

GST GEAR

www.gstgr.com



GST ACRO
GST Rigid Lift Chain
Wireless Motor Hoist
Auto Ascender

Revolutionizing the Future of Entertainment Together



GST ACRO

GST Winch Series





GST Winch/GST ACRO

- GST provides turn key solution for your equipment and service needs
- Effectively designed with certified components that provide high precision and safety factor
- Competitive pricing worldwide without downgrading functionality and practicality
- Fast international shipping of 2-3 weeks
- Zero fleet and compact design that provide flexibility and easiness for mounting and touring



- Servo motor with dual encoder and redundant, manually releasable brakes that offer smooth, reliable and quiet operation
- Perfect for single point aerial performance and also customizable for a dual line system
- Safe working load of 250kg with safety factor of 10:1 (6mm and above)
- Controlled with programmable touch screen console for variable speed of 0 - 2m/s (up to 3m/s on request)
- Drum capacity of 20m (and above on request) with SWR 3-7mm (synthetic rope and other SWR sizes on request)



GST Winch/GST ACRO

Safety Features

- Dual Brakes
- Manual Release
- 10:1 Safety Factor (6mm and above)
- Real-time Load Data on Console
- Absolute Encoders
- Dual Position Encoders
- 4 Mechanical Limits
- Slack Line & Cross Groove Detection



Control

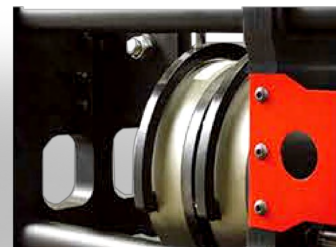
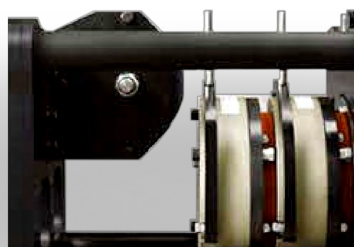
- Programmable Touch Screen Compact Console
- Remote Troubleshooting Available (via pre-installed computer with internet access, on request)

Electrical

- Servo Motor Horsepower: 4.4 kw
- Motor Phase: 3 Phase + PE
- Voltage: 220V/380V, 50/60HZ

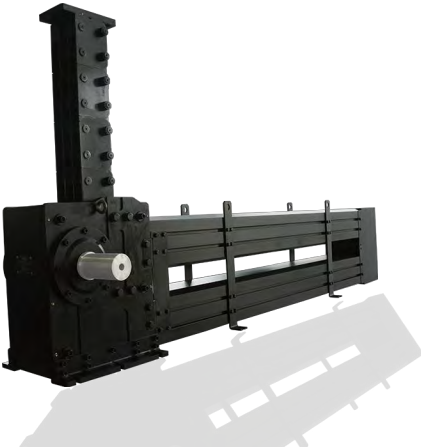
Mechanical

- Dimensions: W 14.8in x L 70.9in x H 14.8in (W 375mm x L 1800mm x H 375mm)
- Safe Working Load: 551lbs (250 kg)
- Variable Speed: 0-2m/s (up to 3m/s on request)
- Standard Travel: 66 feet / 20m (and above on request)
- Drum Diameter: 6in (156mm) and above
- Steel Wire Rope: 3-7mm (synthetic rope and other SWR sizes on request)
- Brake Coil: VAC220/380-VDC99/170 (customizable on request)
- Self-Weight: 661 lbs (300 kg)





GST RIGID LIFT CHAIN





GST-RIGD

GST Rigid Lift Chain 30A



Product Features

1. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
2. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
3. RATED SPEED UP TO 150mm/s.
4. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

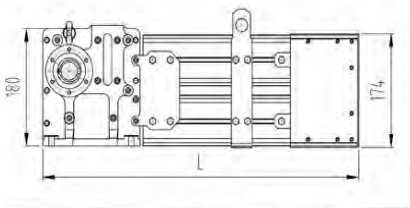
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Product Description

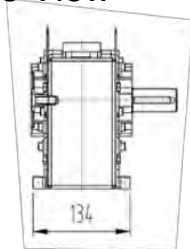
The 30A lift chain is specifically designed for heaving the payload through a long distance in theatre and touring production settings. Its reliable lifting motion is driven by a durable sprocket gear- chain mechanism. This product is the perfect choice in theaters, auditoriums or temporary stage settings, for example, a small scale scissor lifting platform.

