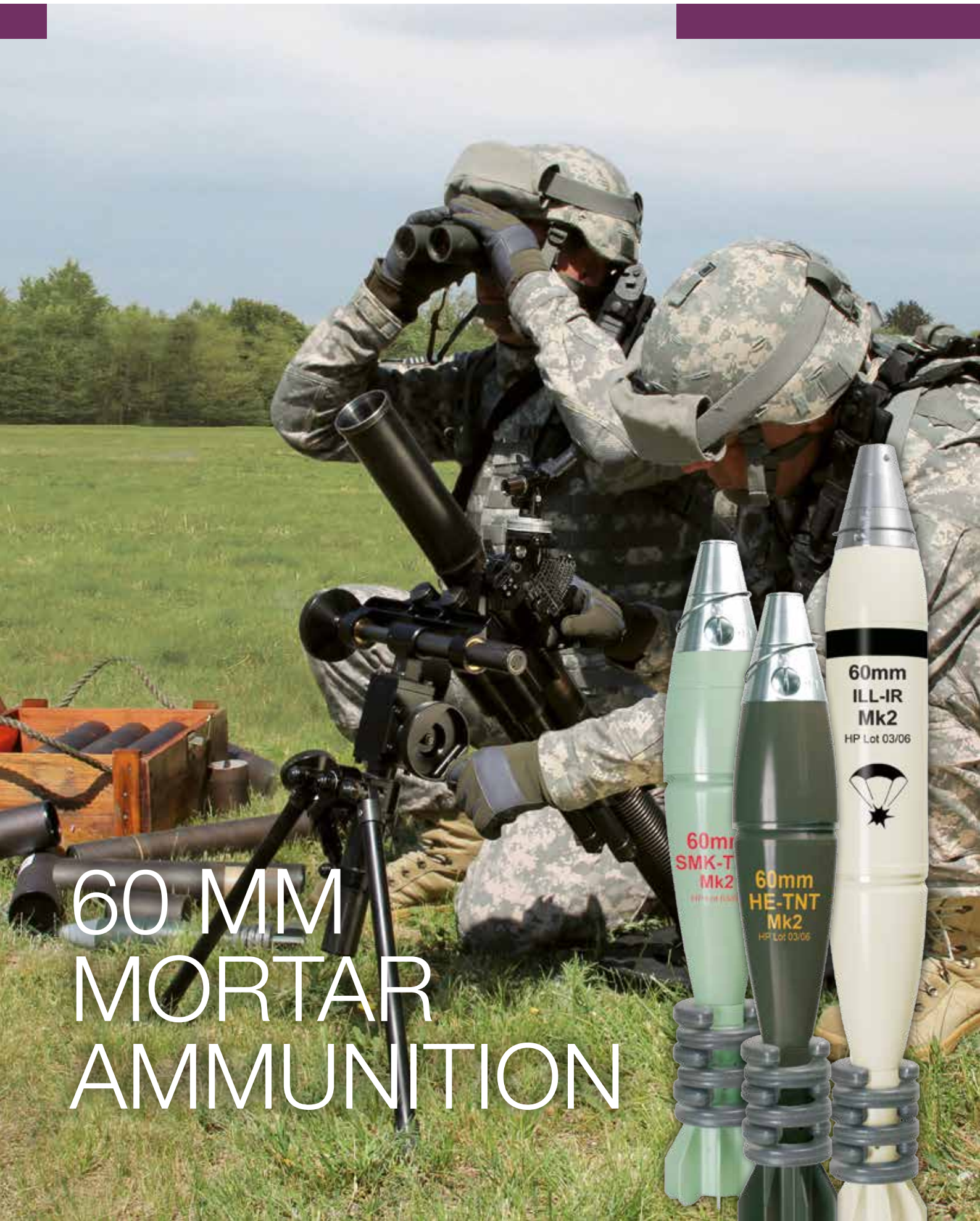


The Mortar Company.



**hirtenberger**

Defence Systems



# 60 MM MORTAR AMMUNITION



## AMMUNITION WITH „HE“ TYPE BALLISTICS



**60 MM PRACTICE Mk2**

**Filler**  
inert

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



**60 MM HE Mk2**

Qualified in NATO

**Filler**  
TNT

**Terminal effect**  
Number of fragments > 5000 (> 1100 with m > 0.18 g).



**60 MM SMK-WP Mk2**

Qualified in NATO

**Filler**  
White phosphorus

**Terminal effect**  
Screening by fast generation of smoke.



**60 MM SMK-TTC Mk2**

Qualified in NATO

**Filler**  
Titanium tetrachloride

**Terminal effect**  
Extraordinary fast generation of cold smoke.



### SHELL BODY

- optimised aerodynamic shape
- improved external ballistics
- increased range
- closed design
- no entrance of hot gases
- body material for HE-TNT
- special cast iron
- high number of fragments
- increased combat efficiency



### PROPULSION SYSTEMS

- charge container with bent rim
- increased mechanical stability
- no unintended loss during handling
- watertight design
- stable ballistics
- improved storage capability
- reliable function in wet conditions
- latest celluloid composition
- improved combustion characteristics
- no sticky residues
- no sticking bombs during firing
- latest propellant composition
- improved energy
- improved muzzle velocity
- reduced gas pressure
- greater range capability



### IGNITION CARTRIDGE

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

## PYROTECHNIC AMMUNITION WITH IDENTICAL BALLISTICS



**60 MM SMK-RP Mk2**

Qualified in NATO

**Filler**  
Red phosphorus


**Terminal effect**  
Smoke generation.  
Smoke duration: 90 sec



**60 MM ILL-VIS Mk2**

Qualified in NATO

**Terminal effect**  
Luminosity: 350000 cd  
Illumination duration: 40 sec  
Descent rate: 5 m/s



**60 MM ILL-IR Mk2**

Qualified in NATO

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



### MONOBLOC DESIGN OF FIN TAIL

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



## 60 MM MORTAR AMMUNITION



HE Mk2 / PRACTICE Mk2 SMK-WP Mk2 / SMK-TTC Mk2	MAX. RANGE M6-640 MM	MAX. RANGE M6-895 MM	MAX. RANGE M6-1000 MM	GAS PRESSURE MAX.
Charge 0	464 m	561 m	561 m	13 MPa
Charge 5	2872 m	3154 m	3500 m	45 MPa
Charge 6	–	3610 m	3933 m	54 MPa
ILL-VIS Mk2 / ILL-IR Mk2 SMK-RP Mk2 EJECTION HEIGHT 250 M				
Charge 1	777 m	854 m	891 m	16 MPa
Charge 5	2702 m	2865 m	3044 m	45 MPa
Charge 6	–	3273 m	3412 m	52 MPa