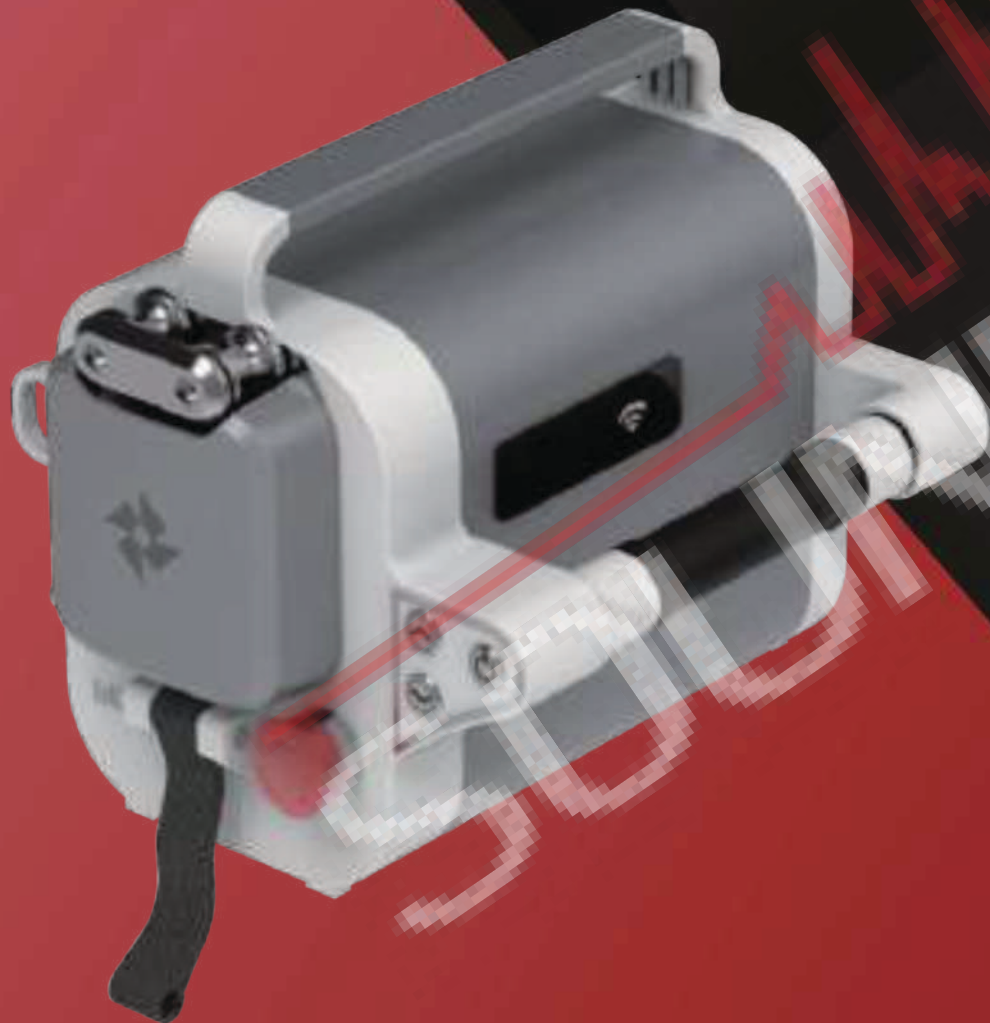
Industrial service

Tree maintenance



Light alloy material cover
Hard-wearing
durable life

Aerospace light alloy material manufactured
safety & comfortable to use
Smooth feeling



14.3KG
WEIGHT

MODE ENERGY BLOCK

Self-developed Mode energy power management system

- Power charge and discharge protection
- Undervoltage, over current, over discharge, short circuit protection
- High temperature and low temperature active protection function