Dimensions

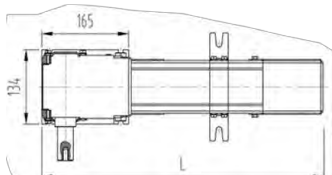
Front View



Side View



Top View



Specifications

Max Static Load (KN)/ Allowed Travel(m)	10/1.2
Allowed Static Load (KN)/ Max Travel (m)	10/1.2
Max Dynamic Load (KN)/ Allowed Travel (m)	8/1.2
Allowed Dynamic Load (KN)/ Max Travel (m)	8/1.2
Rated Speed (mm/s)	150
Initial Height (mm)	200
Energy Efficiency(%)	80
Chain Weight(kg/m)	10
Chain Pitch(mm)	30
Driving Unit Weight(kg)	13
Radius of the Pinion(mm)	30
Chain Storage Box Weight(kg/m)	2.5
Elevation per Revolution (mm)	188

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

GST Rigid Lift Chain 35A



Product Features

1. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
2. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
3. RATED SPEED UP TO 200mm/s.
4. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

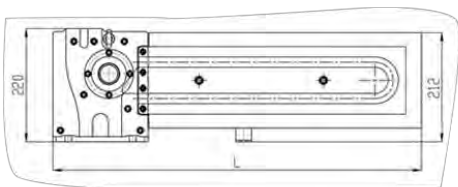
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Product Description

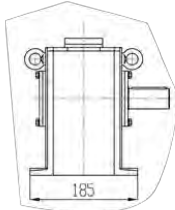
This chain lift is specifically designed for heaving the payload through a long distance in theatre and touring production set-tings. Its reliable lifting motion is driven by a durable sprocket gear- chain mechanism. This product is the perfect choice in theaters, auditoriums or temporary stage settings, for example, a small scale scissor lifting platform.

Dimensions

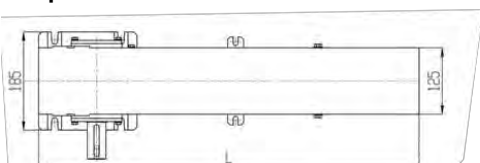
Front View



Side View



Top View



Specifications

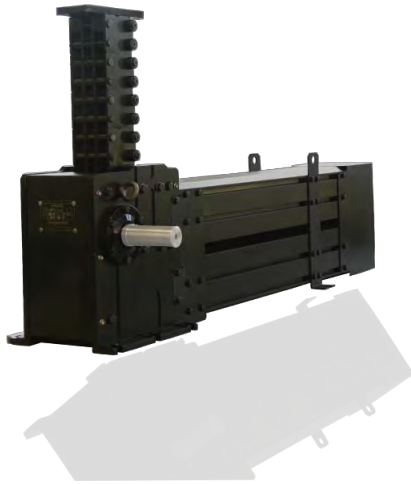
Max Static Load (KN)/ Allowed Travel(m)	12/1.5
Allowed Static Load (KN)/ Max Travel (m)	12/1.5
Max Dynamic Load (KN)/ Allowed Travel (m)	10/1.5
Allowed Dynamic Load (KN)/ Max Travel (m)	10/1.5
Rated Speed (mm/s)	200
Initial Height (mm)	226
Energy Efficiency(%)	80
Chain Weight(kg/m)	17
Chain Pitch(mm)	30
Driving Unit Weight(kg)	15.9
Radius of the Pinion(mm)	44
Chain Storage Box Weight(kg/m)	4
Elevation per Revolution (mm)	270

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

GST Rigid Lift Chain 40A



Product Features

1. ALLOWS LONG TRAVEL WITH HEAVY LIFTING CAPACITY.
2. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
3. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
4. RATED SPEED UP TO 300mm/s.
5. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

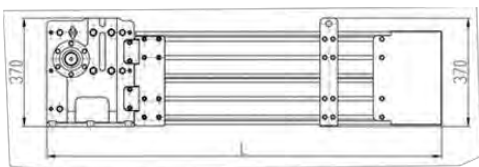
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Product Description

