



ELMECH SINTERMAK

KATALOG PROIZVODA
PRODUCT CATALOGUE

THE REFERENCE LIST

Activities of company from the beginning of the Patriotic war until now. This reference list contains the main activities of company listed in chronological order in the field of development, production, reconditioning and technologies.

Therefore early of Patriotic war company got involved in development and production of weapons for our armed forces.

A) INFANTRY WEAPONS AND AMMUNITION

1. SNIPER RIFLE, model EM – 992, cal. 7,62 x 51 mm
2. SNIPER RIFLE, model EEM – 992, cal. 7,62 x 66 mm Magnum
3. SNIPER AMMUNITION:
 - Cartridges cal. 7,62 x 51 mm (.308 Winchester)
 - Cartridges cal. 7,62 x 66 mm (.300 Winchester Magnum)
4. Mastered the technology of production sniper rifles components and ammunition production.

B) ARTILLERY AMMUNITION

1. MINE 60 mm
2. MINE 81/82 mm
3. MINE LIGHT 120 mm
4. MINE HEAVY 120 mm
5. MINE OF EXTENDED RANGE 120 mm
6. MISSILE HOWITZER D30 122 mm
7. MISSILE HOWITZER D30 122 mm EXTENDED RANGE
8. MISSILE HOWITZER M38
9. Mastered the following technology:
 - Forging of shells and mechanical mines and grenades and casting of TNT and pressing of HEXOGEN
 - Producing of steel cases by welding
 - Production of gun powder charge
 - Production of mines – Fuzes K 85
 - Production of artillery Fuzes PD M572
 - Surface protection by phosphating, galvanization, cadminization and anodizing

C) REPAIR

1. Repair of navy artillery ammunition cal. 90 mm
2. Repair of artillery ammunition cal. 105 mm
3. Repair of howitzer and cannons missile cal. 155 mm
4. Repair of howitzer missile cal. 203 mm

D) PRODUCTION OF INDUSTRIAL EXPLOSIVES

1. Production of patron and bulk ANFO standard explosives and reinforced by Al powder
2. Production of EMULSION patron standard explosives cal. 15 150 mm and reinforced by Al powder
3. Production of EMULSION explosives on the spot – quarries and tunnels

E) BLASTING

1. Performing blasting at the quarries, tunnels and on the course of road construction – teh tunnel of Mala Kapela, highway Zagreb – Split

F) DEVELOPMENT OF SNIPER RIFLE AND SUPEREXTRA AMMUNITION FOR SPECIAL MILITARY UNITS

1. Development of Sniper rifle cal. 338 Lapua Magnum (8,6x 79 mm)
2. Development of armour piercing ammunition in following calibres :
 - .338 Lapua Magnum (8,6x66 mm)
 - .300 Winchester Magnum (7,62x 66 mm)
 - .308 Winchester (7.62x 51 mm)
 - .223 Remington (5.56x45 mm)
 - 7,62 x39 (AK 47 Kalashnikov)
 - 9 mm Luger (9x19 mm)
 - .50 Browning (12.7x99 mm)
3. Developed also special technology production of armour piercing core

SNAJPERSKA PUŠKA BP M08M
*SNIPER RIFLE BP M08M***NEW !!!**

Right now available the new generation sniper in caliber .338 EM typ EM018M of these characteristics:

- foldable buttstock
- monopod
- barrel length: 850 mm
- magazine 10 bullets
- effective range 1800 m

**NOVO !!!**

Upravo izlazi snajper nove generacije u kalibru .338 EM tip EM018M ovih karakteristika:

- preklopivi kundak
- treća nožica
- dužina cijevi: 850 mm
- spremnik 10 kom streljiva
- efektivno djelovanje 1800 m

SNAJPERSKA PUŠKA BP M08M

SNIPER RIFLE BP M08M

NAMJENA

BP M08M je puška specijalne namjene za gađanje ciljeva na velikim daljinama s visokom sigurnošću pogotka prvim hicem. Izrađuje se u dva snažna kalibra .338 Lapua Magnum i .300 Winchester Magnum. Namijenjena je posebnim vojnim i policijskim postrojbama. Nova konstrukcija u «bull pup» izvedbi omogućuje skraćanje ukupne duljine puške za 250 mm, zadržavajući istu duljinu cijevi. Pored toga raspored sile trzanja i oslonca o rame strijelca umanjuje odskočni kut puške, i time povećava preciznost gađanja.

