

2024-2025 Product Catalog





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THE RIGHT TOOL FOR THE JOB IS A NECESSITY NOT AN ACCESSORY



AxelCut™ The Emergency Cable Cutter

PN: ZL-1000-1 | NSN: 5110-01-521-1998

- True one-handed cutting capability for airborne hoist cables.
- Light weight, cuts clean, fast and easy and allows for repeated cutting capability.
- Reduces life cycle costs, less expensive than hoist squib and refire kits.
- Permits hoist installed squib to be used as the backup cable cutter.
- Solves the reliability problem with existing cutters, eliminating inadvertent releases, and no-fire possibility.
- Unaffected by EMI, lightning or any other possible hoist system failures.
- Qualified to +160°F (+71°C), -40°F (-40°C), Salt Fog, and Endurance



QuickSplice™ with Slide-Lok Hook

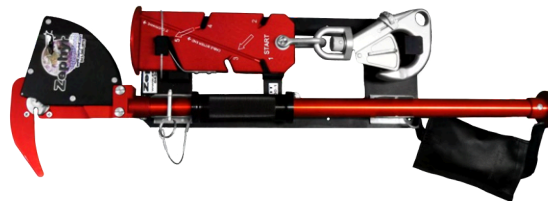
PN: ZL-6000-3 | NSN: 4030-01-600-6137

- The QuickSplice allows a fast and safe method of attaching a rescue hook when all else fails, allowing the mission to be completed.
- It is intended to replace the rescue hook if the cable becomes entangled and must be cut, or if the cable breaks.
- The QuickSplice has been tested to hold loads up to 2500 lbs (1133.98 kg).

“THE AXELCUT IS THE ONLY ONE-HANDED RESCUE HOIST CABLE CUTTER AVAILABLE WORLDWIDE TOTALLY INDEPENDENT OF THE RESCUE HOIST AND AIRCRAFT SYSTEM.”

E-Kit™ with Slide-Lok Hook

PN: ZL-1100-1 | NSN: 1560-01-543-3257



The E-Kit™ contains the AxelCut™ and QuickSplice™ mounted on a back plate, which allows for the equipment to be mounted on the aircraft for easy access when needed.

ENHANCE RESCUE HOIST MISSIONS DURING LOW VISIBILITY OR NIGHT OPERATIONS

The DarkLight™ G2 is an infrared LED device equipped with IR, green and red LEDs.

It is used to illuminate the hook assembly it is used to enhance your rescue hoist mission during low visibility or night operations. Regardless of weather conditions, the DarkLight G2 is ideal for improving visibility during rescue hoist missions. The DarkLight G2 can be a simple and effective method of signaling between ground crew and hoist operators.



The DarkLight G2 is designed for easy installation and maintenance. The device hinges open and utilizes a captured spring loaded latch pin. It can be installed and removed in just seconds with no hook disassembly.



DARKLIGHT™ G2B

(For use with Breeze Style Hooks)

PN: ZRG-6000-1

NSN: 6210-01-682-2506

Weight: 1 lb (0.5 kg)

Height: 1.3 in. (3.2 cm)

Width: 5.2 in. (13.2 cm)



DARKLIGHT™ G2G

For use with most Goodrich Style Hooks; not for use with the EC145 or EC135, or LUH Installations)

PN: ZRG-7000-1

NSN: 6230-01-692-2585

Weight: 1.1 lb (0.5 kg)

Height: 1.3 in. (3.3 cm)

Width: 6.1 in. (15.5 cm)



DARKLIGHT™ G2H

(For use with the EC145 and LUH Installations, Not for use with the EC135)

PN: ZRG-8000-1

NSN: Not Available

Weight: 1.10 lb (0.50 kg)

Height: 1.25 in. (3.18 cm)

Width: 8 in. (20.32 cm)

“ NEVER LOSE SIGHT OF THE END OF THE CABLE! NO AIRWORTHINESS CERTIFICATION REQUIRED! NO HOOK DISASSEMBLY! EASY TO INSTALL ON THE HOOK AND TO CHANGE THE BATTERY! ”

Specifications:

- No airworthiness certification is required
- No Hook Disassembly
- Compatible with Breeze and most Goodrich hooks.
- NVG compatible infrared LEDs for covert operations.
- Designed for easy use, installation and maintenance.
- Constructed of impact resistant polycarbonate
- Dust and water resistant
- Powered by single CR123A lithium battery (30+ hours battery life)

BE PREPARED FOR YOUR NEXT RESCUE OPERATION



During your hoist operation if your cable becomes entangled, with the AxelCut and QuickSplice on hand, you will be have the capability to easily and quickly cut the cable, attach the emergency hook, and complete your rescue mission!

