

HERO TACTICAL
PRODUCTS

Every second counts – We deliver

HUM

Systems for Life®



Tactical Equipment

Tactical Backpacks and Bags | IFAKs | Pouches | Consumables according to MARCH



Dear Sir or Madam,
Valued Customers and Partners,

We are pleased to present our brochure on HUM Tactical Equipment. This contains both proven products as well as a wide range of innovations developed in close cooperation with users.

For more than 30 years, **HUM Gesellschaft für Homecare und Medizintechnik mbH** has stood for successful development and distribution of high-quality textile and medical products. Together with our customers and partners, we have mastered major challenges and driven pioneering innovations.

Until now, our focus has primarily been on close collaboration and the distribution of our 14 AERO proprietary brands through our strong international dealer network. In particular, you may be familiar with our brand for emergency and transport containers – AEROcase® – or our medical products such as AEROcheck®, AEROresc® or AEROtube®, especially in the emergency medical services. Below, we would like to introduce products from these and other proprietary brands, specifically for the tactical field.

First, we invite you to gain a closer insight into our company on the next page with our history “**30 Years of HUM – Our Growth at a Glance.**” Furthermore, on pages 7 and 28, we present the expertise and added value of our two **business divisions Textile Technology and Medical Technology.**

Our teams at the locations in Lünen and Bielefeld operate according to the motto “**Every second counts – We deliver**” and the following focal points and guidelines:

- **Highest product quality:** Quality management system in accordance with DIN EN ISO 13485 and compliance with the Medical Device Regulation (MDR)
- **Development and manufacturing:** High-quality textile products “Made in Germany” | “Made in Europe” – from prototype and small-series production to OEM services and technology consulting
- **Customer satisfaction:** Focus on your needs and, through regular feedback and audits, results that not only meet but exceed your expectations
- **Crisis resilience:** Crisis-proof infrastructure, planning security and stock availability to be prepared for emergency situations

If you have any questions, we are always available to provide professional advice. Our goal is to supply public authorities, organizations, and our national and international distribution partners with high-quality products that meet medical standards and are offered at market-competitive prices.

We look forward to continuing our successful cooperation with you, our valued partners and customers, in the future.

Kind regards,

HUM Gesellschaft für Homecare und Medizintechnik mbH



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30 Years of HUM – Our Growth at a Glance

1995	From a garage to one of the leading providers of emergency and transport containers as well as medical products for the Public Safety Authorities, Homecare and Hospital sectors: Our CEO Dietmar Uhlenbruch founded today's "HUM Gesellschaft für Homecare und Medizintechnik mbH" in December 1995.
1998	Following the move to office premises in the industrial park "Im Berge-Ost" in Lünen and a successful start in the field of oxygen supply, the first trademark registrations followed with AEROway® and AEROvent®. By 2020, numerous further brands followed in the HUM assortment, which now comprises 14 AERO proprietary brands. Furthermore, patents and utility models for in-house developments secure the innovative power of HUM. All this offers our customers a wide-ranging assortment of more than 1,800 tested quality products.
2002	The new office and administration buildings with adjacent warehouse were completed and occupied. In the following years, further expansions of the office and storage areas took place. In total, HUM grows to over 7,000 sqm with 4,500 sqm of pure usable area, including high-bay racks with over 2,000 storage spaces. As a result, we are, now and in the future, always in a position to adapt to challenging events such as the Corona pandemic or the war in Ukraine and to ensure appropriate stockholding for our customers.
2011	HUM switched to SAP Business One as an ERP system, which supports processes, connects company divisions more closely and contributes to further company success – for continued satisfaction of national and international customers in over 40 countries.
2015	HUM continues to expand its textile branch and acquires shares in a textile manufacturing facility in Bielefeld to respond to the increasing market demand for AEROcase® emergency and transport containers in the market. Thanks to a strong international dealer network and many innovations, the textile branch is growing steadily, which is why in 2022, in addition to existing production in Germany and China, a further production site is opened for the first time in Romania. Through further synergies with the later RENOSTER GmbH in 2023, HUM decides on a complete takeover and merger. Since then, the Bielefeld location has acted alongside the other production facilities as a development and small-series production site, as well as an OEM service provider and technology consultant.
2024	From the past back into the present and with a view to the future, HUM remains on course: Succession planning for our company is clearly in focus and is secured by the authorized signatories Daniel Schnabel and Jan F. Uhlenbruch. Through this step and the distribution of responsibility to the long-standing employee (> 20 years) and the next generation, the future of our company with over 60 employees remains in family hands.
2025 - today	The company celebrates its 30th anniversary and, in this special year 2025, is again launching numerous new products for textile and medical technology. In 2026, HUM will also appear as an exhibitor at the leading trade fairs for our customers and target groups, such as Enforce Tac, RETTmobil and MEDICA, and visit various events as a sponsor and supporter.



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Our Textile Technology Division

With a broad portfolio of high-quality emergency and transport containers, including various types of emergency backpacks and IFAKs, we have stood for reliable equipment in professional use for over three decades. In addition to our proven AEROcase® products, we also offer tailor-made and customized solutions precisely tailored to your special requirements.

Our Competences

The team at our production facility in Bielefeld acts as an OEM service provider and technology consultant for technical textile systems. In the tactical field, we stand for the following services:

- **Development and manufacturing:** Textile products “Made in Germany” | “Made in Europe”
- **Tailor-made solutions:** From individual production to large-scale series production
- **Our focus:** Robustness, functionality, practical suitability and crisis resilience

Our Added Value

With our extensive experience, we develop innovative solutions together with you that are perfectly tailored to your special needs. Our expertise comprises:

- **Consulting:** Support in the selection and development of technical textiles
- **Production:** High-quality manufacturing in our production facilities
- **Innovation:** Integration of the latest technologies and materials

Our Brand

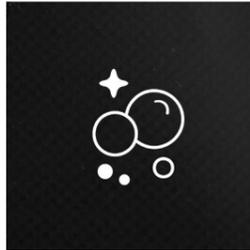
AEROcase® stands for high competence and a wide variety of materials that meet your demand for premium quality. Each of our AEROTex® materials used has a wide variety of properties, about which we would be pleased to advise you.

We differentiate between:

- **AEROTex® – PLAN^{PRO}:** Suitable for extremely robust and durable bags
- **AEROTex® – CORDRA:** High tear and abrasion resistance with low weight
- **AEROTex® – PLAN:** For robust and weatherproof models
- **AEROTex® – DURA:** Particularly lightweight and durable nylon variants
- **AEROTex® – PES:** Known for durability and UV resistance

Our Materials in Textile Technology

Tactical backpacks and bags require particularly robust and reliable materials. Our brand AEROCASE® stands for the highest material competence and offers diverse solutions that meet your demand for premium quality. Below you will find an overview of the properties and special features of our AEROTEX® materials used.



AEROTEX® – PLAN^{PRO} | Truck tarpaulin

Bags made of truck tarpaulin are increasingly used where an extremely robust and durable solution is required. Our AEROTEX® – PLAN^{PRO} ensures high durability, so the material hardly wears even under intensive use. In addition, easy cleaning is possible, which is particularly important in tactical use under intensive stress, weather influences and in hygiene-intensive areas. Bags made of our truck tarpaulin, such as our AEROCASE® – PROpack models, offer an excellent way to transport equipment items safely and dry. Their flexibility and longevity make them an optimal choice for tactical applications.



AEROTEX® – CORDRA | CORDURA® fabric

Textiles made of CORDURA® are preferably used where very high tear and abrasion resistance with a particularly low weight is required. AEROTEX® – CORDRA includes, among others, the very light Ripstop 560 dtex and the highly abrasion-resistant, finely textured TPD 560 dtex – for maximum durability while remaining lightweight and visually striking. Every CORDURA® fabric stands for low-noise, flexible feel in the cold as well as fast drying. In addition, lightness and ergonomics ensure the highest possible mobility. Most of our tactical emergency backpacks and bags are manufactured from this material.

*CORDURA® is a registered trademark of INVISTA NORTH AMERICA S.à r.l., 4123 E. 37th Street North, Wichita, KS 67220, USA.



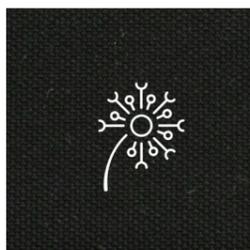
AEROTEX® – PLAN | Tarpaulin

In bag production, tarpaulin materials are often used when robust and weatherproof models are required. AEROTEX® – PLAN offers reliable protection for the contents of the bags and is ideal for continuous use as well as for field activities and travel. Our tarpaulin bags are characterised by their resistance plus longevity and are therefore particularly attractive for users looking for functional and simultaneously visually appealing storage solutions. In the tactical field, our AEROCASE® – TACbag IFAK02 is made of tarpaulin material.



AEROTEX® – DURA | Nylon

Nylon is a popular material because it is particularly light and at the same time extremely durable. Our bags made of AEROTEX® – DURA offer high abrasion resistance, are often water-repellent and are therefore ideal for daily use or demanding outdoor activities. The flexibility of our material allows for a variety of designs and sizes, from modular backpacks to IFAK pouches. In addition, AEROTEX® – DURA dries very quickly, making it a practical choice for missions and travel. Our AEROCASE® – TACbag IFAK01 is manufactured from nylon.



AEROTEX® – PES | Polyester

Polyester is a commonly used material in bag manufacturing, known for its durability and UV resistance. AEROTEX® – PES is easy to care for while remaining lightweight and withstands the demands of everyday life. A variety of designs can be manufactured here, offering both functionality and style. Due to their dimensional stability, our bags remain attractive and reliable even with intensive use and are therefore a preferred solution for many users. For tactical bags, polyester is used in our organizer, the AEROCASE® – ORGAbag.

BACKPACKS & BAGS

AEROCASE® stands for our professional emergency and transport containers that withstand the rigours of your operations. Whether in military operations or in Public Safety Authority first responder services – with us you get the quality your task requires.

