

# THE FIRST-LINE DEMINING KIT\*

\*Personal kit of detection, marking and demining of the first-line



2024

# Features and DESCRIPTION

## OF THE FIRST-LINE DEMINING KIT

Each kit includes the following equipment:

1. Small non-magnetic sapper probe – 1 pc.
2. Device for removing (activating) tension and break sensors of the target by trawling method – 1 pc.
3. Paracord - 30 m.
4. Pin set for demining:
  - a. Pin 80 mm – 10 pcs.
  - b. Pin 40 mm – 20 pcs.
5. Marker pegs - red - 10 pcs
6. Marker pegs - white - 20 pcs.
7. Additional white safety direction indicator – 30 pcs.
8. Red additional dangerous direction indicator – 30 pcs.
9. Mini chemical light source for night marking – green – 10 pcs.
10. Mini chemical light source for night marking – red – 10 pcs.
11. Steel wire - 1 m.
12. Special bag for storing and carrying the kit - 1 pc.



### CATEGORY: URIDT

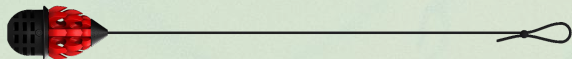
**This kit is intended for** servicemen and employees of the State Emergency Service, who perform tasks of demining and organizing passages through mine barriers.



## THE DEVICE FOR REMOVING (ACTIVATING) TENSION AND BREAKING SENSORS OF THE TARGET BY THE TRAWLING METHOD

- **is a prefabricated product** made of structural plastic with improved mechanical properties that allow to minimize the number of snags and efforts.
- **Calibrated grooves** allow an operator to confidently clutch all materials from which tension sensors of the target are made: caproncord, fishing line, fishing braided line, and steel wire as those included in the sapper kits of the former USSR period.

There is also a confident clutch of the breakaway electrical sensors of the target: МПЕ-72, МПЕ-92, and control command lines laid by a МГТФ.



- Also, **the weight and size parameters** allow you to shoot the product from a mortar launcher ("shooting cup") with an ejector cartridge from almost any small arms or line launcher.

- **The shooting is up to 120 meters.**

This allows an operator to remain in cover while making passages in an open area. The version designed for the State Emergency Service is distinguished by the presence of grooves in the product and pins welded into the mortar, which makes it impossible to throw hand grenades and exclude the mortar + line gun kit from the category of weapons. The product has an attached cord — **a shock leader of special strength** resistant to abrasion and tearing.

- For **military units** performing special tasks, the device is supplied in black. For **the State Emergency Service and demining organizations**, the device has red inserts that facilitate the search in the area.



## SMALL SAPPER PROBE



**CONSISTS OF** a handle with a collet, a clamping nut, and the working part of a non-magnetic probe prodder.

As part of the probe, it is possible to use probe prodgers made of different materials, depending on the conditions and specifics of the work being performed.

**THE ERGONOMICS OF THE SMALL PROBE** allows working at the lower level (on your knees and lying down), both with one hand and with two, which is conditioned upon the characteristics of the soil properties of the Central European zone, as well as the climate.

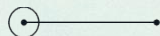
**THE CLAMPING COLLET** ensures uniform holding of the probe prodder along its entire length, which allows you to shorten the working part during the search and calibrate the search depth.

**THE TIP OF THE WORKING PART** of the probe prodder is treated with a compound to exclude current conduction and to protect against “sapper traps” and a number of switches of various film and membrane designs. This coating is prone to wear and needs periodic renewal. Control of coating wear is carried out visually and with the help of a multimeter.