TEHNIČKE KARAKTERISTIKE

Kalibar:	.338 Lapua Magnum .300 Winchester Magnum
Optički ciljnik:	uvećanje 16 x
Ukupna duljina puške:	1025 mm
Duljina cijevi:	670 mm
Duljina cijevi s plinskom kočnicom:	735 mm
Broj žljebova:	6 (4) desno navojni
Dužina ciljačke linije:	470 mm
Masa puške s praznim spremnikom:	7800 g (7550 g)
Sila okidanja:	5 do 15 N podešavajuća
Kapacitet spremnika:	5 metaka

SPECIJALNA OPREMA

Pasivni noćni nišan (po posebnoj narudžbi)
Zaštitna futrola izrađena od posebnog nepromočivog tvoriva.
Spremnik
Pribor za čišćenje

AIM

The BP M08M is manufactured in two strong-calibre: in .338 Lapua Magnum and in .300 Winchester Magnum. It is a special-purpose rifle, optically sighted, manually operated, turn-bolt repeating, designed for use against targets at the great distance with a high rate of successful first shot. These rifle are basically designed for special police and army forces. With new construction in «bull pup» version, the length of the rifle becomes shorter for 250 mm, without changing the length of the barrel. Besides that, the disposition of the recoil power and shoulder support of the rifleman reduces the rebound angle of the rifle therefore it increases its precision.

TECHNICAL CHARACTERISTIC

Caliber:	.338 Lapua Magnum .300 Winchester Magnum
Quick-detachable optics:	magnification 16 x
Rifle length:	1025 mm
Barrel length:	670 mm
Barrel length with Muzzle (gas) break:	735 mm
Grooves number:	6 (4) right-hand twists
Aiming line length:	470 mm
Rifle weight with empty magazine:	7800 g (7550 g)
Discharging power:	5 to 15 N
Magazine capacity:	5 bullets

ADDITIONAL EQUIPMENT

Passive night sight (by spec. order)
Waterproof, soft-sided case made from impregnated linen.
Magazine (additional)
Routine cleaning-maintenance gear in zippered case

NAŠE NOVO VISOKO PROBOJNO STRELJIVO

Naše novo specijalno visoko probojno streljivo ima uništavajuću moć.

Probojnost ovog streljiva koristi se za uništavanje materijalnih sredstava.

Pokazana probojnost određene debljine pancirnog čelika tvrdoće 300 HB, je zapravo probojnost iznad bilo kakve zaštitne odjeće, pancirke i zaštitnog šljema.

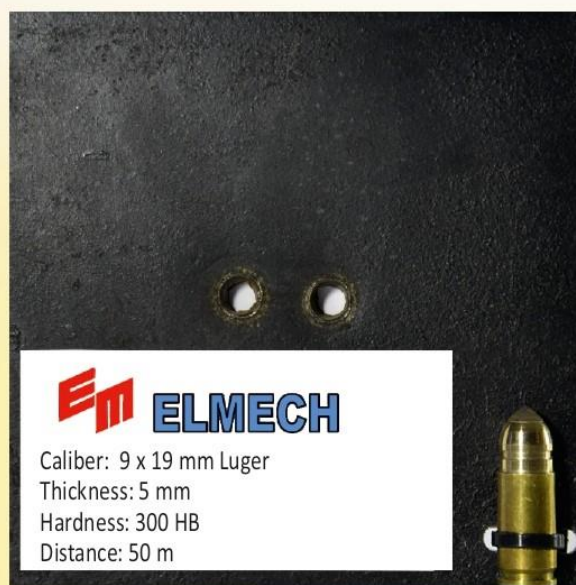


OUR NEW SUPER EXTRA AMMUNITION

The terrible, deadly and destructive power of ammunition previously unimaginable and unknown to the world.

Destructive piercing of special armor steel which is being use for the construction of tanks and special combat vehicles and combat systems.

With displayed piercing of certain thickness of armor steel hardness 300 HB , it is piercing at the same time behind and every protective cloth,bullet proof vest and protective helmet.



UPALJAČ UT M93
FUZE UT M93



UPALJAČ UT M93

FUZE UT M93

1	Kratak opis	Upaljač UT M93 je udarnog, trenutnog djelovanja, mehaničkog tipa. Upaljač djeluje samo pri udaru u prepreku.
	<i>Brief description</i>	<i>Fuze UT M93 is impact-detonated, instantenious, mechanical type. The fuze is activated only by striking the object.</i>
2	Namjena	Upaljač UT M93 namijenjen je za kompletiranje svih trenutnih mina kalibra 60 mm i 82 mm.
	<i>Purpose</i>	<i>Fuze UT M93 completes all HE mortar bombs 60 mm and 82 mm</i>
3	Sigurnost	Upaljač je sigurnog tipa s prekinutim inicijalnim lancem. Osnovno osiguranje izvedeno je pomoću kuglica.
	<i>Safety</i>	<i>Safety is ensured by discontinued initiating charge. Main safety system is ball constructed.</i>
4	Vrste djelovanja	Trenutno
	<i>Nature</i>	<i>Impact</i>
5	Zahtjevi armiranja	Obavlja se inercionom silom na udaljenosti 1,5 m ispred usta cijevi.
	<i>Arming requirements</i>	<i>Arming is based on inertial force, at a distance of 1,5 m in front of the muzzle</i>
6	Sigurnost pri padu	1,5 m
	<i>Safe height of falling</i>	<i>1,5 m</i>
7	Sigurnost ispred usta cijevi	min. 1,5 m
	<i>Muzzle safety distance</i>	<i>min. 1,5 m</i>
8	Temperaturno područje rada	od -30°C do +50°C
	<i>Operational temperature range</i>	<i>-30°C to +50°C</i>
9	Hermetičnost	Upaljač je hermetičan u vodi do 0,2 m dubine.
	<i>Impermeability</i>	<i>Fuze is impermeable in the water up to 0,2 m of depth.</i>
10	Sigurnost pri transportu	Upaljač je siguran pri svim vrstama transporta
	<i>Safety during transporation</i>	<i>Completely safe</i>
11	Masa	190 g
	<i>Weight</i>	<i>190 g</i>
12	Remont	Upaljač je pogodan za remont
	<i>Repair</i>	<i>Fuze is repairable</i>
13	Skladištenje	10 godina minimalno
	<i>Safe-keeping</i>	<i>10 years min.</i>