200KG

MAXIMUM LOADING

330M

MAXIMUM CLIMBING DISTANCE

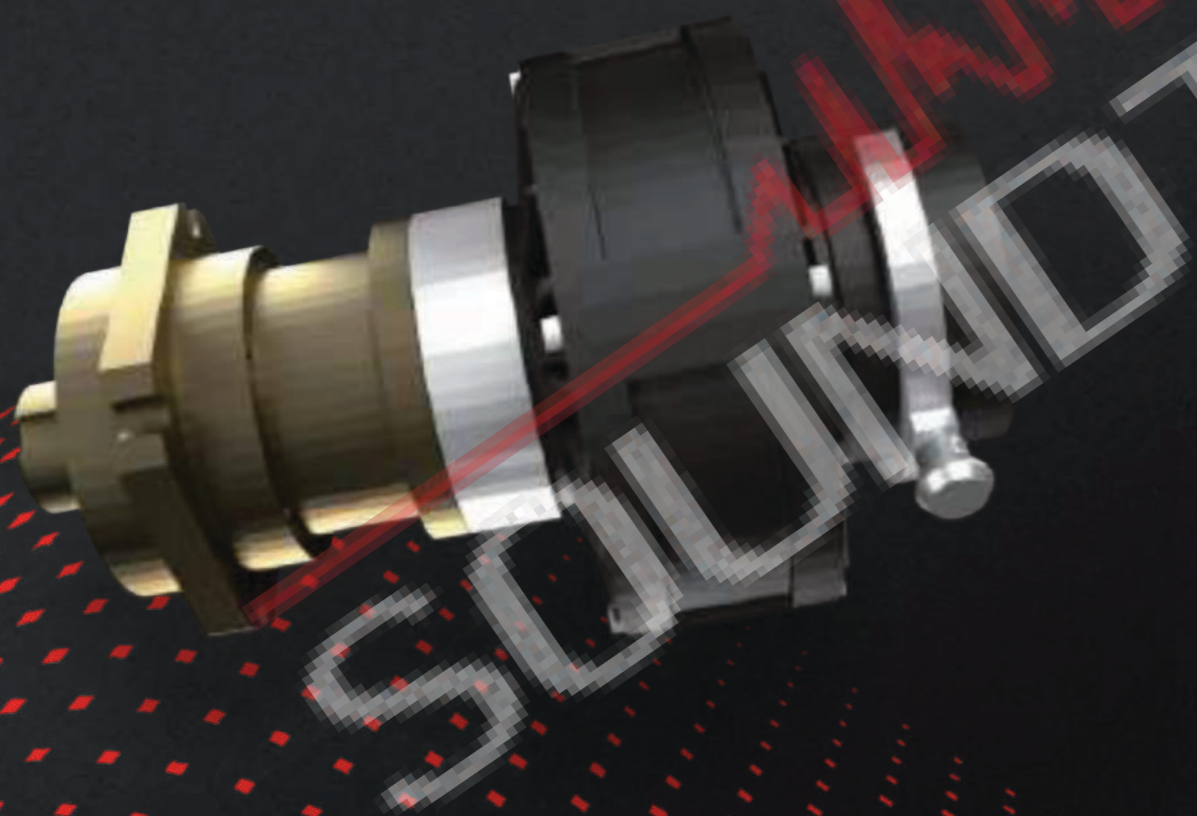


POWER GENERATE SYSTEM

Mode permanent magnet motor with multi-level planetary gear transmission mechanism

Powerful Motor brings the constant torque, low heat, accurate speed control

multi-stage planetary gear brings the large speed ratio in small volume, high pulling torque