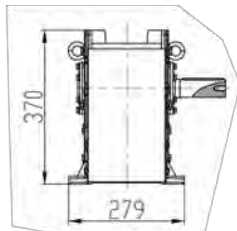
The 40A lift chain is specifically designed for heaving the payload through a long distance in theatre and touring production settings. Its reliable lifting motion is driven by a durable sprocket gear - chain mechanism. This product is the perfect choice in theater or auditorium settings, like the side auxiliary lifting platform, side car offset platform and the choral risers, or temporary stage settings, for example, a scissor lifting platform.

Dimensions

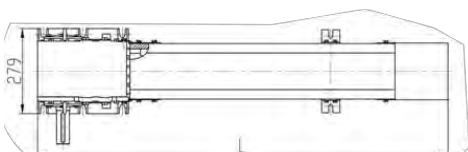
Front View



Side View



Top View



Specifications

Max Static Load (KN)/ Allowed Travel(m)	40/2
Allowed Static Load (KN)/ Max Travel (m)	25/4
Max Dynamic Load (KN)/ Allowed Travel (m)	30/2
Allowed Dynamic Load (KN)/ Max Travel (m)	15/4
Rated Speed (mm/s)	300
Initial Height (mm)	370
Energy Efficiency(%)	80
Chain Weight(kg/m)	30
Chain Pitch(mm)	40
Driving Unit Weight(kg)	55
Radius of the Pinion(mm)	40
Chain Storage Box Weight(kg/m)	14
Elevation per Revolution (mm)	240

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

GST Rigid Lift Chain 60A



Product Features

1. ALLOWS LONG TRAVEL WITH HEAVY LIFTING CAPACITY.
2. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
3. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
4. RATED SPEED UP TO 300mm/s.
5. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

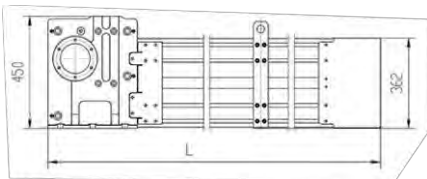
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Product Description

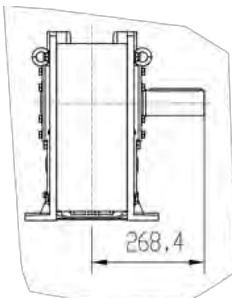
The 60A lift chain is specifically designed for heaving the payload through a long distance in theatre and touring production settings. Its reliable lifting motion is driven by a durable sprocket gear - chain mechanism. This product is the perfect choice in theater or auditorium settings, like the side auxiliary lifting platform, side car offset platform and the choral risers, or temporary stage settings, for example, a scissor lifting platform.

Dimensions

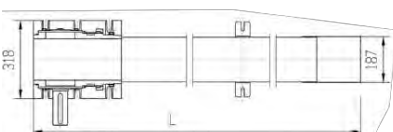
Front View



Side View



Top View



Specifications

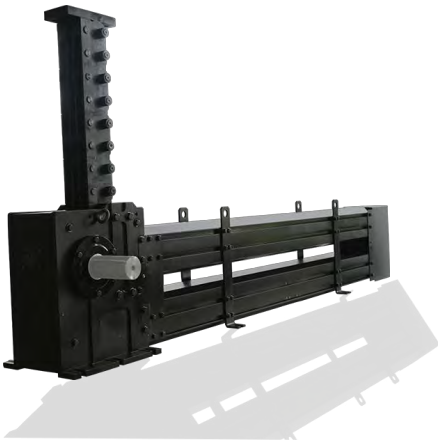
Max Static Load (KN)/ Allowed Travel(m)	90/2
Allowed Static Load (KN)/ Max Travel (m)	35/5
Max Dynamic Load (KN)/ Allowed Travel (m)	60/2
Allowed Dynamic Load (KN)/ Max Travel (m)	25/5
Rated Speed (mm/s)	300
Initial Height (mm)	450
Energy Efficiency(%)	80
Chain Weight(kg/m)	36
Chain Pitch(mm)	60
Driving Unit Weight(kg)	86
Radius of the Pinion(mm)	60
Chain Storage Box Weight(kg/m)	14
Elevation per Revolution (mm)	360

