

Suspended Platform

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Wuxi Rigid Machinery Co., Ltd.

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Rigid passed ISO9001:2008 quality management system in 2009



Rigid obtained CE safety certificate in 2012



Rigid obtained GOST Certificate in 2013





Wuxi Rigid Machinery Co., Ltd., based in the Huishan High-Tech Zone, Wuxi City, Jiangsu Province, operates a 25,000m² state-of-the-art manufacturing facility. As a recognized national and international high-tech enterprise, the company specializes in the R&D, design, manufacturing, sales, and service of cable climbing equipment. It is a leading industry player, designated as a "SRDI Little Giant" enterprise, and a trusted supplier for the working-at-heights industry worldwide.

Core Competencies and Achievements

The company has developed a wide array of cable climbing equipment for sectors such as:

- Elevator intelligent installation
- Wind power maintenance
- Thermal power and chemical industries
- Construction projects

Through collaboration with globally renowned enterprises, the company has co-developed products like elevator installation hoists, wind power hoists, and boiler maintenance hoists. These high-tech products meet individual customer needs, align with international standards, and maintain technical superiority within China.

International Recognition and Market Reach

All primary products have obtained CE certification from TÜV Rheinland in Germany, making Wuxi Rigid the sole domestic provider with comprehensive EU certification in the industry. These products are exported to over 60 countries and regions, including the United States, Germany, Brazil, and India, earning a stellar reputation for quality and reliability in overseas markets.

Commitment to Innovation and Quality

The company emphasizes R&D and intellectual property, holding 12 core invention patents and over 80 utility model patents. To ensure product excellence, Wuxi Rigid employs:

- Intelligent, automated manufacturing systems
- Advanced testing equipment
- ISO 9001:2015-certified quality control processes

These practices span the entire product lifecycle, from R&D to sales, ensuring unmatched product quality and customer satisfaction.

Talent Development and Collaborative Research

Wuxi Rigid invests in future development by fostering technical expertise and maintaining partnerships with universities for collaborative research. It hires doctoral supervisors and industry experts as consultants and serves as an educational base for Jiangnan University. This approach builds a skilled team with senior professionals who excel in developing innovative, tailored solutions for clients.

Industry Recognition

The company has received numerous accolades, including:

- National High-Tech Enterprise designation
- Wuxi Engineering Research Centre for High-Altitude Operation Equipment
- Jiangsu SRDI product enterprise recognition
- National SRDI Little Giant designation

These recognitions affirm its contributions to the industry and sustainable development.

Customer-Centric Philosophy

Adhering to the philosophy of "starting with customer needs and ending with customer satisfaction," Wuxi Rigid focuses on delivering high-quality product solutions and technical services. By collaborating with suppliers and customers, the company aims for mutual growth and success.

