

# PINDAD

DEFENCE PRODUCTS



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# AMMUNITIONS

PINDAQ  
INDONESIA'S SECURITY RESPONSE

MU1-H 9 x 19 mm



## DESCRIPTION

Used for all type of Pistol caliber 9 x 19 mm. Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber. Synonym: 9 x 19 mm ; Type Blank.

## SPECIFICATIONS

Weight of Cartridge	5.00 gram
Length of Cartridge	27.20 mm
Sound level	Min. 90 dB
Safety	None of cartridges fired can pierce an approx 0.10 mm thick kraft paper target at 5 m distance from muzzle.

MU1-JHP A1 9 x 19 mm



NSN: 1305 450002688

## DESCRIPTION

Used for all type of Pistol caliber 9 x 19 mm.  
Example: Luger Parabellum, Browning GP35,  
Beretta 92, SIG P225 and so on in similar caliber.  
Synonym: 9 x 19 mm Ball ; Type Jacketed  
Hollow Point.

## SPECIFICATIONS

Weight of Cartridge	12.38 gram
Length of Cartridge	26.80 mm
Velocity ( $V_0$ )	315 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 50 m	Max. Ø 7 Cm. (ES)

## MU1-JHP Caliber 9 x 19 mm



NSN: 1305 450002687

### DESCRIPTION

Used for all type of Pistol Caliber 9 x 19 mm.  
Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber.  
Synonym: 9 x 19 mm Ball ; Type Jacketed Hollow Point.

### SPECIFICATIONS

Weight of Cartridge	12.38 gram
Length of Cartridge	28.70 mm
Velocity ( $V_0$ )	320 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 50 m	Max. Ø 14 Cm. (ES)

MU1-K Caliber 9 x 19 mm



NSN: 1305 450002690

## DESCRIPTION

Used for all type of Pistol caliber 9 x 19 mm.  
Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber.  
Synonym: 9 x 19 mm Ball ; Type Rubber Bullet, Anti Riot.

## SPECIFICATIONS

Weight of Cartridge	4.95 gram
Length of Cartridge	29.70 mm
Velocity ( $V_0$ )	200 m/s
Average Max. Gas Pressure	Max.1,000 kg/cm <sup>2</sup>
Accuracy at 15 m	H = 30 Cm V = 45 Cm

Terminal effect distance 15 m on wax in the jean's cloth (target backing material) max. penetrations 15 mm in depth

## MU1-S Caliber 9 x 19 mm



NSN: 1305 450001884

### DESCRIPTION

Used for all type of Pistol Caliber 9 x 19 mm.  
Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber.  
Synonym: 9 x 19 mm Subsonic.

### SPECIFICATIONS

Jacket	Brass
Weight of Cartridge	14.60 gram
Length of Cartridge	29.70 mm
Velocity ( $V_{10}$ )	300 m/s
Average Max. Gas Pressure	Max.2,600 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 10 Cm. (ES)



MU1-TJ A1 Caliber 9 x 19 mm



NSN: 1305 450002689

## DESCRIPTION

Used for all type of Pistol Caliber 9 x 19 mm.  
Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber.  
Synonym: 9 x 19 mm Ball ; Parabellum, 9 mm Luger, 9 mm Patrone'08.

## SPECIFICATIONS

Jacket	Copper Alloy
Weight of Cartridge	12.26 gram
Length of Cartridge	29.70 mm
Velocity ( $V_0$ )	322 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 14 Cm. (ES)

## MU1-TJ Caliber 9 x 19 mm



### DESCRIPTION

Used for all type of Pistol Caliber 9 x 19 mm. Example: Luger Parabellum, Browning GP35, Beretta 92, SIG P225 and so on in similar caliber. Synonym: 9 x 19 mm Ball ; Parabellum, 9 mm Luger, 9 mm Patrone'08.

