

- MODEL -
S O L D I E R

BLACKSIRIUS[®] 

instruction manual
english

- MODEL -
G L A D I A T O R

CE

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1. INTRODUCTION

1.1 INTRODUCTION

Welcome to **BLACKSIRIUS®**,

we congratulate you on a very good investment in your personal safety and thank you for purchasing a **BLACKSIRIUS®** carrier system. You have made an excellent choice. Please take the time to carefully read the instruction manual. This instruction manual contains very important safety, usage, and maintenance information and instructions for the **BLACKSIRIUS® MODEL: GLADIATOR** and **MODEL: SOLDIER** carrier systems. Both models are PPE (personal protective equipment) and have been tested and certified in accordance with EN 13356:2001 by TÜV Rheinland LGA Products GmbH. The carrier systems are intended to increase your safety, but they are capable of much more. We hope you enjoy reading this manual. For further information, see our homepage **www.nddesign.eu** or our shop at **www.blacksirius.de**. If you have any further questions, please contact us at **info@blacksirius.de**. We take the quality of our products and the satisfaction of our customers very seriously.

1.2 USING THE INSTRUCTION MANUAL

Read this instruction manual carefully and ensure that you that you have understood its contents before you use the product. The product may only be used by persons who have read and understood this instruction manual in its entirety.

Always follow all the instructions. This helps avoid risks that may lead to property damage and/or severe or lethal injury. Ensure that every person that uses the carrier system has read this instruction manual and observes its contents. Keep all safety information and this instruction manual for later use and pass these on to subsequent users of the carrier system. The manufacturer is not liable for property damage or injury as a result of improper use or failure to observe the safety instructions. Improper use or failure to observe the safety instructions will void the warranty.

2. PRODUCT DESCRIPTION

2.1 PROPER USE AND PROBABLE MISUSE

The **BLACKSIRIUS®** carrier systems – **MODEL: GLADIATOR** und **MODEL: SOLDIER** – are intended as clothing or equipment for the recognition and protection of the wearer. The carrier systems are intended to be used for increasing visibility. The reflectors are highly reflective and light up in twilight, limited visibility, and at night. The carrier systems are intended to protect all persons (pedestrians, bicyclists, motor cyclists), with a chest-width of 70 cm and more during their outdoor activities in dark conditions.

The **BLACKSIRIUS®** carrier systems should not be used for protection against chemical risks, heat and fire, cold, electricity, or any other types of risks.

The product may only be used with the following original parts:

✦ **BLACKSIRIUS® POUCH**

The product may only be used in accordance with this instruction manual. Any use other than that described in this instruction manual constitutes improper use. Improper use can cause risk to humans, animals, and the environment.

2.2 PRODUCT DESCRIPTION

The **BLACKSIRIUS®** carrier systems are the result of specialists from the fields of medicine, orthopedics, military, sports, and engineering pooling their efforts and coordinating even the smallest measurements down to 0.5 mm. The carrier systems and the brand name are protected at European level by patents and a registered trademark, and they have undergone multiple testing and certification.

BLACKSIRIUS® is a fashion accessory with a system and a premium product **Made in Germany** intended for general outdoor, sports, leisure, and fashion activities. The carrier systems are PPE in accordance with EN 13356:2001 – Visibility accessories for non-professional use – and have been tested and certified by TÜV Rheinland. The product is a high-quality carrier system with detachable pouches that can be worn over clothing without restriction of movement. The integrated/removable slim, water-repellent reflector pouches offer barrier-free opening and closing and enough room for everyday utensils such as mobile phones, MP3 players, debit cards, ID cards, keys, energy bars, and much more.

There are two models available: **GLADIATOR** and **SOLDIER**.