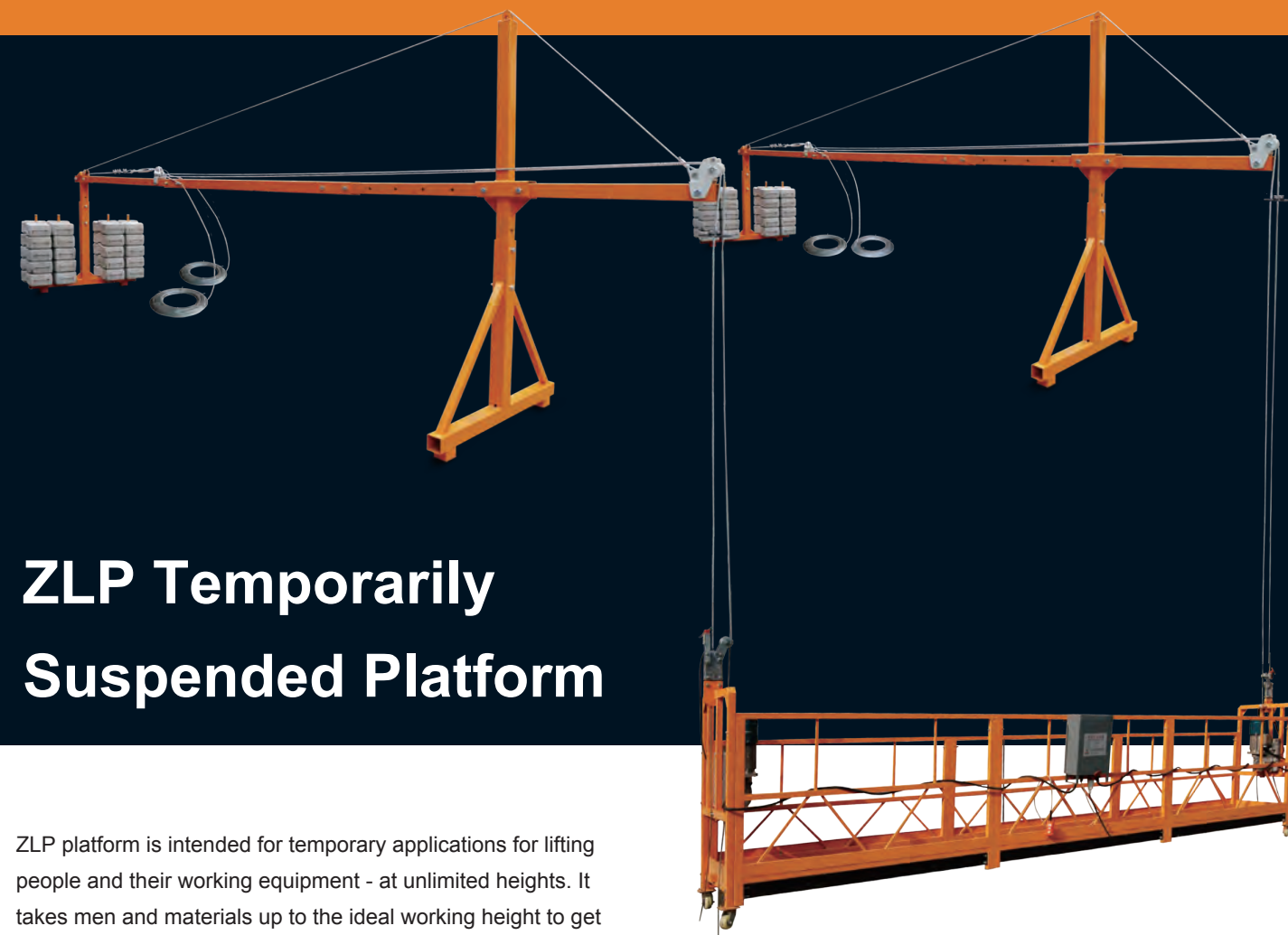
Future Vision

Wuxi Rigid is committed to innovation, integrity, and continuous improvement. It seeks to give back to society while advancing high-quality development, ensuring its products and services remain at the forefront of the global market.



CERTIFICATE





ZLP Temporarily Suspended Platform

ZLP platform is intended for temporary applications for lifting people and their working equipment - at unlimited heights. It takes men and materials up to the ideal working height to get the job done correctly and efficiently done.

- ✧ Time saving and cost saving alternative to tubular scaffolding
- ✧ Unlimited working height
- ✧ Quick and easy to assemble and install
- ✧ Light weight and easy to transport

