



## **Suspended Platform Catalog**



Wuxi Rigid machinery Co., Ltd.  
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## RIGID Company Introduction



Wuxi Rigid Machinery Co., Ltd. is located near the picturesque Taihu Lake in Wuxi, Jiangsu Province. The factory is built in an area of 15,000m<sup>3</sup> and is engaged in the development, production, sale and lease of suspended platform and hoist. Annual yield reaches 9,000 sets. Now it has been one of famous manufacturers of Suspended Platform in China.

Rigid ZLP series Suspended Platform and LTD series hoist are featured in the leading design, convenient operation, easy maintenance and low cost. Therefore they are widely used in the construction and maintenance of exterior walls of high rise, ships, dams and bridges etc. It obtained the ISO9001:2008 certificate and CE safety certificate in 2012.

Rigid has more than 10 senior engineers for development of suspended platform, design of nonstandard products and supply of innovative and cutting-edge suspension working platform solutions with aid of CAD and other computer software.

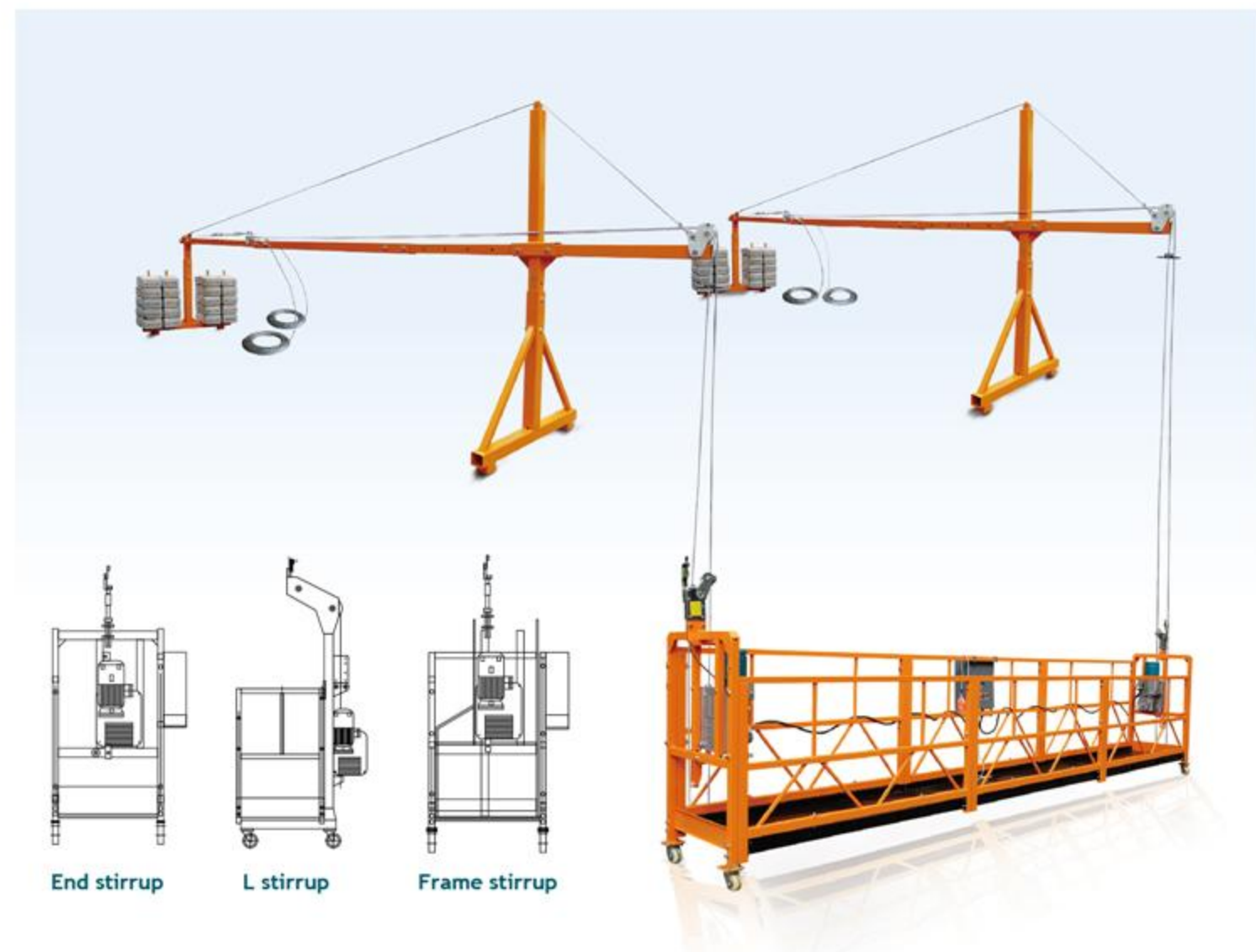
Rigid understands that the product quality is critical for the existence of business and persists in the business philosophy ---- "Customer first and professional service". In this way, it wins good market reputation and sells products around China, including HongKong, Macau and Taiwan and even to more than 20 countries and areas in Europe, Asia and South Africa.