### SPECIFICATIONS

Jacket	Brass
Weight of Cartridge	12.26 gram
Length of Cartridge	29.70 mm
Velocity ( $V_{12.5}$ )	380 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 14 Cm. (ES)

## MU2-H Caliber 7.62 x 51 mm



NSN: 1305 450001806

### DESCRIPTION

Used for automatic or semi-automatic guns caliber 7.62 x 51 mm NATO standard, using a blank firing device. Synonym: 7.62 x 51 mm BLANK M82

### SPECIFICATIONS

Weight of Cartridge	12.95 gram
Length of Cartridge	63.50 mm
Sound level	Min. 90 dB
Safety	None of cartridges fired can pierce an approx 0.10 mm thick kraft paper target at 5 m distance from muzzle.

MU2-M Caliber 7.62 x 51 mm / .308  
WIN MATCH



NSN: 1305 450001807

## DESCRIPTION

Used for weapon caliber 7.62 x 51 mm for Sniper and others with barrel Twist 12 inch. Steyr scout 7.62 ; C3A1 ; AT1-M24 7.62 ; SPR-3 Pindad ; Sako TRG Sniper ; M70M Sniper (AWT); IMI SR-99. Synonym: 7.62 x 51 mm NATO Match Ball ; .308 Winchester.

## SPECIFICATIONS

Bullet	Hollow Point Boat Tail (168 grains)
Weight of Cartridge	25.15 gram
Velocity ( $V_0$ )	790 m/s
Average Max. Gas Pressure	Max. 3,600 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 2.5 Cm. (ES)

## MU2-S Caliber 7.62 x 51 mm



NSN: 1305 450006585

### DESCRIPTION

Used for weapon caliber 7.62 x 51 mm NATO's standard and others with barrel Twist 12 inch, SP1, G3, M14, BM59, FN MAG, L4, MG3 and similar. Length of barrel 12 inch with silencer. Synonym: 7.62 x 51 mm Subsonic.

### SPECIFICATIONS

Bullet	Hollow Point Boat Tail (168 grains)
Weight of Cartridge	23.00 gram
Length of Cartridge	71.12 mm
Velocity ( $V_0$ )	410 m/s
Average Max. Gas Pressure	Max. 1,420 kg/cm <sup>2</sup>
Accuracy at 50 m	Max. Ø 10 Cm. (ES)



## DESCRIPTION

Used for light machine guns caliber 7.62 x 51 mm Linked (L20); MAG, HK, 21E, MG3, MG42/59, M60 and similar. Length of barrel 12 inch. Synonym: 7.62 x 51 mm Ball NATO ; M80 Linked.

MU2-TJ LINK L20/M13 Caliber  
7.62 x 51 mm

## SPECIFICATIONS

MU2-TJ	
Weight of Cartridge	24.10 gram
Lenght of Cartridge	71.12 mm
Average Max. gas pressure	3,300 kg/cm <sup>2</sup>
Velocity at (V <sub>10</sub> )	837 m/s
MU2-N	
Weight of Cartridge	24.10 gram
Lenght of Cartridge	71.12 mm
Average Max. gas pressure	3,600 kg/cm <sup>2</sup>
Velocity at (V <sub>10</sub> )	800 m/s
Tracer performance	Visible at 137 m to 777 m

MU2-TJ Caliber 7.62 x 51 mm



NSN: 1305 450001804

## DESCRIPTION

Used for weapon caliber 7.62 x 51 mm NATO's standard, SP1, G3, M14, BM59, FN MAG, L4, MG3, M60 machine guns and so on in similar caliber. Synonym: 7.62 x 51 mm NATO ; M80 ; .308 Winchester.

## SPECIFICATIONS

Bullet	Full Metal Jacket (145 grains)
Weight of Cartridge	24.10 gram
Length of Cartridge	71.12 mm
Velocity ( $V_{10}$ )	837 m/s
Average Max. Gas Pressure	Max. 3,300 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 14 cm. (ES)

## MU2-TJS A1 Caliber 7.62 x 51 mm



### DESCRIPTION

Used for sniper caliber 7.62 x 51 mm and length of barrel 12 inch. Steyr scout 7.62 ; C3A1 ; AT1 - M24 7.62 ; SPR 3 Pindad ; Sako TRG Sniper ; M70M sniper (AWT) ; IMI SR 99. Synonym: 7.62 x 51 mm Ball ; Type Hollow Point Boat Tail.