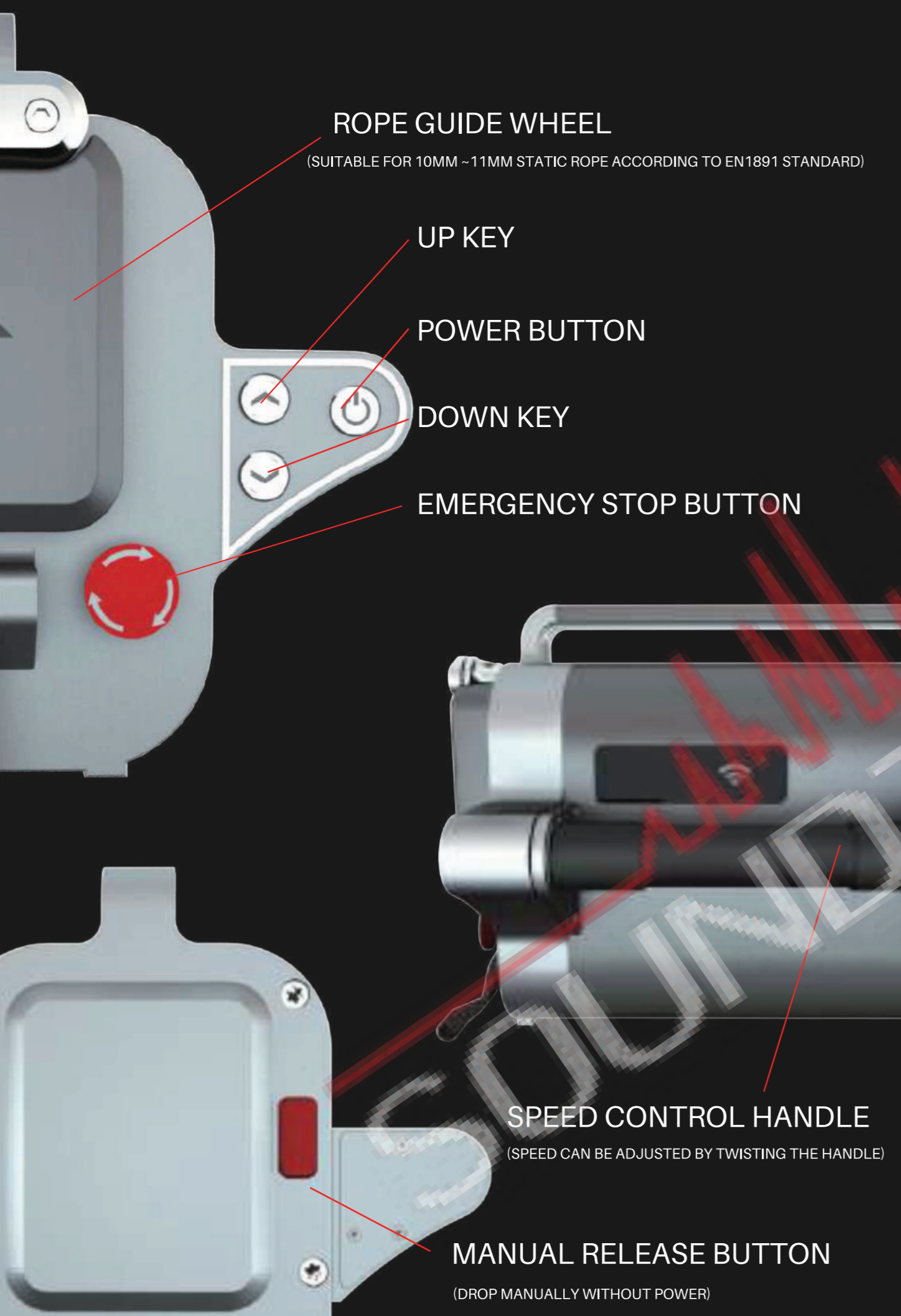


UP AND DOWN

ONE KEY UP-DOWN EMERGENCY STOP

- Stepless speed control handle
- Multi-point connection for anti-falling harness or holding stuffs
- hot swapped power battery
- wireless wifi control module, max distance 100 meters
- easy & fast rope installing and replacing





BATTERY CAPACITY DISPLAY

(LED SCREEN HIGHLIGHT)

WIFI SIGNAL



POWER BATTERY
5000 MAH
(IEC62133-2017 CERTIFICATION)



FUNCTION INTRODUCTION AND USE METHOD

PRODUCT PARAMETERS

SMART SPIDER PRO

APPEARANCE MATERIAL

DURABLE AVIATION ALLUMINUM

APPEARANCE SIZE

330*265*267(MM)

BODY WEIGHT

14.3KG (INCLUDE BATTERY)

BATTERY

5000MAH POWER BATTERY (HOT SWAPPED)

VOLTAGE

36V

MAXIMUM OPERATION TIME

15MIN (FULL LOADING)

POWER

1000W

MAX LOADING

200KG

VARIABLE SPEED CONTROL

ASCENDING 0M/MIN~20M/MIN
DESCENDING 0M/MIN~37M/MIN

RUNNING DISTANCE (SINGLE BATTERY)

330M (120KG LOADING)

EMERGENCY DESCENDING WHEN POWER OFF

HAVE

EMERGENCY STOP

HAVE

OPERATING TEMPERATURE

-20°C~+50°C

PROTECTION GRADE

IP54

STANDARD SAFETY BUCKLE

D-SAFETY BUCKLE

WIFI

STANDARD

WIFI MAX DISTANCE

100M

CHARGER

SINGLE CHARGER*1
OR CHOOSE ONE CHARGING STATION ONE TO TEN

ROPE SUGGESTED

EN1891 STANDARD, STATIC ROPE, WIRE DIAMETER 10MM-11MM, DUCTILITY SHALL NOT EXCEED 4%

TACTICAL STYLE

INNOVATION IN POWER ASCENDER

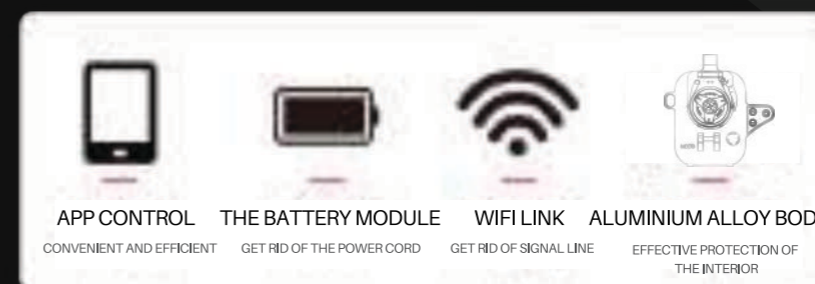
APP CONTROL SYSTEM

Through the Mode APP, you can control the ascender in real time, and monitor the rise and fall of the ascender, as well as the electric capacity situation

The Mode App include store, training class, customer service, by which you can easily purchase accessories, watch tutorials, etc.. If there is still problems you can not solve, you can also contact the sales through adsales@modehoist.com directly.



SMART SPIDER PRO



FreeHoist ∞

ECO4

FreeHoist ∞

- Classic modeling design
- The body adopts aviation aluminum for heat dissipation and light weight



CAST OFF
SHACKLES

Mode digital motor with fine grinding noise reduction gear

Digital motors solve constant torque low calorific speed control accurately

Noise reduction gear adopts high precision grinding process



CAST OFF SHACKLES

5000mAh
Battery capacity

168Hours
Standby time

29kg
Net weight

Super strong endurance

Adopt 5000mAh large capacity battery



Mode energy block

A single energy block can support the FREE load of 800KG under the condition of 60 meters round trip. Independent research and development of Mode energy management system, with charge and discharge protection, undervoltage, over current, over discharge, short circuit, high temperature and low temperature active protection function.