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In Rigid, the staff will make concerted efforts, keep honest and enterprise and work hard to build an internationally core supplier of world-class Suspended Platform solutions and products in the future.





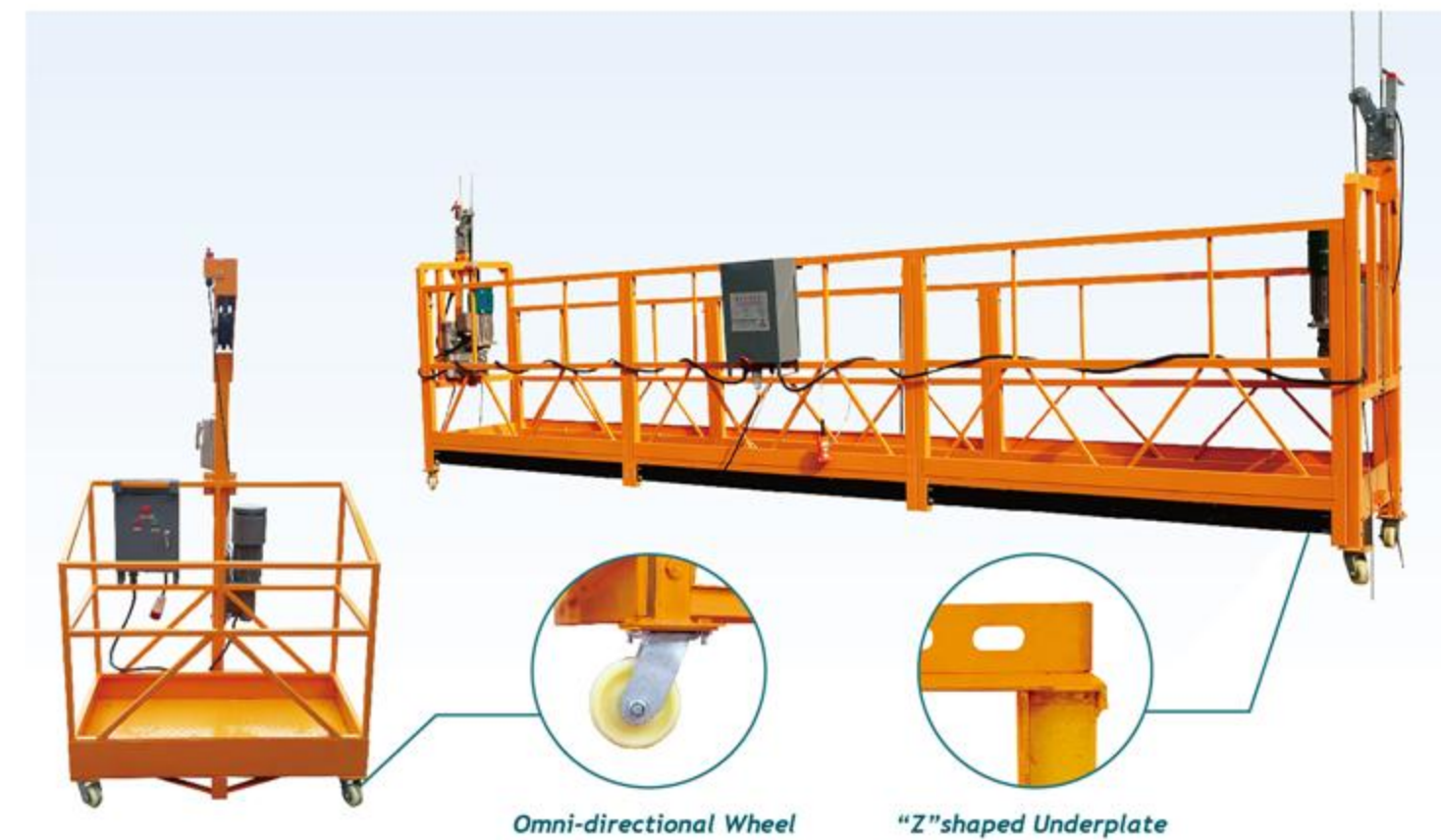
## ZLP Temporarily Suspended Platform

It takes men and materials up to the ideal working height to get the job done (Painting, welding, chimneys maintenance, bridge construction etc.) correctly and efficiently.

- ✦ 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

It consists of :

- ✦ Aluminum (Steel) platform
- ✦ Motorized traction hoists and controls
- ✦ Steel wire ropes attached to a roof suspension system

