



USER INSTRUCTIONS



Ballast Bags

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lyon.co.uk/user-instructions

For more detailed user
information and to
download a PDF copy
of these instructions
follow the link above or
scan the QR code with
your smart phone



ORIGINAL INSTRUCTIONS

This information to be read and kept in conjunction with the Lyon Rated Bags User Instructions.

Note: In these instructions the Ballast Bag is referred to as 'the Bag'.

Use

The Bag is intended only to provide additional mass to a belayer, where there is a difference in body weights between the belayer and the climber, within the limits and restrictions defined by these User Instructions.

THE BAG IS NOT AN ANCHOR, NOR IS IT TO BE USED FOR LIFTING AND LOWERING OPERATIONS.

In use, the Bag is connected to the Belayer using the climber's rope and suitable compatible locking connectors as shown in the pictogram overleaf.

The Bag is positioned approximately 0.5 m from the Belayer and the rope connection between the Bag and the belay device tie in point on the Belayer's harness is adjusted to an appropriate length, limiting the amount of slack in the rope between the Belayer and the Bag. Knots must be correctly tied and adjusted. Connectors must be correctly orientated, closed and locked.

By using the Bag, the ability to dynamic belay is reduced. Always be attentive and vigilant while belaying, so that potential falls can be anticipated.

Do not allow the Bag to invert, putting load on the closure - risk of release of contents.

Always attach the rope connection between the Belayer and the Bag to both Bag attachment points.

It is recommended that the amount of mass contained in the Bag is clearly indicated on the Bag.

If you are unsure about the correct use of this product, please contact us.

Inspection

Follow the inspection information described in the Rated Bags User Instructions.

The pre-use check should also confirm that the Bag contains sufficient mass for the intended use.

End of document



Lyon Product Inspection Record

Product code	Product description	Year of manufacture	Purchase date
Length if applicable	Individual serial number	Date of first use	Certificate of conformity number
Manufacturer Lyon Equipment Ltd.	Address Unit 3-7 Tebay Business Park Old Tebay Penrith CA10 3SS UK	Tel. +44 (0)15396 24040 Fax. +44 (0)15396 26330 info@lyon.co.uk lyon.co.uk	Other relevant information

Record of inspection and repair

Date	Comments	Name and signature of competent inspector	Next due date

All user instructions supplied with this product must be kept as part of the product inspection record



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ORIGINAL INSTRUCTIONS

Quality assurance

Quality management system assessed and certified as meeting the requirements of ISO 9001.

Working Load Limit

Refer to the front cover of these instructions and markings on the Rated Bag. Please note that the working load limit refers to the total load on the attachment point: the combined weight of the Rated Bag and any accessories must not exceed this amount.

Note: In these instructions the Rated Bag is referred to as 'the Bag'.

WARNING

Make sure that you have read and understood these instructions before using this equipment.

These user instructions must be read and kept along with any other user information supplied with this product.

Where accessories are available refer to the user instructions supplied with the accessories.

Activities at height are hazardous and may lead to injury or death. It is the user's responsibility, at all times, to ensure that they understand the correct use of any equipment supplied by or through Lyon Equipment, use it only for the purposes for which it is designed, and practice proper safety procedures.

This product must not be used outside its limitations, or for any purpose other than those described in these user

instructions. Misuses forbidden in these instructions are examples only; many other misuses may exist which could lead to injury or death.

Check compatibility with other elements in the safety chain before using the Bag. The performance of the elements of the safety chain must not be compromised when the Bag is installed and in use.

Please note, the information in these user instructions is not exhaustive, and is not a substitute for comprehensive instruction and training by a competent person.

Lyon Equipment is not responsible for any consequences, whether direct, indirect or accidental, resulting from the use of its products.

If you are unsure about the correct use of this product, please contact us.

Always know the weight of the intended load before using the Bag. Do not overload the Bag.

Always select a Bag of suitable size and shape for the load, to minimise the risk of the load falling out while being lifted or lowered.

Always inspect the Bag before use. Refer to instructions for inspection.

Damage and wear significantly reduce Bag working load limits.

Do not place unprotected objects in the Bag that could cut, pierce or damage the Bag. Tools and sharp objects can

cause damage which can affect the strength of the bag. The plastic drum or liner supplied with some models of bag provides additional protection against damage.

A cut, damaged, overloaded or top-heavy Bag could release the contents causing damage, injury or death.