### SPECIFICATIONS

Bullet	Hollow Point Boat Tail (168 grains)
Weight of Cartridge	25.15 gram
Length of Cartridge	71.12 mm
Velocity ( $V_0$ )	755 m/s
Average Max. Gas Pressure	Max. 3,300 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 2.5 cm. (ES)



## MU2-TJS Caliber 7.62 x 51 mm



### DESCRIPTION

Used for sniper caliber 7.62 x 51 mm and barrel Twist 12 inch. Steyr scout 7.62 ; C3A1 ; AT1 - M24 7.62 ; SPR 3 Pindad ; Sako TRG Sniper ; M70M sniper (AWT) ; IMI SR 99. Synonym: 7.62 x 51 mm Ball ; Type Hollow Point Boat Tail.

### SPECIFICATIONS

Bullet	Hollow Point Boat Tail (168 grains)
Weight of Cartridge	25.15 gram
Length of Cartridge	71.12 mm
Velocity ( $V_0$ )	820 m/s
Average Max. Gas Pressure	Max. 4,000 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 5 Cm. (ES)

## MU3-BLAM Caliber 12.7 x 99 mm



### DESCRIPTION

Used for sniper caliber 12.7 x 99 mm and similar. SPR 2 Pindad MACS M3 ; MACS M2A ; TRUVELO 12.7 mm ; AW50F ; BARRETT 82A1M. Synonym: 12.7 x 99 mm Ball ; HIGH EXPLOSIVE INCENDIARY ARMOUR PIERCING (HEI-AP).

### SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.42 mm
Velocity ( $V_0$ )	900 m/s
Average Max. Gas Pressure	Max. 4,000 kg/cm <sup>2</sup>
Accuracy at 200 m	Max. Ø 7 Cm. (ES)
Penetration at 1000 m	ArmoX 550 $\approx$ 10mm
Fragmentation	20 – 30 Cm after penetrate Al. plate $\approx$ 2mm / Steel plate $\approx$ 1mm.

## MU3-M Caliber 12.7 x 99 mm



### DESCRIPTION

Used for sniper caliber 12.7 x 99 mm, SPR 2 Pindad MACS M3 ; MACS M2A ; TRUVELO 12.7 mm ; AW50F ; BARRETT 82A1M. Synonym: 12.7 x 99 mm Ball Solid ; Long Range Sniper Ammunition.

### SPECIFICATIONS

Weight of Cartridge	121 gram
Length of Cartridge	138.43 mm
Velocity ( $V_0$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 7 Cm. (ES)
Penetration at 200 m	ST 37 Steel Plate ≠ 10 mm

MU3-N LINK HBFL Caliber 12.7 x 99 mm  
/ .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB / QCB Machine Guns or similar. Synonym: 12.7 x 99 mm Ball ; Type Tracer (M17) Linked Close Loop Type M2 (HBFL).

## SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Tracer performance	Visible at 76 m to 2,240 m

MU3-N LINK CIS Caliber 12.7x99 mm/.50  
BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Gun or similar. Synonym: 12.7 x 99 mm Ball ; Type Tracer (M17) Linked Open Loop Type M15 A2 (CIS).

## SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Tracer performance	Visible at 76 m to 2,240 m

MU3-P LINK HBFL Caliber 12.7 x 99 mm / .50  
BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB / QCB Machine Guns or similar. Synonym: 12.7 x 99 mm Ball ; Type Armour Piercing Linked Close Loop Type M2 (HBFL).

## SPECIFICATIONS

Weight of Cartridge	125 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≠ 16 mm

MU3-P LINK CIS Caliber 12.7 x 99 mm  
/.50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Gun or similar. Synonym: 12.7 x 99 mm Ball ; Type Armour Piercing (M2) Linked open loop Type M15 A2 (CIS).