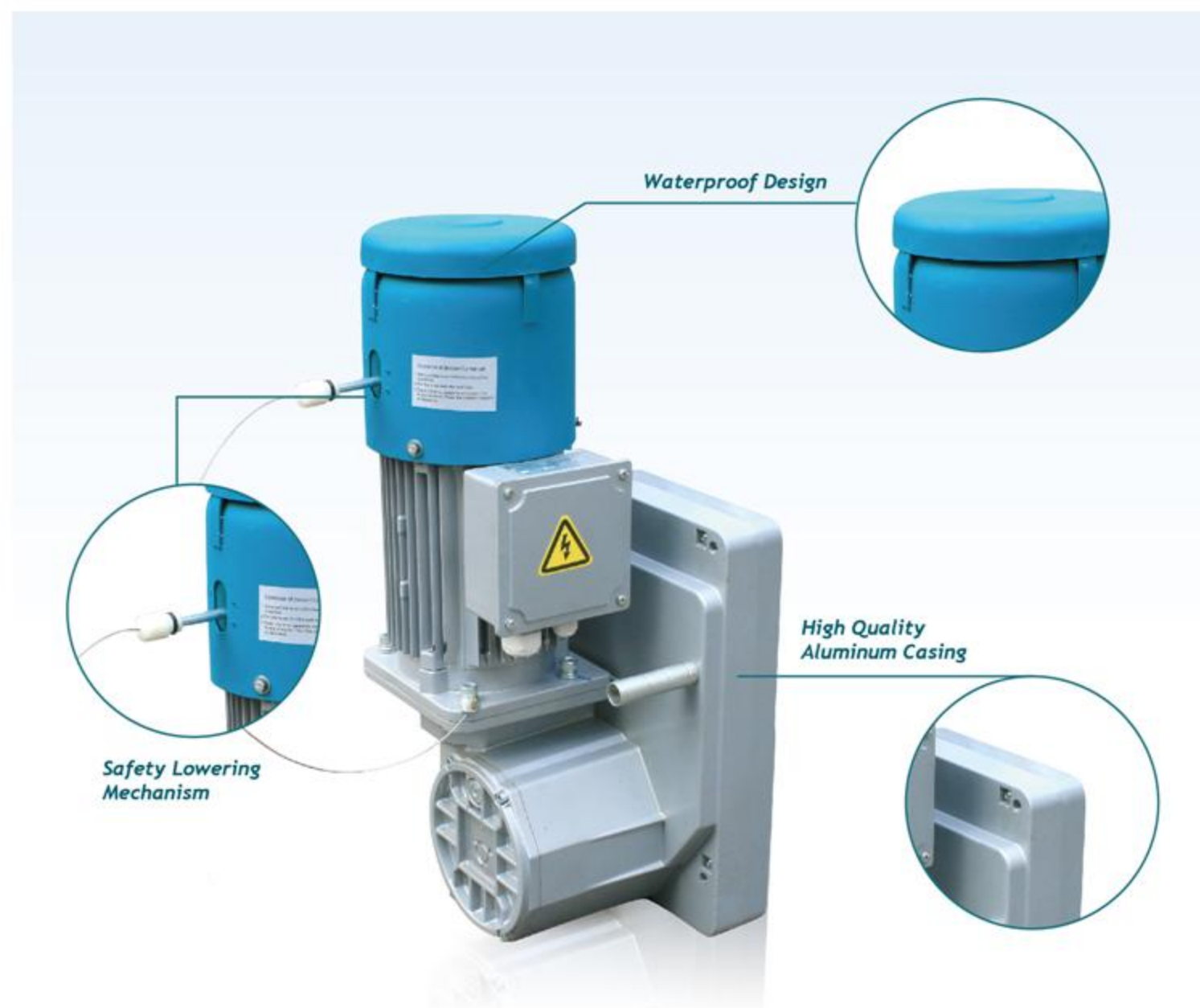


### The main parameters of ZLP series suspended platform

Type	ZLP1000	ZLP800	ZLP630	ZLP500	ZLP250
Rated Load	1000 KG	800 KG	630 KG	500 KG	250 KG
Ascend speed	9m/min	9m/min	9.3m/min	9.3m/min	9.3m/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
Power	1.8×2	1.8×2	1.5×2	1.1×2	1.1×1
Hoist	LTD100	LTD80	LTD63	LTD50	LTD50
Safety Lock	LSF310	LSF309	LSF308	LSF308	LSF308
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	(2.5×3)×0.76×1.45	(2.5×3)×0.76×1.45	(2×3)×0.76×1.45	(2.5×3)×0.76×1.45	1.2×0.65×2.3
Suspension Weight	360kg	360kg	360kg	360kg	180kg
Platform Weight	610kg(Steel) 420kg(Aluminum)	530kg(Steel) 380kg(Aluminum)	480kg(Steel) 340kg(Aluminum)	410kg(Steel) 290kg(Aluminum)	200kg(Steel) 140kg(Aluminum)
20' GPQty Of Package	8	8	10	12	13

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





## LTD Series Hoist

LTD100 / LTD80 / LTD63 / LTD50

- ✦ LTD100, 80, 63 & 50 adopt "a" wire guiding system.
- ✦ The robust and strong die-cast aluminum casing with low dead weight.
- ✦ The gear parts and sheave made of hardened steel.
- ✦ The motor and connection box protection class IP 55.
- ✦ The hoist motor suits a thermal overload protection device.
- ✦ Standardized components ensures easy access to all wearing parts.



### The parameters of LTD series hoist

Type	LTD100	LTD80	LTD63	LTD50
Rated lifting force	10kN	8kN	6.3kN	5kN
Ascend speed	8-10m/min	9.3m/min	9.3m/min	9.3m/min
Voltage	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)	380V(415V/220V)
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power	1.8kw	1.8kw	1.5kw	1.1kw
Outline size	310×250×600mm	310×250×600mm	310×250×600mm	310×250×600mm
Weight	53kg	52kg	50kg	50kg
Braking torque	15N.m	15N.m	15N.m	15N.m
Rotate speed	1420r/min	1400r/min	1400r/min	1400r/min

