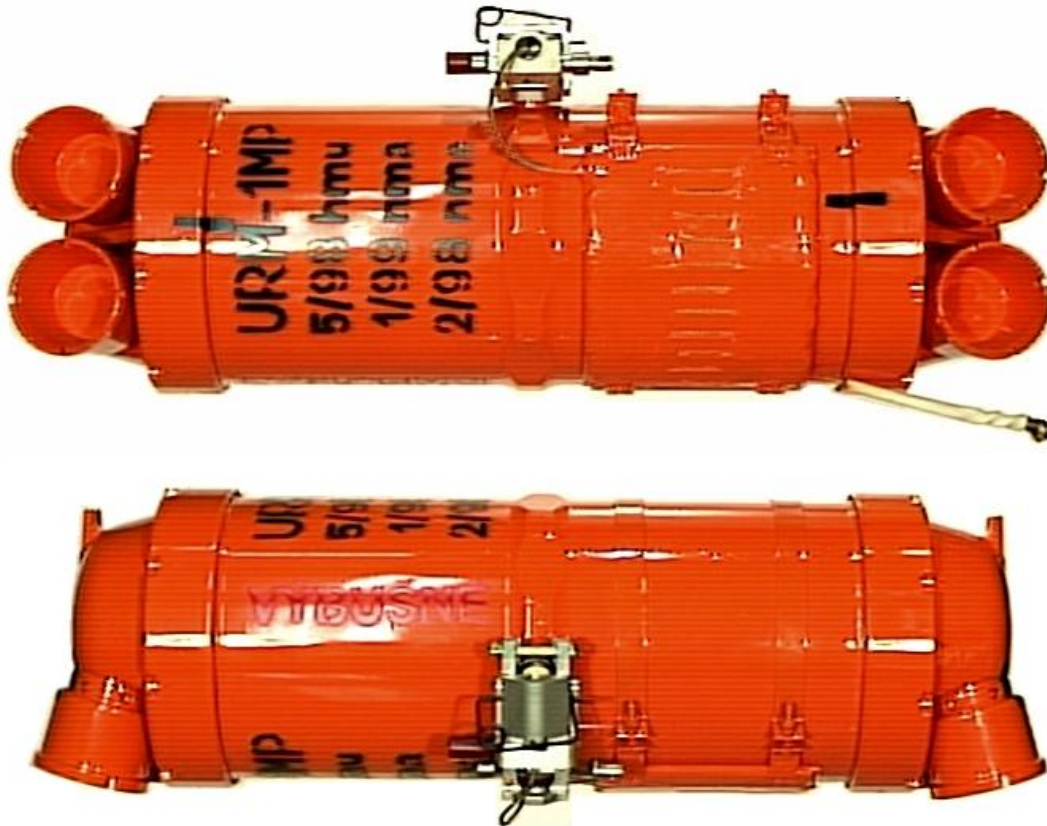


Rocket Motors URM-1 and URM- 1M



Description

The URM-1 rocket motor is designed to accelerate the VS 1 BRI ejection seat, the URM-1M motor is designed to accelerate the VS 2 ejection seat. These types of aircraft rescue seats are installed into all types of AERO L-39, L-59 and L-159 aircraft. Both motors are of similar construction and of the same technical parameters, they differ only in a few construction details. URM motors are designed to extend the distance from the aircraft reached by an ejection seat after catapulting.

The basic part of the URM-1(URM-1M) rocket motor consists of a horizontal combustion chamber of cylindrical shape fitted with traps and two nozzle bottoms each of them having two nozzles. The rocket motor nozzles are fitted with caps. In the middle part of the combustion chamber there are holes for screwing 2 pcs of ZR-17 fuses with initiation device. The propelling charge of the rocket motor consists of 38 tubes of double base smokeless powder ignited by the black powder filled in textile bag.

During transport and storage the motors are secured against accidental initiation by multiple safety device.

Description of operation

By firing the ZR-17 fuses the powder charge of the igniter is set on fire, and ignites the propellant charge of the URM rocket motor. When certain pressure is reached in the combustion chamber, the nozzle caps are opened and the rocket motor reaches its operation pressure.

Technical parameters:

URM ADR/RID classification	UN No. 0280 1.1 C Figure 3
Length - URM -1	410 mm
Length - URM -1M	402 mm
Total weight	max 10.1 kg
Propellant weight	ca 2.580 kg
Ignition	fusee ZR-17 - 2 pcs
Maximum working pressure at +60°C	max. 16.6 MPa
Safe function within temperature range	- 60°C + 60°C

Packaging:

2 pcs in wooden container (certified RID/ADR) furnished with UN code