To install a complete suspended platform

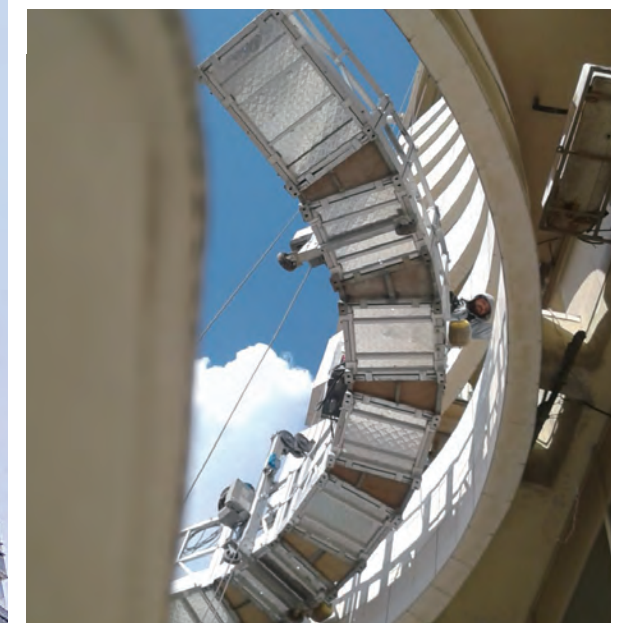
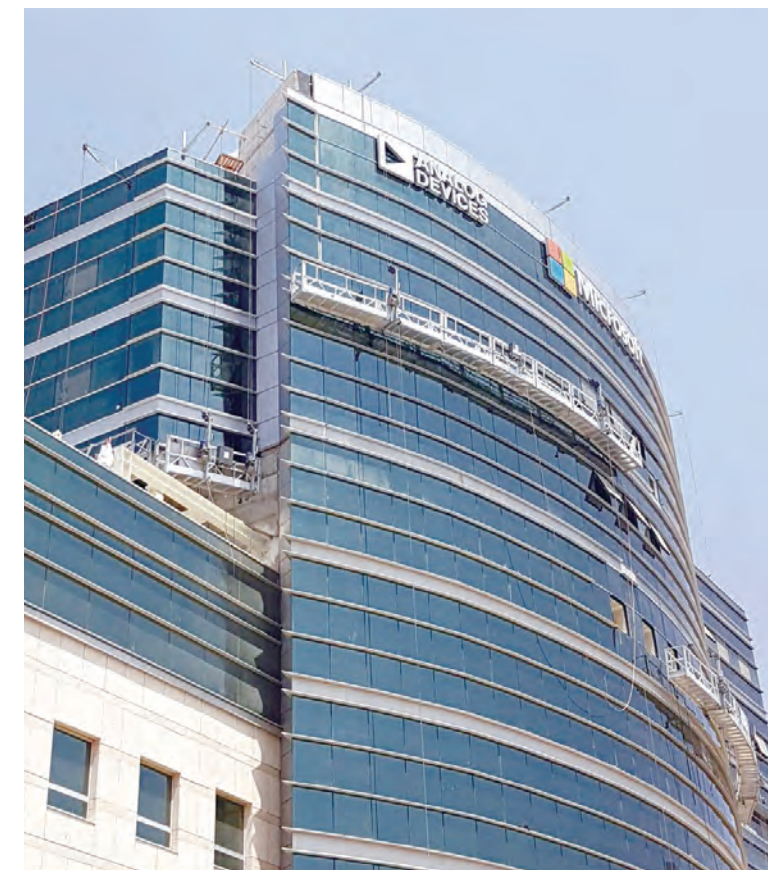
- ✧ Aluminum (Steel) platform
- ✧ Motorized traction hoists and controls