## SPECIFICATIONS

Weight of Cartridge	125 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≠ 16 mm

MU3-PB LINK CIS  
Caliber 12.7 x 99 mm / .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Gun or similar. Synonym: 12.7 x 99 mm Armour Piercing Incendery (M8) Linked Open Loop Type M15 A2 (CIS).

## SPECIFICATIONS

Weight of Cartridge	113,60 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	Mild steel $\neq$ 16 mm



MU3-PB LINK HBFL, 12.7 x 99 mm / .50  
BROWNING



NSN: 1305 450001895

## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns or similar. Synonym: 12.7 x 99 mm Armor Piercing Incendery (M8) Linked Close Loop M2 Type (HBFL).

## SPECIFICATIONS

Weight of Cartridge	113,60 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	Mild steel $\neq$ 16 mm

MU3-PBN HBFL Caliber 12.7 x 99 mm / .50  
BROWNING



#### DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns or similar. Synonym: 12.7 x 99mm ; Ball Armour Piercing Incendery Tracer (M20) Linked Close Loop M2 (HBFL).

#### SPECIFICATIONS

Weight of Cartridge	113,50 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST 37 Steel Plate ≠ 16 mm

MU3-PN LINK CIS Caliber 12.7 x 99 mm  
/.50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Guns or similar. Synonym: 12.7 x 99 mm Ball ; Type Armour Piercing Tracer (M17) Linked Open Loop M15 A2 (CIS).

## SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel Plate ≠ 16 mm
Tracer Performance	Visible at 275 m to 1,463 m

MU3-PN LINK HBFL Caliber 12.7 x 99 mm  
.50 BROWNING



#### DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns or similar. Synonym: 12.7 x 99 mm Ball ; Type Armour Piercing Tracer (M17) Linked Close Loop M2 (HBFL).

#### SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel plate ≠ 16 mm
Tracer Performance	Visible at 275 m to

MU3-PBN LINK CIS Caliber 12.7 x 99  
mm / .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Gun or similar. Synonym: 12.7 x 99 mm ; Ball (M20) Armour Piercing Incendery Tracer Linked Open Loop M15 A2 (CIS).

## SPECIFICATIONS

Weight of Cartridge	113,50 gram
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Penetration at 150 m	ST37 Steel plate $\neq$ 16 mm
Accuracy at 150 m	Max. $\varnothing$ 40 Cm. (ES)

## MU3-SAM Caliber 12.7 x 99 mm



### DESCRIPTION

Used for sniper caliber 12.7 x 99 mm , SPR 2 Pindad MACS M3 ; MACS M2A ; TRUVELO 12.7 mm ; AW50F ; BARRETT 82A1M. Synonym: 12.7 x 99 mm Ball Solid ; Armour Piercing (AP-2).

### SPECIFICATIONS

Weight of Cartridge	118 gram
Length of Cartridge	138.43 mm
Velocity ( $V_0$ )	915 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 200 m	Max. Ø 7 Cm. (ES)
Penetration at 750 m	Armox 550 ± 10mm



MS# 1205 430001731

## MU5-TJ LINK Caliber 5.56 x 45 mm L50/M27

### DESCRIPTION

Used for Light Machine Guns Caliber 5.56 x 45 mm using metallic Link belt (L50/ M27)  
; MINIMI, M249, and so on in similar caliber. Length of Twist 7 inch. Synonym: 5.56 x  
45 mm NATO ; SS109 + L110.

### MU5-TJ

Weight of Cartridge	: 12.35 gram
Length of Cartridge	: 57.4 mm
Average Max. Gas pressure	: 3,800 kg/cm <sup>2</sup>
Velocity at 25 m	: 915 m/s
Penetration at 570 m	: Soft steel plate SAE 1010/1020 # 3.5 mm

### MU5-N

Weight of Cartridge	: 12.35 gram
Length of Cartridge	: 57.4 mm
Average Gas pressure	: 3,800 kg/cm <sup>2</sup>
Velocity at 25 m	: 870 m/s
Tracer Performance	: Visible at 15 m to 600 m

## MU5-TJ Caliber 5.56 x 45 mm



### DESCRIPTION

Used for all weapon with caliber ammunition chamber 5.56 x 45 mm, SS1, and so on in similar. Synonym: 5.56 x 45 mm NATO ; 5.56 mm SS109.