GENERAL INFORMATION ON TACTICAL BACKPACKS & BAGS

- All dimensions are given without handle and are subject to an industry-standard production tolerance of ± 1.5 cm per dimension.
- The weight is inclusive of modular bags, without any contents.
- The volume results from the main compartment as well as all external pockets and compartments.
- Any contents shown are for illustration purposes only and are not included in the scope of supply.
- We reserve the right to make changes to the advertised products; features may also be adjusted based on further field trials.

The CORDURA® brand stated below is a registered trademark of INVISTA NORTH AMERICA S.à r.l., 4123 E. 37th Street North, Wichita, KS 67220, USA

AEROCASE® – PROpack GTSB - TAC | GT - TAC | GTB - TAC

Professional, handcrafted operational backpacks characterised by durability under the toughest conditions. Each PROpack consists of a spacious lower and upper shell or a lid and is available in Black and, upon request, in Olive Green. Inside, our patented magnetic system ensures the secure fixation of the separately available modular bags, allowing fast, uncomplicated removal as well as a fully individualisable organisation. Thanks to the superior EASY Clean hygiene concept, the operational backpacks can be easily and hygienically reprocessed and are ready for use again particularly quickly.

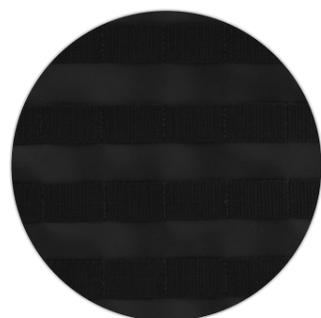
THE QUALITY IN DETAIL

- Padded back area, additionally padded back carrying straps including chest strap and with arrangement for various body shapes – for maximum carrying comfort
- Individually replaceable back carrying straps at any time
- Reinforced edge protection and abrasion protection through the use of PVC and CSM at wear-sensitive points and surfaces (all models except PROpack GTSB)
- Robust, non-slip carrying handles with closed surface, additionally riveted for reinforcement
- Extra strong and double-riveted metal eyelets for the back carrying straps

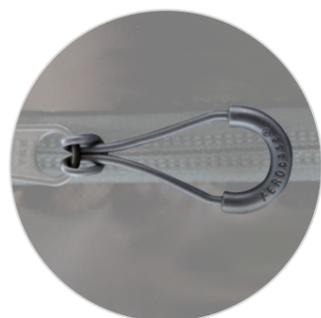
Developed for the toughest operational scenarios and internationally tested in emergency services



Improved carrying system



Model with MOLLE system



Easy-grip, disinfected zipper pullers in loop shape

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Model	Order number
AEROTEX® – PLAN ^{PRO} (Truck tarpaulin)	● Matt black* (RAL 9005)	approx. 40 x 52 x 14 cm	approx. 2.80 kg	approx. 29 l	GTSB - TAC	● HT13-SPGTSBT-00
	● Olive Green* (RAL 6003)	approx. 40 x 52 x 25 cm	approx. 3.10 kg	approx. 52 l	GT - TAC with MOLLE*	● HT13-SPGTT2-S2
	● Matt black* (RAL 9005)	approx. 40 x 52 x 25 cm	approx. 3.30 kg	approx. 52 l	GTB - TAC with MOLLE*	● HT13-SPGTBT2-00

*Order-related production – you choose the colour, model, MOLLE system, and IRR equipment, if desired.

Magnetic Modular System

All AEROCASE® – PROpack backpacks are equipped with a 4 x 7 grid (28 magnetic fields), which allows for seamless and individual arrangement with the AEROCASE® modular bags selected by the user. Ferromagnetic plates are integrated into the predefined grid and thus provide a secure hold for the modular bags fitted with magnets. Thanks to the modular system, dirt traps such as hook-and-loop strips or fixation loops can be almost entirely avoided inside the backpack. This significantly reduces the risk of contamination.

Grid structure

Exemplary for AEROCASE® – PROpack GTB - TAC



Incorporated and movable ferromagnetic plates in the individual grid field prevent a localized abrasion of the material.

Exemplary filling of the PROpack GTB - TAC



Further information can be found in our catalogue AEROCASE® – Modular System.

Product Information



Modular bags

Modular bags made of AEROTEX® – PLAN^{PRO} (Truck tarpaulin) with integrated magnetic technology ensure secure storage of the operational equipment. They feature a transparent compartment in the lid for content labelling.



Exemplary modular bag for PROpack GT - TAC in Olive Green



Depending on size and model with internal fixation loops, mesh or additional compartments

AEROCASE® – TACpack Medic MANV L

Professional, field-tested backpack system with quick access, modularly composed of a main backpack with a clean design and low-profile construction, two dividers as well as a selection of various modular and mesh bags. Specially designed for the medical-tactical field – ideal for police and other sectors with comprehensive care. Through the variable and structured transport of medical accessories, the system offers the highest possible flexibility and clarity.

THE BACKPACK SYSTEM AT A GLANCE

- **Main backpack**
For flexible internal organisation, including quick access
- **Modular bags**
Sizes S – XL (8x S, 3x M, 2x L, 3x XL) | With wide hook-and-loop strips and coloured zipper pullers
- **Mesh bags**
Mesh structure for ventilation (4 pcs)
- **Dividers**
For additional structured separation and improved clarity (2 pcs)

THE QUALITY IN DETAIL

- Manufactured from high-quality and extremely durable CORDURA® fabric
- Minimalist and unobtrusive appearance, smooth outer surfaces as well as concealed zippers (“Clean-Design”). The system fits optimally to the body or equipment and is designed so that no elements protrude (“Low-Profile”, without additional attached pockets).
- Diverse features, e.g. outer compartments, various hook-and-loop attachments for modules, reinforced base, specially padded back area
- Further advantages: Unrestricted freedom of movement for arms and shoulders to the front – even with additional tactical equipment and clothing. Additionally with padded back carrying straps including a quick-release system.

Suitable for police operations, further medical care and more



Padded carrying straps and additional chest strap



Specially padded back area



Clean-Design and Low-Profile



Quick access on the front

Further special features of the supplied components

EXTERIOR COMPARTMENTS AND POCKETS

The front features quick access with two hook-and-loop strips. The backpack is additionally equipped with lateral longitudinal exterior pockets, e.g. for cervical collars or bougies.

OPENED BACKPACK

Upon opening via the quick access, 4 modular bags are immediately available, which can be used, for example, as trauma packs for initial treatment. The system can be attached to the wall by the carrying handle, allowing casualty care directly from the opened backpack. Inside, there are hook-and-loop dividers, suitable among other things for infusion sets or personal equipment; there is space for further equipment behind them.

DIVIDERS

The two supplied dividers feature a front and back hook-and-loop system and can be variably placed and equipped with modular or mesh bags.

MODULAR BAGS / MESH BAGS

The modular and mesh bags can be placed completely freely thanks to the hook-and-loop system. They also feature transparent pockets with wide hook-and-loop strips, inserts for labelling and coloured zipper pullers.

Exemplary assembly:

Main backpack: 2x S, 2x L, 2x XL modular bags | Quick access: 4x S modular bags | Dividers: 4x mesh bags and 2x S, 3x M, 1x XL modular bags

OPTIONAL ACCESSORIES AVAILABLE

Upon request, TACpanels OMEGA in sizes M or L can also be used instead of the dividers (further information on page 26).

Available upon request

HIGH-FUNCTIONAL WEATHER PROTECTION

Selection of various camouflage patterns (BW 5-colour print, 3-colour Tropic Cam, Snow Cam, Digital Cam, MultiCam, as well as with IRR finish), to be stored in the existing bottom compartment.



Divider, e.g. for mesh bags



Modular bags in various sizes



Includes 4 mesh bags

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDRA (CORDURA® fabric)	● Black	approx. 34 x 62 x 23 cm	approx. 3.4 kg	approx. 48.5 l	HT14-TPML-SET02-0

AEROCASE® – TACpack Medic COMBAT XL

Professional, field-tested backpack system with quick access, modularly composed of a main backpack with a clean design and low-profile construction, two dividers ❶ or an integrated inner backpack ❷ as well as a selection of various modular and mesh bags. Specially designed for the medical-tactical field – ideal for military and other sectors with comprehensive care. Through the variable and structured transport of medical accessories, the system offers maximum flexibility and clarity.

THE BACKPACK SYSTEM AT A GLANCE

- **Main backpack**
For flexible internal organisation, including quick access
- **Modular bags**
Sizes S – XL (8x S, 3x M, 2x L, 3x XL) | With wide hook-and-loop strips and coloured zipper pullers
- **Mesh bags**
Mesh structure for ventilation (4 pcs ❶ or 3 pcs ❷)
- **Dividers ❶**
For additional structured separation and improved clarity (2 pcs)
- **Inner backpack ❷**
Additional padded, with carrying handle

THE QUALITY IN DETAIL

- Manufactured from high-quality and extremely durable CORDURA® fabric
- Minimalist and unobtrusive appearance, smooth outer surfaces as well as concealed zippers (“Clean-Design”). The system fits optimally to the body or equipment and is designed so that no elements protrude (“Low-Profile”, without additional attached pockets).
- Diverse features, e.g. outer compartments, various hook-and-loop attachments for modules, reinforced base, specially padded back area
- Further advantages: Unrestricted freedom of movement for arms and shoulders to the front – even with additional tactical equipment and clothing. Additionally with padded back carrying straps including a quick-release system.

Suitable for military units, use at a Trauma Stabilization Point and more



Padded carrying straps and additional chest strap



Specially padded back area



With laser-cut MOLLE on both sides



Quick access with 4 trauma packs

Further special features of the supplied components

EXTERIOR COMPARTMENTS AND POCKETS

The front features quick access with two hook-and-loop strips. Left and right, there are front exterior pockets, e.g. for stretchers or consumables of the MARCH category “M” (from page 30). The backpack is additionally equipped with lateral longitudinal exterior pockets, e.g. for cervical collars or bougies. These pockets also feature laser-cut MOLLE.

OPENED BACKPACK

Upon opening via the quick access, 4 modular bags are immediately available, which can be used, for example, as trauma packs for initial treatment. The system can be attached to the wall by the carrying handle, allowing casualty care directly from the opened backpack. Inside the main backpack, there are either hook-and-loop dividers ❶, suitable among other things for infusion sets or personal equipment, or an inner backpack ❷, with space for further equipment behind them.