- ✧ Steel wire rope connected to supporting roof suspension beam and parapet clamp

APPLICATIONS

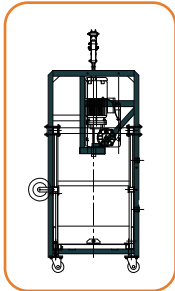
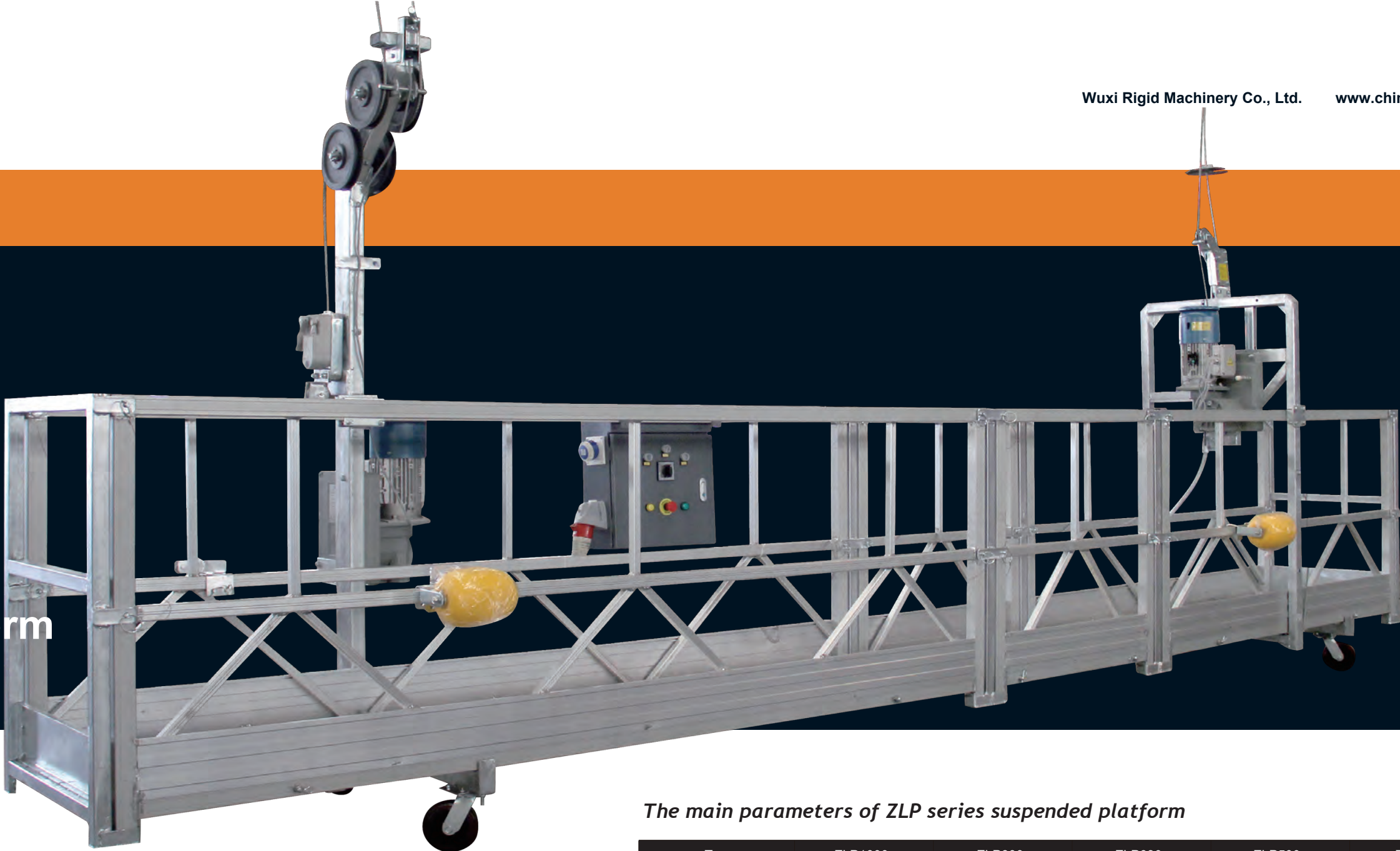
Cladding
Painting
Glazing
Plastering
Spray coating

