



## UAR-80TB UNGUIDED AIRCRAFT ROCKET



The UAR-80TB unguided aircraft rocket is intended for use against different types of targets located in pits, trenches, defiles, caves and other shelters, and against enemy personnel as well. The rocket's warhead is filled with a fuel-air detonating mixture. The rocket part's design is the same as that of the S-8KOM rocket.

The rocket is fitted with a FTM-1 fuze. The fuze is a base piezoelectric type.

Fire is delivered from B-8M1; B-8V20A; B-8V7 types launcher pods carried on aircraft and helicopters.

Aircraft: Su-24; Su-25; Su-27; Su-27K; MiG-27; MiG-29.

Helicopters: Mi-8; Mi-24; Mi-28; Ka-252; Ka-50.

### CHARACTERISTICS

Caliber, mm	80
Rocket length, mm	1670
Weight of rocket, kg	11,600
Weight of warhead, kg	3,800 (4,000)
Weight of mixture, kg	2,400
Release range, m	1300-4000 (1500-3500)
Combat effectiveness	6 – 7 kg TNT equivalent
Rocket velocity, m/s	590
Operational temperature range, °C	-60...+60
Time of powered flight, s	0,5-1,2
Aircraft speed range on rocket's operational use, m/s	166-330

### WARHEAD DESIGN

*Body* – basic component integrating all warhead components and accommodating an explosive charge.

The body represents a thin-wall tube made of aluminium alloy.

A fairing is screwed to the body to seal hermetically the warhead and create the streamlined form required to ensure a stable flight. To the warhead's rear is screwed the base piezoelectric fuze transmitting a detonation pulse to an intermediate booster.

*Explosive charge* – represents a polymer-bonded solid mixture serving for fuel-air detonation.

*Pressing sleeve* – made of aluminum alloy; serves together with a cardboard ring and cardboard pads to fix the intermediate booster in the body.

