

UTN-11 SHAPED CHARGE

The UTN-11 is a trinitrotoluene-hexogen charge having the shape of a symmetrical wedge with parallel faces. It is designed for the destruction of communication structures, road and railway bridges, and/or reinforced concrete structures.

DESCRIPTION

The high-explosive effect is obtained by means of a roof-shaped conical metallic hollow. The charge itself is covered by a steel jacket. Elements for transfer, handling, leveling or hanging (i.e. the hand-rails, stands) are welded on the jacket.

In its upper part, the UTN-11 is equipped with a booster charge having a central hole for the initiator (detonator/detonating cord). Both ends of the booster charge are equipped with a threaded insertion for fixing a detonator

USE OF UTN-11

UTN-11 can be used independently, or as a linear shaped charge of any length depending on the number of the assembled charges. Before use, the charge itself is put on tiltable stands which at the same time serve as a distancing element (to keep the optimum distance of the charge from the target area). By means of the suspension holder which is to be fixed on the concrete structure, the UTN-11 can be attached to the target object in any position. By means of the accessories, the UTN-11 can be used underwater to a depth of 20 m.

VERSIONS

Besides the live version of the UTN-11, a training version of the UTN-11 is available as well. It is designed for the training of operators.

In the case of the training version, the explosives are replaced by an inert substance of an equivalent weight.

PERFORMANCE

The UTN-11 has a shaped effect, characterized by a V-cut in a demolished material. UTN-11 is able to cut main steel reinforcements in the reinforced concrete bridge element even without removing the top layer of concrete and exposure of steel reinforcements
Cutting performance – steel reinforced concrete up to a thickness of 1m.

TACTICAL CHARACTERISTICS

NEQ: 10.5 ± 0.5 kg

Gross weight: 17.9 ± 0.5 kg

Dimensions with stands tilted: 337 × 200 × 298 mm

Dimensions with stands: 435 × 200 × 298 mm

