

**DEVELOPMENT
CONCEPT**



120 mm, Rocket assisted Mk12 HE Mortar shell

TECHNICAL DATA:

• Length of shell with fuze	920
• Mass of mortar shell with fuze	16,5 kg
• Type of explosive	TNT/RDX
• Mass of explosive	2,1 kg
• Shell body material	forged steel
• Mass of shell body	0,9 kg
• Tail unit material	Al alloy
• Mass of tail unit	0,9 kg
• Ignition cartridge case	Al-alloy
• Ignition cartridge M12	EMB -161
• Increment charge in celluloid container M12	EMB - 291
• Rocket propelling charge	composite
• Type of fuze: UT, M88P1	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
• Max. range with barrel length 1500mm	13.000 m
• Max. pressure	< 922 bar
• Killing range (1 penetration/m) - radius	25 m
• Wounding range - radius	35 m
• Fully safe during handling, transport & parachuting	
• Simple overhaul	