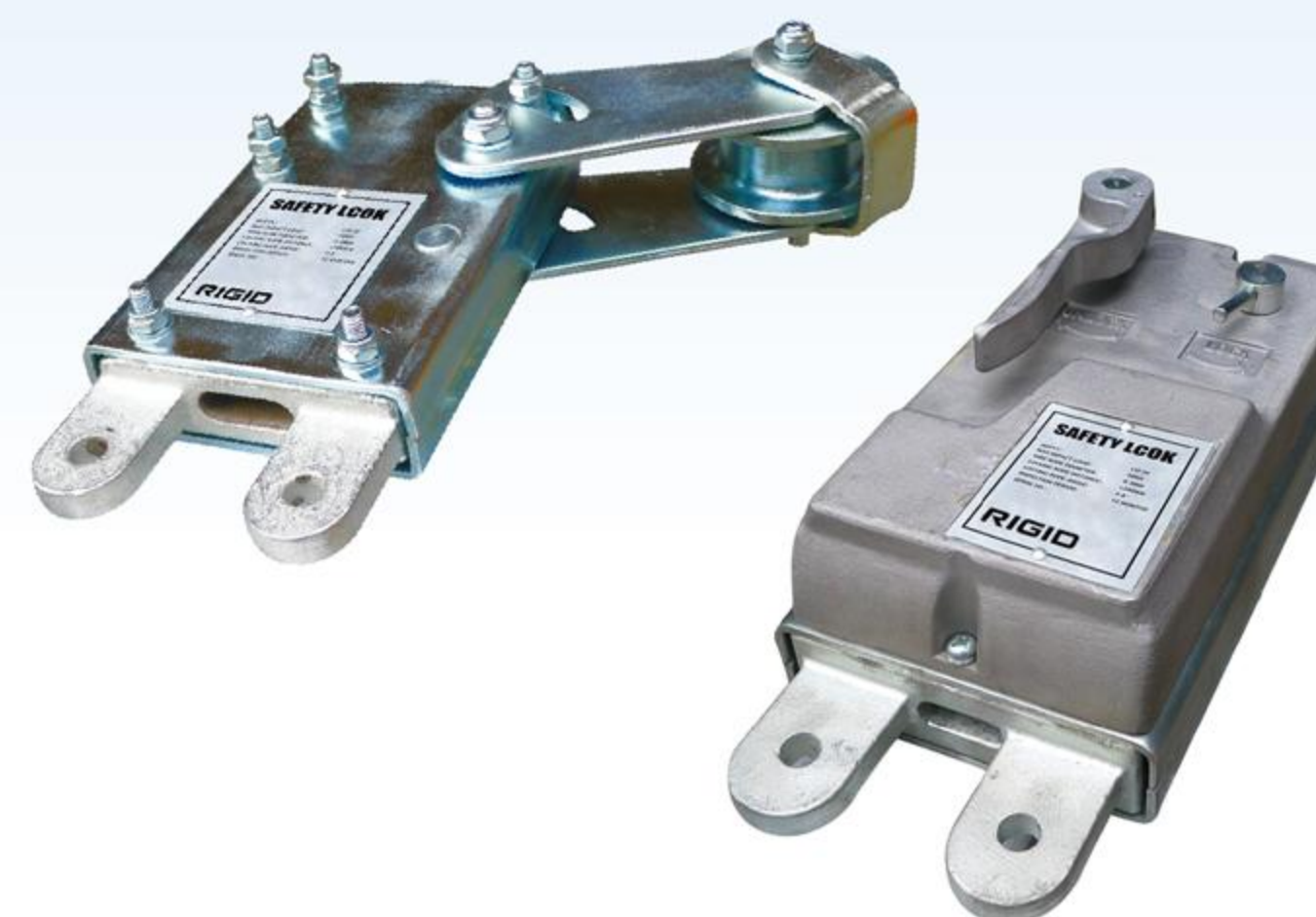
★ Voltage and frequency is available upon request





## Electrical Control Box

- ✦ IP55 waterproof Design
- ✦ First class electrical components
- ✦ Professional finish of wiring layout
- ✦ Individually marked wires for easy identification



## Safety Lock

### Anti-Tilt Type Safety Lock (LSF)

- ✦ Safety Standard: EN1808
- ✦ The Fall-arrest device, which is closed when the platform exceeds 5° - 8°
- ✦ The LSF is designed for long platforms with end stirrups.