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

GST Rigid Lift Chain 80A



Product Features

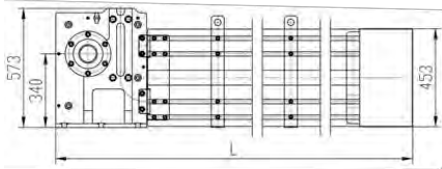
1. ALLOWS LONG TRAVEL WITH HEAVY LIFTING CAPACITY.
2. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
3. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
4. RATED SPEED UP TO 300mm/s.
5. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

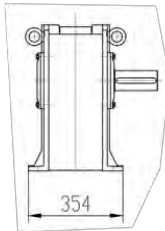
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Dimensions

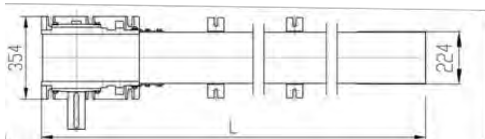
Front View



Side View



Top View



Product Description

The 80A lift chain is specifically designed for heaving the payload through a long distance in theatre and touring production settings. Its reliable lifting motion is driven by a durable sprocket gear - chain mechanism. This product is the perfect choice in theater or auditorium settings, such as the orchestra lift, the main stage lifting platform and the choral risers.

Specifications

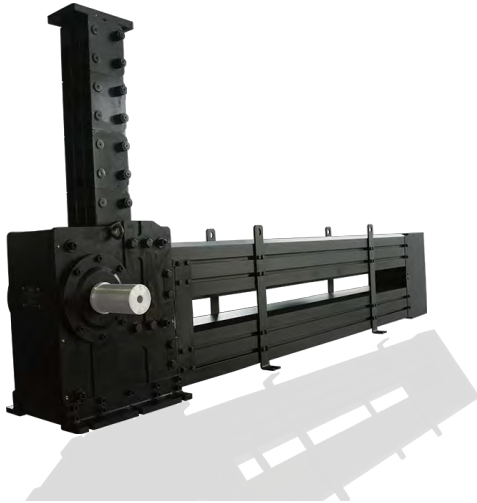
Max Static Load (KN)/ Allowed Travel(m)	130/3
Allowed Static Load (KN)/ Max Travel (m)	35/8
Max Dynamic Load (KN)/ Allowed Travel (m)	95/3
Allowed Dynamic Load (KN)/ Max Travel (m)	35/8
Rated Speed (mm/s)	300
Initial Height (mm)	500
Energy Efficiency(%)	80
Chain Weight(kg/m)	49
Chain Pitch(mm)	80
Driving Unit Weight(kg)	151
Radius of the Pinion(mm)	80
Chain Storage Box Weight(kg/m)	18.3
Elevation per Revolution (mm)	480

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

GST Rigid Lift Chain 100A



Product Features

1. ALLOWS LONG TRAVEL WITH HEAVY LIFTING CAPACITY.
2. UNPARALLELED STABILITY WITH ACCURATE CONTROL.
3. RUNNING AT A CONSTANT VELOCITY WITH A LONG LIFESPAN.
4. RATED SPEED UP TO 300mm/s.
5. HIGHLY VERSATILE AND EASY FOR CONFIGURATION AND THEATER INSTALLATION.

Mechanical Components

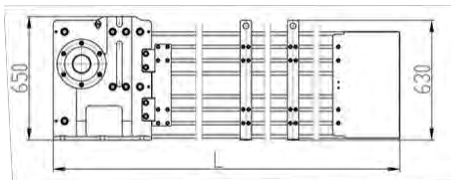
Sprocket, Sprocket box, Thrust chain, Storage chain box, Silent guide rail etc.

Product Description

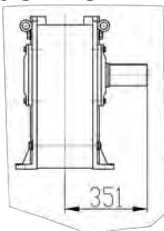
The 100A lift chain is specifically designed for heaving the payload through a long distance in theatre and touring production settings. Its reliable lifting motion is driven by a durable sprocket gear - chain mechanism. This product is the perfect choice in theater or auditorium settings, such as the orchestra lift, the main stage lifting platform and the choral risers.