### SPECIFICATIONS

Weight of Cartridge	12.35 gram
Length of Cartridge	57.40 mm
Velocity ( $V_{25}$ )	915 m/s
Average Max. Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 100 m	≤ 20 Cm (H + V)
Through of Penetration at 570 m	Soft steel plate SAE 1010/1020 # 3.5 mm



## MU5-S Caliber 5.56 x 45 mm



### DESCRIPTION

Used for SS1-V1/SS1-V2/FNC/,5.56 x 45 mm and similar. Synonym: 5.56 x 45 mm Subsonic Ball.

### SPECIFICATIONS

Bullet	Full Metal jacket Boat Tail (61 grains)
Weight of Cartridge	10.68 gram
Length of Cartridge	57.40 mm
Velocity ( $V_{10}$ )	340 m/s
Average Max. Gas Pressure	Max. 1,500 kg/cm <sup>2</sup>
Accuracy at 50 m	Max. Ø 10 Cm. (ES)

## MU8-K Caliber 7.62 x 39 mm



### DESCRIPTION

Used for SKS, Soviet AK-47, and other non-machine weapons caliber 7.62 x 39 mm.

### SPECIFICATIONS

Weight of Cartridge	8.90 gram
Length of Cartridge	43.90 mm
Velocity ( $V_{10}$ )	320 m/s.
Penetrations at 50 m distance	Maximum can be penetrate of two sheets plywood with a thickness 3 mm, the distances between plywood 2.5 Cm.
Accuracy at 30 m	Max. Ø 50 Cm (ES)

## MU8-TJ Caliber 7.62 x 39 mm



### DESCRIPTION

Used for SKS, Soviet AK-47, AKM, RPD, RPK Machine Guns and other weapons caliber 7.62 x 39 mm. Synonym: 7.62 x 39 mm Soviet M1943 ; 7.62 Kalashnikov ; 7.62 mm obr 43 g.

### SPECIFICATIONS

Weight of Cartridge	17.70 gram
Length of Cartridge	55.70 mm
Velocity ( $V_{10}$ )	715 m/s
Average Max. Gas Pressure	Max. 3,400 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 14 Cm. (ES)

## MU9-TJ Caliber 9 x 21 mm



### DESCRIPTION

Used for automatic Pistol caliber 9 x 21 mm.  
Synonym: 9 x 21 mm IMI.

### SPECIFICATIONS

Jacket	Brass
Weight of Cartridge	12.40 gram
Length of Cartridge	29.70 mm
Velocity ( $V_{12.5}$ )	350 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 15 Cm (ES)

## MU9-UL Caliber 9 x 21 mm



### DESCRIPTION

Used for weapon caliber 9 x 21 mm, Jagawana PM-1A1 (SPH2-V1). Synonym: 9 x 21 mm Soft point.

### SPECIFICATIONS

Jacket	Brass
Weight of Cartridge	12.75 gram
Length of Cartridge	29.70 mm
Velocity ( $V_{12.5}$ )	370 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 15 Cm (ES)

## MU15-K Caliber 7.65 x 17 mm



### DESCRIPTION

Used for pistol caliber 7.65 mm Auto ; 0.32 Auto ; 0.32 ACP or 7.65 Browning, P-3A and similar.  
Synonym: 7.65 mm Anti Riot.

### SPECIFICATIONS

Weight of Cartridge	3.90 gram
Length of Cartridge	24.90 mm
Velocity ( $V_{10}$ )	325 m/s
Accuracy at 10 m	H = Max. 30 Cm V = Max. 45 Cm

Terminal effect distance 20 m on wax in the jean's cloth (target backing material) max. penetrations 10 mm in depth.

