

**MSA**

The Safety Company

alphaBelt

**REVOLUTIONARY SAFE GEAR
TO RESTRAIN AND RESCUE YOURSELF**

Previous fall protection solutions, like firefighter holding belts, rescue loops (class A), or an SCBA on top of a fall protection harness, bear significant risks or are not approved for self-rescue purposes. The safest way, recommended by relevant directives, is to use fully integrated and approved solutions.

Our revolutionary alphaBelt is a sleek and durable multifunction holding belt for the everyday work of first responders. Furthermore, it can be easily integrated into an SCBA. Besides restraining, it may offer you the last resort – a quickly accessible and safe rescue seat for self-rappelling.

WHEN YOU GO IN, WE GO IN WITH YOU.

alphaBELT Holding & Rescue Belt

The components of the alphaBELT system are tested and certified for all relevant applications:

- Firefighting (EN 137 and ATEX)
- Holding belt system (EN 358)
- Usage as rescue loops, class A/B/C (EN 1498)
- Anchor point, class B (EN 795)

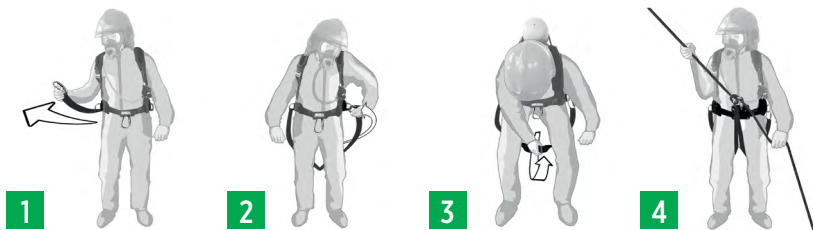
Applications



Emergency Rescue

Even with the best planning, an operation could get unpredictable. In the worst case, an emergency rescue from an elevated position could be the only solution for saving your own life or the lives of others. The alphaBELT Pro with lanyard and carabiner allows the rapid formation of a rescue seat.

- Safe, convenient and fully approved opportunity for self-rappelling with an SCBA
- Good body stability while descending
- Ergonomic rescue seat facilitates upright position and, in contrast to class A rescue loop, secures user against slipping through while lifting arms



Restraining & Positioning

Working at an elevated position, like on a ladder, roof or hillside, is a common scenario that requires easily accessible safety measures to prevent a fall. While restrained, the freedom of working radius is essential. For this application, the alphaBELT lanyard is the ideal solution.

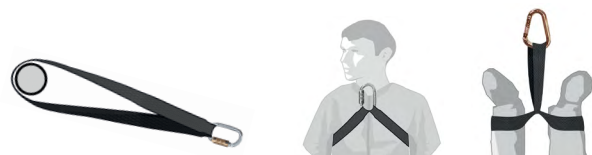
- Length adjustment for restraining between 170 and 45 cm
- Reliable and safe positioning with the lanyard between two D-rings and anchor object



Securing, Lifting & Lowering

Besides speed, the intuitive and versatile, but at the same time simple usability is essential for first responders. We attached great importance to meeting these requirements for all features of the alphaBELT system.

- Lanyard can be detached from belt to be used separately as anchor point or rescue loop
- In smoky environments the lanyard can be a reliable contact to your colleague, e.g. to allow a wider search radius
- Front loop serves as connection point for carabiner on RIT bag
- Additional approved equipment can be stowed on belt



Features & Benefits

Stable Attachment Points (Two D-Rings)

- High-contrast for quick access in low light
- Lie flat on the belt to prevent interference with arm movement range

Elastic Retaining Strap

- Secures and fixes loose overhanging strap ends

Protective Front Pocket (alphaBELT Pro)

- Protects rescue seat loop eye and label from damage
- Heat sensor to support checking operational fitness
- Reflective logo for better visibility