EXCELLENT PERFORMANCE



Stop when
release handle



Manual release



8 protections



Industry pain points

The messy venue

Building the site takes much time and labor

Security risks exist



Wireless hoist = unlimited value

The real wireless hoist is on its way

In the future, it will give us more leisure, free labor and shorten construction time

Save construction cost and personnel cost



APP control Control multiple devices with one click

Free to group, rise and fall together



Large range,
unconstrained



The built-in tutorials are
easy to understand



Accessories to meet
different needs

Product Parameters

| Appearance Material : Aviation Aluminum Alloy

| Body Size : 510x140x257(mm)

| Battery Capacity : 5000mAh

| Battery Specification : 36V/180Wh

| Body Weight : 29kg

| Safety Factor : 5:1

| Load Rating : 1000kg

| Rising Speed : 3.6m/min

| Falling Speed : 2m/min

| Chain Length : 20m (Other Length Optional)

| Chain Breaking Force : 7.2 times

| Limit : Top/Bottom Electronic Limit

| Noise : 53DB

| Brakes : Maintenance-free Electromagnetic Brakes

| Protection Grade : IP54

| The Standby Time : 168 Hours

| 800kg Battery Life : 144m(Round Trip)

| WIFI : Standard

| Wireless Frequency Band : 2.4 GHz

> Configuration of M1 Manual Hoist

● The lock ring design complies with European standards.



● Finish machining lifting wheel gear, makes chain more stable and strong.



● The wheel is made by 20CrMnTi which strengthen its intensity.

● Safety design makes lifting safer.



● High strength body design, durable service life.

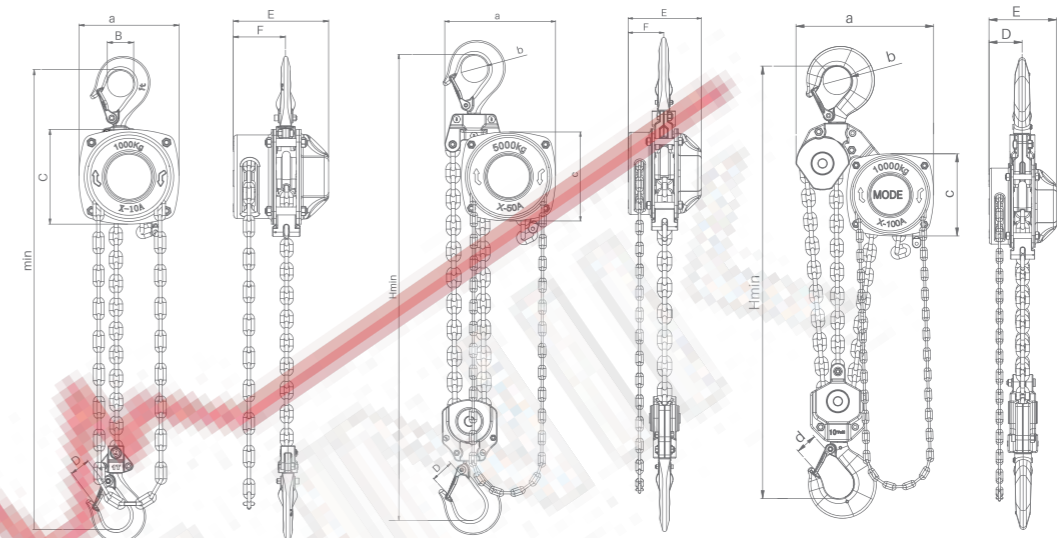


● Double wheels design, make braking more powerful.



● Wide range of loading capacity, meet all kinds of your requirements.

● Galvanized Chain performs a better service life.



0.25-3t

5t

10t

	M1-50	M1-100	M1-150	M1-200	M1-300	M1-500	M1-1000	M1-2000
A	122	152	176	176	216	216	244	891
B	34	40	52	52	62	65	70	117
C	118	145	170	170	204	204	204	301
D	31	31	41	41	45	51	54	84
E	119	145	157	157	167	167	167	167
F	65	79	81	81	83	83	83	83
Hmin	311	361	443	443	431	660	705	1026

Technical parameters

Model	M1-50	M1-100	M1-150	M1-200	M1-300	M1-500	M1-1000	M1-2000
Lifting capacity(kg)	500	1000	1500	2000	3000	5000	10000	20000
Lifting Height (M)	3	3	3	3	3	3	3	3
Number of falls (Fall)	1	1	1	1	1	2	3	8
Pulling force (N)	240	305	340	360	370	370	380	400
Diameter of lifting chain * Intercept(mm)	5X15	6X18	8X24	8X24	10X30	10X30	10X30	10X30
Diameter of pulling chain * Intercept (mm)	5X25	5X25	5X25	5X25	5X25	5X25	5X25	5X25
Net weight(kg)	5.7	11	17	17	26	40	73	125
Weight of lifting chain(kg/m)	0.541	0.77	1.36	1.36	2.2	4.4	6.6	17.6
Weight of pulling chain(kg/m)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8

RED CASE

> Configuration of Red case



Mode Manual Hoist Portable Set

- By packing with ABS material, it can meet your portable use and easy for arranging. Double manual hoist in one set.