Dimensions

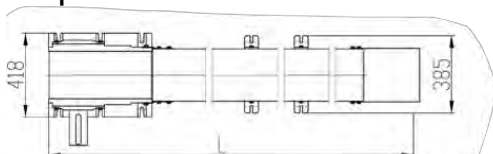
Front View



Side View



Top View



Specifications

Max Static Load (KN)/ Allowed Travel(m)	200/3.5
Allowed Static Load (KN)/ Max Travel (m)	20/10
Max Dynamic Load (KN)/ Allowed Travel (m)	150/5
Allowed Dynamic Load (KN)/ Max Travel (m)	20/10
Rated Speed (mm/s)	300
Initial Height (mm)	650
Energy Efficiency(%)	80
Chain Weight(kg/m)	68.5
Chain Pitch(mm)	100
Driving Unit Weight(kg)	232
Radius of the Pinion(mm)	100
Chain Storage Box Weight(kg/m)	23.7
Elevation per Revolution (mm)	600

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



GST-RIGD

Stage Lift with Rigid Chain Technology(RCT)



Product Features

1. HIGH STABILITY AND PRECISION.
2. WORKING SMOOTHLY WITH A LONG SERVICE LIFE.
3. STANDARD LIFTING VELOCITY UP TO 150mm/s.
4. EASY TO CONFIGURE AND INSTALL.

Product Characteristics

Rigid chains can bear vertical loads and horizontal loads, and each chain is designed to be compactly stored in chain box.

Versatile configurations according to loads, using single chain, double chains, or multiple chains to make sure the stage is secure and stable, and easy to use.

Designed with safety precautions, which is quiet and reliable.

Power and speed output remains constant during operation, and is directly proportional to the speed of the reducer.

Compatible for digitalized control systems and inverter control, granting precision and safety.

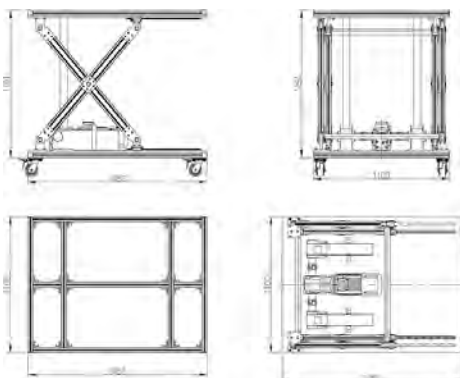
Mechanical Components

Electric motor, Reducer, Chain lift, Guiding racks, Stage platform and X-bracings.



DRIVEN BY RIGID CHAIN TECHNOLOGY. GRANTING HIGH PRECISION AND ACCURACY.

Dimensions



Specifications

Model	SL500
Load Capacity (kg)	≤500
Stage Dimensions(mm)	1450x1100
Elevation(mm)	500
Minimum Height (from the ground)(mm)	400
Maximum Height (from the ground)(mm)	900
Customized Elevation(mm)	550-600

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



WIRELESS MOTOR HOIST





Incredibly Long-Lasting Battery Life

Powered by a high-capacity 5000mAh battery

5000mAh
Power Battery

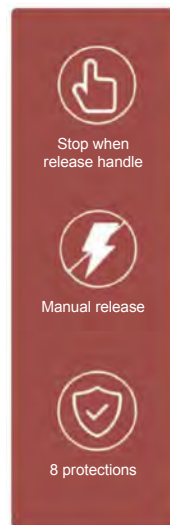
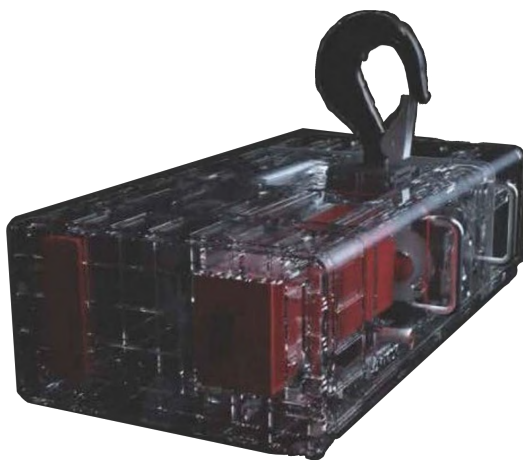
168 Hours
Standby time

29kg
Net weight

Energy Management System

A single energy block can support a 800kg load and travel a distance of 144 meters. The independently developed energy management system provides active protection against over-discharge, under-voltage, over-current, short circuits, high and low temperatures.

