

The Mortar Company.



**hirtenberger**  
Defence Systems



# 120 MM MORTAR AMMUNITION



## AMMUNITION WITH „HE“ TYPE BALLISTICS



120 MM  
PRACTICE  
Mk2

**Filler**  
inert  
**Terminal effect**  
Impact signature  
(only with life fuze).



120 MM  
HE Mk2

**Filler**  
TNT  
**Terminal effect**  
Number of fragments  
> 10000  
(> 8900 fragments  
with  $m > 0.18$  g)



120 MM  
SMK-TTC  
Mk2

**Filler**  
Titanium tetrachloride  
**Terminal effect**  
Extraordinary fast  
generation of  
cold smoke.



120 MM  
SMK-WP  
Mk2

**Filler**  
White phosphorus  
**Terminal effect**  
Screening by fast  
generation of smoke.

## PYROTECHNIC AMMUNITION WITH IDENTICAL BALLISTICS



120 MM  
ILL-VIS  
Mk2

**Terminal effect**  
Luminosity: > 1200000 cd  
Illumination duration: 50 sec  
Descent rate: 5 m/s



120 MM  
ILL-IR  
Mk2

**Terminal effect**  
Illumination duration: 40 sec  
high infrared emission  
low visible emission  
Descent rate: 5 m/s



120 MM  
SMK-RP  
Mk2

**Filler**  
Red phosphorus  
**Terminal effect**  
Smoke generation time: 140 sec

## SHELL BODY

- optimised aerodynamic shape
- improved external ballistics
- increased range
- body material
- special cast iron
- high number of fragments
- increased combat efficiency



## IGNITION CARTRIDGE

- watertight aluminium design
- stable ballistics
- improved storage capability
- reliable function in wet environment



## DESIGN OF FIN TAIL

- no corrosion
- no break-up during firing
- weapon cannot be damaged
- improved storage capability



## PROPULSION SYSTEMS

- waterproof design by impregnation
- stable ballistics
- improved storage capability
- reliable function in wet environment
- modern composition of propellant
- higher energy content
- higher muzzle velocity
- reduced gas pressure
- higher ranges



## SPECIAL

- Bomb removal tool



# 120 MM MORTAR AMMUNITION



HE Mk2 / PRACTICE Mk2  
SMK-WP Mk2 / SMK-TTC Mk2

MAX. RANGE WITH  
1535 MM BARREL

GAS PRESSURE  
MAX.

Charge 1  
Charge 8  
Charge 9

1700 m  
8500 m  
9000 m

15 MPa  
160 MPa  
190 MPa

ILL-VIS Mk2 / ILL-IR Mk2 /  
SMK-RP Mk2  
EJECTION HEIGHT 350 M

Charge 1  
Charge 6

1460 m  
7000 m

15 MPa  
85 MPa