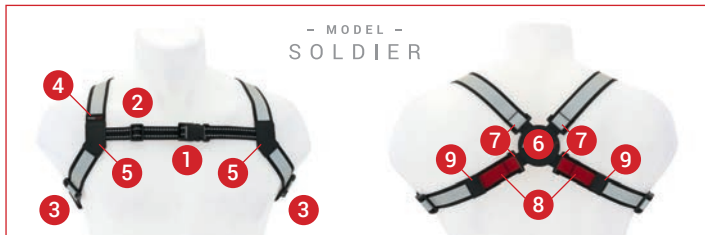
The carrier system **GLADIATOR** is worn over the left shoulder only, while the carrier system **SOLDIER** is worn over both shoulders. Wearing the model **SOLDIER** carrier system furthermore gently restrains the shoulders to ensure an upright posture while walking. An upright posture while walking reduces joint stress. The different models have different areas of application and can be chosen to meet specific requirements. Running, horseback riding, motorcycling, and bicycling are just a few examples of possible uses. Only the finest, highest-quality materials are specially-made and used for the product. Power strips have been incorporated to promote biomechanical processes. The specially developed swivel joint ensures that the **BLACKSIRIUS®** carrier system adapts to any physique, even during dynamic movements while exercising. This guarantees exceptional wearing comfort. In

addition, the carrier systems are extremely lightweight and, therefore, ideal for competition preparation training. However, the range of applications of the **BLACKSIRIUS®** carrier systems is not limited to sports. **BLACKSIRIUS®** is your faithful companion, even when just walking your dog. The range of uses is simply inexhaustible. An impressive effect that emphasizes design and lifestyle is produced by the high-quality integrated reflectors that light up and reflect powerfully in twilight, limited visibility, and at night. **BLACKSIRIUS®** simply facilitates everyday outdoor activities. Depending on model, sizes produced are chest circumference of 70 - 100 cm (XXXS - M) and 100 - 140 cm (M - XXXL). The carrier systems do not take on odors and are, furthermore, washable at 30° C.

The advantages at a glance:

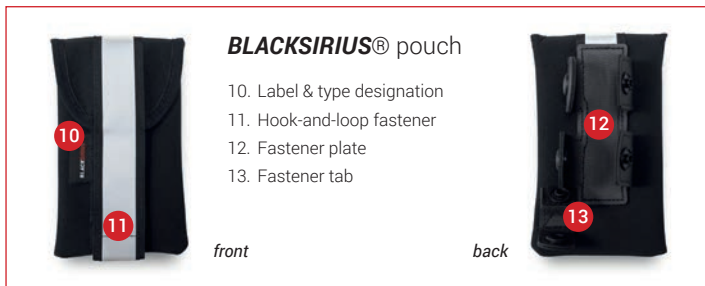
- ✦ The carrier systems can save lives by preventing accidents
- ✦ PPE certified in accordance with EN 13356:2001
- ✦ The carrier systems have various uses
- ✦ Extremely light and unique
- ✦ Individually adjustable to fit any physique
- ✦ Follows every dynamic movement
- ✦ Hassle-free carrying of every-day utensils
- ✦ Promotion of biomechanical processes of movement
- ✦ Sets fashionable accents
- ✦ **MODEL: SOLDIER** improves posture
- ✦ Odorless
- ✦ Washable up to 50 times
- ✦ Removable and water repellent pouches
- ✦ Ensures safety at night 360° around thanks to high-performance reflectors
- ✦ Made with nontoxic and high-quality materials
- ✦ The carrier systems are useful for a variety of leisure outdoor activities

2.3 COMPONENT DESCRIPTION



1. Quick release fastener
2. Adjuster, small
3. Adjuster, large
4. Label & type designation
5. ALPHA connector

6. Swivel joint
7. Swivel joint holder
8. Power strips
9. BRAVO connector





2.4 TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Date of production | see packaging and/or carrier system care label |
| Service life/expiration date | see 3.10 Safety information with regard to service life |
| Weight MODEL: SOLDIER / SIZE XXXS-M | 92 g |
| Weight MODEL: SOLDIER / SIZE M-XXXL | 108 g |
| Weight MODEL: GLADIATOR / SIZE XXXS-M | 81 g |
| Weight MODEL: GLADIATOR / SIZE M-XXXL | 92 g |
| SIZE XXXS-M | 70 cm - 100 cm chest circumference |
| SIZE M-XXXL | 100 cm - 140 cm chest circumference |
| Pouch dimensions (H × W × D) | 12 to 15 × 8 × 1 cm |
| Pouch weight MODEL: SOLDIER | 32 g |
| Pouch weight MODEL: GLADIATOR | 33 g |
| Pouch properties | Water-repellent softshell |
| Range of reflection | max. 150 m (low-beam car headlights) |