Model	Length(mm)	Width(mm)	Height(mm)	Weight(kg)
M1-1T	440	320	270	43
M1-2T	500	400	220	63

Configuration of Myfly

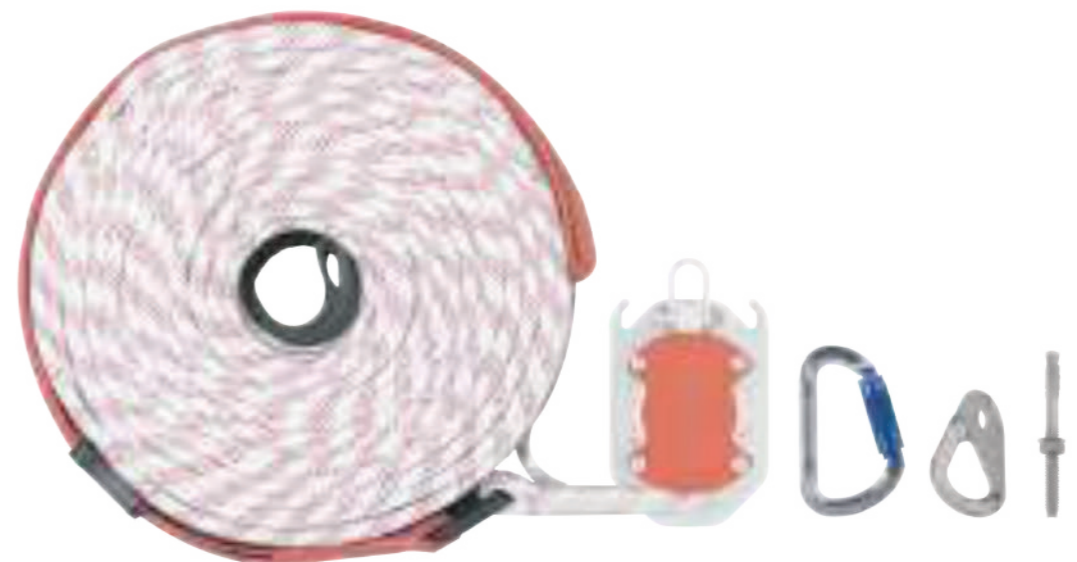


Pang Wei
Chief Experience Officer

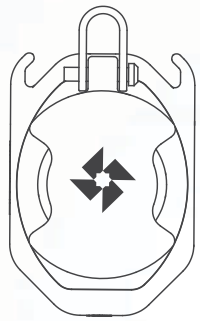


● Myfly Escape Device

The Mode descender is composed of lifting rings, safety belts, safety ropes, etc. It is an emergency escape safety lifesaving device that allows people to descend from the outdoor at a uniform speed with the rope. In the event of a fire or in the case of smoke and fire that closes the evacuation channel, trapped persons can use it to escape quickly and safely. It can be installed in building windows, balconies or flat roofs of buildings, etc., and can also be installed in office buildings and entertainment venues to rescue victims in fire.