DIVIDERS OF THE MEDIC COMBAT XL ❶

The two supplied dividers feature a front and back hook-and-loop system and can be variably placed and equipped with modular or mesh bags.

INNER BACKPACK OF THE MEDIC COMBAT XL ❷

The inner backpack is removable and can be fully opened and laid flat. It also features a carrying handle and enables flexible organisation of the modular bags. It can be used, for example, in the field or from a vehicle. On the front, supplied mesh bags can be attached via hook-and-loop; the interior is equipped with additional modular bags.

MODULAR BAGS / MESH BAGS

The modular and mesh bags can be placed completely freely thanks to the hook-and-loop system. They also feature transparent pockets with wide hook-and-loop strips, inserts for labelling and coloured zipper pullers.

Exemplary assembly:

Main backpack: 2x S, 2x L, 2x XL modular bags | Quick access: 4x S modular bags

❶ Dividers: 4x mesh bags and 2x S, 3x M, 1x XL modular bags or ❷ Inner backpack: 3x mesh bags and 2x S, 3x M, 1x XL modular bags

OPTIONAL ACCESSORIES AVAILABLE

Upon request, TACpanels OMEGA in sizes M or L can also be used instead of the dividers (further information on page 26).

Available upon request

HIGH-FUNCTIONAL WEATHER PROTECTION

Selection of various camouflage patterns (BW 5-colour print, 3-colour Tropic Cam, Snow Cam, Digital Cam, MultiCam, as well as with IRR finish), to be stored in the existing bottom compartment.



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Model	Order number
AEROTex® – CORDURA® (CORDURA® fabric)	● Olive Green	approx. 34 x 62 x 32 cm	approx. 3.6 kg	approx. 67.5 l	with dividers	❶ HT14-TPCMXL-SET02-S2
		approx. 34 x 62 x 32 cm (approx. 33 x 55 x 10 cm*)	approx. 3.80 kg (approx. 0.64 kg*)	approx. 67.5 l (approx. 18.2 l*)	with inner backpack	❷ HT14-TPCMXL-SET01-S2

*Specifications of the inner backpack | Order number of the complete two-backpack system ❷

AEROCASE® – TACpack Medic RESPONDER L

Professional, particularly lightweight two-backpack system for tactical-medical use. The AEROCASE® – TACpack Medic RESPONDER L combines a main and front backpack with completely freely positionable modular bags and TACpanels OMEGA – for maximum flexibility and an internal organisation according to individual needs. Developed for users with a focus on quick access, maximum clarity and reliable stability under demanding operational conditions.

THE BACKPACK SYSTEM AT A GLANCE

- **Main backpack**
For flexible internal organisation
- **Removable front backpack**
Suitable for rapid attack
- **Modular bags**
Various sizes (2x S, 1x M, 2x XL) | With wide hook-and-loop strips and additionally integrated handles
- **TACpanels OMEGA**
For additional storage options (2x M, 1x L)

THE QUALITY IN DETAIL

- Lightweight at only approx. 3.18 kg (including accessories)
- Manufactured from particularly light CORDURA® Ripstop 560 dtex as well as highly abrasion-resistant, finely textured CORDURA® TPD 560 dtex – for maximum durability while remaining lightweight and visually striking (front backpack Ripstop 560 dtex | main backpack TPD 560 dtex)
- Diverse features, e.g. the possibility of extremely quick donning and doffing of the front backpack thanks to a quick-release buckle. Laser-cut MOLLE for attaching optionally available TACbag Pouches, the TAC Multiclip or the TAC Bar (further detailed information on page 24 and 27).
- Further advantages: Unrestricted freedom of movement of arms and shoulders to the front – even with additional tactical equipment and clothing. Additionally with a specially padded back area.

With main and front backpack as well as flexible division



Padded carrying straps and additional chest strap



Specially padded back area



Organizer panel on the front backpack



Additional fixation loops on the handle

Further special features of the supplied components

MAIN BACKPACK EXTERIOR

The front and sides are fully equipped with laser-cut MOLLE and the backpack can be fully opened by zipper. For double securing of the front backpack, there are easily accessible zippers on the front left and right as well as a quick-release buckle for particularly fast donning and doffing. On the main backpack, sewn MOLLE webbing with three fixation loops each is also integrated on both sides of the handle. The back area and the shoulder carrying straps are specially padded; a chest strap is included.

FRONT BACKPACK

It is integrated on the back by zipper and at the top by quick-release fastener and can thus be removed and reattached particularly easily – without having to reach under the main backpack. The front and sides are fully equipped with laser-cut MOLLE and the backpack can be fully opened by zipper. Additionally, there is another zipper pocket as well as a wide hook-and-loop surface on the front. An organizer panel with bungee paracord is attached to the lid for the fixation of further pieces of equipment, such as trauma shears.

OPENED BACKPACKS

When opening both the main and front backpack, a generous interior space is available in each. The main compartment and lid are fully equipped with hook-and-loop surfaces on the inside, in which modular bags and TACpanels OMEGA can be placed completely freely. This offers the user maximum flexibility and an internal organisation according to individual needs.

MODULAR BAGS

The entire system is equipped with various modular bags (2x S, 1x M, 2x XL), which can be individually attached thanks to the hook-and-loop system. They can be easily pulled out via the additionally integrated handles and can be labelled. Additional modular bags are optionally available as accessories (HT14-TPCM-...). Following sizes and dimensions (W x H x D) are available: S – 13 x 16 x 7.5 cm | M – 26 x 11 x 7.5 cm | L – 26 x 16 x 7.5 cm | XL – 13 x 32 x 7.5 cm.

TACPANELS OMEGA

Various TACpanels OMEGA are already included in the scope of delivery (2x M, 1x L), which offer additional storage options (further detailed information on page 26).



Includes two TACpanels OMEGA M

Includes TACpanel OMEGA L, e.g. for the front backpack

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDURA (CORDURA® fabric)	● Black	approx. 55 x 33 x 28 cm (approx. 48 x 29 x 11 cm*)	approx. 3.18 kg (approx. 0.65 kg*)	approx. 50.8 l (approx. 15.3 l*)	HT14-TPRM01-SET01-0
	● Olive Green				HT14-TPRM01-SET01-S2
	● Coyote				HT14-TPRM01-SET01-S3

*Specifications of the front backpack | Order number of the respective complete two-backpack system

AEROCASE® – TACpack MANV1

Particularly slim and lightweight tactical backpack with high functionality and high-quality workmanship. The TACpack MANV1 is the perfect backpack for all professional operations in which low weight, mobility and completeness of equipment must be reconciled – from the flexible deployment of a group to extraordinary large-scale major incidents. The compact and well-thought-out design offers comfortable carrying and sufficient storage space for the equipment.

SPECIAL FEATURES AT A GLANCE

- Including 4 large mesh bags as well as 8 smaller modular bags
- Made of durable AEROTex® – PLAN (Tarpaulin), in black with a matt special finish
- Reinforced all around with lightweight foam
- Large front compartment with circumferential zipper and mesh compartment in the lid, e.g. for documentation
- Further front compartment with hook-and-loop fastener, suitable among other things for carrying / emergency blankets
- Additional compartment with zipper on the back
- Padded, removable carrying straps with chest strap, which can be stowed in the rear compartment
- Additional shoulder carrying strap for attachment to the existing D-rings

Ideally suited for mobile rescue operations, large-scale major incidents, civil protection and tactical teams



8 modular bags in the lower shell

4 large mesh bags in the upper shell



Large front compartment with zipper



Padded carrying straps and additional chest strap

AEROCASE® – TACpack DAY

High-quality and particularly versatile daypack, suitable for different areas of application where high reliability is required. The TACpack DAY combines a slim design with generous storage space to optimally stow personal equipment as well as deployment materials. Developed for users with a special focus on high-quality materials and well-thought-out details for a wide variety of scenarios.

SPECIAL FEATURES AT A GLANCE

- Modern, visually appealing as well as functional daypack, suitable for everyday use or operations
- Manufactured from particularly high-quality and durable CORDURA® fabric as well as laser-cut MOLLE on the front of the exterior compartment
- With a large exterior compartment for optimal storage of equipment for fast access, e.g. an AEROCASE® – ORGAbag (see page 25) or for the safe transport of almost all common AED devices
- Lid with reinforced material as well as internal compartment for smaller items
- Generous interior with a clearly structured layout
- Integrated laptop compartment – raised approx. 1 cm from the bottom for optimal protection and safe transport
- Additionally, another large zipper compartment in the interior, with an attached organizer unit and elastic loops for the fixation of e.g. pens or a diagnostic light as well as a business card compartment
- Specially padded back area as well as padded back carrying straps and chest strap for maximum carrying comfort
- Available in Black / Olive Green for the ideal combination with civilian or tactical clothing

Individually usable companion for the civilian sector as well as professional operations



Carrying Example with AEROCASE® – ORGAbag



Padded carrying straps and additional chest strap



Generous, well-thought-out interior



Secured exterior compartment for additional materials



Depth of the front compartment individually adjustable

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Matt black (RAL 9005)	approx. 35 x 57 x 15 cm	approx. 1.95 kg	approx. 30 l	HT13-TPLR1-0M

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDRA (CORDURA® fabric)	● Black / Olive Green	approx. 48 x 37.5 x 17 cm	approx. 1.14 kg	approx. 31 l	HT14-TPDAY01-0

AEROCASE® – TACbag Medic HipBag

Extremely robust and functionally designed hip bag for professional users, made of high-quality CORDURA® fabric. The TACbag Medic HipBag impresses with its exceptional functionality, quality, and ergonomic design, enabling quick access and comfortable wear in any situation. Ideal for medics, K9 teams, and other tactical users focused on optimized details.

