

Product Information

CARE AND EVACUATION MANIKIN COMBAT CARL

Item no.: T3C

M A R C H

- M** **Treatment of Massive bleeding**
Three supplied deep wounds can be applied at 7 points and connected to bleeding modules. Wound packing is possible for all wounds, as is the application of tourniquets.
- A** **Airway**
Airway management with oro- and nasopharyngeal as well as supraglottic devices.
- R** **Respiration**
Chest relief in the Monaldi and Bülau position.
- C** **Circulation**
Haemostasis and access to the vascular system: i.v. in the forearm, i.o. sternal, humeral head and proximal tibia with reusable pads.
- H** **Hypothermia / Head Injuries**
Interchangeable eyes with normal, dilated and constricted pupils.



Airway management
nasopharyngeal



Airway management
supraglottic oropharyngeal



Patient
voice



Exchangeable
eyes



Chest wound in the
thoracic region (optional)



Thoracic decompression
puncture in Monaldi position



Sternal intraosseous
approach



Wound
Packing



i.v.
cannulation



Chest drainage
in Bülau position



IO access
Humerus



IO access
Tibia



TQ
application



Amputation stumps
(optional)



Bandaging
techniques



Carrying
techniques

Features:

- + Weight from approx. 65kg to 85kg
- + Realistic size 175cm
- + Robust PVC material
- + Ideal for outdoor use under extreme conditions (sand, rain, mud etc.)
- + Wound inserts incl. universal bleeding module exchangeable in 7 locations
- + Flexible limbs for different carrying techniques
- + No fragile electronics
- + Made in Germany
- + cABCDE scheme – Compliant
- + XABCDE scheme – Compliant
- + MARCH scheme – Compliant
- + Voice module via Bluetooth (waterproof up to 1 meter according to IPX7)
- + Interchangeable eyes, 3 pairs, (normal, dilated, constricted)
- + Airway management, (oropharyngeal and nasopharyngeal)
- + Wound management 7 sites for wound modules
- + Stab wound, gunshot wound, bullet wound, blind cover included
- + Wounds have a bleeding function for manual or automatic bleeding modules remote control (optional)
- + Application of tourniquet
- + Dressing techniques
- + Intraosseous access tibia
- + Intraosseous access humerus
- + Intraosseous access sternum
- + Thoracic release according to Monaldi
- + Thoracic release according to Bülau
- + Intravenous injection

Functions:

- ▶ Exchangeable eyes with normal, constricted or dilated pupil
- ▶ Voice output via loudspeaker in the head by means of sound files or via microphone function
- ▶ Airway management oro - and nasopharyngeal
- ▶ Openings for wounds, IM puncture pads and blind covers
- ▶ Robust and insensitive to water, dirt and other adverse environmental conditions
- ▶ Thorax relief Monaldi
- ▶ Thorax relief Bülau
- ▶ IV access possibility
- ▶ I.O Access FAST
- ▶ I.O Access

- light skin color
Item No. T3C
- dark skin color
Item No. T3CX

Care and Evacuation Manikin
Combat Carl

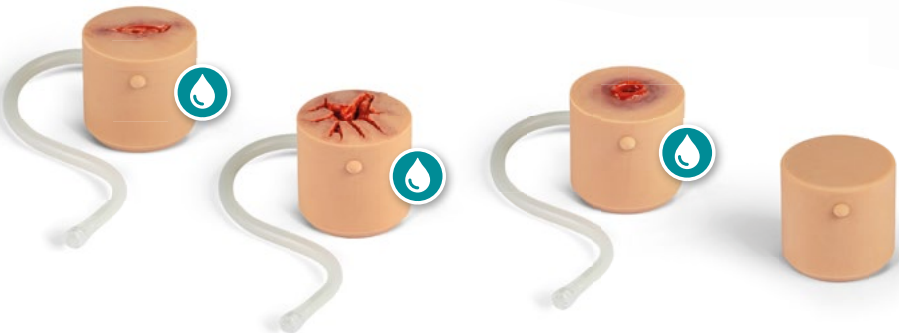
Combat Carl was developed in close cooperation with the German Armed Forces and special units and offers all the important functions for **TCCC and TECC training**. Due to its **robust nature** and **flexibility in the extremities**, Combat Carl is ideal for **professional training** in the **civilian** and **military** sector.