2.5 SIZE CHART

| body height | Size XXXS-M: 70 cm - 100 cm chest circumference Size M-XXXL: 100 cm - 140 cm chest circumference | | | | | | | |
|---------------------|---|--------|--------|--------|--------|--------|--------|--------|
| | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 195 cm | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 190 cm | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 185 cm | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 180 cm | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 175 cm | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 170 cm | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 165 cm | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 160 cm | XXXS-M | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 155 cm | XXXS-M | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| 150 cm | XXXS-M | XXXS-M | XXXS-M | XXXS-M | M-XXXL | M-XXXL | M-XXXL | M-XXXL |
| chest circumference | 70 cm | 80 cm | 90 cm | 100 cm | 110 cm | 120 cm | 130 cm | 140 cm |

2.6 CERTIFICATION MARKS

| Mark / label | Significance |
|---|--|
|  | The CE certification mark on a product signifies that the product meets the fundamental requirements of the PPE-regulation 2016/425, risk category II and EN 13356:2001 as harmonized in the EU Official Journal. BLACKSIRIUS® carrier systems are PPE (personal protection equipment) for medium danger and/or risk and have been tested and certified by the notified body: TÜV Rheinland LGA Products GmbH; No.0197. |
|  | Read the instructions carefully and ensure that you that you have understood them before you use BLACKSIRIUS® PPE. |
| Number of washes max. 50 x | 50 delicate machine wash cycles guaranteed according to manufacturer specification. |

3. SAFETY INFORMATION

3.1 GENERAL SAFETY INFORMATION

The carrier systems comply with the requirements of European Norm EN 13356:2001. Safety performance is guaranteed only if the carrier systems being worn have the appropriate size and have been properly fastened.

3.2 SAFETY INFORMATION REGARDING PROPER USE

The swivel joint holders have been developed with a predetermined breaking point. This is for your own safety to prevent getting caught when falling from a bicycle, horse, motorcycle, and/or under other conditions. The swivel joint holders will not break if used and/or worn properly in accordance with manufacturer specifications.

Weight-loading of the carrier system with more than the **BLACKSIRIUS®** pouch + contents is not permitted.

Violent pulling and/or tearing at the **BLACKSIRIUS®** carrier systems should be avoided and/or prevented.

To ensure that the reflectors are well visible in twilight, limited visibility, and/or at night, the **BLACKSIRIUS®** carrier systems must be worn over clothing; this is intended to increase your personal safety.

In the event of improper use and/or fitting of the **BLACKSIRIUS®** carrier systems, the owner ND Design, the company ND Design, the brand **BLACKSIRIUS®**, cooperation partners, manufacturers, and/or retailers of the products cannot be held liable for damages and product warranty claims.

3.3 SAFETY INFORMATION REGARDING STORAGE

The carrier systems should be stored in their original packaging in a cool, dry, and dust-free environment far from heat sources and direct light.

Ensure that the product is stored in its original packaging.

Store the product at a temperature between +5°C and +40° C at a relative humidity of max. 50 % at +40° C.

3.4 SAFETY INFORMATION REGARDING TRANSPORT

The carrier systems should be transported in their original packaging in a cool, dry, and dust-free environment far from heat sources and direct light.

3.5 SAFETY INFORMATION REGARDING USE

Violent pulling and/or tearing at the **BLACKSIRIUS®** carrier systems should be avoided and/or prevented.

