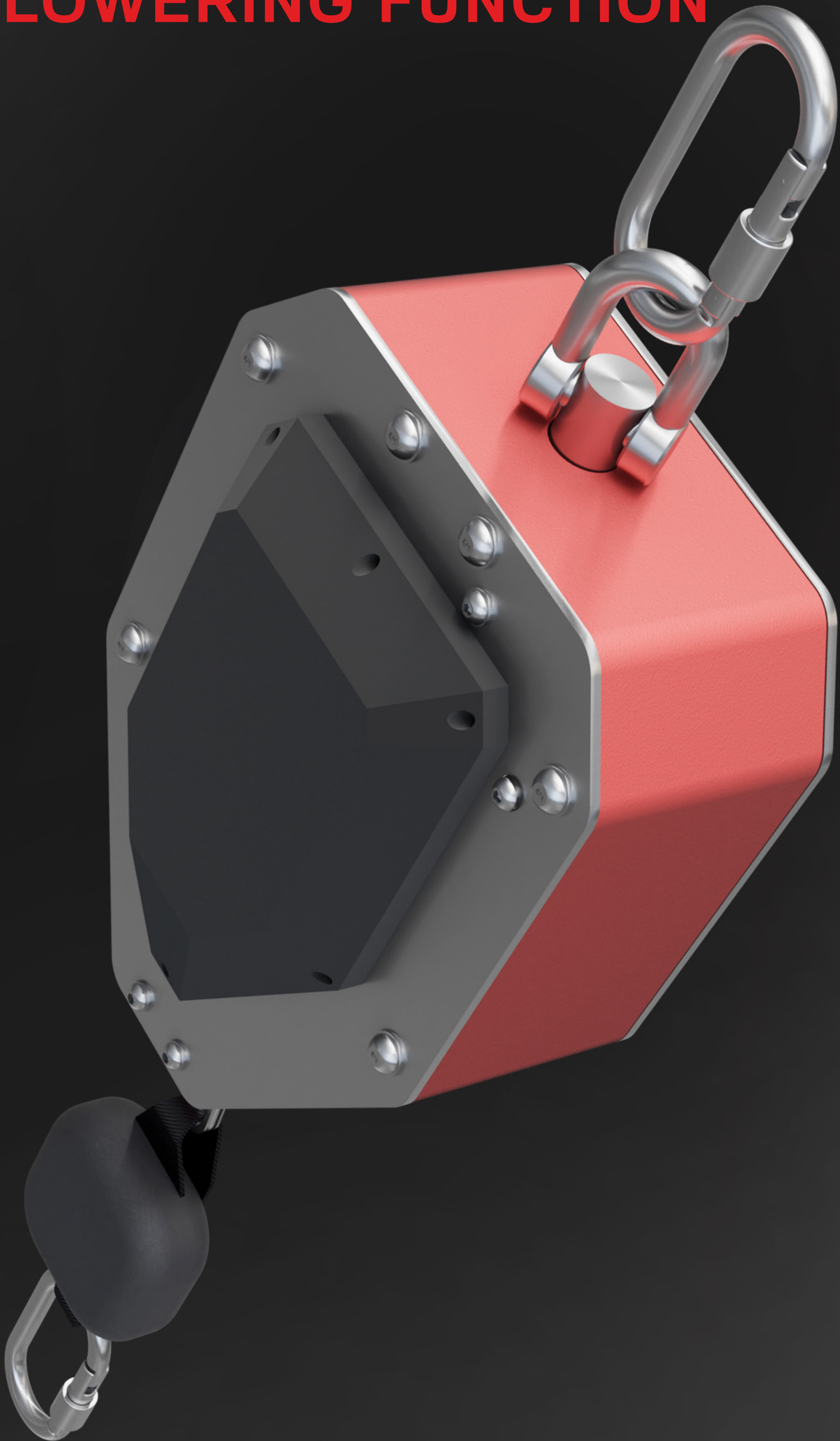
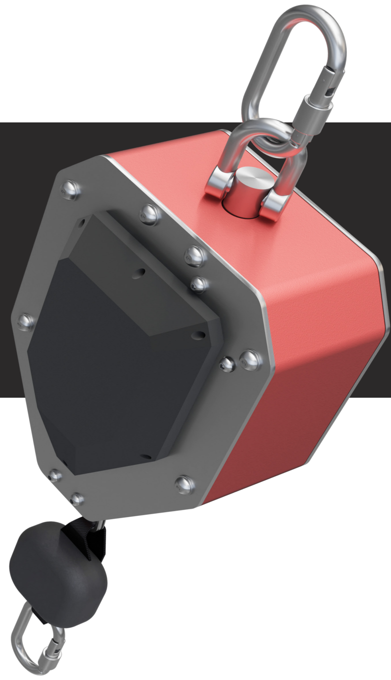
# SELF-RETRACTING LANYARD WITH LOWERING FUNCTION



# SELF-RETRACTING LANYARD WITH LOWERING FUNCTION

USH 10



## KEY FEATURES

The USH device from CBR Rock Master is a self-retracting lanyard which conforms to the standard EN 360:2002.