RAZORNA MINOBACAČKA MINA 60 mm M-73

60 mm M-73 DESTRUCTIVE MORTAR MINE



RAZORNA MINOBACAČKA MINA 60 mm M-73

60 mm M-73 DESTRUCTIVE MORTAR MINE

NAMJENA

Mina 60 mm razorna M-73 namijenjena je za uništavanje i onesposobljavanje žive sile i tehničko-materijalnih sredstava, stvaranje prolaza kroz minsko polje i žičane prepreke te rušenje fortifikacijskih objekata.

AIM

60 mm M-73 destructive mine is aimed to destroy and disable man-power and material assets, to provide passage through mine fields and wire obstacles and to knock down fortifications.

BALISTIČKE KARAKTERISTIKE

Kada se gađa iz minobacača 60 mm M57 dužine cijevi 720 mm:

Maksimalni domet (0 + 4):	2550 m
Minimalni domet (0):	94 m
Maksimalni radni tlak barutnih plinova mine u cijevi minobacača:	414 bar
Polumjer ubojitog djelovanja mine (1 proboj/m ²)	10 m

BALLISTIC CHARACTERISTIC

When we attack with the 60 mm M57 mortar, having 720 mm long muzzle:

Maximum firing range (0+4):	2550 mm
Minimum firing range (0):	94 m
Maximum working pressure of powder gases of mine in the mortar muzzle:	414 bar
Radius of mine lethal effect (1 penetration/m ²)	10 m

TEHNIČKE KARAKTERISTIKE

Dužina mine s upaljačem:	291 mm
Masa mine s upaljačem:	1350 g
Vrsta punjenja:	TNT
Masa punjenja mine:	220 g
Tip upaljača:	UT M68 P1
Sigurnost upaljača:	8 m
Broj barutnih punjenja:	0+4
Mina pouzdano funkcionira u temperaturnom rasponu od -30°C do +50°C	
Mina je sigurna pri transportu i rukovanju	

TECHNICAL CHARACTERISTIC

Length of mine with fuse:	291 mm
Weight of mine with fuse:	1350 g
Sort of charge:	TNT
Weight of mine charge:	220 g
Fuse type:	UT M68 P1
Fuse safety:	8 m
Number of powder charges:	0+4
The mine operates safety in the temperature range from -30°C to +50°C	
The mine is safe during transport and handling	

PAKIRANJE

1 kompletna mina u plastičnu kutiju	
12 plastičnih kutija u drveni sanduk	
Dimenzije sanduka:	50x40x20 cm
Ukupna masa:	29 kg
Ukupni volumen:	0,042 m ³

PACKING

1 complete mine in a plastic box	
12 plastic boxes in a wooden case	
Case dimensions:	50x40x20 cm
Total weight:	29 kg
Total volume:	0,042 m ³

RAZORNA MINOBACAČKA MINA 81/82 mm M 72/M-74

81/82 mm M 72/M-74 DESTRUCTIVE MORTAR MINE



RAZORNA MINOBACAČKA MINA 81/82 mm M 72/M-74

81/82 mm M 72/M-74 DESTRUCTIVE MORTAR MINE

NAMJENA

Mina 81/82 mm razorna M72/M-74 namijenjena je za uništavanje i onesposobljavanje žive sile i tehničko-materijalnih sredstava, stvaranje prolaza kroz minsko polje i žičane prepreke te rušenje fortifikacijskih objekata.

AIM

81/82 mm M72/m-74 destructive mine is aimed to destroy and disable man-power and material assets, to provide passage through mine fields and wire obstacles and to knock down fortifications.