Prior to use, it should be ensured that the carrier systems are clean and free of tears, torn seams, or other defects that could impair their features.

3.6 SAFETY INFORMATION REGARDING CLEANING

The visibility features of the carrier systems should be regarded as an impairment if the carrier systems are not entirely clean or unauthorized changes have been made to them.

A maximum of 50 delicate machine wash cycles are guaranteed according to manufacturer specification.

3.7 SAFETY INFORMATION REGARDING MAINTENANCE

Do not iron the reflector strips.

3.8 SAFETY INFORMATION REGARDING INSPECTION

Prior to use, it should be ensured that the carrier systems are clean and free of tears, torn seams, or other defects that could impair their features.

3.9 SAFETY INFORMATION REGARDING LIMITS OF USE

The reflectors are highly reflective and light up in twilight, limited visibility, and at night.

The **BLACKSIRIUS®** carrier systems should not be used for protection against chemical risks, heat and fire, cold, electricity, or any other types of risks.

The carrier systems are free of allergenic substances.

3.10 SAFETY INFORMATION REGARDING SERVICE LIFE

A max. of 50 delicate machine wash cycles are guaranteed according to manufacturer specification.

The specified maximum number of wash cycles (50 x) is not the only factor to influence service life of the carrier systems. Light, heat, cold, humidity, frequent use, soiling, wear, the effect of chemicals, contamination, e.g., with dirt and oil, can also reduce service life.

These carrier systems have a limited service life. However, service life is also dependent on wear, user care, and environmental conditions. A specific duration of service life cannot, therefore, be determined. Long service life can only be achieved if all the instructions provided in this manufacturer information are observed.

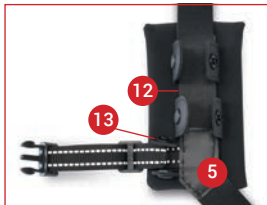
Heavy soiling of the carrier systems and wear of the reflective materials can considerably reduce the protective effect.

3.11 SAFETY INFORMATION REGARDING PROPER DISPOSAL

The carrier systems must be recycled.

4. USE

4.1 ATTACHING THE POUCHES AND ADJUSTING THE CARRIER SYSTEMS



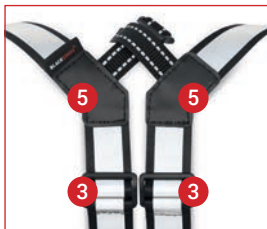
MODEL: SOLDIER

Place the reflector side of the (5) **ALPHA connector** on the (12) **fastener plate** and (13) **fastener tab** of the **BLACKSIRIUS®** pouch. Close snap fasteners. Done.



MODEL: GLADIATOR

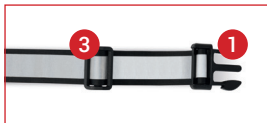
Place the reflector side of the (5) **ALPHA connector** on the (12) **fastener plate** and (13) **fastener tab** of the **BLACKSIRIUS®** pouch. Close snap fasteners. Done.



MODEL: SOLDIER

To reduce the size of the carrier system, slide the (3) **adjuster, large**, towards the (5) **ALPHA connector** and the (9) **BRAVO connector**. Sliding the (3) **adjusters, large**, away from the (4) **ALPHA connector** and the (9) **BRAVO connector** increases the size. Ensure that the belts have equal length by comparing the (5) **ALPHA connectors** and the (3) **adjusters, large**.

Note: Carrier systems should be adjusted in a way that there is light tension on the (8) **power strips**.



MODEL: GLADIATOR

Adjust to size required using the (1) **quick release fastener** and secure excess length using the (3) **adjuster, large**.

Note: Carrier systems should be adjusted in a way that there is light tension on the (8) **power strips**.

4.2 PUTTING ON THE CARRIER SYSTEMS



MODEL: SOLDIER

The (1) **quick release fastener** must lie approx. 2 finger widths below the upper edge of the sternum with the system belts resting on the shoulders. Do not fasten the 20-mm-belt of the (1) **quick release fastener** against tension.