The moving parts of the self-retracting mechanism of the USH are placed inside a housing [4]. Outside the housing only two parts of the device are present.

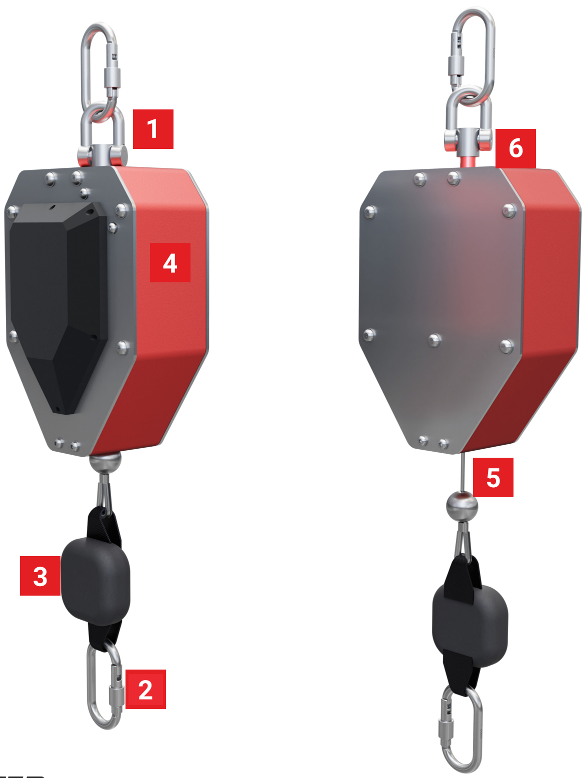
The first one is an upper attachment point for fixing the device at the worksite [1] (for this, only anchors of types A or B according to the standard PN-EN 795: 2012 must be used, which have been mounted to the structure using a connector according to EN362). The other part is a steel cable running downwards. At its end, an energy absorber [3] and a connector [2] are located. The connector is for attaching the cable [5] to the operator's harness.

During operation, the connector of the USH [2] remains attached to the harness of the operator moving around at the worksite. Moving away from the device, the operator pulls the cable further out and moving closer to it the cable self-retracts. The maximum acceptable deviation is 40°.

In case of a fall the device locks the extended cable in place and arrests the fall as well as supports the casualty in place until rescue is possible.
The USH self-retracting lifeline is equipped with a fall indicator [6].

## PARTS OF THE USH10

1. Upper attachment point – to fix the device at the worksite
2. Lower attachment point – to attach the device to the operator's harness
3. Lanyard with fall absorber
4. Housing
5. Steel cable
6. Fall indicator



## TECHNICAL FEATURES

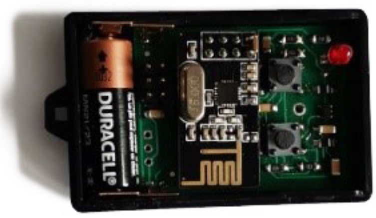
| | | | | | |
|---|---|---|---|---|---|
| **STANDARD:** | EN 360:2002 | **LENGTH:** | 10 m | **WEIGHT:** | 9,35 kg |
| **SAFE WORKING LOAD:** | max. 140 kg | **MAX. NO. OF USERS:** | 1 person | **DIRECTION OF USE:** | vertical |

# THE MONITORING AND AUTOMATED RELEASE SYSTEM

The USH SRL is additionally equipped with a lowering brake, activated via radio signals from a supervisor's remote. The monitoring can be carried out through any device connected to the local network or to the internet. The USH has a movement sensor allowing for the constant monitoring of the device's current status: ready to work, in use, fall arrest alert. Should a fall occur, the base transceiver will emit a sound. The base transceiver is activated as soon as it is connected to a power source and remains constantly active, monitoring all the data traffic from SRLs and the remotes. The WiFi server will, according to settings, set up its own hotspot network or log into an existing one.

In the case of an emergency, the supervisor will initiate a lowering procedure by activating the automated release system via the remote or will undertake other steps, according to situation. All the monitoring system is based on transceivers located in the industrial halls. Where steel structures are placed densely, an additional repeater should be used at 80 m (straight line) from a transceiver. For open spaces a repeater is only required every 400 m.

