

120 mm, HAL-20

Mortar shell with fuze UT M88 P2

TECHNICAL DATA:

• Caliber	120 mm
• Length of shell with fuze	675 mm
• Mass of mortar shell with fuze	13000 g
• Explosive charge	Thermobaric explosive (HAL-20)
• Explosive insensitivity according MIL-STD-2105B	Reaction type IV (deflagration reaction)
- Open flame and high temperature	Reaction type V (burning reaction)
- Impact of 12.7 mm Armour Piercing Ammunition	4000 g
• Mass of explosive charge	0.67 bar
• Overpressure at 5 m	UT M88 P2
• Shell is assembled with impact fuze	50 m
• Muzzle safety at lowest initial velocity	Ignition cartridge and
• Shell is completed with	6 Increment charges (0+6)
• Ignition cartridge	M74
• Operating temperature range	-30°C to +55°C
• Storing temperature range	-30°C to +70°C
• Service life	15 years
• High safety during transportation, handling and parachuting	

BALLISTIC DATA:

• When using 120 mm Mortar M75, barrel length 1500 mm:	
- Maximum range (0+6) at +55 °C	6400 m
- Muzzle velocity (0+6) at +55 °C	320 m/s
• Lethal (kill) radius of fragments	30 m