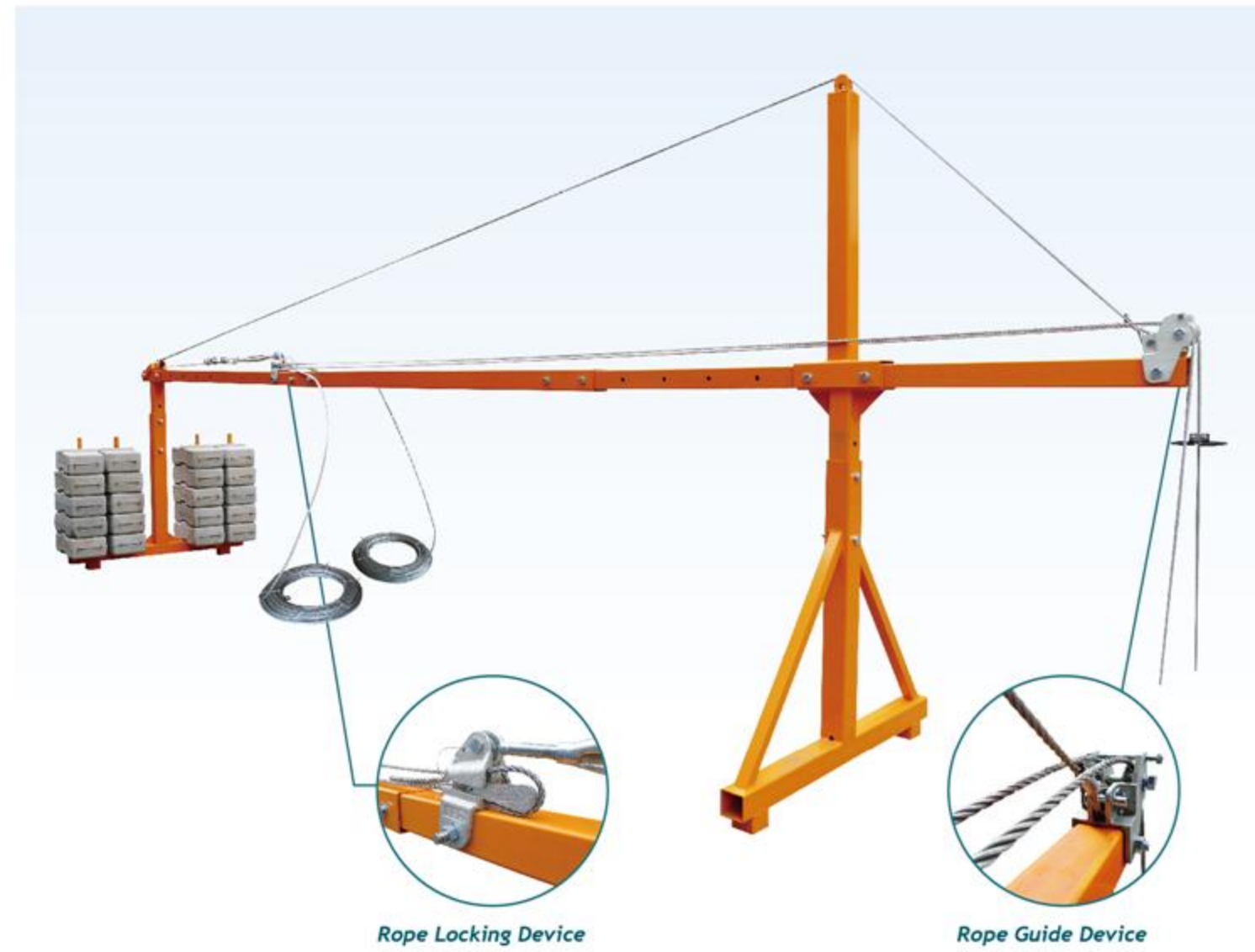
Model	LSF308	LSF309	LSF310
Permissible impact force	30kN	30kN	30kN
Locking distance	<100mm	<100mm	<100mm
Wire rope diameter	8.3mm	9.1mm	10.2mm
Cable locking angle	3°-8°	3°-8°	3°-8°

### Overspeed Safety Lock (LSL)

- ✦ Safety standard: EN1808
- ✦ The LSL safety lock is released when the downwards (falling) speed exceeds 30 m/min (0.5m/sec).
- ✦ It is designed for single suspension work cages or platforms within L-stirrups.

Model	LSL308	LSL309
Type	Overspeed	Overspeed
Wire Rope Diameter	8.3mm	9.1mm
Permissible Impact Force	30kN	30kN
Locking Distance	<200mm	<200mm
Cable Locking Speed	15-30m/min	15-30m/min