SPECIAL FEATURES AT A GLANCE

- Lightweight at only 0.58 kg (approx. 0.66 kg including shoulder strap)
- Made of particularly lightweight CORDURA® Ripstop 560 dtex and highly abrasion-resistant, finely textured CORDURA® TPD 560 dtex – for maximum durability while remaining lightweight and visually striking (lid compartment Ripstop 560 dtex | main compartment TPD 560 dtex)
- Spacious main compartment in robust polyamide with practical internal organisation thanks to multiple loops and attachment options, suitable for medical equipment or personal operational items
- Forward-opening lid for particularly fast and convenient access to the main compartment and lid interior (opening away from the body)
- Lid compartment as well as organizer panel with bungee paracord on the outside of the lid for quick-access items, e.g. trauma shears.
- Removable, adjustable shoulder strap for versatile carrying options, additionally with quick-stow fasteners on the waist belt for neat strap storage
- Side-mounted laser-cut MOLLE for flexible combination with plate carriers, backpacks, and vests via attachment straps, or for mounting optionally available TACbag Pouches, the TAC Multiclip, or the TAC Bar (further detailed information on pages 24 and 27)
- Quickly and easily attachable to existing gear with the supplied attachment straps
- Two drainage openings at the bottom for reliable field use in all weather conditions

Maximum functionality in a compact design – ideal for tactical operations and modular equipment systems



With included shoulder carry strap



Incl. 2 attachment straps for securing the HipBag to e.g. plate carriers



Lid interior with loops



Organizer panel with bungee paracord on the exterior lid compartment



Spacious main compartment with various attachment options

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTEX® – CORDURA (CORDURA® fabric)	● Black	approx. 15 x 33 x 17 cm	approx. 0.66 kg	approx. 8.4 l	HT14-TBHPM01-0
	● Olive Green				HT14-TBHPM01-S2
	● Coyote				HT14-TBHPM01-S3

AEROCASE® – TACbag IFAK01 (M-V)

Robust operational pouch with MOLLE system, made of particularly durable CORDURA® fabric in "Medium", for vertical attachment (M-V). The interior features elastic loops and compartments for organized storage of materials. On the front, there is a 4 cm wide hook-and-loop strip and six webbing loops; the back is equipped with laser-cut MOLLE and two attachment straps. Includes high-quality zipper with zipper pullers for comfortable opening and closing.

SPECIAL FEATURES AT A GLANCE

- Multiple options for storing materials and attaching to plate carriers, backpacks, and more
- Equipped with two attachment straps and high-quality zipper with zipper pullers
- Versatile for tactical and medical use

Extremely robust IFAK made of high-quality CORDURA®, medium size, for vertical attachment



With six webbing loops on the front



Back equipped with laser-cut MOLLE

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTEX® – CORDURA (CORDURA® fabric)	● Black	approx. 13 x 19 x 7.5 cm	approx. 0.17 kg	approx. 1.85 l	HT14-TBIFAK01-0
	● Olive Green				HT14-TBIFAK01-S2
	● Coyote				HT14-TBIFAK01-S3

AEROCASE® – TACbag IFAK02 (L-H)

Versatile, two-part operational pouch with MOLLE system, made of particularly durable CORDURA® fabric in "Large", for horizontal attachment (L-H). Designed for fast, dual-sided access to medical equipment, it can be fully opened and laid flat. The front of the outer pouch features a hook-and-loop system to secure the IFAK, with an additional 4 cm wide hook-and-loop strip. The back is equipped with laser-cut MOLLE and two attachment straps. The inner insert is removable and can be secured inside via hook-and-loop. It has two carrying handles and multiple storage options thanks to a sewn-in TACpanel OMEGA with bungee paracord, attachment loops, and internal compartments.

SPECIAL FEATURES AT A GLANCE

- Slim design, with reversible outer pouch and spacious interior compartment
- Easily combinable with overlaying backpacks and other existing gear such as plate carriers
- Made of particularly lightweight CORDURA® Ripstop 560 dtex and highly abrasion-resistant, finely textured CORDURA® TPD 560 dtex – for maximum durability while remaining lightweight and visually striking (inner insert Ripstop 560 dtex | outer pouch TPD 560 dtex)

Flexible IFAK made of CORDURA® materials, large size, for horizontal attachment



Three large loops for e.g. bandages or tourniquets



TACpanel OMEGA for e.g. shears or decompression needle



Three-section internal compartment for additional equipment, e.g. emergency blanket or hemostatics

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDURA (CORDURA® fabric)	● Black	approx. 14 x 21 x 7 cm	approx. 0.26 kg	approx. 2.1 l	HT14-TBIFAK02-0
	● Olive Green				HT14-TBIFAK02-S2
	● Coyote				HT14-TBIFAK02-S3

AEROCASE® – TACbag IFAK01

Compact operational pouch with sewn MOLLE system, made of high-quality black AEROTex® – DURA (Nylon). The interior features elastic loops and compartments for organised storage of materials. On the front there is a 5 cm wide hook-and-loop strip and four webbing loops; the back is equipped with two press-stud attachment straps and two duty-belt loops. Includes a high-quality zipper with noise-reduced cord pullers for easy opening and closing.

SPECIAL FEATURES AT A GLANCE

- Small and large loops for individual organisation of materials
- Attachment straps with press studs as well as two duty-belt loops

Optimal solution for mobile use thanks to low weight and compact size



Rear view



Example contents

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – DURA (Nylon)	● Black	approx. 11 x 20 x 6 cm	approx. 0.1 kg	approx. 1.3 l	HT22-BIFAK01-0

AEROCASE® – TACbag IFAK02

Compact operational pouch with MOLLE system, made of black, water-repellent and disinfectable AEROTex® – PLAN (Tarpaulin, matt). The interior includes various elastic loops and compartments for storing operational equipment. On the front there is a 5 cm wide hook-and-loop strip and two rows of webbing loops; the back features a hook-and-loop surface for attachment to the supplied carrier plate or, for example, in emergency vehicles. Additionally, there is a wide top carry handle for transport or quick removal from the carrier plate.

The carrier plate is equipped with laser-cut MOLLE, two press-stud attachment straps and two duty-belt loops. In addition to the hook-and-loop surface on the back, the IFAK is further secured to the carrier plate by a side-release buckle with adjustable tension strap, and two D-rings are attached as fixing points for carabiners.

Includes a high-quality zipper with noise-reduced cord pullers for easy opening and closing.

SPECIAL FEATURES AT A GLANCE

- Spacious interior with various compartments and elastic loops
- Numerous attachment options including sewn and laser-cut MOLLE on the removable carrier plate

Extremely durable IFAK made of tarpaulin material with particularly versatile deployment options



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (matt)	● Matt black (RAL 9005)	approx. 15 x 20 x 6.5 cm	approx. 0.28 kg	approx. 2 l	HT23-BIFAK02-0

AEROCASE® – TACbag Tourniquet Pouch

Robust and functionally designed tourniquet pouch, made of durable CORDURA® fabric with reinforced material. Features dual-sided access and optional one-handed operation, with numerous practical details. Developed for fast and secure use in all tactical situations.

SPECIAL FEATURES AT A GLANCE

- Made of particularly lightweight CORDURA® Ripstop 560 dtex and highly abrasion-resistant, finely textured CORDURA® TPD 560 dtex – for maximum durability while remaining lightweight and visually striking (shaft Ripstop 560 dtex | cover TPD 560 dtex)
- Large reinforced openings and rear PE plate with integrated MOLLE attachment and belt loop
- Dual-sided opening for flexible access – one-handed operation possible
- Suitable for vertical attachment via MOLLE or horizontal mounting on the belt
- Optimized for e.g. FR19® Gen 2 Extremity Tourniquets – secure hold even with opened sides and during movement
- Side compartment for AEROuse – Permanent Markers (see page 31), glow sticks, and more
- High-grip, color-contrasted zipper pulls (red on black variant, black on Olive Green and Coyote)

Highly thought-out details for rapid tactical use



Example contents

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDRA (CORDURA® fabric)	● Black	approx. 7 x 16 x 5.5 cm	approx. 0.08 kg	approx. 0.62 l	HT14-TBTP01-0
	● Olive Green				HT14-TBTP01-S2
	● Coyote				HT14-TBTP01-S3

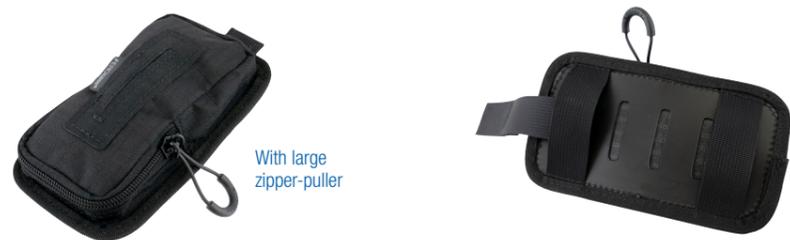
AEROCASE® – TACbag Glove Pouch

High-quality pouch for disposable gloves, such as the AEROuse – EASY Gloves Premium Guard, made of CORDURA® fabric with reinforced material. Features an elastic, centered pull-through opening to prevent contamination of gloves. Designed for reliable use in critical situations.

SPECIAL FEATURES AT A GLANCE

- Made of particularly lightweight CORDURA® Ripstop 560 dtex and highly abrasion-resistant, finely textured CORDURA® TPD 560 dtex – for maximum durability while remaining lightweight and visually striking (pouch: Ripstop 560 dtex | opening: TPD 560 dtex)
- Elastic pull-through opening, centrally located on the front – for hygienic single-glove removal
- Main compartment with zipper, for easy replenishment of disposable gloves (volume approx. 0.36 l)
- Rear PE plate with integrated MOLLE attachment and belt loop

Lightweight glove pouch for critical operational situations



With large zipper-puller



Example contents



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – CORDRA (CORDURA® fabric)	● Black	approx. 8 x 15 x 3 cm	approx. 0.05 kg	approx. 0.36 l	HT14-TBGP01-0
	● Olive Green				HT14-TBGP01-S2
	● Coyote				HT14-TBGP01-S3

AEROCASE® – ORGAbag A4-2

Two-coloured organizer in DIN A4 format, made of high-quality AEROTex® – PES (Polyester), for clear organisation and storage of forms, documents, vehicle papers, writing utensils, and more. The front features laser-cut MOLLE and a hook-and-loop panel. Additionally, the user has a fastening option via clip and bungee paracord, e.g., for trauma shears. The back is fully smooth and without compartments – no protruding elements for optimal carrying comfort and flat placement. Equipped with many practical details that simplify the daily use.