Protected Product Labels

- Protected against abrasion by additional strap

High-Contrast Threads & Stitching Pattern

- Facilitates regular inspection of the load-bearing stitching, reducing error potential
- Red stitching clearly indicates the assignment of the two loop eyes for the rescue seat

alphaBELT Lanyard

- For restraining and positioning with a free working radius (length adjustment between 170–45cm)
- Easily demountable; can be used on right or left side or separately as anchor point or class A or C rescue loop
- Tri-Lock carabiner type increases safety level and reduces danger of improper loading
- High contrast of carabiner allows quick access in low light

3-Point Safety Buckle

- Prevents accidental opening (parachute technology)
- High-contrast for quick access in low light

Length Adjustment Buckles

- Comfortable adjustment, simply pull strap forward
- Auxiliary flaps facilitate access
- Protects load bearing parts of belt strap from accidentally slipping apart

Hip-Belt Padding

- Proven and ergonomically broad support at backbone area
- Holding straps also stabilize SCBA with swivelling backplate

Belt Webbing

- **M1 SCBA harness material (easy to clean & disinfect in washing machines)**
- **Waist size 90-130cm**
- Permanently resistant to heat
- Flame-resistant and self-extinguishing
- Long-lasting tensile strength (hardly prone to UV)
- Fine-pored weave mesh supports cleaning and dirt resistance

PRODUCT
UPDATES

Securing Pouch for Lanyard

- Prevents the risk of getting caught with lanyard and protects it from damage
- Elastic fabric keeps lanyards stowed flat and stable
- Lanyard can be pulled out quickly and is immediately ready for use (accessible from right and left)

Connection Buckles for Integration of SCBA

- Quick release buckles on alphaBELT Pro allow SCBA to be jettisoned during use
- Ensure an easy disassembly for maintenance
- Can be stowed close to the belt if used without SCBA



Product Versions

alphaBELT Pro – Holding & Rescue

The comfortable alphaBELT Pro is the optimal configuration. Compared to the alphaBELT Basic it includes:

- Versatile alphaBELT Lanyard
- Safe rescue seat function
- Quick connect buckles for SCBA (separating function)
- Elastic fixation for overhanging strap ends

To construct the rescue seat (EN 1498, class B), an additional rappelling carabiner (according to EN 362) is required in the front loop of the belt. For this purpose, we recommend our steel Tri-Lock carabiner, tested and approved for use with an SCBA. It is an optional accessory and not included.

alphaBELT Basic – Holding

For less risky work environments, we have developed the alphaBELT Basic. It comes with almost identical certification but without the rescue seat function for self-rappelling and a slightly reduced set of comfort features. The alphaBELT Lanyard is optional and not included.

Accessories

1 Small Connector Loop for SCBA Harnesses

- Removable, and therefore also suitable for closed equipment loops
- Stable mounting with four push buttons

2 Spare Parts, 2x Adapter Quick Release Buckles to SCBA

3 Tri-Lock Carabiner (HMS)

- Certified for use with SCBA, made of EN 137 conform steel



Certificates

All alphaBELT components are approved according to EN 137 for use with MSA SCBA and have undergone the flame engulfment test (AirMaXX and AirGo Series, report on BD Series). All metal components are made of standard-compliant materials (e.g. no aluminum). The alphaBELT system is tested beyond levels required by European Fall Protection and SCBA standards.

alpha BELT Pro and Basic

- EN 358 – Holding belts
- EN 1498 – Class B rescue seat (alphaBELT Pro with lanyard)

alphaBELT Lanyard

- EN 358 – Lanyards for holding belts
- EN 795 – Class B anchor point (for 1 person)
- EN 1498 – Class A and C rescue loop

alphaBELT Pro, Basic and Lanyard

- Usable up to a maximum load of 140 kg

Ordering Information

Part Number	Description
10151246	alphaBELT Pro, holding & rescue, incl. lanyard
10151241	alphaBELT Basic, holding belt, w/o lanyard
10151242	alphaBELT Lanyard
10151249	Small connector loop for SCBA harnesses
10151248-SP	Adapter quick release buckles to SCBA, 2x
10157585	Tri-Lock steel carabiner

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.