EXCELLENT PERFORMANCE



1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



App Control: One-Click Control for Multiple Devices

Freely editable, simultaneous rise and fall



Wide Range
Unrestricted



Built-in tutorials are
simple and easy to
understand



Rich accessories to
meet diverse
needs



Product Parameters

- I Appearance Material: Aerospace Aluminum Alloy
- I Body Size: 510 x 140 x 257 (mm)
- I Battery Capacity: 5000mAh Power Battery
- I Battery Specification: 36V/180Wh
- I Unit Weight : 33kg
- I Safety Factor: 5x
- I Rated Load: 1000kg
- I Lifting Speed: 3.6m/min
- I Lowering Speed: 2m/min
- I Chain Length: 20m (other lengths available)
- I Chain Breaking Force: 7.2x
- I Limit Switch: Upper/Lower Electronic Limit
- I Noise: 67DB
- I Brake: Maintenance-Free Electromagnetic Brake
- I Protection Level: IPX4
- I Standby Duration: 168 Hours
- I 800kg Endurance: 144m (round trip)
- I WIFI: Standard
- I Wireless Frequency Band: 2.4 GHz

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



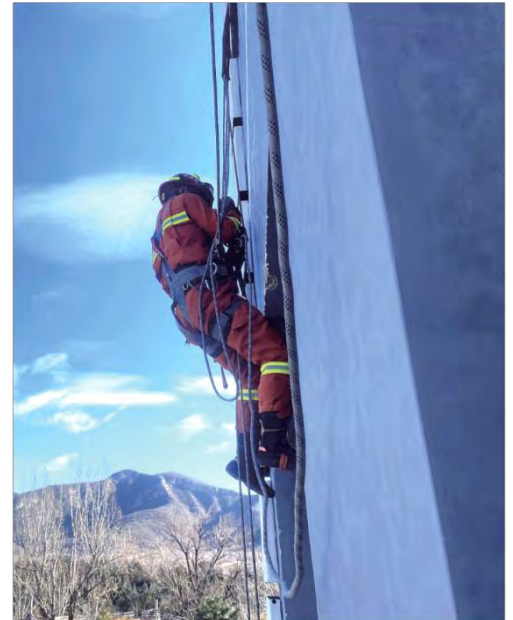
AUTO ASCENDER





PRODUCT INTRODUCTION

- Fast, safe, and reliable mini spider, efficiently taking you to the required height, depth, or complex terrain for installation, inspection, maintenance, repair, rescue, and more.
- Made of aluminum alloy, lightweight, durable, and easy to install and disassemble. Internationally certified ropes and batteries ensure safety, flexibility, and longevity, saving time and reducing costs.



APPLICATION AREAS OF PRODUCTS

Multi core function



Tower Work

- Power Tower Maintenance
- Telecom Tower Maintenance



Rescue Services

- Mountain Rescue
- Urban Rescue
- Firefighting Rescue



Aerial Work

- High-Rise Building Cleaning
- Exterior Facade Maintenance
- Lifting Equipment and Objects

Industrial Services

- Chimney/Silo Maintenance
- Tree Care Services
- Oil & Gas Services
- Mining Exploration

Other Services

- Work in Confined Spaces
- Construction Engineering
- Bridge Inspection

Rope Access

- Rope Access Services and Training

Wind Power

- Wind Turbine Maintenance
- Blade Cleaning and Maintenance



PRODUCT FEATURES

Independently Developed Energy Management System

- Fast Charging, Long Battery Life
- Equipped with Overcharge, Under-Voltage, Over-Current, Over-Discharge, Short-Circuit, and High/Low Temperature Protection
- Remote Wireless Control with Stable Signal