Concrete repair
High pressure cleaning
Sealing
Granite panel fixing

Inspection and maintenance
Welding
Sandblasting
Construction

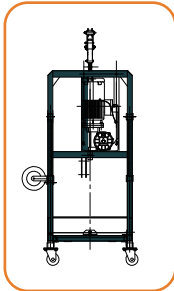


ZLP Temporarily Suspended Platform



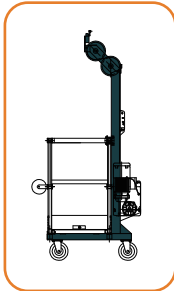
Frame stirrup:

Slipped over the platform like a "frame", which for platform length from 2m to 10m.



End stirrup:

Fitted at the ends of the platform, which for platform length from 2m to 10m.



"L" stirrup

Placed at the rear of the platform behind the workers, which for platform length from 2m to 10m.

The main parameters of ZLP series suspended platform

Tpye	ZLP1000	ZLP800	ZLP630	ZLP500	ZLP250
Working Load Limit	1000kg	800kg	630kg	500kg	250kg
Lifting Speed	8.7m/min	9.0m/min	9.0m/min	9.0m/min	9.0m/min
Voltage-3phase	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Rated Power	2.0×2	1.8×2	1.5×2	1.1×2	1.1×1
Hoist Model	LTD100	LTD80	LTD63	LTD50	LTD50
Safety Lock Model	LSF310	LSF309	LSF308	LSF308	OSL308
Wire Rope	4×31SW+FC-10.2mm	4×31SW+FC-9.1mm	4×31SW+FC-8.3mm	4×31SW+FC-8.3mm	4×31SW+FC-8.3mm
Platform Size (L×W×H)	(2.5×3)×0.76×1.45M	(2.5×3)×0.76×1.45M	(2×3)×0.76×1.45M	(2.5×2)×0.76×1.45M	1.2 ×0.65×2.3M
Weight of Suspension Jibs	340kg	340kg	340kg	340kg	170kg
Weight Of Lifting Part	520kg(Steel)	520kg(Steel)	450kg(Steel)	410kg(Steel)	200kg(Steel)
	340kg(Aluminum)	340kg(Aluminum)	310kg(Aluminum)	290kg(Aluminum)	140kg(Aluminum)
Counter Weight	Please refer to the working load limit of hoist and extend of front beam table				