MU15-TJ (.32 ACP)  
Caliber 7.65 x 17 mm



## DESCRIPTION

Used for automatic pistol caliber 7.65 mm Auto ; 0.32 Auto ; 0.32 ACP or 7.65 Browning, P-3A and similar. Synonym: 7.65 BROWNING ; 0.32 ACP ; 7.65 x 17SR ; 7.65 mm ACP.

## SPECIFICATIONS

Weight of Cartridge	7.85 gram
Length of Cartridge	24.90 mm
Velocity ( $V_{10}$ )	290 m/s
Average Max.Gas Pressure	Max. 1,800 kg/cm <sup>2</sup>
Accuracy at 20 m	Max. Ø 10 Cm (ES)

## MU19-BK Caliber 12 GA



### DESCRIPTION

Used for shotgun shell caliber 12GA – 70 mm with sleek- barreled gauge cylinder bore type of barrel and not-choked ammunition chamber.

### SPECIFICATIONS

Bullet	Rubber ( 2 Pieces )
Weight of Cartridge	21.00 gram
Length of Cartridge	60.00 mm
Velocity ( $V_0$ )	260 m/s
Penetrations at 25 m distance	Should not be penetrate of 3 sheets plywood with a thickness 3 mm



## MU19-BT9 12 GA 00-BUCK



### DESCRIPTION

Used for shotgun shell caliber 12GA - 70 mm with sleek- barreled gauge cylinder bore type of barrel and not-choked ammunition chamber.

### SPECIFICATIONS

Bullet	Lead Antimony ( 9 Pieces )
Weight of Cartridge	44.00 gram
Length of Cartridge	60.00 mm
Velocity ( $V_0$ )	420 m/s
Effective range	54.6 m Max. 18% enter 30 Inchi of target circle. Average of penetrate 3 pieces meranti wood with a thickness 1.5 Inchi



NSN: 1305 45006596

## DESCRIPTION

Used for shotgun shell caliber 12GA – 70 mm with sleek- barreled gauge cylinder bore type of barrel and not-chocked ammunition chamber.

## SPECIFICATIONS

Bullet	Lead Antimony ( Rifle Slug "BRENNEKE )
Weight of Cartridge	41.50 gram
Length of Cartridge	60.00 mm
Velocity ( $V_0$ )	460 m/s
Average Max.Gas Pressure	Max. 3,600 kg/cm <sup>2</sup>
Accuracy at 30 m	Max. Ø 7 Cm (ES)
Penetrations at 20 m distance	Should not be penetrate plywood with a thickness 15 mm

## MU20-TJ Caliber .38 SUPER Auto



NSN: 1305 450002025

### DESCRIPTION

Used for Colt and automatic pistol caliber .38, Thompson sub-machine gun, and so on in similar caliber. Synonym: .38 Super ACP.

### SPECIFICATIONS

Weight of Cartridge	13.16 gram
Length of Cartridge	32.30 mm
Velocity ( $V_{10}$ )	387 m/s
Average Max.Gas Pressure	Max. 2,500 kg/cm <sup>2</sup>
Accuracy at 25 m	Max. Ø 5 Cm (ES)
Barrel length	5 Inchi

## MU37-TJ Caliber .45 Automatic



### DESCRIPTION

Used for Colt M1911, semi automatic pistol M1911A1, and all pistol design M1911; Smith and wesson, star, Obregon, Hafdas, Heckler, and Koch, and so on in similar caliber. Synonym: .45 Auto Colt ; .45 ACP ; 11.43 x 23 mm Norwegian Colt.

### SPECIFICATIONS

Weight of Cartridge	20.80 gram
Length of Cartridge	32.30 mm
Velocity ( $V_0$ )	255 m/s
Average Max. Gas Pressure	Max. 2,600 kg/cm <sup>2</sup>
Accuracy at 46 m	Max. Ø 14 Cm (ES)



## DESCRIPTION

Used for SBC1, a weapon made by PT Pindad (Persero), caliber 5.56x44 mm with barrel length at 12 inch (not recommended for automatic shooting).