- AxelCut, QuickSplice, and DarkLight contained in a corrosion control Emergency Bag.
- Ready to pick up and go when needed
- Store where there is available space in the helicopter cabin.
- No airworthiness certification is required since none of the tools are permanently attached to the helicopter



ZL-1051-0 | NSN: Not Assigned
Contains E-Bag and AxelCut



ZL-1051-1 | NSN: Not Assigned
Contains E-Bag, AxelCut, and QuickSplice with Slide-Lok Hook



ZL-1051-2 | NSN: Not Assigned
Contains E-Bag, AxelCut, QuickSplice with Slide-Lok Hook, and DarkLight G2B for use with Breeze style hoists



ZL-1051-3 | NSN: Not Assigned
Contains E-Bag, AxelCut, QuickSplice with Slide-Lok Hook, and DarkLight G2G for use with most Goodrich style hoists; NOT FOR USE with the EC145 or EC135 and Lakota Installations.



ZL-1051-4 | NSN: Not Assigned
Contains E-Bag, AxelCut, and DarkLight G2B for use with Breeze style hoists



ZL-1051-5 | NSN: Not Assigned
Contains E-Bag, AxelCut and DarkLight G2G for use with most Goodrich style hoists; NOT FOR USE with the EC145 or EC135 and Lakota Installations.



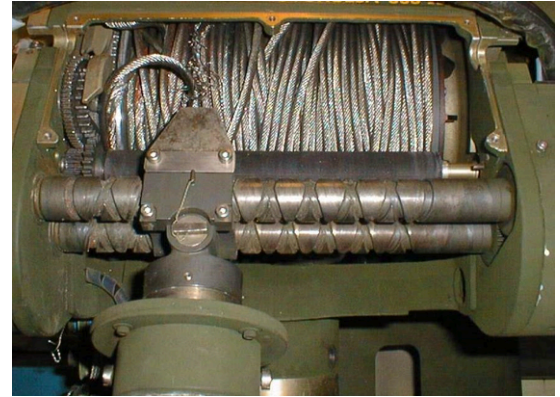
ZL-1051-6 | NSN: Not Assigned
Contains E-Bag, AxelCut and DarkLight G2H for use with Breeze style hoists.



ZL-1051-7 | NSN: Not Assigned
Contains E-Bag, AxelCut, QuickSplice with Slide-Lok Hook and DarkLight G2H

CABLE CARE IS CRITICAL TO THE SUCCESS OF THE MISSION

Historically hoist failures occur when the hoist is run under no load. This can cause the cable to get loose on the drum, which can foul the rescue hoist mechanism. Because the tensioning systems that are in use today only provide approximately 7 to 20 lbs. (3.18 to 9.07 kg) of force on the cable, it can easily lead to cable mis-wrapping during inspections and maintenance. If the cable mis-wraps on the lower layers when winding, the cable can foul in flight putting the crew and the mission in jeopardy. Consequently, the damage can cost thousands of dollars in repair and significant down time.



The RHGSE has demonstrated itself to be a cost effective safety tool when tensioning, cleaning, lubricating, drying, inspecting the hoist cable after each mission and/or at hoist and cable maintenance intervals.

