

**DEVELOPMENT  
CONCEPT**



# 120 mm, Long range GPS guidance Mortar shell

## TECHNICAL DATA:

• Length of shell with fuze	850
• Mass of mortar shell with fuze	15,8 kg
• Type of explosive	RDX
• Mass of explosive	3,1 kg
• Ignition cartridge case	waterproof
• Type of fuze	Point detonating
• Muzzle safety when firing with ignition cartridge	70 m
• Service life for complete round, fuze, increment charge and body	15 years
• Reliable function within temperature range	-46° to +63° C
• Fully safe during handling, transport & parachuting	Simple overhaul

## BALLISTIC DATA:

• Xmax (m)	Barrel Length (mm)	Pressure in barrel (bar)
• 9100	1900	<1250
• 8500	1500	<1000
• Killing range (1 penetration/m <sup>2</sup> ) - radius	24m	
• Wounding range - radius	35 m	

## PACKING:

• 1 complete shell per carton	
• 2 cartons per wooden box	
• Dimensions of wooden box	900 x 317 x 166 mm
• Total mass	43 kg
• Total volume	0,047 m <sup>3</sup>
• Hazard class	1.2E