SPECIAL FEATURES AT A GLANCE

- Front with laser-cut MOLLE, back smooth and without compartments
- Equipped with a side-attached snap-back handle, allowing flat placement when open
- Two-hole punching and template with integrated ruler
- Colour-coded compartment for easier organisation
- Zippered pocket for small items and loops for pens
- SIMS – Snap-In Magnetic System with magnetically attachable key clip



Example contents

SIMS - Snap In Magnetic System



Material	Colour	Dimensions (W x H x D)	Weight	Order number
AEROTex® – PES (Polyester)	● Black / Olive Green	approx. 29 x 37.5 x 6.5 cm	approx. 1.14 kg	HT11-ORGAB42-S20/WCB

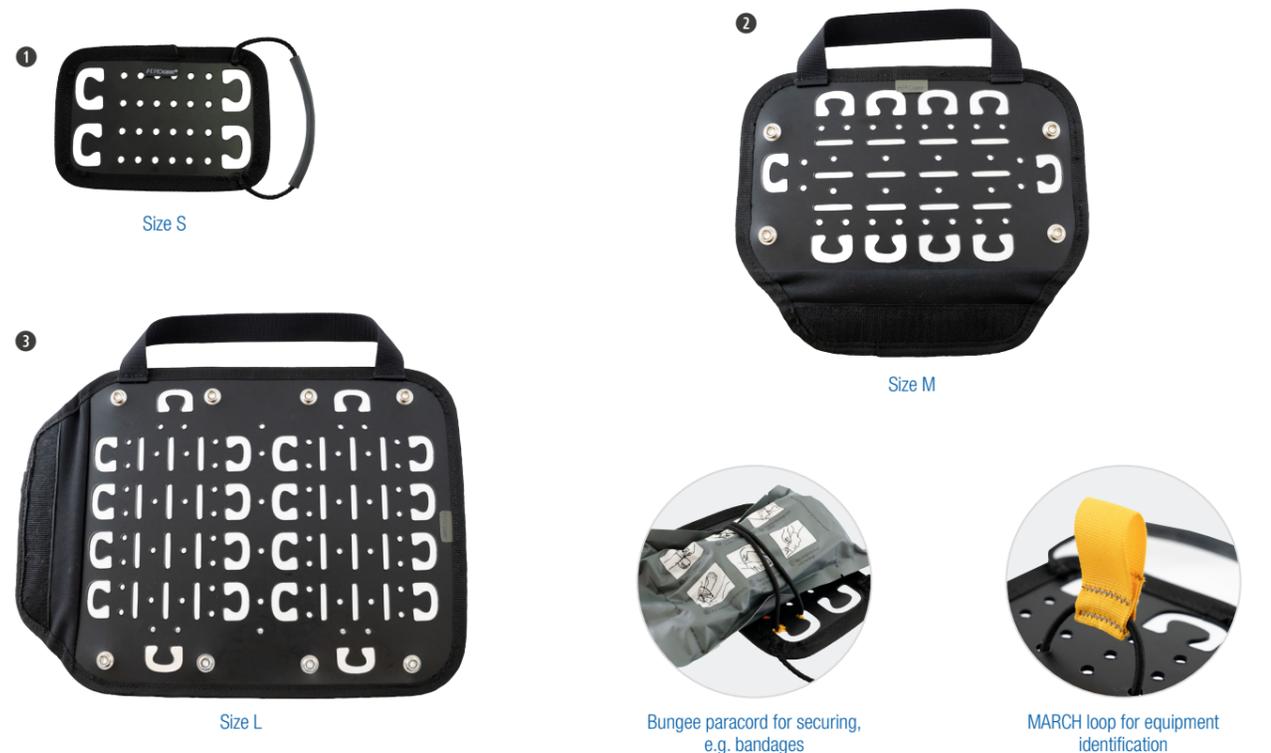
AEROCASE® – TACpanel OMEGA S | M | L

Extremely robust and modular low-profile panels for use as open carrying systems, allowing fully individual configuration without a predefined design. The TACpanels OMEGA are user-oriented and made of high-quality materials. They can be used as stand-alone panels (size “Small”) or as accessories for various tactical AEROCASE® backpack systems (sizes “Medium” and “Large”). Lightweight yet highly durable under heavy loads.

- Made of robust and flexible polyethylene, with polypropylene edging and reinforced handle (size S) or hand strap (sizes M and L)
- Completely free, open orientation and rapid adjustment of equipment using a wide range of attachment options
- For compact storage of operational equipment, e.g. tourniquets, bandages, flashlight, various tools, or personal items such as smartphone, keys, wallet, lighters, and more
- Small – suitable as stand-alone, e.g. to insert into clothing, use in vehicles, or attach to other systems
- Medium and large – ideally suited as optional accessories for AEROCASE® backpack systems Medic MANV L, Medic COMBAT XL, and as supplementary accessories for Medic RESPONDER L. (Further system details from page 12.)

INCLUDED ACCESSORIES AT A GLANCE

- **TACpanel OMEGA | Size S**
2 m bungee paracord | 4 cord stoppers | 2 MARCH loops in 5 colours each
- **TACpanel OMEGA | Size M**
4 m bungee paracord | 8 cord stoppers | 4 MARCH loops in 5 colours each | 1 m hook-and-loop strip back-to-back
- **TACpanel OMEGA | Size L**
6 m bungee paracord | 12 cord stoppers | 5 MARCH loops in 5 colours each | 2 m hook-and-loop strip back-to-back



TACpanel OMEGA | Accessories



Materials	Colour	Dimensions (W x H)	Weight	Order number
Polyethylene (PE) Polypropylene (PP)	● Black	approx. 10 x 15 cm	0.02 kg	① HT10-TPOMG01-S-0
		approx. 26.5 x 22 cm	0.10 kg	② HT10-TPOMG01-M-0
		approx. 26.5 x 37.5 cm	0.18 kg	③ HT10-TPOMG01-L-0

AEROCASE® – TAC Bar

The TAC Bar allows a wide variety of items to be attached to any MOLLE system, such as a tourniquet, bandage, or other small equipment. The double-loop system provides extremely fast and secure access to small gear in a compact size.

SPECIAL FEATURES AT A GLANCE

- Ideal solution for immediate access to small items – easy to mount and carry on MOLLE surfaces
- Robust bar with double loop for securing e.g. a bandage, AEROUSE – Permanent Marker, or flashlight
- Compatible with most tourniquets, e.g. the FR19® Gen 2 Extremity Tourniquet



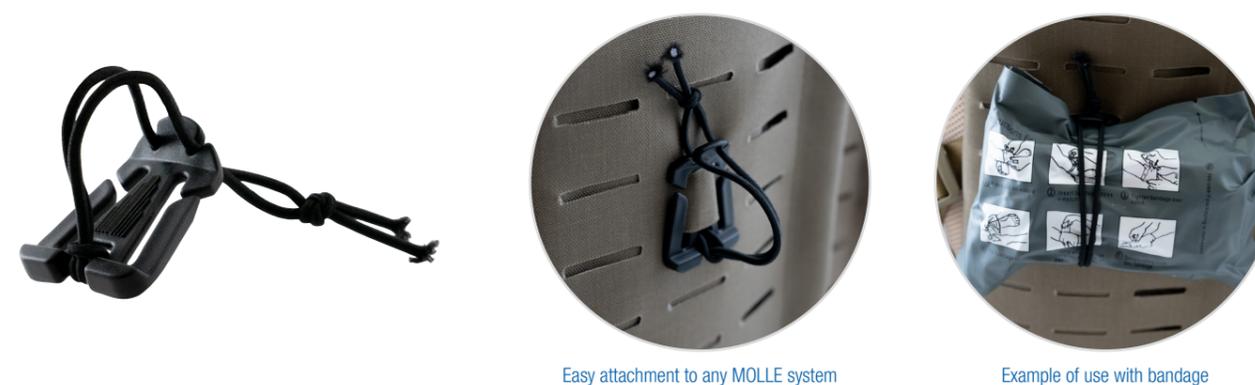
Materials	Colour	Dimensions (W x L)	Weight	Order number
PETG, rubber	● Black / Olive Green	approx. 2.5 x 12.5 cm	approx. 0.02 kg	HT10-TB01-BLK

AEROCASE® – TAC Multiclip

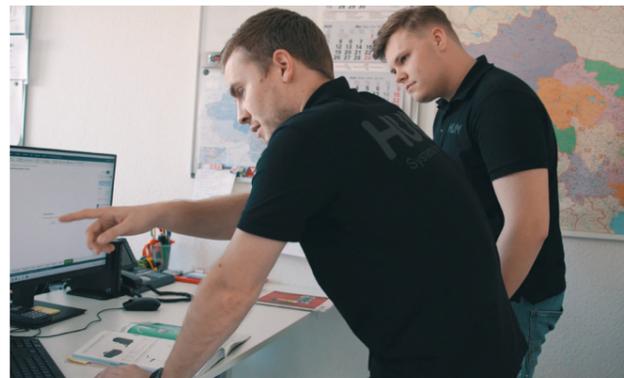
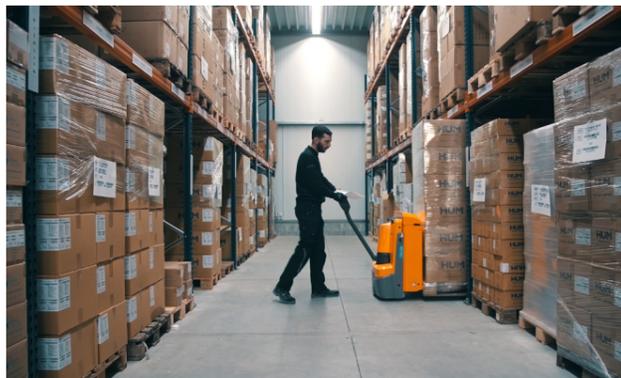
This tactical holder adds a practical attachment option using a clip and bungee paracord, suitable for mounting on any MOLLE system. A secure and particularly robust solution for users seeking flexible, additional attachment possibilities.