Providing **medical care on the battlefield** presents different challenges compared to an accident at home. From the initial treatment during a firefight to transportation to a treatment facility, soldiers risk their lives. Combat Carl can be used to map the entire **MARCH protocol**.

Although the military-tactical procedure may vary depending on the different threats in the combat situation, the basic philosophy of casualty care always remains the same. **Combat Carl** can optionally be equipped with an **arm amputation stump**, **leg amputation stump** or **realistic wound mouldages**.

Scope of delivery

The standard Combat Carl configuration includes the following wound inserts. Additional accessories and replacement parts are available on the following pages.



Insert with
stab wound
Item No. T3C3N

Wound insert
shot exit
Item No. T3C4N

Wound insert
shot entry
Item No. T3C5N

Wound insert
blind plug
Item No. T3C6N

Bleeding function included

Realistic Amputation Injuries for Tactical Training Scenarios

The Combat Carl amputation stumps enable realistic training scenarios involving severe traumatic amputations. Designed to represent blast-related amputations of the arms and legs, the stumps feature anatomically detailed representations of damaged skin, bone, tendons, muscle and fatty tissue. The soft, skin-like material and highly detailed design provide a particularly realistic representation of severe injury patterns. An integrated bleeding port allows the stumps to be connected to a suitable blood source for the simulation of active bleeding.

The amputation stumps are designed as accessories for the Combat Carl and can be quickly and easily attached using the existing mounting system. This allows the simulator to be adapted flexibly to a wide range of tactical training and emergency response scenarios.



Amputation stump arm left
Item No. T3CAAL



Amputation stump arm right
Item No. T3CAAR



Amputation stump leg left
Item No. T3CALL



Amputation stump leg right
Item No. T3CALR



Woundmoulages

For professional training and realistic application, our detailed Woundmoulages provide an exceptionally authentic training experience. High-quality, skin-like materials such as silicone, combined with an integrated bleeding function, ensure a highly realistic appearance and application. Carefully handcrafted in Germany, the models are ready to use straight away and easy to clean.



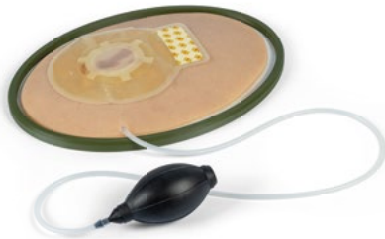
Coniotomy Trainer "Crico Curt"
Item No. 7670



Artificial Blood, 2000 ml
Item No. NW599



Basic bleeding system
Item No. T3C7



Chest Seal Trainer "Chucky Chest" with Pump Function
Item No. NW140



Wound Moulage Sleeve: Thigh Laceration with Bleeding Feature
Item No. NW141



Wound Moulage Sleeve for Open Arm/ Lower Leg Fracture, with Bleeding Feature
Item No. NW142



Wound Moulage Sleeve for Second-Degree Burns, Upper Arm
Item No. NW143



Wound Simulation Sleeve: Arm Gun-shot Wound with Bleeding Function
Item No. NW144



Wound Moulage Groin Injury with Bleeding Feature
Item No. NW145



Velcro fastening system for groin injuries
Item No. NW146



Wound moulage axillary injury with bleeding function
Item No. NW147



Velcro Fastening System for Underarm Injuries
Item No. NW148

Replacement parts and accessories



Replacement face with airways
Item No. T3C1



Eye set for Combat Carl
Item No. T3C8



Insert „Thorax decompression“, 10 pcs.
Item No. T3CAN



Insert „Thorax drainage“, 10 pcs.
Item No. T3CB



Insert „FAST1“, 10 pcs.
Item No. T3CC



Insert „EZ-10“, 10 pcs.
Item No. T3CDN



Insert „IV“, 10 pcs.
Item No. T3CE



Male Genitals
Item No. T3C10



Male Genitals with injuries
Item No. T3C11



Bluetooth Speaker for Head
Item No. T3C2



Clothing with Velcro fasteners
(Does not need to be cut during the exercise and is therefore reusable.)
Item No. T3C12



Transport Case
Item No. PP100C



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