BALISTIČKE KARAKTERISTIKE

Kada se gađa iz minobacača 82 mm M69 dužine cijevi 1450 mm:

Maksimalni domet (0+6):	5070 m
Minimalni domet (0):	91 m
Maksimalni radni tlak barutnih plinova mine u cijevi minobacača:	647 bar
Polumjer ubojitog djelovanja mine (1 proboj/m ²)	14 m

BALLISTIC CHARACTERISTIC

When we attack with the 80 mm M69 mortar, having 1450 mm long muzzle:

Maximum firing range (0+6):	5070 m
Minimum firing range (0):	91 m
Maximum working pressure of powder gases of mine in the mortar muzzle:	647 bar
Radius of mine lethal effect (1 penetration/m ²)	14 m

TEHNIČKE KARAKTERISTIKE

Dužina mine s upaljačem:	375 mm
Masa mine s upaljačem:	3050 g
Vrsta punjenja:	TNT
Masa punjenja mine:	680 g
Tip upaljača:	UT M68 P1
Sigurnost upaljača:	8 m
Broj barutnih punjenja:	0+6
Mina pouzdano funkcionira u temperaturnom rasponu od -30°C do +50°C	
Mina je sigurna pri transportu i rukovanju	

TECHNICAL CHARACTERISTIC

Length of mine with fuse:	375 mm
Weight of mine with fuse:	3050 g
Sort of charge:	TNT
Weight of mine charge:	680 g
Fuse type:	UT M68 P1
Fuse safety:	8 m
Number of powder charges:	0+6
The mine operates safety in the temperature range from -30°C to +50°C	
The mine is safe during transport and handling	

PAKIRANJE

1 kompletna mina u plastičnu kutiju	
5 plastičnih kutija u drveni sanduk	
Dimenzije sanduka:	54x44x16 cm
Ukupna masa:	29 kg
Ukupni volumen:	0,038 m ³

PACKING

1 complete mine in a plastic box	
5 plastic boxes in a wooden case	
Case dimensions:	54x44x16 cm
Total weight:	29 kg
Total volume:	0,038 m ³

MINA 120 mm TRENUTNO-FUGASNA, LAKA M92 i M62P3

120 mm HE MORTAR BOMB, LIGHT M92 & M62P3



MINA 120 mm TRENUTNO-FUGASNA, LAKA M92 i M62P3

120 mm HE MORTAR BOMB, LIGHT M92 & M62P3

NAMJENA

Namjena mine je uništavanje žive sile i tehničko-materijalnih sredstava, stvaranje prolaza kroz minska polja i žičane prepreke te rušenje fortifikacijskih objekata (upaljač za M62P3 je podešen na usporeno djelovanje).

AIM

HE mortars bomb is intended for destroying the manpower and firearms, for making passages through minefields and defence wirings as well as for demolishing fortifications (fuse for M62P3 is set on delay).

BALISTIČKE KARAKTERISTIKE

PUNJENJE	POČETNA BRZINA m/s	DOMET m
TEMELJNO + I	130	1574
TEMELJNO + II	176	2728
TEMELJNO + III	219	3938
TEMELJNO + IV	256	4932
TEMELJNO + V	290	5728
TEMELJNO + VI	322	6340

Maksimalni radni tlak: 981 bar

BALLISTIC CHARACTERISTIC

CHARGES Ignition Cartridge IC Propelling Charge PC	MUZZLE VELOCITY m/s	MAX. RANGE m
IC + I PC	130	1574
IC + II PC	176	2728
IC + III PC	219	3938
IC + IV PC	256	4932
IC + V PC	290	5728
IC + VI PC	322	6340

Maximum pressure: 981 x 10⁵ Pa

TEHNIČKE KARAKTERISTIKE

Masa mine: 12,6 kg
Duljina mine: 596 mm
Tijelo za M62P3: kovano
Upaljač za M62P3 (trenutni, usporeni): UTU M78
Tijelo za M92: NL 60
Upaljač za M92 (trenutni, SQ): K85
Radijus efikasnog djelovanja: 17 m

TECHNICAL CHARACTERISTIC

Weight, fuzed: 12,6 kg
Lenght, fuzed: 596 mm
Body for M62P3: forged
Fuse for M62P3 (impact and delay) UTU M78
Body for M92: NL 60
Fuse for M92 (impact, SQ): K85
Lethal radius: 17 m

PAKIRANJE

Mina je pakirana u hermetički zatvoren kartonski tuljak. Po dva tuljka s minama se smještaju u drveni sanduk dimenzija 675 x 315 x 190 mm. Bruto masa sanduka s minama iznosi 36 kg. Ukupni volumen sanduka je 0,04 m³.

PACKING

One mortar bomb is packed in hermetically sealed carton tube. Two tubes with mortar bombs are placed in a wooden case dimensions 675 x 315 x 190 mm. Gross weight of the case with the bombs is 36 kg and the volume of the case is 0,04 m³.

