



MKKN

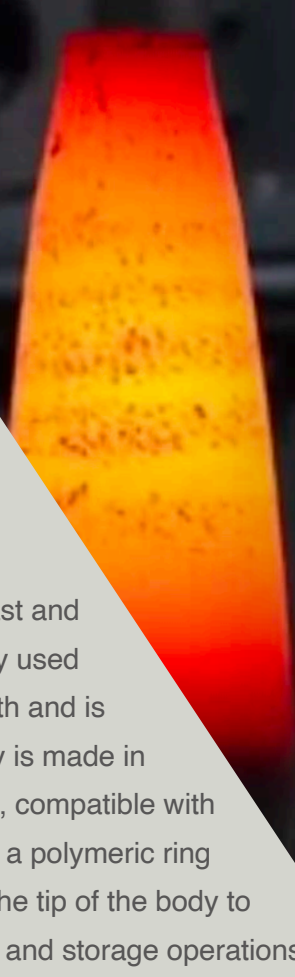
LARGE CALIBER AMMUNITION

155 MM SERIES

107 HE

HIGH EXPLOSIVE ARTILLERY AMMUNITION SHELLS FOR 155 MM HOWITZER

MKKN manufactures complete steel bodies for the 155 mm High Explosive (HE) M107 type howitzer munition used for blast and fragmentation effects. The M107 type is one of the most widely used artillery projectiles. It is filled with TNT, RDX or a mixture of both and is compatible with standard NATO fuses. The hollow forged body is made in quenched and annealed steel with a gilded metal driving band, compatible with all current 155 mm howitzer. The rotating band is protected by a polymeric ring (to be removed before firing), and a lifting plug is installed on the tip of the body to prevent possible damages to the fuse threads during handling and storage operations.



SYSTEM CHARACTERISTICS

Projectile Length (without fuse)	604 mm (equivalent to MKKN-107)
Projectile Weight (without fuse)	43.5 kg (equivalent to MKKN-107)
Fuse Cavity	IAW STANAG 2916
Type of Explosive	TNT / Composition B
Explosive Weight	7.17 kg
Color Blue with Yellow Markings	NATO AOP-2
Packaging	Wooden Pallet of 8 Projectiles
Packaging Dimensions and Weight	765 x 360 x 812 mm (approx. 305 kg)

SYSTEM QUALIFICATIONS

MIL-DTL-14824C (AR)
Detail specification, Projectile 155 mm, HE, metal parts assembly, M107.
STANAG 4224 (Ed. 4)
Large caliber artillery and naval gun ammunition greater than 40 mm, safety and suitability for service evaluation.

SYSTEM PERFORMANCES (FROM FH70 HOWITZER USING A M4A2/DM72 CHARGE)

Nominal Muzzle Velocity	560 ÷ 660 m/s
Nominal Spin Rate	66,800 ÷ 78,700 rpm
Nominal Chamber Pressure	1,780 ÷ 2,170 bar
Firing Upper/Lower Limit	+63 °C ÷ 46 °C
Storage Upper/Lower Limit	+71 °C ÷ 51 °C