MODEL: SOLDIER

The (6) **swivel joint** must be situated centrally between the shoulder blades. Its fit can be adjusted individually along the vertical axis, taking into account that the (1) **quick release fastener** (front) remains approx. 2 finger widths below the upper edge of the sternum. Attention should be paid to ensuring that there is light tension on the (8) **power strips**.



MODEL: GLADIATOR

Here, you can individually adjust where to position the **BLACKSIRIUS®** pouch. On the chest or in the shoulder region.



MODEL: GLADIATOR

The (5) **swivel joint** does *not require* being situated centrally between the shoulder blades. The carrier system **MODEL: GLADIATOR** is worn over the left shoulder only. Attention should be paid to ensuring that there is light tension on the (8) **power strip**.



WARNING

Violent pulling and/or tearing at the **BLACKSIRIUS®** carrier systems should be avoided and/or prevented.

5. CLEANING / CARE INSTRUCTIONS

- ✦ Do not iron the reflector strips.
- ✦ Reflector strips may crease lightly before and after washing. This does not affect the reflectors' extraordinary power of radiance.
- ✦ 50 delicate machine wash cycles guaranteed according to manufacturer specification. Typically, wiping the reflectors with a clean, moist, chemical- or detergent-free microfiber cloth is entirely sufficient.
- ✦ Clean the PPE when it becomes dirty.
- ✦ ND Design recommends documenting washes of the carrier systems (logging on page 13). Abrasive, pungent, and aggressive cleaning agents or rough cleaning cloths may not be used.

EU: Number of washes max. 50 x



look good
be seen
slight matters

6. EU DECLARATION OF CONFORMITY

ND Design hereby declares that the PPE **BLACKSIRIUS® MODEL: SOLDIER** and **MODEL: GLADIATOR** conforms with the following European directives and basic requirements:

- ✦ PPE-regulation 2016/425, risk category II and EN 13356:2001 as harmonized in the EU Official Journal

The PPE **BLACKSIRIUS® MODEL: SOLDIER** and **MODEL: GLADIATOR** conforms with the following norms and/or other normative documents:

- ✦ EN 13356:2001

The body notified in the following has conducted the intervention as described below and passed the EU Type Examination Certificate:

- ✦ Name of the designated body: TÜV Rheinland LGA Products GmbH
- ✦ Address: Tillystr. 2, 90431 Nuremberg
- ✦ Country: Germany
- ✦ Identifikationsnummer: 0197

The complete text of the EU Type Examination Certificate is available under the following URL: **www.nddesign.eu**

7. MANUFACTURER'S DATA

MANUFACTURER

Nebras Darab ND Design
Einzelunternehmen
Bliespromenade 5
D-66538 Neunkirchen



CONTACT

Business customer: info@nddesign.eu
Consumer: info@blacksirius.de

INTERNET

Homepage: www.nddesign.eu
Webshop: www.blacksirius.de
Facebook: www.facebook.com/BLACKSIRIUS
Instagram: www.instagram.com/BLACKSIRIUS

Made in Germany

ANNEX I – LOGGING

| Number of washes | Date | Number of washes | Date |
|------------------|------|------------------|------|
| 1 | | 26 | |
| 2 | | 27 | |
| 3 | | 28 | |
| 4 | | 29 | |
| 5 | | 30 | |
| 6 | | 31 | |
| 7 | | 32 | |
| 8 | | 33 | |
| 9 | | 34 | |
| 10 | | 35 | |
| 11 | | 36 | |
| 12 | | 37 | |
| 13 | | 38 | |
| 14 | | 39 | |
| 15 | | 40 | |
| 16 | | 41 | |
| 17 | | 42 | |
| 18 | | 43 | |
| 19 | | 44 | |
| 20 | | 45 | |
| 21 | | 46 | |
| 22 | | 47 | |
| 23 | | 48 | |
| 24 | | 49 | |
| 25 | | 50 | |