SPECIAL FEATURES AT A GLANCE

- Space-saving and secure fixing option – easy to mount and carry on MOLLE surfaces
- Clip made of durable material with a small opening for safe threading
- Stretchable, abrasion-resistant bungee paracord
- For attaching items such as bandages, flashlights, and more



Materials	Colour	Dimensions	Weight	Order number
Polyoxymethylene (POM), Polyester (PES), Latex	● Black	Clip (W x H x L) approx. 3.3 x 0.7 x 4.4 cm, Band (L) approx. 11.5 cm	0.006 kg	HT10-TMC01-BLK



Our Medical Technology Division

For more than 30 years, we have been acting as a provider of medical consumables that are also used in the tactical sector. Our extensive portfolio includes long-established products such as endotracheal tubes, manual resuscitators, emergency blankets and splints. In addition, we have expanded our product portfolio in the field of tactical medicine to include products such as tourniquets, emergency bandages and other medical consumables.

Our Competencies

The team at our location in Lünen offers you a coordinated range from a single source. In the tactical sector, we stand for the following services:

- **Highest product quality:** Quality management system in accordance with DIN EN ISO 13485 and compliance with the Medical Device Regulation (MDR)
- **Proprietary brands:** Established, innovative AERO brands, characterized by the highest quality and functionality
- **Our focus:** Highest product quality, customer satisfaction and crisis resilience

Our Added Value

Quality, durability and close cooperation with users and partners characterize our actions. Our expertise comprises:

- **Consulting:** Professional expertise and comprehensive advice
- **Reliability:** Partnership and the needs of the customer at the center
- **Innovation:** Continuous expansion and optimization of the range as required

Our Brand

Our AERO brands stand for high competence and diverse applications that meet your demand for premium quality. According to the MARCH scheme, we provide the following products for you, among others:

- **AEROfusion:** Tourniquets, One-Handed Tourniquets
- **AEROuse:** Emergency Bandages, Hemostatics, Compressed Gauze, Instant Heat Compresses
- **AERObtube®:** Chest Seals, Naso- and Oropharyngeal Airways, Decompression Needle
- **AEROprotective®:** Eye Shield
- **AEROfesc®:** Cervical Collar, Universal Splints
- **AEROcheck®:** Aneroid Sphygmomanometers, Stethoscopes, Diagnostic Lamp

MARCH Scheme | xABCDE Scheme

In emergency medicine, the **xABCDE** and **MARCH** schemes have established themselves as two structured approaches that are used depending on the operational environment and the user.

xABCDE is a universal emergency examination scheme for the structured care of critically ill or injured patients. It covers airway, breathing, circulation, neurology, and full-body examination, whereby life-threatening bleeding is stopped first.

MARCH, on the other hand, is a special trauma scheme from the tactical field that focuses particularly on massive hemorrhage, thoracic injuries, and protection against hypothermia.

We have categorized our products according to the **MARCH scheme**. This supports structured processing in an emergency; however, the individual operational situation must be observed at all times.

The MARCH scheme procedure at a glance:



MASSIVE HEMORRHAGE

Massive hemorrhages are treated with the highest priority: triaging and immediate cessation using a "Body Check" and "Blood Sweep". Control of the bleeding using pressure, tourniquet, wound packing, hemostatics, and pressure bandages before further measures are taken.



AIRWAY

Control and securing of the upper airways to ensure an adequate oxygen supply. Addressing the patient, inspecting the oral cavity or swellings. If trauma is suspected, the airway is opened primarily by means of a "Jaw-Thrust" (Esmarch manoeuvre) under cervical spine protection; without suspected trauma, the Head-Tilt/Chin-Lift can be applied. In case of unconsciousness, the airway is secured, if necessary also providing ventilation.



RESPIRATION

Control of breathing and the thorax: checking the respiratory rate, examination of the chest for injuries, as well as the back and armpit area. Needle decompression in the case of a tension pneumothorax and sealing of open wounds with a chest seal.



CIRCULATION

Assessment of the circulatory situation by checking pulse, pulse rate, pulse quality, and blood pressure, as well as recognizing signs of shock; this is followed by further bleeding control, the creation of suitable access and – depending on the situation – the initiation of volume or shock therapy, as well as the examination of extremities, pelvis, and abdomen for injuries.



HEAD / HYPOTHERMIA

Examination of the head as well as consistent prevention of hypothermia. Control of head, ears, nose, mouth, and eyes for a potential traumatic brain injury. Support through the PERRLA scheme to recognize neurological abnormalities. Optimization of heat maintenance to contribute to the most stable condition of the patient possible.

In the following chapters, you will find further information as well as medical products that we provide for care according to the MARCH scheme. Feel free to contact us at any time – we will be happy to advise you on your individual needs!

Medical Products



MASSIVE HEMORRHAGE

Massive and life-threatening hemorrhages are treated with the highest priority in emergency medicine. The focus is on triaging and immediate cessation. First, the entire body of the wounded person is searched for injuries (“Body Check”) by wiping the body with the hands both over and under the clothing (“Blood Sweep”).

The primary goal is the control of the hemorrhage, which is achieved through direct application of pressure, the application of a tourniquet, wound packing (“Wound Packing”), including the use of hemostatics, and pressure bandages. These measures are required before any further steps are initiated.

HUM provides the following products for this purpose.

AEROfusion – Tourniquets

Exclusive Importer Germany

FR19® Gen 2 Extremity Tourniquet

Specially designed tourniquet for stopping severe hemorrhages and preventing blood loss in injuries or amputations of most extremities. It allows a quick and effective application thanks to one-handed operation on any limb, fewer rotations required for hemorrhage control and a wide strap that ensures more uniform pressure distribution. Additionally, the tourniquet also features a double-sided, angled locking entry for easy threading and securing of the strap, as well as a double-sided locking mechanism. Suitable for adults as well as for single use.

- One-handed operation
- Fast application thanks to fewer rotations for hemorrhage control
- Stabilization plate made of durable, flexible and unbreakable plastic
- Crutch made of sturdy plastic, with increased diameter, deep grooves as well as non-slip texture for a secure grip
- Special shape of the clamping hook for easy locking of the crutch
- Wide strap for more uniform pressure distribution



Materials	Dimensions	Weight	Colour	Nato Stock Number (NSN)	Order number
Polyester (PE), Hook and Loop Fastener, Polyamide (PA) as well as plastic	Unopened (W x H x L) 7 x 5 x 14.5 cm Opened (L) 95 cm	approx. 0.09 kg	● Black	6515-27-070-0275	HTQ01-BLK
			● Orange	-	HTQ01-O
			● Blue	-	HTQ01-B

AEROuse – Permanent Marker

Compact tactical marker for labeling tourniquets and other medical documentation such as patient tags. Together with the FR19® Gen 2 Extremity Tourniquet, it fits perfectly into the AEROcase® – TACbag Tourniquet Pouch as well as into every IFAK or medic bag. With practical clip attachment and mounting hook on the cap.

- Suitable for tourniquets and further documentation
- Ideal for labeling almost all surfaces
- Quick-drying and waterproof
- With round tip
- Phthalate-free (6P)



Colour (pen, ink)	Material	Dimensions (W x L)	Weight	Order number
● Black	Plastic	approx. 1.5 x 9 cm	approx. 0.006 kg	HWM-PM01-BLK1

MEDICAL

AEROuse – Emergency Bandage

Sterile emergency bandage available in three sizes, made of high-quality materials and easy to handle. Designed to ensure fast and reliable wound care and immediate haemostasis of severe bleeding. Universally applicable emergency dressing, especially for sensitive areas. Suitable for adults and children as well as for single use.

- One-handed operation
- 4-in-1 dressing: pressure bandage, primary care, secondary treatment, and fixation
- High-quality materials and workmanship
- Highly absorbent wound pad with non-adherent surface
- Integrated pressure bar and closure clip, made of rounded, flexible material
- Roll-out protection for safe and controlled application



Model	Materials	Dimensions (W x L)	Length stretched	Wound pad	Weight	Order number
10 cm / 4 inches	Cotton, elastane, polyester (PE), non-woven fabric as well as polycarbonate (PC)	approx. 10 x 360 cm	approx. 400 cm	10 x 18 cm	approx. 0.07 kg	HWV02-TRS10x4
15 cm / 6 inches		approx. 15 x 360 cm		15 x 18 cm	approx. 0.10 kg	HWV02-TRS15x4
20 cm / 8 inches		approx. 20 x 360 cm		30 x 30 cm	approx. 0.23 kg	HWV02-TRS20x4

AEROuse – Hemostatics

Axiostat® – Chitosan-based Haemostatic Wound Gauze | Typ Z-fold

Sterile wound gauze for the immediate control of moderate to severe haemorrhages in operational situations in which tourniquets or pressure bandages are insufficient – e.g. for gunshot, stab and amputation wounds. The Z-fold of the dressing as well as the active ingredient Chitosan enable fast and controlled wound packing, with flexible adaptation to any wound. For single use, additionally available as a Trainer Pack.

- For fast blood clotting thanks to Chitosan
- Biocompatible as well as bioactive material
- Suitable as a first-response measure until professional medical care
- Z-fold – flexibly formable, easy to cut and fold
- Also suitable for sensitive body parts and can be removed in a pain-relieving manner
- Tested according to MIL 300



Description	Material	Dimensions (W x L)	Weight	NSN	Order number
Axiostat MIL300	Chitosan	7.6 x 300 cm	approx. 0.031 kg	6510-72-057-0460	① HWW91-GHS01
Axiostat Trainer Pack			approx. 0.034 kg		② HWW91-GHS02

AXIOSTAT® is a registered trademark of Axio Biosolutions Pvt. Ltd., Plot No. 101, Udyog Vihar, Phase VI, Gurugram, Haryana 122007, IN

AEROuse – Compressed Gauze

The sterile 6-ply gauze in Z-fold is a compressed, vacuum-packed gauze dressing which is easy to unfold. It is suitable for haemostasis through compression as a pressure bandage, for optimal fluid absorption or wound cleaning. For use in tactical medicine as well as in emergencies and first aid, suitable for single use.