## SPECIFICATIONS

Weight of Cartridge	7.30 gram
Length of Cartridge	47.20 mm
Velocity ( $V_0$ )	712 m/s
Accuracy at 50 m	H = Max. 80 cm V = Max. 80 Cm
Penetrations at 50 m distance	Maximum can be penetrate of two sheets plywood with a thickness 3 mm, the distances between plywood 2.5 cm.

## MU42-TJ Caliber 5.56 x 44 mm



### DESCRIPTION

Used for SBC1, a weapon made by PT Pindad (Persero), caliber 5.56 x 44 mm with barrel length at 12 inch.

### SPECIFICATIONS

Weight of Cartridge	11.16 gram
Length of Cartridge	55.00 mm
Velocity ( $V_{12.5}$ )	812 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 100 m	Max. Ø 15 Cm (ES)

4MU3-P + 1MU3-N LINK CIS,  
Caliber 12.7 x 99 mm/.50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Guns, or similar. Synonym: 12.7 x 99 mm Ball ; Armour Piercing (M2) + Tracer (M17) Linked Open Loop M2 (CIS).

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel $\approx$ 16 mm

### MU3-N

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Tracer performance	Visible at 76 m to 2,240 m

4MU3-P + 1MU3-N LINK HBFL,  
Caliber 12,7 x 99 mm/.50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns, or m similar . Synonym: 12.7 x 99 mm Ball ; Armour Piercing (M2) + Tracer (M17) Linked Close Loop Close Loop M2 (HBFL).

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel $\neq$ 16 mm

### MU3-N

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Tracer performance	Visible at 76 m to 2,240 m



4MU3-P + 1MU3-PB-LINK HBFL,  
Caliber 12.7 x 99 mm / .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns, or similar. Synonym: 12.7 x 99 mm Ball ; Armour Piercing (M2) + Armour Piercing Incendery (M8) Linked Close Loop M2 (HBFL).

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≈ 16 mm

### MU3-PB

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Through of Penetration at 150 m	Mild steel ≈ 16 mm

4MU3-P + 1MU3-PBN LINK CIS,  
Caliber 12.7 x 99 mm / .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Guns, or similar. Synonym: 12.7 x 99 mm Ball ; 12.7 x 99 mm Ball ; Armour Piercing (M2) + Armour Piercing Incendery Tracer (M20) Linked Open Loop M2 (CIS).

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≈ 16 mm

### MU3-PBN

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel plate ≈ 16 mm

4MU3-P + 1MU3-PBN LNK HBFL,  
Caliber 12.7 x 99 mm / .50 BROWNING



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, Browning M2, M2HB/QCB Machine Guns, or so on. Synonym: 12.7 x 99 mm Ball ; Armour Piercing (M2) + Armour Piercing Incendery Tracer (M20) Linked Close Loop M2 (HBFL).

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel = 16 mm

### MU3-PBN

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel plate=16 mm



4MU3-P + 1MU3-PN LINK HBFL,  
Caliber 12.7 x 99 mm / .50 BROWNING

## SPECIFICATIONS

MU3-P	
Velocity ( $V_{25}$ )	900 m/s.
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≠ 16 mm
MU3-PN	
Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel plate ≠ 16 mm
Tracer Performance	Visible at 275 m to 1,463 m

4MU3-P + 1MU3-PN LINK CIS,  
Caliber 12.7 x 99 mm/ .50 Browning



## DESCRIPTION

Used for weapon caliber 12.7 x 99 mm, M85 Machine Guns, or similar. Synonym : 12.7 x 99 mm Ball; Armour Piercing(M2) + Armour Piercing Tracer (M17) Linked Open Loop M15 A2 (CIS)

## SPECIFICATIONS

### MU3-P

Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 30 Cm. (ES)
Penetration at 150 m	Mild steel ≈ 16 mm