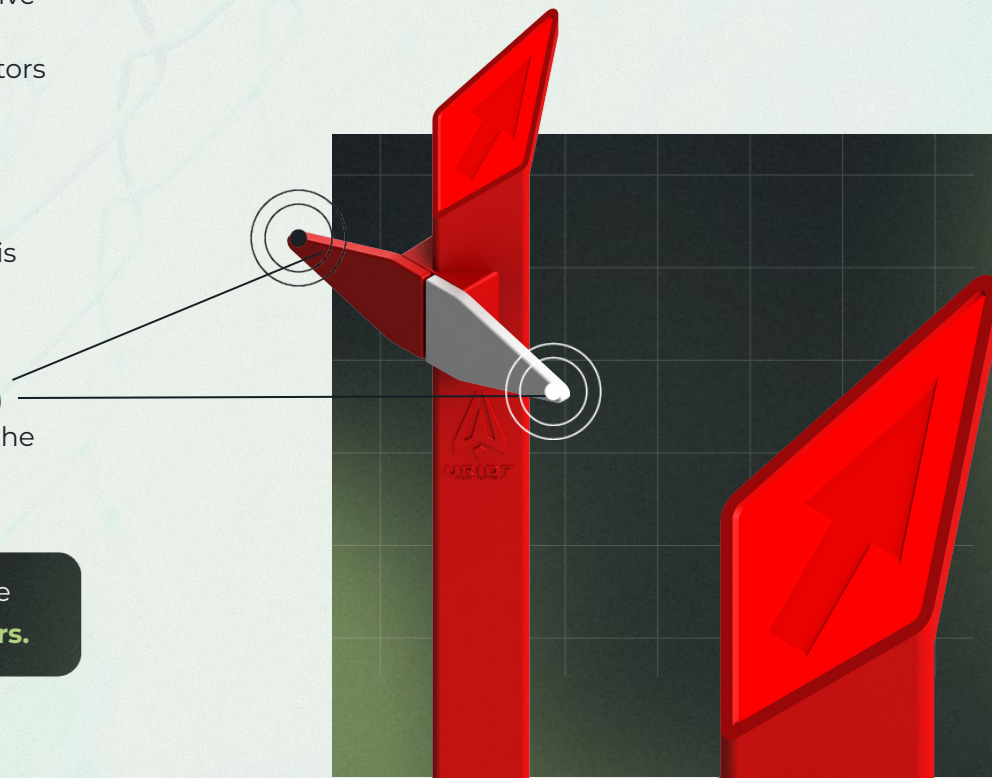


## THE RED MARKER PEGS

are **200 mm long profile corners** with an arrow in the upper part — a direction indicator to the detected explosive device. The direction indicator also contains fluorescent paint, which allows you to clearly see the direction indicators on the terrain for several hours after dark.



According to the rules, the marker pointer is placed at a distance of 30 cm from the detected explosive device. This innovation makes it possible to completely exclude the undermining of the detected explosive device of another employee who did not place a marker. Additional directional flags (**red and white, respectively**) allow you to indicate the directions to the safe zone and the unexplored zone.



When illuminated with a flashlight, the stakes are clearly visible from a distance of at **least 10 meters**.



## THE WHITE MARKER PEGS

are a 200 mm long corner profile in the upper part, with **a pointer arrow** indicating the direction of a safe passage. The direction indicator also contains **fluorescent paint**, which allows you to clearly see the direction indicators on the terrain for several hours after dark.



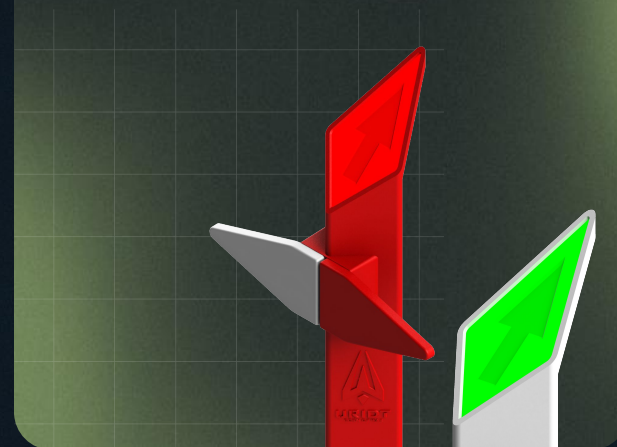
When illuminated with a flashlight, the stakes are clearly visible from a distance of **at least 10 meters**. According to the rules, the pointer marker is placed along the center line. Additional direction indicator flags (red and white, respectively) allow you to indicate directions to a safe area and an area that is unexplored or contains explosive devices.

- fluorescent paint
- pointer arrow



### THE COMBINATION OF RED AND WHITE MARKERS

with additional indicator flags allows you to fully and unmistakably inform employees and military personnel about the presence of the explosive devices in the selected area at an understandable level.



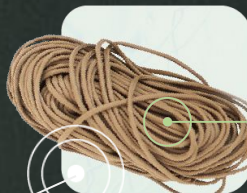
## MINI CHEMICAL LIGHT SOURCES FOR NIGHT MARKING

**of red and green colors** serve for additional information and marking in the dark time of the day in cases that require constant information about places containing explosive devices, for example, during the covert movement of units or night evacuation of non-combatants.

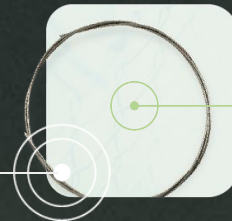


## PARACORD & STEEL WIRE

is used by a specialist for the on-site production of blocking pins of the required length or for the production of the necessary additional devices and elements during demining and marking of the detected explosive devices.



30 m.



1 m.

## CONTACTS



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