200KG

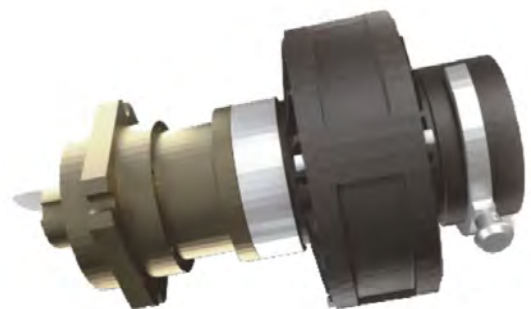
Single block support

360M

Round Trip 120KG load

Enhanced Performance Drive Assembly for a Better User Experience

- Digital Motor: Low heat generation, stepless speed regulation, precise speed control
- Multi-stage Planetary Gearbox: Compact size, high torque, ample power
- Power Loss Brake: Automatic braking when power is cut, eliminating risk of loss of control





FUNCTION INTRODUCTION

USAGE METHOD



Rotary Handle

(Adjust response speed by rotating for depth adjustment)

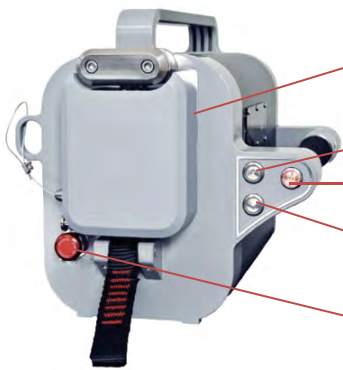


Battery Remaining Display

(Shows remaining charge and voltage)

WIFI Window

(Max distance 100m)



Guide Pulley

(Compatible with 10mm-12mm static ropes meeting EN1891 standards)

Up Direction Confirmation

Power Button

Down Direction Confirmation

Emergency Stop Switch



Manual Release Button

(Manual descent under load when there is no power)



Power Battery - 5000mAh Capacity

(Compliant with IEC62133-2017 certification)

Constant-Speed Motor

(1000W power, load capacity up to 200kg)





PRODUCT PARAMETERS



Generation 1 Smart Spider

Generation: 1.0

Model: Smart Spider Pro

Material: Full Aluminum Alloy Body

Dimensions: 330 x 270 x 267 mm

Unit Weight: 14.65KG

Battery: 5000mAh Power Battery

Voltage: 36V

Speed:

Lifting: 0-20m/min, stepless speed control

Lowering: 0-30m/min, stepless speed control

Charging Time: 2.5 hours

Power: 1000W

Safety Load: 200KG

Operating Distance (Single Battery): 360M round trip (120KG load)

Manual Release for No Power Descent

Emergency Stop: Yes

Operating Temperature: -20°C to +50°C

Protection Level: IP54

Standard Safety Hook: D-type Safety Hook x1

WIFI: Standard

Charger: Single charger x1

Optional Accessories: Fast charger or optional "one charger ten stations" charging station

Rope Requirements: Compliant with EN1891A standard, rope diameter 10-11mm (length optional)



PRODUCT PARAMETERS



Generation 2 Smart Spider

- | **Generation:** 2.0
- | **Model:** Smart Spider Max
- | **Material:** Full Aluminum Alloy Body
- | **Dimensions:** 332 x 263.3 x 268.5 (mm)
- | **Unit Weight:** 14.85KG
- | **Battery:** 5000mAh Power Battery
- | **Voltage:** 36V
- | **Speed:**
 - Lifting: 0-22m/min, stepless speed control
 - Lowering: 0-30m/min, stepless speed control
- | **Charging Time:** 140 minutes
- | **Power:** 1000W
- | **Safety Load:** 200KG
- | **Operating Distance (Single Battery):** 450M round trip (100KG load)
- | **Manual Release for No Power Descent:** Yes
- | **Emergency Stop:** Yes
- | **Operating Temperature:** -20°C to +50°C
- | **Protection Level:** IP65
- | **Max Working Load:** 250kg
- | **Built-in WIFI:** APP Remote Control
- | **Remote Control Distance:** Max 100m
- | **Rope Requirements:** Compliant with EN1891A standard, rope diameter 10-11mm (length optional)



CUSTOMER CASE



The Smart Spider Electric Lift is used in Italy for cave exploration.