- Particularly compact gauze thanks to vacuum compression
- Versatile application possibilities – for haemostasis, for bandaging or as a supportive dressing
- For binding or fixation
- Made of high-quality material
- With crinkle-weave structure for high absorption performance



Material	Dimensions (W x D)	Weight	Order number
Cotton	11.43 x 375 cm	approx. 0.04 kg	HWW01-GZS01

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Medical Products



AIRWAY

After treating potentially life-threatening injuries, the upper airways are checked and secured to ensure an adequate oxygen supply. This includes addressing the patient and checking for foreign bodies in the oral cavity or possible swelling.

If trauma is suspected, the airway is primarily opened using the “Jaw-Thrust” manoeuvre (Esmarch manoeuvre – specifically for keeping the airways clear) while protecting the cervical spine. If trauma is not suspected, the HTCL manoeuvre (“Head-Tilt/Chin-Lift”) can be applied. In cases of unconsciousness, the airway is secured using a nasopharyngeal airway; ventilation is provided if required.

We offer you the following high-quality products for this purpose.

AEROTube® – Nasopharyngeal Airways

Single-use nasopharyngeal airways according to Wendl, for fast and reliable securing of the airways. The soft and flexible consistency as well as the atraumatic rounded tips enable gentle and safe ventilation. Available in transparent PVC with internal GlideTex grooves for easier insertion ❶ - ❸ or green silicone with an adjustable ring for precise positioning ❹ - ❺.

- Latex- and DEHP-free
- Excellent biocompatibility – no irritation of the sensitive mucous membranes of the nasal cavity and pharynx
- Individually sterile packed

QTY: 10



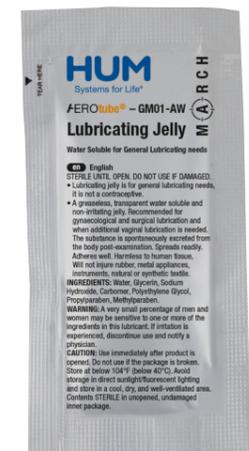
Colour	Material	CH	ID	Volume	Order number
● Transparent	PVC	28	7.0 mm	approx. 0.008 kg	❶ HNT01-F01-28
		30	7.5 mm		❷ HNT01-F01-30
		32	8.0 mm		❸ HNT01-F01-32
● Green	Silicone	28	6.5 mm	approx. 0.009 kg	❹ HNT02-S01-28
		30	7.0 mm		❺ HNT02-S01-30
		32	7.5 mm		❻ HNT02-S01-32

AEROTube® – Lubricating Jelly

Specially developed lubricant to facilitate the use of supraglottic airway devices, endotracheal tubes as well as naso- and oropharyngeal airway aids. Gentle on human tissue, rubber, metallic instruments as well as natural and synthetic textiles. Available in practical sachets.

- Water-soluble for general lubricating needs
- Greaseless and transparent
- Leaves no residue in the body
- Optimal gliding properties – easy to spread and reliably adherent
- Suitable for other medical applications
- Sterile and vacuum-packed, in sachets of 0.005 kg

QTY: 150



Dimensions (W x L)	Contents	Order number
approx. 4 x 8 cm	0.005 kg	HGM01-AW

AERObag® – Oropharyngeal Airways

Single-use oropharyngeal airways according to Guedel, for maintaining open airways and preventing airway collapse. With outer material made of flexible polyethylene and an integrated bite block made of stable polypropylene, colour-coded according to sizes. Also available in a practical set.

- Latex-free
- Made of flexible and robust materials
- Additionally available as a set in a transparent storage box (8 Guedel airways)

QTY: 10



Box dimensions:
approx. 12 x 5 x 17.5 cm (W x H x L)

Size	ISO	Length	Colour code	Order number
000	4	40 mm	Pink	① HOT01-G000
00	5	50 mm	Blue	② HOT01-G00
0	6	60 mm	Black	③ HOT01-G0
1	7	70 mm	White	④ HOT01-G1
2	8	80 mm	Green	⑤ HOT01-G2
3	9	90 mm	Yellow	⑥ HOT01-G3
4	10	100 mm	Red	⑥ HOT01-G4
5	11	110 mm	Orange	⑥ HOT01-G5
6	12	120 mm	Purple	⑥ HOT01-G6

Sizes	Packaging	Order number
000 - 5	Plastic box	HOT01-G000-5-BOX

AERObag® – CPR Face Shields

Single-use CPR face shield made of polyethylene (PE) for adults, consisting of user side's printed face cover and an integrated one-way valve. Supplied in a practical soft case 5 x 5 cm, made of nylon fabric and with a key ring. For easy and safe use in emergency situations.

- Optimal aids for easy and safe rescue breathing in emergency situations
- Available in other colours upon request



Customized CPR face shields with individual customer logo available upon request

QTY: 10

Colour	Order number
● Black	HBT01-V-S5x5-BLK

Medical Products



RESPIRATION

The control of breathing and the thorax is crucial for the care of the patient. First, the respiratory rate is checked to recognize signs of respiratory distress. The chest is examined for injuries such as bruise marks, haematomas or fractures. The back and armpit area must also be taken into account.

Special attention is paid to the detection of a tension pneumothorax or open thoracic wounds, which can massively impair breathing. In the case of a tension pneumothorax, needle decompression is necessary. Penetrating wounds are sealed with a Chest Seal to prevent air entry.

To support these measures, we offer you the following high-quality products in the "Respiration" section.



FEROtube® – Chest Seals

Reliable chest seals for the emergency treatment of an open pneumothorax, available with and without valves. They prevent air from entering the chest cavity; the version with valves simultaneously drains accumulated gas or fluid, helping to maintain respiratory and circulatory functions that are impaired by the thoracic injury. Sterile as well as suitable for single use.

- Professional, safe wound care for open chest injuries
- Available without valves or as a version with 4 valve channels (ventilation channels), which simultaneously serves as a 4-valve drainage system and ensures functionality in the event of a valve blockage
- Transparent design for ideal placement as well as adaptation to the wound area
- Optimal adhesion even under demanding conditions thanks to self-adhesive gel coating using hydrogel-based adhesive



With valves



Without valves

Model	Colour	Dimensions	Weight	Order number
With valves	Transparent	approx. 15 x 15 cm	approx. 0.03 kg	① HWV03-CSS01V
Without valves			approx. 0.04 kg	② HWV03-CSS01

FEROtube® – Decompression Needle

Robust 14G decompression needle for the acute treatment of a tension pneumothorax. It enables rapid and effective relief of critical overpressure in the pleural space, supports the decompression of the lung and mediastinum and contributes to fast haemodynamic stabilisation by improving venous return. Sterile as well as suitable for single use.

- High-quality, reliable special catheter for relief of a tension pneumothorax
- 14G, O.D. approx. 2.1 mm, I.D. approx. 1.6 mm, colour-coded hub and catheter length approx. 8.3 cm
- Sterile plastic tube for quick access as well as protection of the needle from damage
- Smooth, sharp-ground needle tip for minimally invasive insertion
- Capless sight chamber for immediate confirmation of correct placement, with integrated ventilation system for effective pressure relief
- Removable valve for visual function check



Example product presentation



Sterile tube for protecting the needle

Description	Material	Weight	Order number
Decompression needle 14G / Orange, catheter length approx. 8.3 cm	Stainless steel (needle)	approx. 0.02 kg	HDR01-EN01-8.25-14V

FEROuse – Scissors / Trauma Shears

High-quality angled scissors / trauma shears with silver-coloured blades and an ergonomic, black plastic handle. The special shape with a blunt hook at the lower end of the blade enables safe and effective cutting of clothing and bandages without risk of injury. Robust and durable model, ideal for use in medical emergencies.

- Available in 2 different lengths
- Robust and durable model
- Angled and with blunt ends
- Made of corrosion-protected and stainless steel
- With silver blade and black handle
- Non-sterile, autoclavable up to 105 °C



Colour	Materials	Dimensions	Weight	Order number
Silver / Black	Stainless steel, polypropylene (PP)	90 x 14.5 cm	approx. 0.05 kg	HKS11-145-BLK1
		90 x 19.0 cm	approx. 0.06 kg	HKS11-190-BLK1

FEROresc® – EASY Collar Adult - Cervical Collar

Adjustable cervical collar for adults which is used for safe immobilization of the cervical spine and offers easy handling plus high stability.

- Adjustable to 16 levels
- Oversized access on the front and rear side for pulse control, airway management, view at larynx, palpation
- Very flat design and space-saving stowage thanks to the self-raising chin support
- Radiolucent, CT and MRI compatible and hypoallergenic



With self-raising chin support



4 colour-coded size range

QTY: 20

Model	Colour	Dimensions	Weight	Order number
Adult	Olive Green / Black	57 x 18 cm	0.13 kg	HIMT11-EC-T

Medical Products



CIRCULATION

Assessment of the circulatory status by checking the pulse, pulse rate, pulse quality and blood pressure as well as by recognising signs of shock. First, the pulse of the patient is checked at the wrist and neck; a palpable pulse at the wrist indicates adequate blood pressure. Then, the exact pulse rate and quality are recorded.

This is followed by further hemorrhage control, the placement of suitable access points and – depending on the situation – the initiation of volume or shock therapy. In addition, all extremities are checked for injuries and stability, and the abdomen and pelvis are checked for signs of internal or external injuries. During this process, abnormalities such as haematomas, malpositions or other irregularities can be identified.

AEROuse – EASY Gloves Guard | Single-Use Nitrile Gloves

High-quality single-use examination and protective gloves according to DIN EN 455, made of blue nitrile, powder- and latex-free as well as elastic. With extended cuffs and rolled edges for a secure hold. Available in sizes L and XL, packed in pairs and non-sterile – ideal for tactical medicine, emergency care, and missions under high stress.