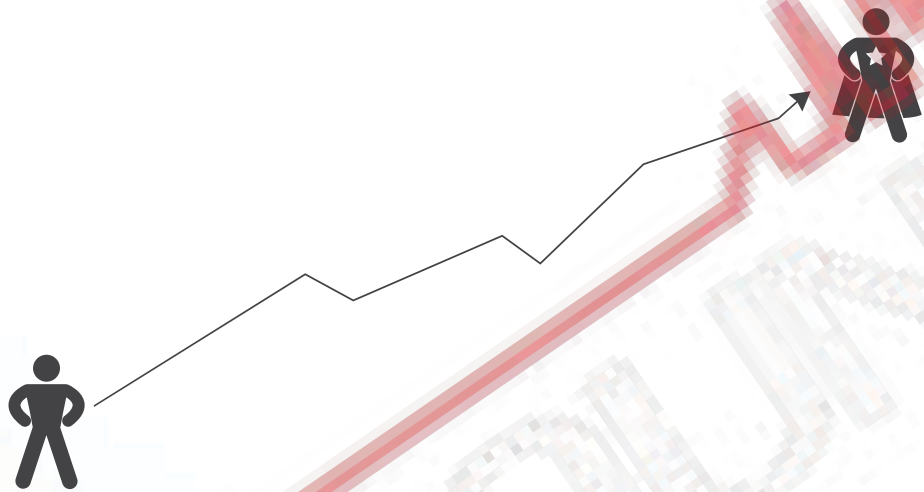


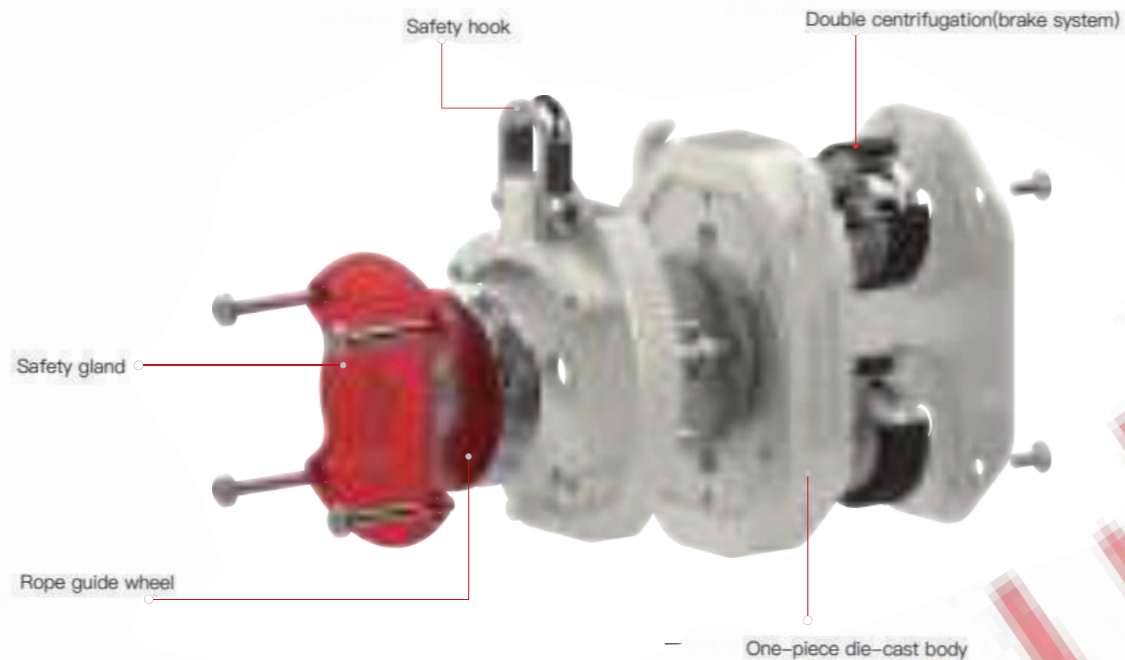
Security evolution



There is only one descender difference between you and Superman.

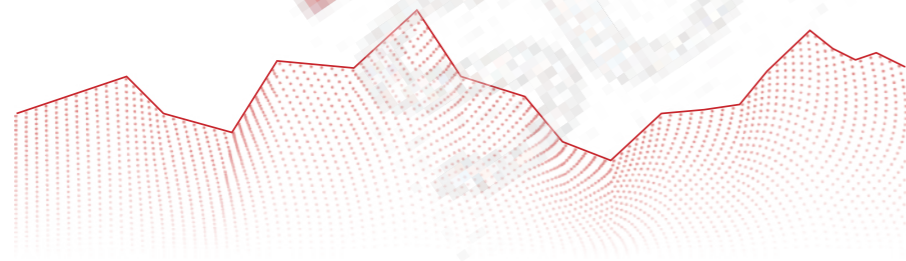
Keep it in a cabinet or bookshelf near the window. You can get it when the fire happens. The appearance is simple, easy to take, so that your home is a safe and beautiful place.





● Myfly Escape Device

Adopt Germany's leading mechanical technology, and achieve a uniform rate of decline by introducing Germany's leading slow-down technology, effectively controlling the risk of descent, while ultra-quiet operation. The descender relies on the friction of the user's own weight or the automatic adjustment of the governor to control the descending speed, so as to land safely and smoothly.



Aerospace aluminum metal molecular stability



60

seconds golden escape time

When the fire hazard occurs

- ① The owner quickly hangs the descender at a safety anchor point.
- ② Throw the safety rope on the ground to confirm that there is no knot. If there is a knot, you should straighten the safety rope in time.
- ③ Put on the red seat belt and put it under the armpit, adjust the safety belt buckle to the chest.
- ④ Land safely and avoid obstacles when descending.