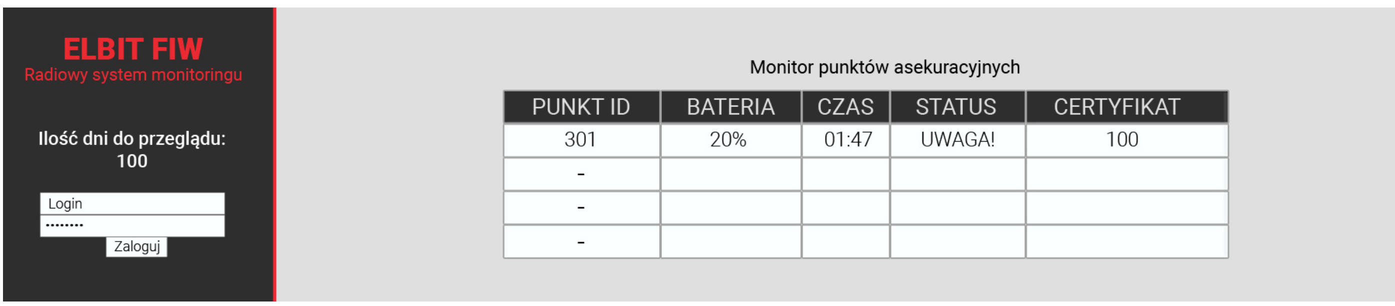
The radio signal is not disrupted by metal parts of the device itself.




The system comes with the MONITOR program, which allows you to check the status of the belay points via a USB connection.

The software can be run under any Windows operating system and does not have any additional requirements for proper operation.

This is an additional channel, apart from the WiFi network, for alerting staff about an accident.

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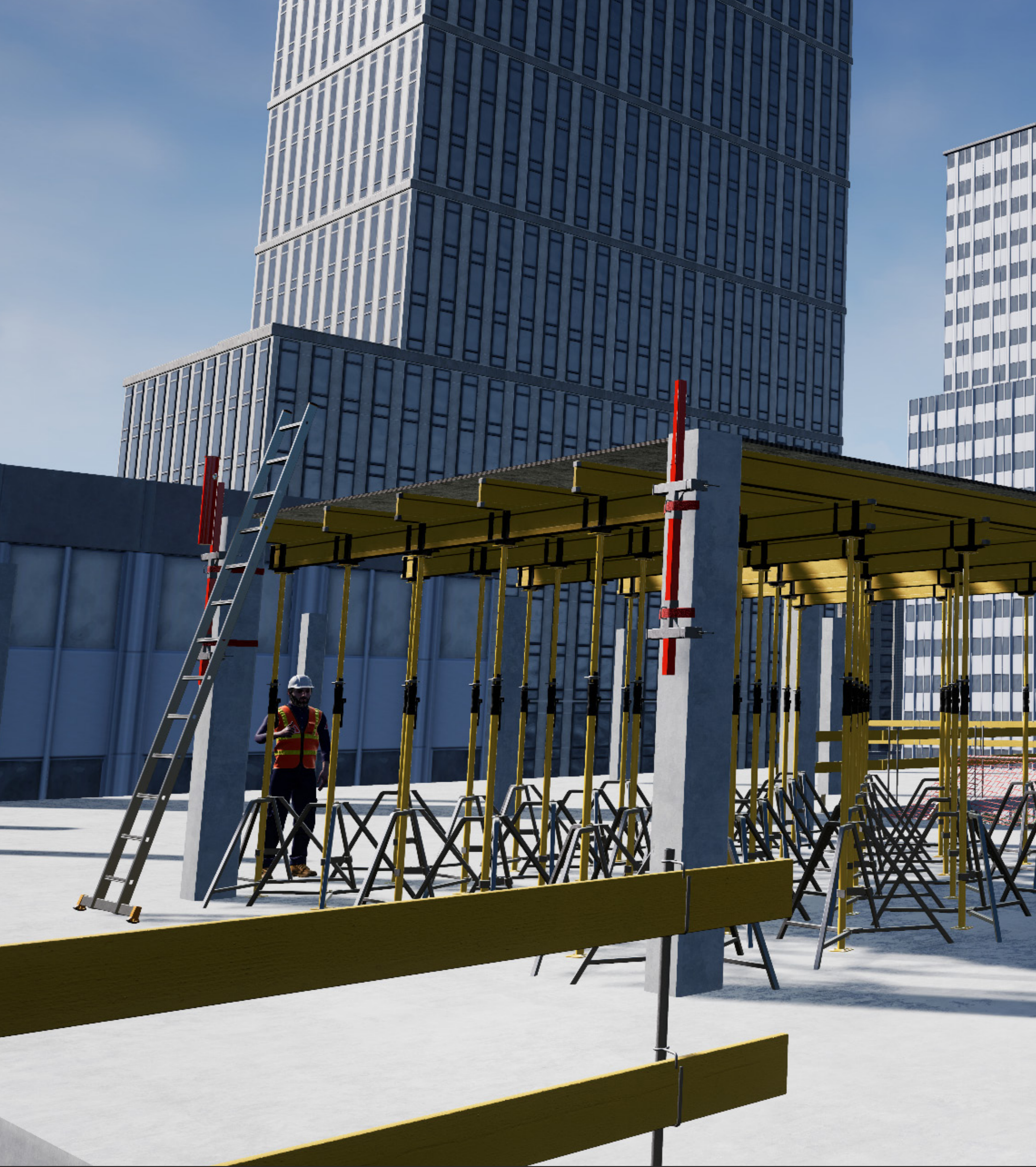


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