When carrying out work at height, maintain an appropriate exclusion zone.

Small objects should be suitably contained within the Bag, to prevent accidental spillage.

Who can use this equipment

This equipment should only be used by trained, competent and responsible persons, or the user should be under the direct supervision of a trained, competent and responsible person.

Activities at height should not be undertaken by persons whilst under the influence of alcohol or drugs, or whilst suffering from diabetes, epilepsy, fits, blackouts, fear of heights, vertigo / dizziness / difficulty with balance, heart disease / chest pain, high or low blood pressure, impaired limb function, obesity, psychiatric illness, musculoskeletal issues, e.g. a bad back.

General instructions for use

Equipment must be checked before each use, to ensure it is serviceable and operates correctly. Checks should also be carried out during use. In addition, a thorough inspection by a competent inspector should be carried out in strict

accordance with these user instructions, and a record kept of these inspections.

The lifting device and anchor points are of primary importance and should be unquestionably reliable. They should be strong enough to withstand the foreseeable maximum load that could be applied with an appropriate factor of safety. Take into account the possibility of the load becoming snagged, and any increase in forces which may result.

When selecting an anchor, the anticipated directions of loading and potential loads should be taken into account.

Anchors should not have sharp or rough edges which could damage equipment (use edge protection if necessary).

Use

This Bag is designed for lifting and lowering loads within the weight limits and restrictions defined by these User Instructions.

Always attach the lifting/lowering system as indicated on the label on the bag. If the bag is supplied with a connector, make sure that it is correctly orientated and fully closed.

All connections and bag closure systems must be checked for correct orientation, closure and locking before the lifting or lowering operation begins.

Always carry out lifting operations in accordance with the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) or local legislation relating to

lifting operations and lifting equipment in the country of use.

Maintaining your equipment

Detach any accessories, and remove any removable parts, e.g. protective sleeve or plastic drum. Wash in clean water not exceeding 30°C with pure soap and rinse in clean cold water. Do not use chemical products, solvents or detergents – these should be regarded as harmful.

Due to the difficulties in effectively disinfecting equipment, we recommend that any contaminated equipment should be withdrawn from use and disposed of in a suitable manner.

Equipment must be clean and dry before reassembly of components, if applicable, and storing. Always allow to dry naturally, away from direct heat. Equipment should be stored in a cool, dry, well-ventilated area, away from excessive heat, high humidity, sharp edges, corrosives, sunlight or other sources of ultraviolet light (UV) and other possible causes of damage.

After cleaning, the threads of the Maillon Rapide connectors (if supplied) should be lightly oiled.

If necessary, lubricate the hinged gate of any connectors supplied.

Zips (if fitted) can be lubricated using a suitable silicone-based lubricant. Wipe away and excess lubricant.

During transport, this product should be protected from abrasion, mechanical

damage, chemical contamination, UV and heat.

Textiles

Always keep textile items at temperatures between -30°C and +50°C.

Metal items

Always keep metal items at temperatures between -20°C and +60°C.

No alterations, additions or repairs may be made to this product without the manufacturer's prior written consent; if done, the repair must be carried out by a competent person for repair authorised by Lyon Equipment to make the repair, and in accordance with specified procedures.

These instructions must be strictly adhered to.

Inspection

A thorough inspection should be carried out at least every 6 months by a competent inspector in accordance with these user instructions. A record of these checks should be kept with the product along with these user instructions. In addition, interim inspections should be carried out where products are used intensively, or in particularly harsh environments where damage is more likely to occur, or where legislation or the type of equipment make it necessary.

Pre-use and thorough inspections are essential because the safety of the user

and other people in the vicinity depends on the continuing correct performance of this product.

Bags should be subject to:

- Pre-use checks
- Thorough inspections (at least once every 6 months)
- Interim inspections (as appropriate)

Check that any labels are still intact and readable.

The webbing should be checked by passing it slowly through the hands to detect for damage, e.g. small cuts in the edges, cuts across the face of the webbing, abrasion, softening or hardening of fibres, or ingress of contaminants. Pay particular attention to the inside of any webbing loops.

The whole bag and any accessories should be checked for damage, e.g. cuts, holes, burns, contamination, UV damage, signs of overloading and damage to stitching.

The Maillon Rapide and any connectors supplied should be checked for damage, e.g. signs of wear, corrosion or deformity. Check for correct functioning. If a Maillon Rapide is supplied, following inspection the nut must be correctly and completely screwed onto the bolt with no threads showing.