- All models are compatible with the Magnetic Rescue Hoist Wire Rope Inspection System (MagSens™).
- Prevents cable fouling during hoist maintenance by applying positive tension on the cable at all times.
- Prevents hoist drum and cable corrosion, by cleaning, drying and lubricating the cable.
- The Lubridryer has a shut-off valve so you can change it to lubricate the cable or shut off the lubrication for degreased cables.
- Prevents cable damage during load tests.
- The load is adjustable via two simple adjustments.
- Eliminates cable kinking and twisting risk by keeping the cable off the ground and in a protective enclosure during hoist maintenance.
- Eliminates unnecessary cable handling risk and avoids any possibility of getting the hands entangled in the cable.
- Allows one person to perform all inspections and maintenance in a minimum amount of time.
- Will accommodate any installed rescue hook, hand wheel, crushable bumper or all three if they are attached to the end of the cable, and will accommodate up to 300 feet of cable.
- Allows easier installation of new cables and conditions them rapidly.
- Allows reseating the cable without having to fly the helicopter.
- Allows users to maintain the hoist and cable in confined spaces avoiding excess dirt and grime and out of harm's way.
- Saves on fuel costs, blade time, and manpower by operating maintenance while the aircraft on the ground.
- Prevents costly damage during ground inspections and maintenance.
- It is easily transported by one person, forklift or tug.



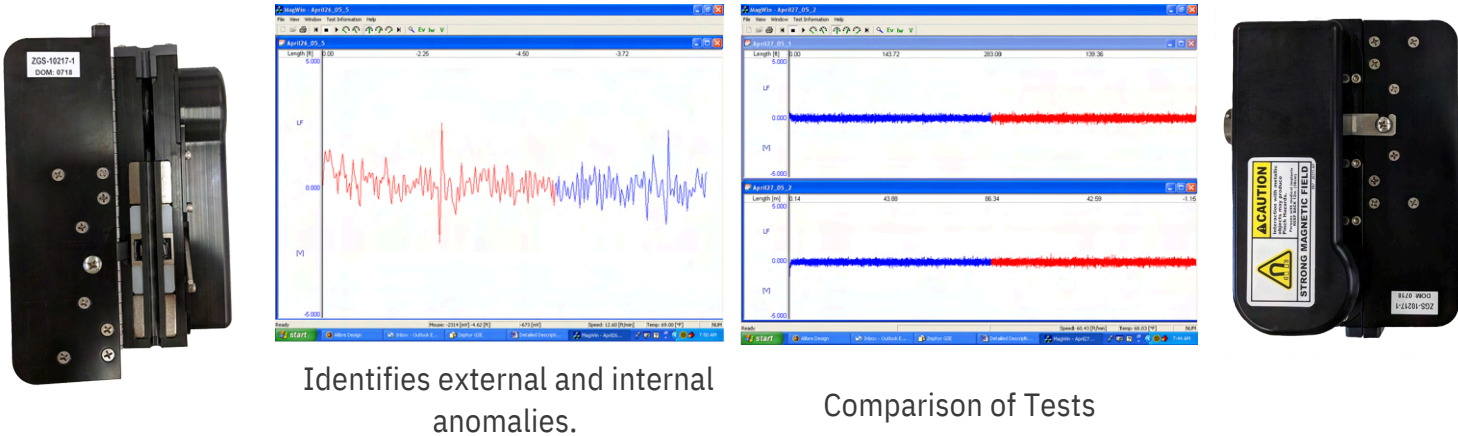
RHGSE™



IDENTIFY AND RECORD CABLE STRUCTURAL INTEGRITY TO PROTECT EQUIPMENT AND OPERATORS

Using Magnetic flux leakage cable inspection, the Magnetic Inspection System (MagSens™) can identify defects such as broken wires, severe abrasion, necking down, heat damage, corrosion, and internal damage in the cable quickly and efficiently by one person in a confined space. There is no other way currently that the cable inspections can be performed effectively and efficiently by humans.

The dedicated laptop records the results of the inspections, including: the rescue hoist identification, the date of the test, the results of the test, the amount of cable that was run, and the magnetic signature of the wire rope for future reference.



Identifies external and internal anomalies.