**MINA 120 mm TRENUTNO-FUGASNA,
POVEĆANOG DOMETA M95**
120 mm HE MORTAR BOMB, M95



MINA 120 mm TRENUTNO-FUGASNA, POVEĆANOG DOMETA M95
*120 mm HE MORTAR BOMB, M95***NAMJENA**

Namjena mine je uništavanje žive sile i tehničko-materijalnih sredstava, stvaranje prolaza kroz minska polja i žičane prepreke te rušenje fortifikacijskih objekata (upaljač je podešen na usporeno djelovanje).

BALISTIČKE KARAKTERISTIKE

Maksimalna početna brzina: 470 m/s
Maksimalni domet: 9200 m
Maksimalni radni tlak: 1400 bar

TEHNIČKE KARAKTERISTIKE

Masa mine: 14,70 kg
Duljina mine: 775 mm
Upaljač (trenutni, usporeni) UTU M78

PAKIRANJE

Mina je pakirana u hermetički zatvoren kartonski tuljak. Po dva tuljka s minama se smještaju u drveni sanduk dimenzija 885 x 315 x 190 mm. Bruto masa sanduka s minama iznosi 43 kg. Ukupni volumen sanduka je 0,053 m³.

AIM

HE mortars bomb is intended for destroying the manpower and firearms, for making passages through minefields and defence wiring as well as for demolishing fortifications (fuse is set on delay).

BALLISTIC CHARACTERISTIC

Maximum muzzle velocity: 470 m/s
Maximum range: 9200 m
Maximum average pressure: 1400×10^5 Pa

TECHNICAL CHARACTERISTIC

Weight, fuzed: 14,70 kg
Length, fuzed: 775 mm
Fuse (impact and delay) UTU M78

PACKING

One mortar bomb is packed in hermetically sealed carton tube. Two tubes with mortar bombs are placed in a wooden case dimensions 885 x 315 x 190 mm. Gross weight of the case with the bombs is 43 kg and the volume of the case is 0,053 m³.

METAK 105 mm SA TRENUTNO-FUGASNIM PROJEKTILOM HE, M1
105 mm HIGH-EXPLOSIVE ROUND M1



METAK 105 mm SA TRENUTNO-FUGASNIM PROJEKTILOM HE, M1 105 mm HIGH-EXPLOSIVE ROUND M1

NAMJENA

Projektil 105 mm HE, M1 namijenjen je za uništavanje i onesposobljavanje žive sile, tehničko-materijalnih sredstava, lakih utvrda, zaklonjenih i ukopanih položaja, kao i za pravljenje prolaza kroz minska polja i žičane prepreke.

Kad je upaljač podešen na tzv. usporeno djelovanje on aktivira eksplozivno punjenje s određenom vremenskom zadržkom (0,05 s) pri kojoj tijelo projektila penetrira u zapreku da bi tada došlo do eksplozije.

AIM

105 mm projectile is aimed to destroy and enable man-power, material assets, light fortifications, sheltered and entrenched positions as well as to provide passage through mine fields and wire obstacles.

When the fuse is adjusted to the so called slowed down operation, it activates explosive charge at a certain time delay (0,05 sec) at which the projectile body penetrates into the obstacle and provokes the explosion.

BALISTIČKE KARAKTERISTIKE

Početna brzina projektila: 473 m/s
Maksimalni domet: 11255 m
(ispaljen iz haubice 105 mm).

BALLISTIC CHARACTERISTIC

Initial speed of projectile: 473 m/s
Maximum range: 11255 m
(M 105 howitzer)

TEHNIČKE KARAKTERISTIKE

Kalibar: 105 mm
Dužina projektila s upaljačem: 495 mm
Masa projektila s upaljačem: 14,97 kg
Masa eksplozivnog punjenja: 2,2 kg
Masa metka, komplet: 19,08 kg
Dužina metka: 692 mm
Maksimalni tlak barutnih plinova u cijevi: 2300 bar
Radijus ubojnog djelovanja (1 proboj/m²): 20-25 m

TECHNICAL CHARACTERISTIC

Calibre: 105 mm
Projectile length with fuse: 495 mm
Projectile weight with fuse: 14,97 kg
Explosive charge weight: 2,2 kg
Weight of bullet: 19,08 kg
Length of bullet: 692 mm
Maximum working pressure of powder gases of mine in the mortar muzzle: 2300 bars
Radius of mine lethal effect (1 penetration/m²): 20-25 m

PAKIRANJE

U drvene sanduke po 2 metka.

PACKING

2 bullet in a wooden crates.