The plastic drum or liner (if supplied) should be checked for damage, e.g. cracks, splits or deformity. If a lid is supplied check for correct closure.

Zips and/or other closure systems should be checked for correct function, damage and deformation.

Any of these defects may affect the performance of the Bag.

The checks should be undertaken in good light. Any item showing any defect should be withdrawn from service immediately.

It is recommended the Bag is marked with the date of the next or last inspection.

If in any doubt as to the condition of the product, it should be withdrawn from use immediately and not used again unless confirmed by a competent person that it is acceptable to do so.

If the Bag comes into contact with any chemicals, remove it from service and dispose of it so it cannot be used again.

Lifetime, and when to withdraw your equipment from use

Withdraw your equipment from use if any one of the following applies:

- It shows sign of wear and tear / damage that may affect performance
- Markings on the product are no longer legible
- You suspect it may have been exposed to chemical contamination or extreme temperatures
- It fails a periodic inspection
- It has been dynamically loaded or excessively loaded
- It is more than 10 years after the date of manufacture (textile items or items with textile components). Metal items have a potentially

- indefinite lifespan if stored correctly.
- If you have any reason to doubt that it is safe to use.

It is the responsibility of the competent inspector to decide whether the equipment should be put back into use, or permanently withdrawn from use.

Equipment permanently withdrawn from use must be destroyed, and should be recycled where facilities exist.

Certain environmental elements will considerably accelerate wear: salt, sand, dust, snow, ice, moisture, chemicals, sunlight (UV radiation) – list not exhaustive.

Warning: the safe working life of this product may be as short as its first use in extreme circumstances.

If in doubt, do not hesitate to scrap this product.

Inspection records

A record must be kept for each component, subsystem and system, including name and contact details of the manufacturer or supplier; product description, serial number, year of manufacture, date of purchase, date of first use, any other relevant information, and history of periodic examinations and repairs, including dates and details of inspections and repairs, the name and signature of the competent inspector and the next due date for inspection.

An example of a suitable equipment record is shown on this user instruction and can also be downloaded at lyon.co.uk

Local jurisdiction may dictate that extra information be recorded in the inspection record – check your country's legal requirements. Some products may have features which need special monitoring during periodic inspections, e.g. wear indicators, in which case this information should also be recorded on the inspection record.

Guarantee

In the event of any defect in materials or workmanship please return the product to the dealer, distributor or manufacturer within 3 years of purchase for inspection. We will replace or repair as required. This guarantee does not cover normal wear and tear or accidental damage.

Note to resellers

If the product is re-sold outside the UK and Eire, but within the EU, the reseller is responsible for providing instructions for use, maintenance, periodic examination and for repair in the language of the country in which the product is to be used. The translations must bear the words 'Translation of the original instructions' (in the language of each version) and must be accompanied by the original instructions.

If you require the Intrastat commodity code / customs tariff code or NATO stock number (where applicable) for this product, please contact us via lyon.co.uk

Chemicals

Avoid all contact with chemical reagents that could affect the performance of the Rated Bag e.g. acids, caustic substances

and oxidising agents. Discard this product immediately if contamination is even suspected to have occurred.

Materials

The body of the Bag is PVC coated polyamide.

19 mm, 25 mm, 38 mm, 45 mm and

50 mm webbing is polypropylene,

45 mm webbing is polyester.

18 mm webbing is polyamide.

The thread is polyamide.

Maillon Rapide (if fitted) is galvanised steel.

Adjustment buckles are stainless steel.



Captive connectors are steel.

Customer's own marking/serialisation

Marking, if required, can be made by attaching a tag to the Bag. Ensure that any tags do not interfere with the function or performance of the Bag, and cannot be accidentally used as a means of attachment.

Alternatively, the Bag itself may be marked with an indelible laundrymarker, taking care that the ink does not contaminate any load bearing parts (webbing or stitching).

Markings

	Manufacturer's logo
	Refer to user instructions
idN	Individual serial number will be in the format YYDDD I 2345. The first two digits give the year of manufacture, the next three digits the day of the year from 001 to 365 and the five digits after is the number in the series
WLL	Working Load Limit in kg
xx Ltr	Capacity in litres (where xx is the volume) where marked.
L***	Product code

A label on the bag shows the correct configuration for lifting.

End of document