Australian customer performing exterior facade maintenance on high-rise buildings



Ukrainian customer handling aerial cargo lifting



Italian customer conducting power maintenance and inspections



Thai customer providing rope access training



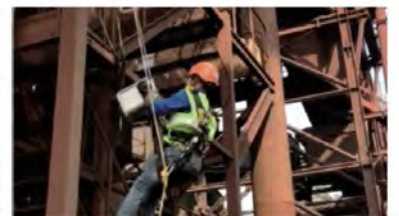
Thai customer performing maintenance and cleaning of architectural sculptures



UK customer maintaining wind turbines



Maintenance and repair of wind turbines



Indian customer conducting equipment maintenance and inspections in a steel plant



GST Gear Portable Speed Power Ascender

Stock#NGSTG12-4145-L5

High Speed Portable Ascender

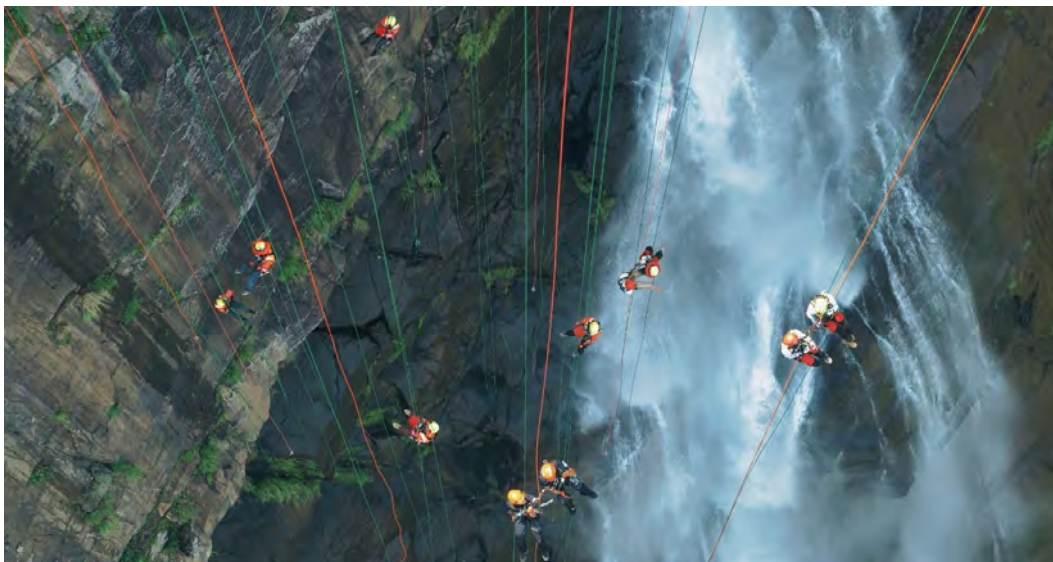


- For rescue, military single person mission
- Portable and light weighted of 8kg
- SWL 100kg, variable speed, remote distance 180 meter
- Fast to approach target
- Battery detachable
- Size: 260mm*160mm*240mm

1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg



Rope	Professional grade static rope (EN1891A 11mm)
SWL	100kg
Movement	Up down + horizontal + diagonal
Variable Speed	√
Ascending Speed	0-70m/min 100kg
Descending Speed	0-100m/min 100kg
Horizontal Speed	0-70m/min 100kg
Detachable Battery	√
Battery Weight	2.5kg
Nit Weight	10.5kg
Size	260mm*160mm*240mm
Battery Duration (Back and Forth)	500m/100kg
Constant Ascending	250m/100kg
Remote Distance	0 ~180m(when no interference)
Charging Time	< 60min
IP Level	IP54
Temp	-20°C ~ +60°C
Manual Descend	√
Heat Protection	√



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We proudly serve a diverse clientele spanning industries such as nightclubs, live entertainment venues, immersive experiences, educational institutions, themed malls, theaters, theme parks, and touring productions. Whatever your equipment needs may be, GST GEAR is committed to delivering the most suitable products and cost-effective solutions to bring your vision to life.





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