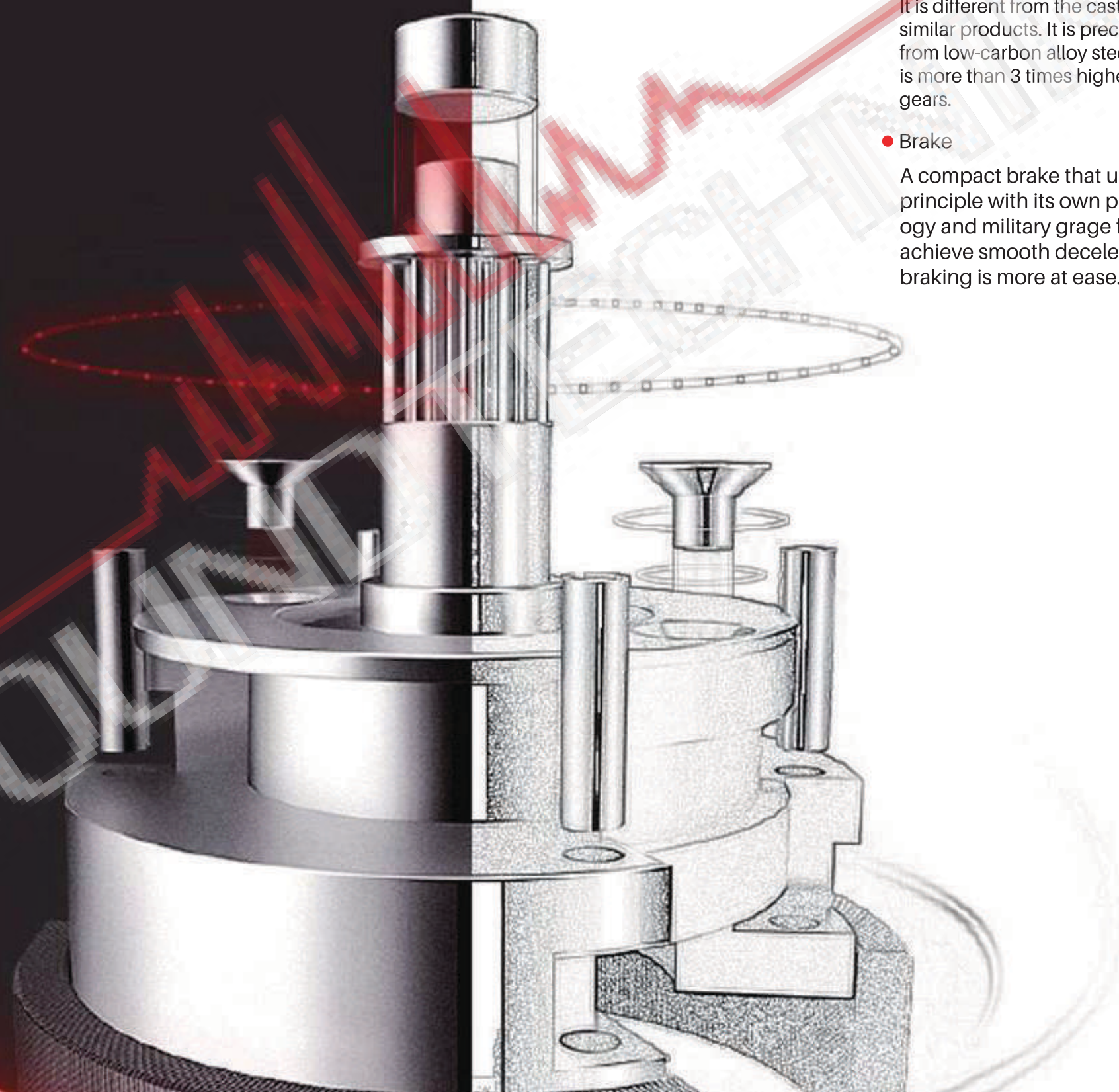
Double centrifugal braking system

- Gear transmission part

It is different from the cast gears used in similar products. It is precision-processed from low-carbon alloy steel, and its strength is more than 3 times higher than that of cast gears.

- Brake

A compact brake that uses centrifugal principle with its own patented technology and military grade friction material to achieve smooth deceleration, double braking is more at ease.



- Hold it in one hand

The compact size, light weight, and the device weighs only 1.8kg. It is a lightweight airborne equipment designed for family buildings to escape. One machine is in hand, and safety is under control.

- Easy to store

It can be easily stored on cabinets or bookshelves close to the window. When a fire occurs, you can easily get it. The simple appearance is convenient to place, making your home a safe and beautiful and peaceful ground.

- Double seat belts, multi-person loop escape

The maximum load weight can reach 125kg, infants and toddlers can escape together with adults, and multiple people can escape circularly.



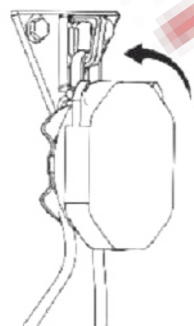
30_{kg}

The minimum load / 343+5N

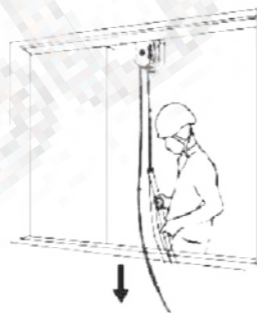
125_{kg}

The maximum load / 981+5N

- How to use Myfly



① Install Myfly



② Threw down the rope



③ Wear and Use Myfly



④ Descend along the wall



⑤ Multi-user recycling

> Accessory for The controller

Group Controller

- Mode controllers are generally 4-way, 8-way, 12-way, 24-way, 36-way, flight case controller, portable controller, V6 controller and V6 + controller. Flight case or vertical control cabinet of corresponding size according to different models. The Mode controller only needs one button to control the single action or group linkage of the electric hoist. Each controller has an electric hoist pre-set system with panel/remote control as standard device. Mode electric hoist has many functions, such as low voltage control, adjustable limit switch and motor overheat protection, etc., which can be operated by this controller with only one power cable. The Mode controller can be connected to a component control system and can control up to 40 pcs electric hoists.