Comparison of Tests

MagSens™

PN: ZGS-15000-3 | NSN: 3950-01-580-1775

- Provides objective evidence of the cable inspection, which can reduce warranty claims and protects stockholders.
- Inspects all 133 wires of the cable electromagnetically internally and externally during ground maintenance.
- Capability to measure and record locations of defects in the rescue hoist cable and provides a permanent record of the cable's structural integrity.
- Provides near real time Health & Usage Monitoring System (HUMS) for the cable.
- Provides a baseline of the cable when it is installed which can then be used during future inspections for comparisons.
- Tracks the effects of the helicopter and hoist operation and maintenance techniques upon the rescue hoist cable physical condition over time and provide comparison data.
- Provides objective evidence that the cable was in an acceptable condition before the mission.
- Detects internal and external damage that may occur as a result of the rescue hoist usage in a minimum amount of time, including:
 - Broken wires
 - Cut or broken strands
 - Cable corrosion
 - Manufacturing welded wires
 - Static discharge
 - Damage due to drum turnaround
 - Dynamic overloads to the cable
 - Severe pitting and crushing
- Eliminates unnecessary replacement of the cables until required.
- A database of faults has been collected, and interpretation guide is provided with each system.
- Information may be downloaded to a central location via the internet for users with remote bases.



Hydraulic Rescue Hoist Ground Support Equipment

- The Hydraulic RHGSE was designed for the high end and heavy SAR users in mind. It allows continual use without over heating.
- Cable tensioning, cleaning, lubricating, and desalination system standard.
- Onboard compressor for drying the cable standard.
- Fully automatic onboard battery charging system standard.
- Fully sealed Advanced Glass Mat lead acid battery system- air transportable standard.
- 24 Volts Electro-hydraulic drive
- Uses Mil-H-83282 or Mil-H-5606 hydraulic fluid
- Comes standard with 4 Groove Capstans

Technical Specifications

- Maximum load retracting 600 lbs / 272.2 kg
- Minimum load retracting 10 lbs/ 4.5 kg
- Maximum load extending 200 lbs/ 90.7 kg
- Maximum speed extending and retracting 350 FPM
- Maximum length cable – 300 ft / 91.4 m
- Load Indication standard
- Length Indication standard
- Input Power
 - 110 VAC
 - 220 VAC
- Dimensional Data
 - Length 48 in (121.9cm)
 - Width 36 in (91.4cm)
 - Height 60 in (152.4 cm)
 - Can be configured be configured to to 38in (96.5 cm for transport inside the helicopter)
 - Weight 700lbs (318kg): easily transported by 1 person, forklift or tug.



Models and Configurations

In addition to standard models, Zephyr also offers CE compliant versions of the Hydraulic RHGSE. The difference between the standard versions and the CE compliant versions is that the CE version includes an additional cover around the capstans. It also includes an electrical circuit change to add a safety relay and two proximity switches along with an emergency stop switch. These changes are to meet the CE requirements for Europe. The primary difference to the users are the additional cover and if one of the covers are opened or the E-stop switch is activated, the units must be reset, by punching a reset button before it can be restarted to prevent the unit from starting by itself upon cover closing or E-stop reset.



Model: ZGS-10000-5-5 | NSN: 4920-01-689-9561

Hydraulic RHGSE with Four Groove Capstans (DOES NOT) include MagSens

Configuration: ZGS-10000-5-5-110-B 110 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-5-5-220-B 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-5-5-110-G 110 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-10000-5-5-220-G 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

Model: ZGS-10000-5-5-CE | NSN: Not Assigned

Hydraulic RHGSE with Four Groove Capstans CE COMPLIANT (Does not include MagSens)

Configuration: ZGS-10000-5-5-220-B-CE 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-5-5-220-G-CE 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

not yet pictured

Model: ZGS-10000-7 | NSN: Not Assigned

Hydraulic RHGSE with Four Groove Capstans and MagSens

Configuration: ZGS-10000-7-110-B 110 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-7-220-B 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-7-110-G 110 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-10000-7-220-G 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists



Model: ZGS-10000-7-CE | NSN: Not Assigned

Hydraulic RHGSE with Four Groove Capstans and MagSens CE COMPLIANT

Configuration: ZGS-10000-7-220-B-CE 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-7-220-G-CE 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

not yet pictured

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Model: ZGS-10000-10 | NSN: Not Assigned

Mobile Hydraulic RHGSE with Four Groove Capstans, High Work Platform, and MagSens