- Available in sizes L and XL, colour blue
- Packed in pairs (2 pcs / polybag)
- Wall thickness finger approx. 0.08 mm, palm approx. 0.07 mm
- Extended cuffs with rolled edge – reliable hold, quick and easy to put on and take off
- Textured fingers – very good grip and excellent tactile sensitivity
- Ambidextrous



AQL 1.5



AEROuse –
EASY Gloves
Premium Guard
(Dispenser boxes)

Model name	Size	Material	Colour	Dimensions (L)	Order number
Guard	L	Nitrile butadiene rubber (NBR)	Blue	290 mm	① HHS11-G-PF3-B-L/2
	XL				② HHS11-G-PF3-B-XL/2

AEROcheck® – Aneroid Sphygmomanometers One-tube System | Two-tube System

High-quality aneroid sphygmomanometers, available as a one-tube system ① and two-tube system ②, for use on the upper arm. With extra shock-protected housing and large, easy-to-read scale, suitable for all medical areas. Supplied with a cuff for adults and a storage bag; further cuffs are available separately.

- Measurement range: 0 - 300 mmHg
- High measuring accuracy
- Resolution: 2 mmHg
- Pressure reduction rate: 2 - 3 sec
- 6 cm dial with extra shock protection ring
- Corrosion-free manometer
- Tubing length: 70 cm
- Push-in connection for a quick change of the cuff
- Washable nylon cuff cover
- Flexibly adjustable hook and loop cuff without a bothersome D-Ring

One-tube system

The one-tube technology ensures easy handling and impresses with its lightweight and compact design.

Two-tube system

The sphygmomanometer with two-tube system enables a faster and more precise inflation of the cuff thanks to the distribution of the pump strokes.



Description	Materials	Dimensions (W x H x D)	Weight	Order number
One-tube system	Stainless steel, chrome plated ABS (device), nylon (cuff, bag)	18,5 x 11 x 7,5 cm	0.45 kg	① HBDM01-S1M60E1-BLK
Two-tube system			0.50 kg	② HBDM01-S2M60E1-BLK

AEROcheck® – Stethoscopes Single Head and Dual Head

High-quality and robust stethoscopes, available as single head ❶ or dual head version ❷. Also suitable for use with sphygmomanometers, such as the AEROcheck® – Aneroid Sphygmomanometers.

- Reusable
- Suitable for adults
- Easy to use
- Robust and solid workmanship, particularly durable
- Very good sound transmission due to PVC tubing

Single head stethoscope:

Stethoscope for indirect listening (auscultation) of the internal organs, especially of the heart and lungs, ideal for quick and frequent use. Very good sound transmission, robust workmanship, durable and latex-free.

Dual head stethoscope:

Suitable for multifunctional use and daily application. Lightweight and robust model, with high acoustic quality thanks to the ultra-sensitive membrane – for transmitting high frequencies and isolating low frequencies.



Description	Materials	Total length	Weight	Order number
Single head stethoscope	PVC (Tubing), Aluminium alloy, anodized (chest-piece)	approx. 75 cm	approx. 0.08 kg	❶ HSTKP01-E01-E-BLK
Dual head stethoscope		approx. 77.5 cm	approx. 0.09 kg	❷ HSTKP02-E01-E-BLK

AEROcheck® – Diagnostic Lamp

Reusable diagnostic lamp, suitable for general examination as well as approved and tested for eye diagnostics. Lightweight and compact pen shape, robustly manufactured and particularly durable. Bright and targeted light thanks to LED technology, with replaceable light source. Delivery including batteries.

- Approved and tested for eye diagnostics
- Ideal everyday companion in tactical operations
- Illuminance: 4.8 lumen (lm)
- Colour temperature: 3200 Kelvin (K) – warm white light
- Consisting of diagnostic light, spring clip, LED lamp, 2 batteries (type 1.5 V AAA)

Push-button on / off mechanism

Ideal for clothing or loops thanks to clip fastening

Stable housing made of aluminium

Optimal protection of the light

LED approved for eye diagnostics



Description	Material	Dimensions	Weight	Order number
Diagnostic light with spring clip, LED lamp as well as 2 batteries	Aluminum alloy	approx. 14 cm long, Ø approx. 0.11 cm	approx. 0.03 kg*	HDL01-AL01-R

*Including batteries

AERoresc® – EASY Splint - Universal Splints

Malleable universal splints for immobilization of almost all human limbs and the cervical spine. Lightweight, compact and space-saving and can be cut to any size. Suitable for numerous fields of application.

- With olive green outside and grey patient side
- Patient side with structured surface for a secure grip and better air circulation
- Soft padded sheath made of polyethylene foam IXPE, with aluminium core
- Radiolucent
- Waterproof and reusable



Better air circulation | Secure grip



EASY Splint - Individual splints

Size	Dimensions (W x L)	Weight	Type	Order number
XS	5 x 11 cm	approx. 0.004 kg	flat	❶ HIMT02-SPT-XS
M	50 x 11 cm	approx. 0.08 kg	rolled	❷ HIMT02-SPT-M
L	100 x 11 cm	approx. 0.16 kg	rolled	❸ HIMT02-SPT-XL

EASY Splint - Set and set replacement splints

Size	Dimensions	Weight	Type	Order number
2x XS 1x M 1x XL	17.5 x 12 x 6 cm (W x H x D)	approx. 0.31 kg	Set	❹ HIMT02-SPT-SET1
XS	5 x 11 cm (W x L)	approx. 0.004 kg	flat / rolled	❶ HIMT02-SPT-XS
M	50 x 11 cm (W x L)	approx. 0.08 kg		❷ HIMT02-SPT-M-SET
XL	100 x 11 cm (W x L)	approx. 0.16 kg		❸ HIMT02-SPT-XL-SET

AEROfusion® – One-Handed Tourniquet

Professional and patient-friendly tourniquet, suitable for adults and children. Customisable solution, convenient one-handed operation and thanks to the multifunctional closure, it can be decongested and released separately.

Easy handling

- Multifunctional closure for easy opening and loosening
- Fast one-handed operation without repositioning
- Easy to apply and safe decongestion
- Safely rolled up with clamp closure
- With eyelet for hanging

Patient-friendly and safe

- No pinching, clamping or bruising of the skin
- Skin-friendly and particularly robust polyester strap with 250 % elasticity
- Reliable hold thanks to a stable safety closure



QTY: 50

Materials	Colour	Dimensions (L x W)	Weight	Order number
Polyester, elastane (strap), ABS (buckle)	● Black	40 x 3.5 cm (2.5 cm width strap)	approx. 0.03 kg	HVS01-25W/BLK-2.0/KD

Medical Products



HEAD / HYPOTHERMIA

In the last step of the MARCH scheme (“H – Head injury/Hypothermia”), the patient’s head is examined while simultaneously ensuring consistent heat preservation.

The head, ears, nose, mouth and eyes are carefully checked for bleeding, fractures, soft tissue injuries or other abnormalities that may indicate traumatic brain injury (TBI). The pupillary response can be assessed using the PERRLA scheme (“Pupils Equal, Round, React to Light and Accommodation”) to detect neurological abnormalities early.

At the same time, heat preservation is optimised, as hypothermia impairs coagulation and can significantly affect the patient’s condition.

To support these measures, HUM provides you with products that effectively assist you in the „Head / Hypothermia“ section.

AEROPROTECTIVE® – Eye Shield

High-quality curved eye shield made of robust polycarbonate, which reliably protects the injured eye from further external influences. Suitable for use under demanding and harsh conditions, in tactical operations as well as in intensive training situations. The single-use eye shield combines high impact resistance with maximum visibility and high wearing comfort. With a universal fit for both eyes.

- Made of high-impact polycarbonate, which reliably wards off mechanical impacts, splinters, dust, dirt, wind as well as weather influences
- Protects against additional impacts, pressure, finger contact or accidental pressing
- Smooth surface with ventilation holes for air circulation
- With anti-fog and scratch protection for a clear view
- Modular and compatible – suitable for helmets, masks and tactical accessories
- For use with eye bandages or medical protective material
- Latex- and DEHP-free



Material	Colour	Dimensions (W x L)	Weight	Order number
Polycarbonate (PC)	Orange, semi-transparent	approx. 7.5 x 6 cm	approx. 0.008 kg	HES01-0

AEROUSE – Emergency Blanket OS1

High-quality aluminium-coated emergency blanket that protects injured persons during first aid against cold and hypothermia, as well as against heat and solar radiation. It effectively stores heat and minimizes heat loss. Ideal as a component of an emergency backpack or for any IFAK, suitable for single use.

- Extremely thin with a material thickness of approx. 12 µm
- Tear-resistant and robust for field use
- Particularly lightweight and compact design
- Prevents heat loss, protects against hypothermia and effectively reflects body heat
- Suitable for any mission or survival kit
- Versatile in use – as heat protection, emergency underlay or improvised tarp
- Also available as a version in gold / silver



Example product presentation

Materials	Colour	Dimensions (W x L)	Weight	Order number
Polyester film, aluminium-coated	Olive Green / Silver	approx. 160 x 210 cm	approx. 0.06 kg	HD11-OS1-160x210

AEROuse – Instant Heat Compress

Instant heat compress for effective local heat therapy and temporary relief of minor muscle and joint pain as well as muscle stiffness caused by overexertion, strains, sprains or muscular tension. The targeted application of heat promotes blood circulation, relaxes soft tissues and supports the reduction of blood congestion. For single use.

- Long-lasting, uniform heat release (max. temperature output up to 55 °C, after 30 minutes \geq 45 °C)
- Localized and targeted acute care
- Based on sodium acetate / water
- Can be used in the field for e.g. tension or cold injuries
- Quick application – ready for immediate use, without an external heat source
- For, among others, perceptive adults for safe application
- Particularly long shelf life (3 years)

QTY: 24



Other sizes available upon request

Materials	Colour	Dimensions (W x L)	Weight	Order number
Polyethylene (PE – pouch), sodium acetate, water (inner material)	Orange / White	approx. 15 x 23 cm	approx. 0.2 kg	HWK01-NA-15x23

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