

LOCK

TOURNIQUET

One **lock.**
One **life.**

biosys





One lock.
One life.

LOCK® (Limb Occlusion Control Kit) is a next-generation bleeding control solution developed to provide the fastest, safest, and most effective intervention in life-threatening critical hemorrhages.

Tactical Tourniquet has been designed by experts who have trained thousands of combat personnel in the field of tactical medicine, based on real-world field experience and operational scenarios. During the development process, the needs of military operations, disaster and crisis management, pre-hospital emergency medical services, and specialized response teams were taken as a foundation.

The naming of the product embodies its engineering philosophy, with a design optimized for professional environments that demand reliability, speed, and user-centered ergonomics.

Why **LOCK**?



Easy & Rapid Application

Thanks to its ergonomic design, the device can be applied quickly and accurately even under high-stress conditions, both by professional users and by personnel with limited training.



Low Force Requirement

Compared to traditional tourniquet systems, it achieves maximum tightness and effective occlusion with significantly less physical effort.



One-Handed Operation

Designed to be safely used by a single operator with one hand, even under high-risk conditions.



Automatic Locking Mechanism

During application, the system mechanically locks with each rotation and upon completion, preventing pressure loss during movement or evacuation.



Uniform Pressure Distribution

Provides balanced and controlled compression around the limb to achieve effective hemostasis while minimizing the risk of localized tissue damage.

with **180°**

Rod reaches full pressure within seconds with just a few **180-degree rotations**, and automatically locks itself at each turn.



Where is **LOCK** used?



Military Units
and Law Enforcement



Tactical Medical
Teams



Emergency Medical Services
and Ambulance Systems



Disaster and Search
& Rescue Teams



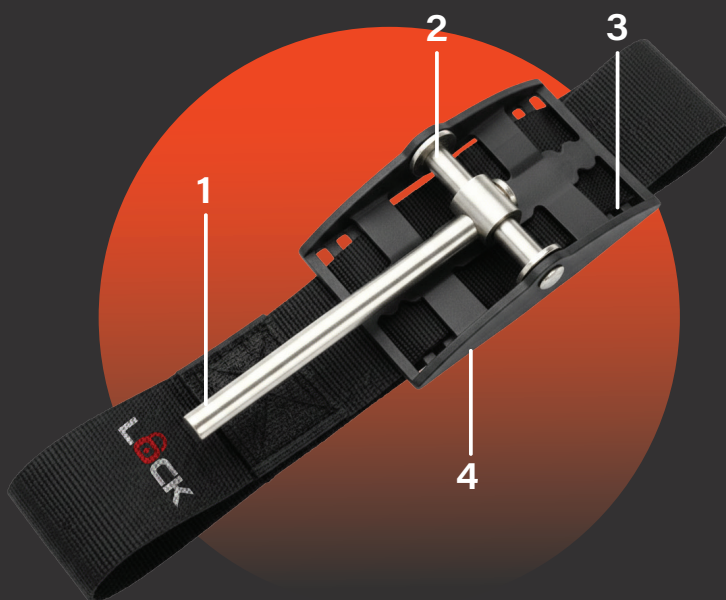
Hospital Emergency
Departments



Training & Simulation
Applications



Civil First Aid
Responders



- 1** Ultra-light, ultra-strong, and resistant to extreme environmental conditions, the windlass lever require significantly less force compared to competitors when used with one hand.
- 2** The engineering structure of the integrated winding cylinder on the windlass lever reduces the force required for tightening.
- 3** The double strap, attached along the length of the body strap, ensures even pressure application.
- 4** Next-generation body design that securely integrates the entire mechanism

The tension generated by turning the windlass lever is transmitted to a pressure-sensitive locking system designed within the internal structure of the securing mechanism. The resulting pressure force automatically locks the system. This design allows for rapid and secure hemostasis without the need for an additional locking or securing step during tourniquet application.

User-Based **Configuration**

LOCK® Tactical Tourniquet is offered in series configured according to different operational needs:

Combat Series (Black) Military units and law enforcement

Emergency Series (Orange) Emergency medical services, firefighting, search and rescue

Training Series (Blue) Training and simulation

Each series is clearly defined by model codes and color differentiation, reducing confusion and the risk of mistakes in the field.



LIMB OCCLUSION CONTROL KIT

LOCK® was developed and manufactured in Turkey.

The product design and mechanical system are protected under Turkish Patent Law.

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