Configuration: ZGS-10000-10-110-B 110 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-220-B 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-110-G 110 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-10000-10-220-G 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

not yet pictured



Model: ZGS-10000-10-CE | NSN: Not Assigned

Hydraulic RHGSE with Four Groove Capstans, High Work Platform, CE COMPLIANT, and includes the MagSens

Configuration: ZGS-10000-10-220-B-CE 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-220-G-CE 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Model: ZGS-10000-10-1 | NSN: Not Assigned

Mobile Hydraulic RHGSE with Four Groove Capstans and High Work Platform (DOES NOT include the MagSens)

Configuration: ZGS-10000-10-1-110-B 110 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-1-220-B 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-1-110-G 110 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-10000-10-1-220-G 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

not yet pictured

**Model: ZGS-10000-10-1-CE | NSN: Not Assigned**

Mobile Hydraulic RHGSE with Four Groove Capstans and High Work Platform CE COMPLIANT (DOES NOT include the MagSens)

Configuration: ZGS-10000-10-1-220-B-CE 220 volts, Four Groove Capstans PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-10000-10-1-220-G-CE 220 volts, Four Groove Capstans PN: ZGS-10892-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Electric Rescue Hoist Ground Support Equipment

The Electric RHGSE is built upon the Manual RHGSE; the operator attaches the rescue hoist cable and then just actuates the switch and the system is ready to extend the entire length of cable. The operator then engages the clutch system and the cable can be retracted while the load is displayed on the digital readout

- Incorporates an electric motor to extend the cable instead of requiring the operator to crank the handle.
- Manual crank handle is retained so that the tool can be used on the flight line in the manual mode.
- Provides great versatility and simplicity to the user. The Electric RHGSE will extend the rescue hoist cable at loads in excess of 25 lbs. / 11.3 kg.
- Allows the retracting of the cable with loads up to the rated load of the rescue hoist.
- Electrical power required is 110 VAC up to 10 amps or 220VAC up to 5 amps.
- The system includes the ability to wash, dry, and lubricate the cable
- Compatible with the MagSens rescue hoist cable inspection system
- Optional 3 Groove Capstans or 4 Groove Capstans

Technical Specifications

- Maximum load retracting 600 lbs / 272.2 kg
- Minimum load retracting 10 lbs / 4.5 kg
- Maximum load extending 50 lbs / 22.7 kg
- Maximum speed- unlimited
- Maximum length cable- 300 ft / 91.4 m
- Load indication- standard
- Cable cleaning and desalination system standard
- Input Power
 - 110 VAC 6 amps
 - 220 VAC 3 amps
- Dimensional Data:
 - Length - 28 in / 71.1cm
 - Width - 33 in / 83.8 cm
 - Height - 52 in / 132.1 cm
 - Weight - 600 lbs / 272.2 kg
- Easily transported by one person, forklift or tug.



Models and Configurations

In addition to standard models, Zephyr also offers CE compliant versions of the Electric RHGSE. The difference between the standard versions and the CE compliant versions is that the CE version includes an additional cover around the capstans. It also includes an electrical circuit change to add a safety relay and two proximity switches along with an emergency stop switch. These changes are to meet the CE requirements for Europe. The primary difference to the users are the additional cover and if one of the covers are opened or the E-stop switch is activated, the units must be reset, by punching a reset button before it can be restarted to prevent the unit from starting by itself upon cover closing or E-stop reset.

Model: ZGS-11300-1 | NSN: Not Assigned

Electric RHGSE with Three Groove Capstans
(DOES NOT include MagSens)

Configuration: ZGS-11300-1-110-B 110 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-1-110-G 110 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists

Configuration: ZGS-11300-1-220-B 220 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-1-220-G 220 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists



Model: ZGS-11300-1-CE | NSN: Not Assigned

Electric RHGSE with Three Groove Capstans CE COMPLIANT (DOES NOT include MagSens)

Configuration: ZGS-11300-1-220-B-CE 220 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-1-220-G-CE 220 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Model: ZGS-11300-2 | NSN: Not Assigned

Electric RHGSE with Three Groove Capstans and MagSens

Configuration: ZGS-11300-2-110-B 110 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-2-110-G 110 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists

Configuration: ZGS-11300-2-220-B 220 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-2-220-G 220 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists



Model: ZGS-11300-2-CE | NSN: Not Assigned

Electric RHGSE with Three Groove Capstans and MagSens CE COMPLIANT

Configuration: ZGS-11300-2-220-B-CE 220 volts, Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-2-220-G-CE 220 volts, Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Model: ZGS-11300-3 | NSN: 4920-01-690-0011

Electric RHGSE with Four Groove Capstans (DOES NOT include the MagSens)

Configuration: ZGS-11300-3-110-B 110 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-3-220-B 220 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-3-110-G 110 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-11300-3-220-G 220 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists



Model: ZGS-11300-3-CE | NSN: Not Assigned

Electric RHGSE with Four Groove Capstans, CE COMPLIANT (Does not include the MagSens)

Configuration: ZGS-11300-3-220-B-CE 220 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-3-220-G-CE 220 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Model: ZGS-11300-4 | NSN: Not Available

Electric RHGSE with Four Groove Capstans and MagSens

Configuration: ZGS-11300-4-110-B 110 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-4-220-B 220 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-4-110-G 110 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists

Configuration: ZGS-11300-4-220-G 220 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists



Model: ZGS-11300-4-CE | NSN: Not Assigned

Electric RHGSE with Four Groove Capstans and MagSens, CE COMPLIANT

Configuration: ZGS-11300-4-220-B-CE 220 volts, Four Groove Capstans
 PN: ZGS-10506-1 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11300-4-220-G-CE 220 volts, Four Groove Capstans
 PN: ZGS-10892-1 for use with Goodrich Style Hoists

CE marking indicates that this RHGSE has been assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

Manual Rescue Hoist Ground Support Equipment

The Manual RHGSE was designed for the rescue hoist user in order to provide a lower cost hoist and cable maintenance system. It requires human power to extend the cable instead of a hydraulic motor as supplied on the hydraulic version, while still providing all the other capabilities to tension, wash, dry, lubricate and inspect the rescue hoist cable.

- Manually operated by hand cranking while extending and automatic while retracting.
- Easily transported by one person, forklift or tug. Allows the retracting of the cable with loads up to the rated load of the rescue hoist.
- The system includes the ability to wash, dry, and lubricate the cable
- Compatible with the MagSens rescue hoist cable inspection system
- Comes standard with 3 Groove Capstans

Technical Specifications

- Maximum load retracting 600 lbs / 272.2 kg
- Minimum load retracting 10 lbs / 4.5 kg
- Maximum load extending 50 lbs / 22.7 kg
- Maximum speed- unlimited
- Maximum length cable- 300 ft / 91.4 m
- Cable cleaning and desalination system standard
- Dimensional Data:
 - Length - 28 in / 71.1cm
 - Width - 33 in / 83.8 cm
 - Height - 52 in / 132.1 cm
 - Weight - 580 lbs / 263.1 kg
- Easily transported by one person, forklift or tug.



Models and Configurations

Model: ZGS-11000-2v2 | NSN: 3950-01-580-0783

Manual RHGSE with Three Groove Capstans (DOES NOT include MagSens)

Configuration: ZGS-11000-2v2-B Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11000-2v2-G Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists



Model: ZGS-11000-4 | NSN: Not Assigned

Manual RHGSE with Three Groove Capstans and the MagSens

Configuration: ZGS-11000-4-B Three Groove Capstans PN: ZGS-12474-1 and PN: ZGS-12474-2 for use with Breeze-Eastern Style Hoists

Configuration: ZGS-11000-4-G Three Groove Capstans PN: ZGS-10113-20 and PN: ZGS-10113-20-1 for use with Goodrich Style Hoists