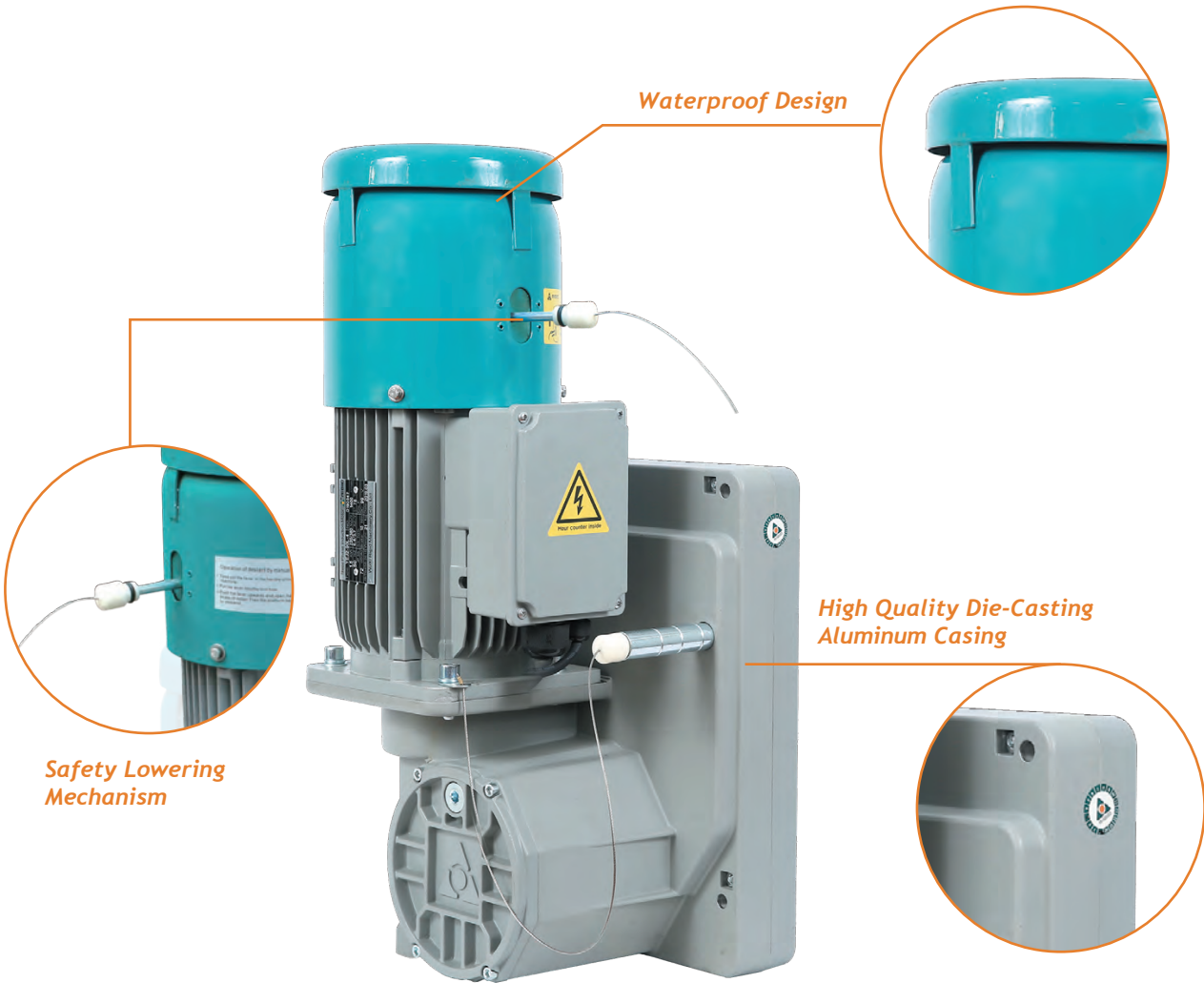
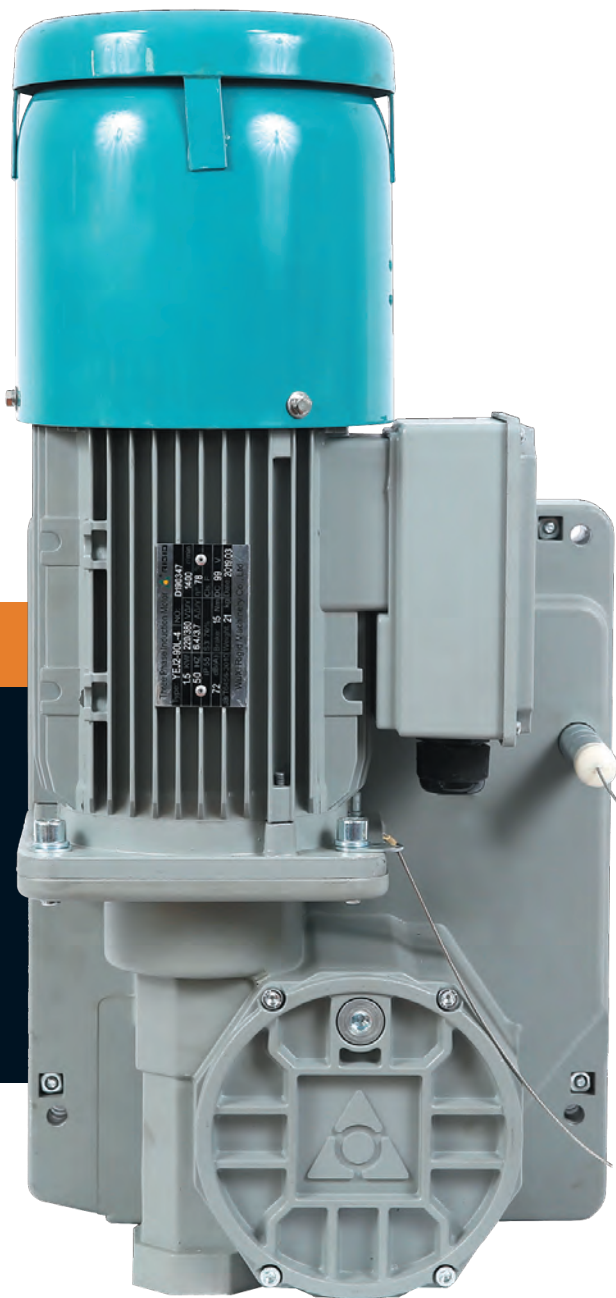
✱ The weight of lifting part includes platform, hoist, safety locks and electric control system.

