

# 120 mm, TB

## Air drop shell with special fuze UT M18

120 mm TB shell with special fuze is intended to be used in bombing raids from UAVs. 120 mm TB shell is filled with insensitive thermobaric explosive PBX as per MIL-STD-2105B (Immunity to impact of the bullet, Fast cook-off resistance). Compared to the standard 120 mm HE shell, the 120 mm TB shell has an improved fragmentation and particularly blast effect. The initiating cartridge and powder charge are not used, and instead of metal the shell is designed with plastic fins. Proximity fuze is under development.

### TECHNICAL DATA:

• Caliber	120 mm
• Length of shell with fuze	610 mm
• Mass of mortar shell with fuze	12650 g
• Explosive charge	Thermobaric explosive (PBX)
• Explosive insensitivity according MIL-STD-2105B	
- Open flame and high temperature	Reaction type V (burning reaction)
- Impact of 12.7 mm Armour Piercing Ammunition	Reaction type V (burning reaction)
• Mass of explosive charge	2525 g
• Shell is assembled with special impact fuze	UT M18
• Lethal (kill) radius of fragments	20 m
• Overpressure at 5 m	0.5 bar
• Minimum discarding (release) height (altitude)	50 m
• Operating temperature range	-30°C to +55°C
• Storing temperature range	-30°C to +70°C
• Service life	15 years
• Packing	Wooden boxes and Cardboard tubes for shells
• Packing mode	Two shells in a box
• Weight of box with two shells	34 kg
• Box dimensions	673 x 317 x 166 mm