**METAK SA TRENUTNO-FUGASNOM GRANATOM 122 mm TF-462
I PUNIM BARUTNIM PUNJENJEM M78 ZA HAUBICU D30 I 2S1**

*122 mm HIGH-EXPLOSIVE ROUND OF-462
WITH FULL CHARGE M78*



METAK SA TRENUTNO-FUGASNOM GRANATOM 122 mm TF-462 I PUNIM BARUTNIM PUNJENJEM M78 ZA HAUBICU D30 I 2S1

122 mm HIGH-EXPLOSIVE ROUND OF-462
WITH FULL CHARGE M78

NAMJENA

Dvodijelni metak 122 mm sa trenutno-fugasnom granatom TF-462 i laboriranom čeličnom čahurom s punim barutnim punjenjem M78 za haubicu 122 mm D30 i 2S1 namijenjen je za uništavanje i onesposobljavanje žive sile, tehničko-materijalnih sredstava, lakih utvrda, zaklonjenih i ukopanih položaja, kao i za pravljenje prolaza kroz minska polja i žičane prepreke.

AIM

This two-piece 122 mm HE round is designed for 122 mm D30 and for the 122 mm 2S1 self-propelled howitzer for destroying and disabling the enemy manpower in the open or in field-type shelters, for making passages through minefields and defence wirings, for fighting the artillery, as well as for destroying light-armoured targets.

BALISTIČKE KARAKTERISTIKE

Početna brzina: 690 m/s
Maksimalni domet: 15300 m
Maksimalni radni tlak: 2450 bar

BALLISTIC CHARACTERISTIC

Muzzle velocity: 690 m/s
Maximum range: 15300 m
Maximum average pressure: 2450×10^5 Pa

TEHNIČKE KARAKTERISTIKE

Masa granate: 21,76 kg
Duljina granate: 556 mm
Masa laborirane čahure: 8,10 kg
Duljina čahure: 447 mm
Čahura je iz čelika
Upaljač (trenutni, usporenje 0,05 s) K02
Barutno punjenje: NC-12/1, NC-12/7

TECHNICAL CHARACTERISTIC

Weight, shell fuzed: 21,76 kg
Length, shell fuzed: 556 mm
Weight, cartridge case with full propelling charge: 8,10 kg
Length, cartridge case: 447 mm
Cartridge is made of steel
Fuse (impact and delay 0,05 s) K02
Propelling charge: NC-12/1, NC-12/7

PAKIRANJE

Po dva kompletna metka se pakiraju u drvene sanduke dimenzija 1180 x 420 x 260 mm. Bruto masa sanduka je 80 kg. Volumen je $0,13 \text{ m}^3$.

PACKING

Two complete 122 mm HE rounds are packed in a wooden cases dimensions 1180 x 420 x 260 mm. Gross weight of the case is 80 kg and the volume of the case is $0,13 \text{ m}^3$.

**METAK SA TRENUTNO-FUGASNOM GRANATOM 122 mm M76
POVEĆANOG DOMETA I PUNIM BARUTNIM PUNJENJEM M78
ZA HAUBICU D30 I 2S1**

*122 mm HIGH-EXPLOSIVE ROUND M76 EXTENDED RANGE
WITH FULL CHARGE M78*



**METAK SA TRENUTNO-FUGASNOM GRANATOM 122 mm M76
POVEĆANOG DOMETA I PUNIM BARUTNIM PUNJENJEM M78
ZA HAUBICU D30 I 2S1**

*122 mm HIGH-EXPLOSIVE ROUND M76 EXTENDED RANGE
WITH FULL CHARGE M78*

NAMJENA

Dvodijelni metak 122 mm sa trenutno-fugasnom granatom M76 i laboriranom čeličnom čahurom s punim barutnim punjenjem M78 za haubicu 122 mm D30 i 2S1 namijenjen je za uništavanje i onesposobljavanje žive sile, tehničko-materijalnih sredstava, lakih utvrda, zaklonjenih i ukopanih položaja, kao i za pravljenje prolaza kroz minska polja i žičane prepreke.

AIM

This two-piece 122 mm HE round is designed for 122 mm D30 and for the 122 mm 2S1 self-propelled howitzer for destroying and disabling the enemy manpower in the open or in field-type shelters, for making passages through minefields and defence wirings, for fighting the artillery, as well as for destroying light-armoured targets.

BALISTIČKE KARAKTERISTIKE

Početna brzina: 710 m/s
Maksimalni domet: 17300 m
Maksimalni radni tlak: 2550 bar

BALLISTIC CHARACTERISTIC

Muzzle velocity: 710 m/s
Maximum range: 17300 m
Maximum average pressure: 2550×10^5 Pa

TEHNIČKE KARAKTERISTIKE

Masa granate: 21,76 kg
Duljina granate: 596 mm
Masa laborirane čahure: 8,30 kg
Duljina čahure: 447 mm
Čahura je iz čelika
Upaljač (trenutni, usporenje 0,05 s) K02
Barutno punjenje: NC

TECHNICAL CHARACTERISTIC

Weight, shell fuzed: 21,76 kg
Length, shell fuzed: 596 mm
Weight, cartridge case with full propelling charge: 8,30 kg
Length, cartridge case: 447 mm
Cartridge is made of steel
Fuse (impact and delay 0,05 s) K02
Propelling charge: NC

PAKIRANJE

Po dva kompletna metka se pakiraju u drvene sanduke dimenzija 1180 x 420 x 260 mm. Bruto masa sanduka je 81 kg. Volumen je $0,13 \text{ m}^3$.