LTD Series Hoist

LTD100 / LTD80 / LTD63 / LTD50

Light & heavy duty applications

LTD series hoist comes
in lifting capacity arrange
from 500 to 1000kg .



The RIGID LTD Series hoist is a man-riding, portable, traction principle hoist, CE approval. The hoists has a unique traction system, which makes it has an ability to takes men and materials to the ideal working height by climbs up and down a primary steel wire rope.

The RIGID LTD Series hoist is versatile and suitable for all types of suspended working equipment, including suspended platform, service lifts cage, false car etc. The wire rope is not stored in the hoist but passes completely through, which makes it compact, lightweight and very easy to handle. The unlimited wire rope lengths capability of RIGID LTD hoist makes it possible to utilize unlimited lifting heights and traction lengths.

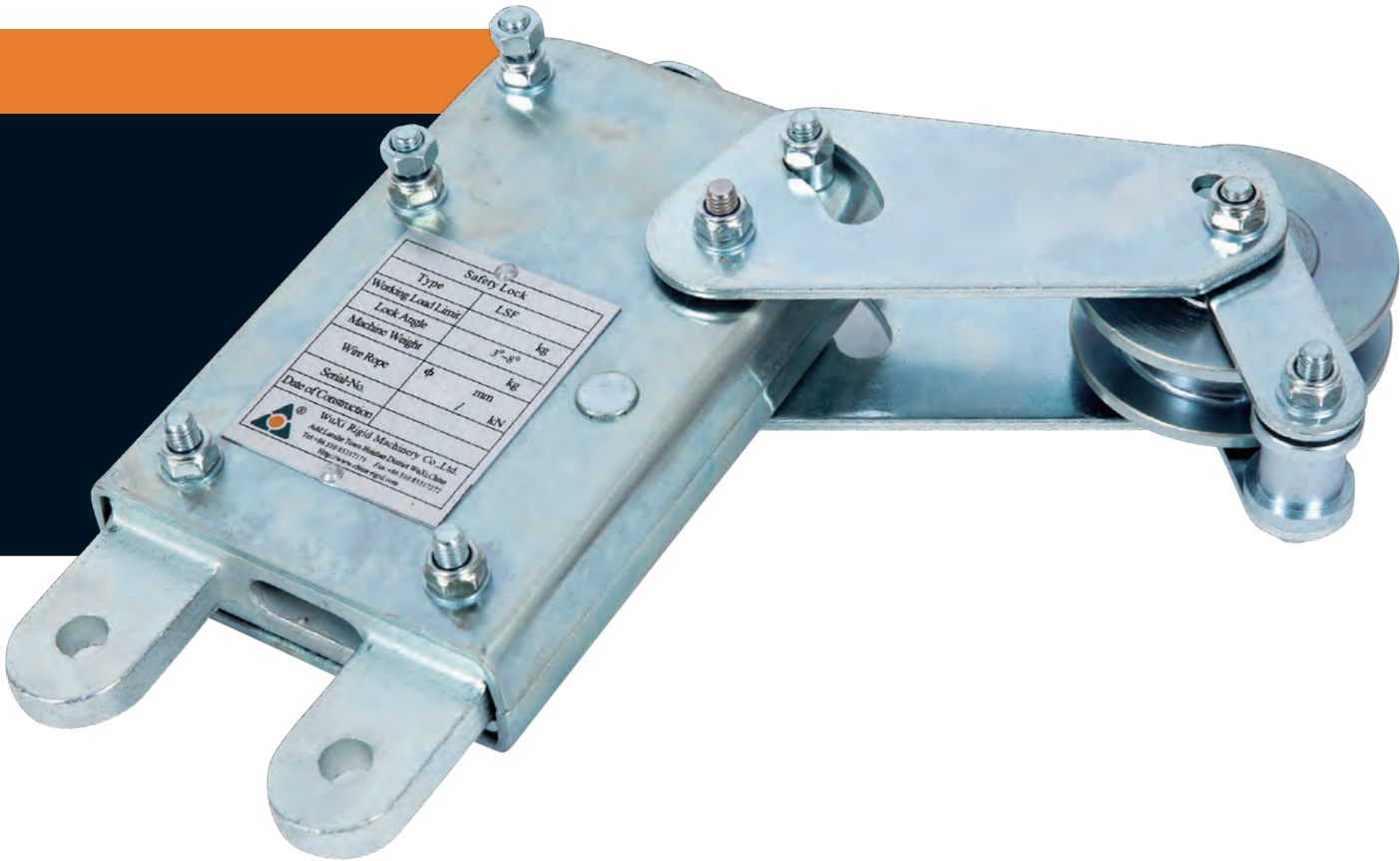
- ✦ LTD100, 80, 63 & 50 adopt “α” wire guiding system.
- ✦ The robust and strong die-cast aluminum casing with low dead weight.
- ✦ Gearing and drive sheave made of hardened steel.
- ✦ Motor protection: Protected to IP55 as standard.
- ✦ Hoist motor is fitted with a thermal overload protection device (Option).
- ✦ Standardized components ensures easy access to all wearing parts.

The main parameters of LTD series hoist

Type	LTD100	LTD80	LTD63	LTD50
Working Load Limit	1000kg	800kg	630kg	500kg
Lifting Speed	8.7m/min	9.0m/min	9.0m/min	9.0m/min
Voltage	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Rated Power	2.0kw	1.8kw	1.5kw	1.1kw
Dimension	310×250×600mm	310×250×600mm	310×250×590mm	310×250×580mm
Weight	53kg	52kg	50kg	48kg
Braking Torque	15N.m	15N.m	15N.m	15N.m
Rotate Speed	1400r/min	1400r/min	1400r/min	1400r/min
Wire Rope	4×31SW+FC-10.2mm	4×31SW+FC-9.1mm	4×31SW+FC-8.3mm	4×31SW+FC-8.3mm

★ Voltage and frequency are available upon request

Anti-Tilt Safety Lock (LSF)



- ✦ Safety Standard: EN1808.
- ✦ The anti-Tilt safety lock is automatically tripped when the angle of the rope or the platform exceeds 3-10°.
- ✦ The integrated clamping jaw mechanism holds the rope and immediately stops the movement of the system.
- ✦ It is designed for long platform with end stirrup.