Flight Case Controller



Portable Controller



V6 Controller



Wall-mounted controller

> Accessory

for Mode Full Line



Double Brake

Round Sling

Specifications: 1000KG-2000KG

- The pulling force is evenly distributed when lifting the goods
- Protect the surface of the goods from being damaged
- Use UV to prevent material from wearing out
- Moisture resistance, good heat resistance, up to 120 degrees
- Materials with low distortion, low loss and long service time (100% polyester silk) 6 times safety factor

If you need higher deadweight and special length, it can be customized as required.

Touchscreen extended control box of wall mounted controller

- Used for MB4 controller, the hoist can be controlled at any position within the effective distance of the extension line.



Stage wire sling

The sling is made of polyester and has a wire rope inside. The diameter of the wire rope is 1.5mm, A whole steel wire is wound 31 times, which can increase flexibility on the premise of ensuring the strength of the sling.

- Heat resistance up to 150°C
 - The safety factor is 5 when the load capacity is 2000kgs
 - The safety factor is 10 when the load is 1000kgs
- The minimum bending radius is 6mm.



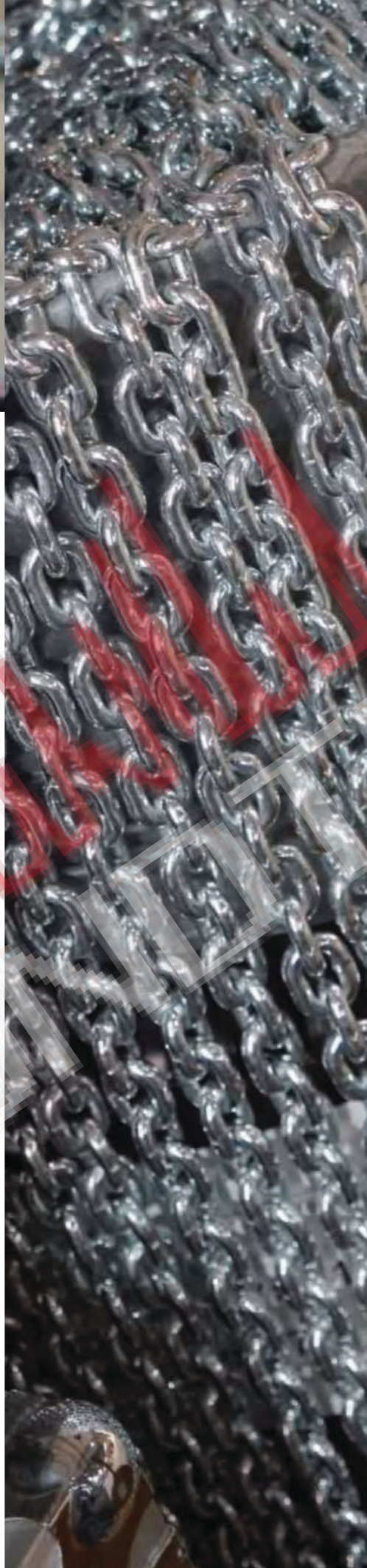
Industrial Plug

- Industrial Plug: Electric hoist have standard link cable and CE connectors.



Cable & Hand Controller

- Single hoist operating with hand controller
- Emergency stop button is available
- Mechanical lock for up/down
- Assisting steel wire shield for cable



Chain Bag

- Chain bag: Large capacity, high strength and removable for chain bag, made of 100% polyester. Fabric strength: 900denier.



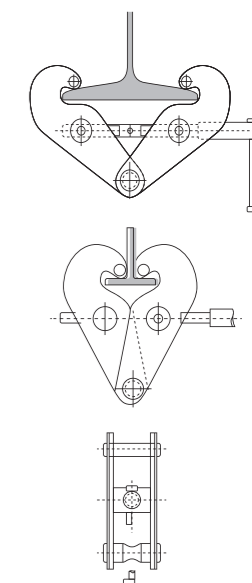
Rail Clamp

- Rail Clamp is a accessory which can quickly and easily support and lift hoist and pulleys, by using the scalability to control width.
- Easy to adjust the rail width, using thread to adjust the rail width, accurate positioning.
- Beautiful appearance, the surface by excellent spraying treatment, rust prevention, good durability.



model		1000A	2000A	3000A	5000A	10000A
Lifting capacity	(kg)	1000kg	2000kg	3000kg	5000kg	10000kg
Beam width	(mm)	75-230	75-230	80-320	90-320	90-320
Net weight	(kg)	3.85	5	9.3	11	18
Package weight	(kg)	4	5.2	9.7	11.4	18.4
Package size	(cm)	30.6x7.7x24	30.6x8.8x24	38.5x11.2x32.7	38.5x14.4x32.7	38.5x13.8x41
Size	A	75-230	75-230	80-320	90-320	90-320
	B	180-375	180-375	220-498	220-498	250-514
	C	80	90	117	127	139
	D	220	220	271	271	271
	E	4	6	8	10	12
	F	61.6	73.6	95.6	107.6	115.6
	G	17	20	24	27	36
	H	25	25	30	35	40
	M	45	49	63	67	91

(Due to the constant update of our products, relevant data are subject to change without prior notice)



> Partners of Mode



Application cases