PACKING

Two complete 122 mm HE rounds are packed in a wooden cases dimensions 1180 x 420 x 260 mm. Gross weight of the case is 81 kg and the volume of the case is $0,13 \text{ m}^3$.

METAK 155 mm SA PROJEKTILOM HE M 107/M101

155 mm BULLET WITH HE M 107/M101



METAK 155 mm SA PROJEKTILOM HE M 107/M101

155 mm BULLET WITH HE M 107/M101

NAMJENA

Projektil 155 mm namijenjen je za uništavanje i onesposobljavanje žive sile, tehničko-materijalnih sredstava, lakih utvrda, zaklonjenih i ukopanih položaja, kao i za pravljenje prolaza kroz minska polja i žičane prepreke.

Kad je upaljač podešen na tzv. usporeno djelovanje on aktivira eksplozivno punjenje s određenom vremenskom zadržskom (0,05 s) pri kojoj tijelo projektila penetrira u zapreku da bi tada došlo do eksplozije.

AIM

155 mm projectile is aimed to destroy and enable man-power, material assets, light fortifications, sheltered and entrenched positions as well as to provide passage through mine fields and wire obstacles.

When the fuse is adjusted to the so called slowed down operation, it activates explosive charge at a certain time delay (0,05 sec) at which the projectile body penetrates into the obstacle and provokes the explosion.

BALISTIČKE KARAKTERISTIKE

Početna brzina projektila: 564 m/s
Maksimalni domet: 14950 m
(haubica M 114) ili veći, što zavisi od barutnih punjenja i dužine cijevi.

BALLISTIC CHARACTERISTIC

Initial speed of projectile: 564 m/s
Maximum range: 14950 m
(M 114 howitzer) or more, depending on powder charges and barrel length.

TEHNIČKE KARAKTERISTIKE

Kalibar: 155 mm
Promjer košuljice: 154,71 mm
Promjer preko vodećeg prstena: 157,98 mm
Dužina projektila bez upaljača: 605,3 mm
Masa projektila s upaljačem: 43 kg
Masa eksplozivnog punjenja: 6,9 kg
Upaljač: M 557 i sl.
Temperaturno područje pr.: -30°C do +50°C
Broj fragmenata: oko 2000 kom

TECHNICAL CHARACTERISTIC

Calibre: 155 mm
Shell diameter: 154,71 mm
Driving band diameter: 157,98 mm
Projectile length without fuse: 605,3 mm
Projectile weight with fuse: 43 kg
Explosive charge weight: 6,9 kg
Fuse: M 557 or s.
Temperature range application: -30°C to +50°C
Number of fragments: approx. 2000 pcs