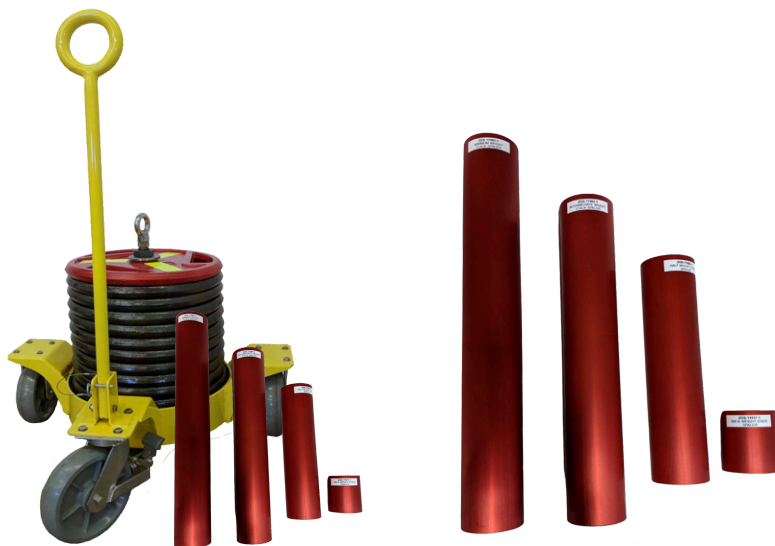


Weight Stack



PN: ZGS-11468-1
NSN: Not Assigned

Fixed Weight Stack Assembly
fixed 600 lbs (272.2kg)

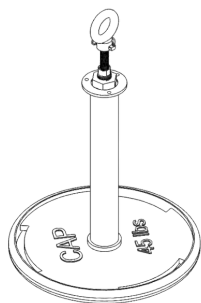


PN: ZGS-11468-2
NSN: 5110-01-695-1739

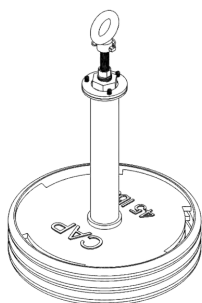
Adjustable Weight Stack Assembly:
Includes four weight adjustments
between approximately 71 lbs
(32.2 kg) and 600 lbs (272.2 kg)

PN: ZGS-11468-3
NSN: Not Assigned

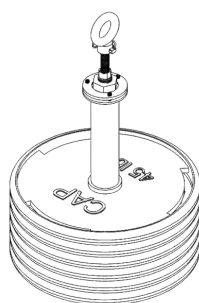
SPACERS ONLY
Four Adjustable Weight Spacers
between 71 lbs (32.29kg) and 600
lbs (272.2 kg), for use with ZGS
11468-1 Fixed Weight Stack
Assembly to obtain four different
weight stack configurations as
shown below



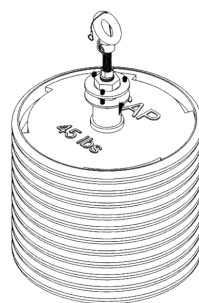
Approximately 71 lbs



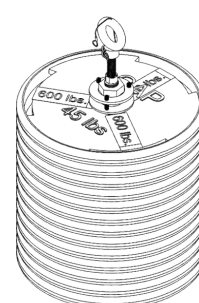
Approximately 160 lbs



Approximately 294 lbs



Approximately 500 lbs



Approximately 608 lbs

- Meet the Hoist OEM's requirement for testing the hoist
- Allows all the twist to work its way out of the cable.
- The adjustable weight stack is used to apply loads between approximately lbs (32.2 kg and 600 lbs (272.2kg)
- The fixed weight stack is used to only apply a 600lbs load (272.2kg)
- Uses a shock absorbing cable attachment point to protect the cable from shock loads.
- Has a trolley that can be used on the tarmac or other rough surfaces for easier maneuvering.
- Can be disassembled and moved by hand one weight at a time for transportation, deployments, or shipboard use.



Protect Your RHGSE



PN: ZGS-10487-3 | NSN: Not Available

Used on the Zephyr Hydraulic RHGSE without the CE Work Platform.
(Top only, color black)



PN: ZGS-11380-2 | NSN: Not Available

Protective Cover for use on the Zephyr Manual and Electric RHGSE.
(Top only, color black)



One piece top protective cover designed to protect assets from

- moisture based corrosion
- sand
- dust
- microbe contaminates
- salt
- sulfur-based pollutants
- ultraviolet light degradation
- creation of micro-environments

Protective Cover Features:

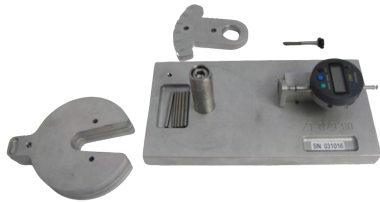
- lightweight
- packable
- easily installed and removed in all weather extremes
- field repairable and cleanable with soap and water.

