

DISRUPTERS 12,7

Art.No. 0201100

Operating instruction

The water disrupter (hereinafter referred to as WD and CD) is used for safe and efficient disruption of fuses on bombs and grenades, diversion devices, suspicious objects of unknown content with no detonation as well as for all types of locks on steel and wooden doors. The high pressure water jet, steel bolts or clay particles fired from the barrel by the explosion of electrically ignited 12.7 cartridge are used as a destruction device.



Picture 1

WD in transport case. WD barrels' base is transported separately (in a linen transport bag).



WD 12.7



CD 12.7

Kit consists of the following parts (Picture 2):

1. Barrel with cartridge carrier – WD 12.7
2. Barrel with cartridge carrier – CD 12.7 (equipped with a gas break)
3. WD 12.7 gas break
4. Aluminum winding device with 100 m cable for electric ignition
5. Set of bolts (3 pcs)
6. Plastic plugs for water (20 pcs)
7. Aluminum base
8. Extractor and cleaning kit
9. Plastic bottle (0.5 l) for water
10. Vaseline for lubrication
11. Transport case or linen bag



Picture 2

Base Technical Data:

Dimensions of the base	:	length	800 mm
		width	210 mm
		height	140 mm
Operational dimensions of the base:		length	800 mm
		width	1.000 mm
		height	till 800 mm
Weight of the base:			9 kg

DESCRIPTION

WD 12.7 and CD 12.7 consist of the universal collapsible base used as the barrel carrier. The base consists of two adjustable floor limbs and two height adjustable limbs. The adjustable joints enable the disrupter to be precisely adjusted and directed to the targeted object. The base limbs are made of aluminum alloy and the other parts are made of stainless steel. All base parts are protected against corrosion and dulled against the light reflection.

Barrels of WD 12.7 and CD 12.7 are made of the high quality steel and protected against corrosion. The bottom part of the barrel is charged by 12.7 mm cartridge loaded by 17 g of black powder; wires for electrical ignition of the cartridge are put through the cap hole and the cap is screwed on the barrel. The plastic plug is inserted into the front part of WD 12.7 barrel, than 0.16 l of water is poured in it and then the barrel is closed with a plastic plug. For inserting the plastic plug a metal bar about 50 mm long is used, to which brushes can be fixed for purposes of cleaning. To the front part of CD 12.7 the lubricated cork is inserted and then the barrel is loaded by not more than 37.5 cm³ of clay (modeling clay). CD 12.7 can be loaded by a steel bolt instead of clay filling. The loaded (WD or CD) barrel is fixed to the base and after connecting two-wired cable the cartridge is ready for electrical ignition.

Steel bolts are used for disruption of mine-explosive devices, fuses on bombs and grenades etc.

Using WD (Item 1) stick to the following procedure:

1. Fix the WD 12.7 barrel to the base and fix it in the vertical position.
2. Unscrew the cartridge 12.7 nut from the bottom side of WD.
3. Push the first plug to the end of WD, so that plug is open to the front side of the barrel.
4. Put water into WD.
5. Close WD with another plug oriented by its bottom towards the carrier.
6. Check the waterproof condition.
7. Put the WD barrel into the horizontal position.
8. Install the gas break.
9. Put the cartridge to the carrier and fix it by the cap nut.
10. Connect the cable for ignition and insulate connections (with an insulating tape).
11. WD is ready for use.

Using CD (Item 2) stick to the following procedure:

1. Fix the CD 12.7 barrel to the base and fix it in the horizontal position.
2. Unscrew the of cartridge 12.7 nut from the bottom side of CD.
3. Put the cartridge on the carrier and fix it with the cap nut.
4. If necessary CD can be loaded with modeling clay or bolt from the front side.
5. Connect the cable for ignition and insulate connections (with an insulating tape).
6. CD is ready for use.

Notes:

- Perform each WD/CD ignition from a cover.
- Clean and lubricate WD/CD after each use.
- If possible use video link to monitor the WD/CD ignition so the state of the target can be checked.

Photos of use and efficiency