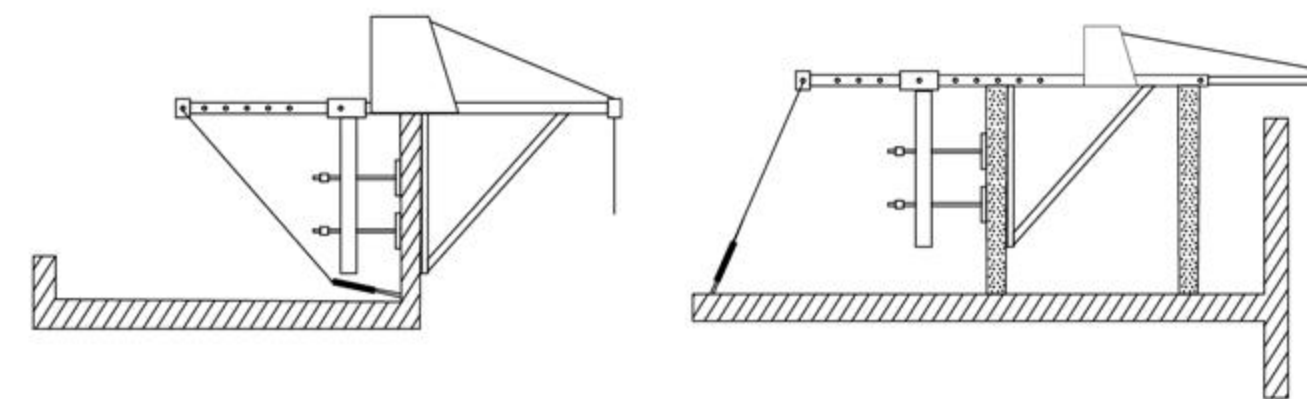
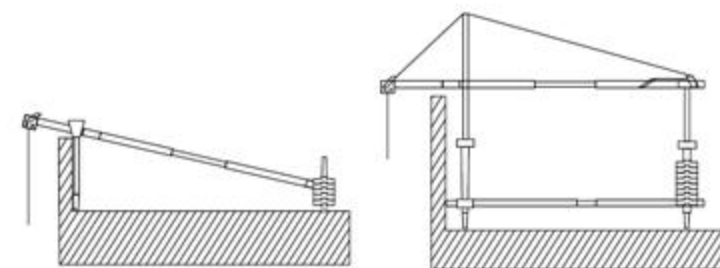




## The Roof Suspension System

### Suspension Jibs

- ✦ Quick and easy to assemble and install
- ✦ Overhang length, height and width of suspension jib can be adjusted, which are suitable for operation on parapet of different heights, complex building roofs and facets.
- ✦ New rope lock design replaced clamps which do not harm the rope
- ✦ Store the excessive wire rope on the suspension jib if the length of wire rope exceeds the working height of suspended platform.



✦ The special roof suspension system is available upon request.

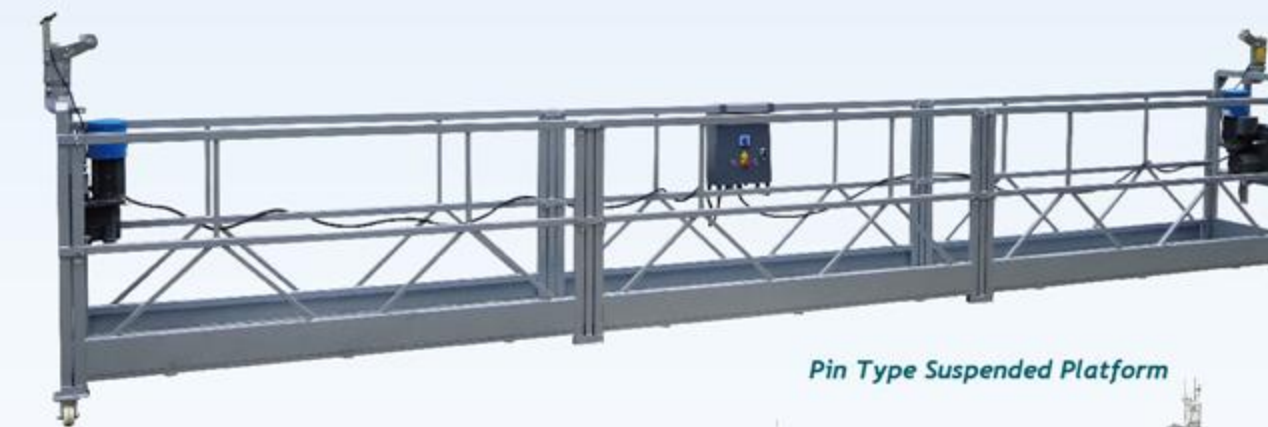


**In every situation,  
a RIGID® solution...**



### A Solution Provider

Rigid are the supply of innovative and cutting-edge suspension working platform solutions, Meanwhile it relies on scientific inspection means to control the production process strictly and offer customers with high-quality products.



Pin Type Suspended Platform



Explosion-proof Suspended Platform



Double Deck Platform



Hexagon Platform



Building Maintenance Unit (BMU)

### Special Designed suspended platform

The nonstandard products are available upon request.