Extend the Life of Your RHGSE

PN: ZMT-100-1 | Maintenance Tool Kit | NSN: 4920-01-692-7795

Comes in a pelican case and includes: ZT-029-00 Capstan Measurement Fixture, Digital Indicator, Push/Pull Linear Scale, Torque Gauge, T-handle Key Wrench, Combination Wrench, and Pins.

ZT-029-00 Zephyr Capstan Measurement Fixture



7/16 Combination Wrench

5/32 T-Handle Key Wrench

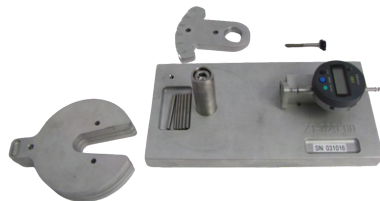
Push/Pull Linear Scale



PN: ZMT-100-3 | Basic Capstan Inspection Kit | NSN: Not Available

Comes in a pelican case and includes: ZT-029-00 Capstan Measurement Fixture with Digital Indicator, Qty2 Gauge Pins .185 and Additional Spare Digital Indicator.

ZT-029-00 Zephyr Capstan Measurement Fixture



Additional Digital Indicator



Tool Tote Kits

PN: ZGS-11547-1 | Manual & Electric Tote Tool Kit | NSN: Not Available

Comes in a Mini Tote and Consists of: Cable Reel Adapter Assy, Container of Lubridryer, Spring Scale, Torque Gauge, T-Handle Key Wrench, Combination Wrench, Pins, and Fuses

**Comes standard with new Manual and Electric RHGSE*



PN: ZGS-10934-1 | Hydraulic Tote Tool Kit | NSN: Not Available

Comes in a Mini Tote and Consists of: Cable Reel Adapter Assy, Container of Lubridryer, Spring Scale, Torque Gauge, T-Handle Key Wrench, Combination Wrench, Pins, Fuses, and Air Filter Element

**Comes standard with new Hydraulic RHGSE*



- The purpose of the RHGSE Maintenance kit is to readily have on hand the special tools needed to perform the tasks of measuring the capstans and adjusting the clutch drum to the Zephyr RHGSE.
- Following the recommendations of preventative maintenance for the Zephyr RHGSE will keep the RHGSE in the best operating condition position and will extend the life of the Zephyr RHGSE.



Work Platform

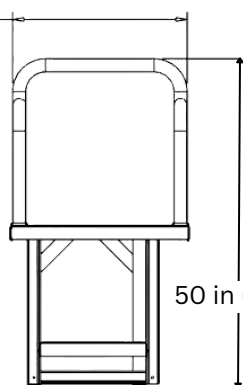
The work platform is for use only with the Hydraulic RHGSE and was designed after it was observed that many hoist maintainers were standing on the hydraulic oil tank of the RHGSE in order to reach the rescue hoist.

PN: ZGS-10457-1 Work Platform Railing
NSN: Not Available

PN: ZGS-10457-2 Work Platform Railing
CE Compliant
NSN: Not Available

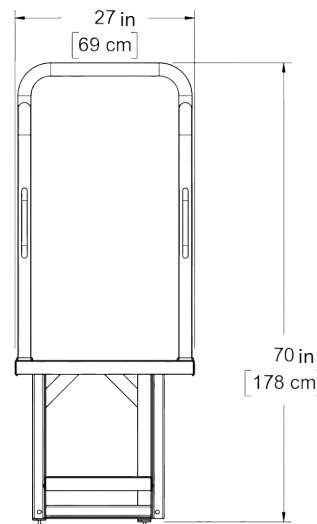


26.5 in
 (67.3 cm)



50 in (127 cm)

Dimensions



Dimensions



- Allows the RHGSE to double as a working platform to work on the rescue hoist.
- Only requires match drilling four holes and the assembling of the platform to retrofit to your RHGSE
- Height of the platform allows easy access to external hoists on medium-lift helicopters such as the UH60, NH90, S93, Bell-412 and similar size helicopters.