PAKIRANJE

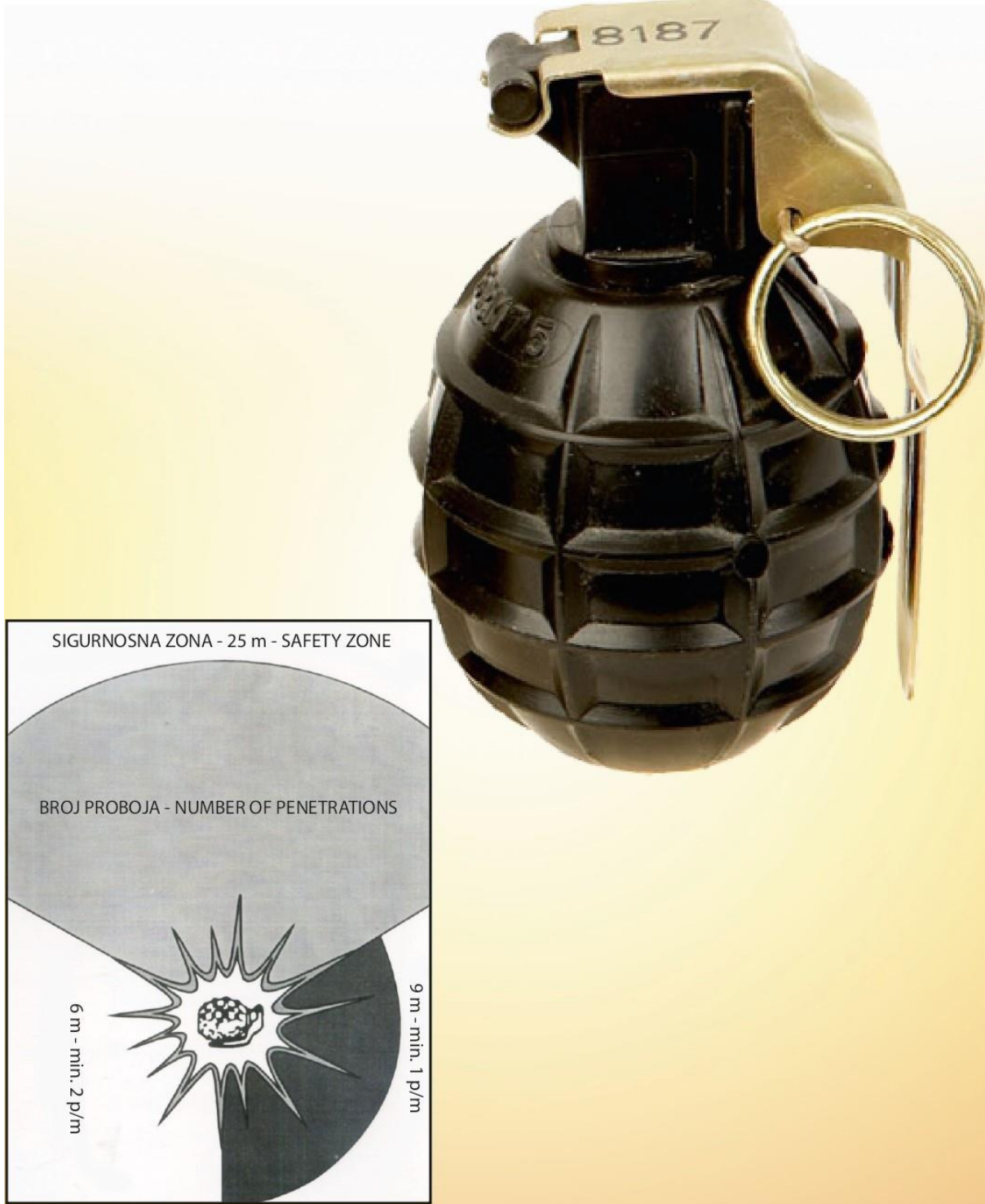
Drvene palete sa 8 projektila.

PACKING

Wooden pallet containing 8 projectiles.

BOMBA RUČNA BR M75

HAND GRENADE HG M75



BOMBA RUČNA BR M75

HAND GRENADE HG M75

1	Dimenzije bombe s upaljačem	Ø 58 x 89 mm
	<i>Dimensions of hand grenade with fuse</i>	<i>Ø 58 x 89 mm</i>
2	Težina bombe	350 g
	<i>Hand grenade mass</i>	<i>350 g</i>
3	Eksplozivno punjenje	Plastični eksploziv 36 g
	<i>Explosive charge</i>	<i>Plastic explosive 36 g</i>
4	Tijelo bombe	Plastično sa čeličnim fragmentima Ø 2,5-2,9 mm
	<i>Hand grenade body</i>	<i>Plastic with steel fragments Ø 2,5-2,9 mm</i>
5	Sila izvlačenja osigurača	7 - 18 daN
	<i>Pulling force of the safety elemental</i>	<i>7 - 18 daN</i>
6	Sigurnosni kut otklona žlice	35°
	<i>Safety angle of fuze lever</i>	<i>35°</i>
7	Vrijeme usporenja	3 do 4 s
	<i>Delay time</i>	<i>3 to 4 s</i>
8	Sposobna za funkciju u temperaturnom intervalu	-30°C do +60°C
	<i>Made for action in the temperature range</i>	<i>-30°C to +60°C</i>
9	Sposobna za sve vrste transporta	
	<i>Safe for any type of transportation</i>	
10	60 kom. bombi pakirano u drveni sanduk dimenzija 514 x 396 x 270 cm bruto težine	
	<i>Sixty (60) hand grenades are packed in a wooden box dimensions 514 x 396 x 270 mm gross weight</i>	
11	Mogućnost skladištenja	15 godina
	<i>Storage period</i>	<i>15 years</i>

UPALJAČ BOMBE RUČNE VJEŽBOVNE
UBRV, M92

FUSE FOR TRAINING HAND-GRENADES UBRV, M92



UPALJAČ BOMBE RUČNE VJEŽBOVNE UBRV, M92

FUSE FOR TRAINING HAND-GRENADES, UBRV, M92

1	Usporenje	3 - 5 s
	<i>Delay</i>	3 - 5 s
2	Jačina pucnja	115 dB
	<i>Sound level</i>	115 dB
3	Sila izvlačenja osigurača	7 - 18 daN
	<i>Pulling force of the safety element</i>	7 - 18 daN
4	Sigurnosni kut otklona žlice	35°
	<i>Safety angle of fuze lever</i>	35°
5	Sposobna za funkciju u temperaturnom intervalu	-30°C do +60°C
	<i>Capable for action in temperature range</i>	-30°C to +60°C



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