The main parameters of LSF safety lock

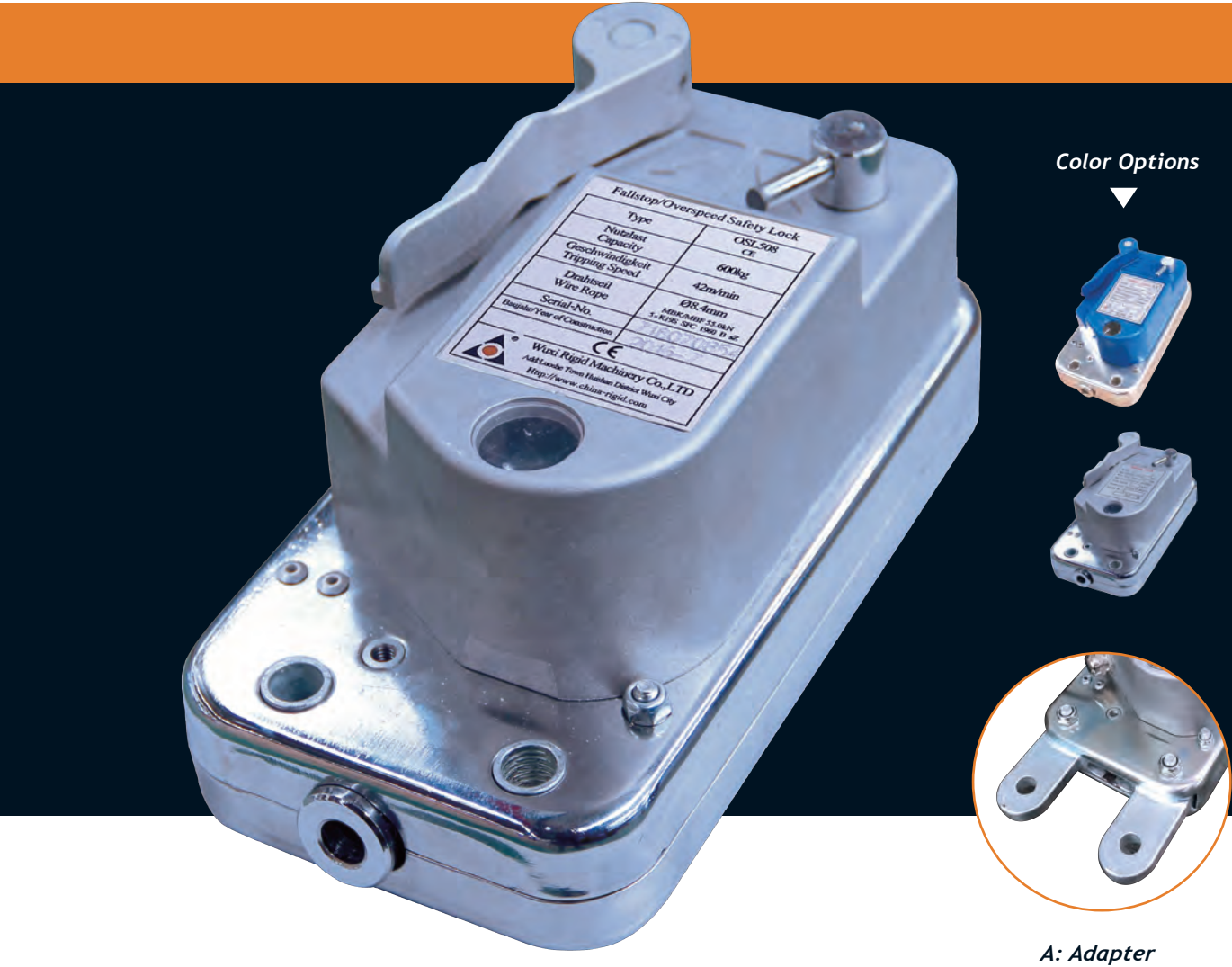
Model	LSF308	LSF309	LSF310
Working Load Limit	630kg	800kg	1000kg
Wire Rope Diameter	8.3mm	9.1mm	10.2mm
Locking Distance	<100mm	<100mm	<100mm
Cable Locking Angle	3°-10°	3°-10°	3°-10°

Overspeed Safety Lock (OSL)

- ✦ Safety Standard: EN1808.
- ✦ The overspeed catching device is automatically tripped when the lowering speed of the cable exceeds 30m/min (0.5m/s).
- ✦ The integrated clamping jaw mechanism made of hardened steel stops the lowering of the wire rope within a few centimetres.
- ✦ It is designed for single suspension work cages or platforms with L stirrups.

The main parameters of OSL overspeed safety lock

Model	OSL308	OSL309	OSL510	OSL512
Working Load Limit	600kg	800kg	1000kg	1600kg
Cable Locking Speed	30m/min			
Locking Distance	≤100mm			
Dia. Of Wire Rope	8.3mm	9.1mm	10.2mm	11.5mm



Color Options

A: Adapter