### MU3-PN

Length of Cartridge	138.43 mm
Velocity ( $V_{25}$ )	900 m/s
Average Max.Gas Pressure	Max. 3,800 kg/cm <sup>2</sup>
Accuracy at 150 m	Max. Ø 40 Cm. (ES)
Penetration at 150 m	ST37 Steel plate=16 mm

MU27- AS Caliber 60 mm CO Smoke  
Mortar Bomb



### SPECIFICATIONS

Weight of Cartridge	1,610 gram
Length of Cartridge	300 mm
Diameter	59.95 mm
Case of Cartridge	Forging Steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charges	TiCl <sub>4</sub>
Operating Range	Min. 50 m. Max. 800 m

MU27-PE Caliber 60 mm CO High  
Explosive Mortar Bomb



NSN: 1305 450001815

## SPECIFICATIONS

Weight of Cartridge	1,610 gram
Length of Cartridge	300 mm
Diameter	59.95 mm
Case of Cartridge	Forging Steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charges	TNT
Operating Range	Min. 50 m. Max. 800 m

MU28-AS Caliber 60 mm LR  
Smoke Mortar Bomb



## SPECIFICATIONS

Weight of Cartridge	1,860 gram
Length of Cartridge	351 mm
Diameter	59.95 mm
Case of Cartridge	Forging Steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charges	TiCl <sub>4</sub>
Operating Range	Min. 200 m. Max. 4,000 m



MU28-LAT A1 Caliber 60 mm LR  
Practice-A1 Mortar Bomb



NSN: 1305 450006599

## DESCRIPTION

Used for training purposes. Possible to reload and reuse the cartridge for 20 times per cartridge.

## SPECIFICATIONS

Weight of Cartridge	1,860 gram
Length of Cartridge	351 mm
Diameter	59.95 mm
Fuze	Dummy
Charges	Dummy
Operating Range	Min. 25 m. Max. 125 m

MU28-LAT A2 Caliber 60 mm LR  
Practice – A2 Mortar Bomb



## DESCRIPTION

Used for training purposes. Produce smoke on the trajectory and have an explosion effect on the target.

## SPECIFICATIONS

Weight of Cartridge	1,750 gram
Length of Cartridge	362 mm
Diameter	59.95 mm
Fuze Cartridge	Smoke Composition and low explosive
Charges	Dummy
Operating Range	Max. 450 m (45°/800‰ elevation)

MU28-PE Caliber 60 mm LR High Explosive Mortar Bomb



NSN: 1305 450001816

## SPECIFICATIONS

Weight of Cartridge	1,860 gram
Length of Cartridge	351 mm
Diameter	59.95 mm
Case of Cartridge	Forging steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charge	TNT
Operating Range	Min. 200 m. Max. 4,000 m

MU29-AS Caliber 81 mm Smoke  
Mortar Bomb



## SPECIFICATIONS

Weight of Cartridge	4,630 gram
Length of Cartridge	489.5 mm
Diameter	80.60 mm
Case of Cartridge	Forging steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charge	TiCl <sub>4</sub>
Operating Range	Min. 100 m. Max. 6,500 m

MU29-LAT A1 Caliber 81 mm Practice  
A1 Mortar Bomb



NSN: 1315 150002710

## DESCRIPTION

Used for training purposes. Possible to reload and reuse the cartridge for 20 times per cartridge.

## SPECIFICATION

Weight of Cartridge	4,630 gram
Length of Cartridge	489.5 mm
Diameter	80.60 mm
Fuze	Dummy
Charges	Dummy
Operating Range	Min. 25 m. Max. 125 m

MU29-LAT A2 Caliber 81 mm Practice  
A2 Mortar Bomb



#### DESCRIPTION

Used for training purposes. Produce smoke on the trajectory and have an explosion effect on the target.

#### SPECIFICATIONS

Weight of Cartridge	4,530 gram
Length of Cartridge	500 mm
Diameter	80.60 mm
Fuze Cartridge	Smoke compositions and low explosives
Charges	Dummy
Operating Range	Max. 650m (45° /800 ‰ elevation)

MU29-PE Caliber 81 mm High Explosive Mortar Bomb



NSN: 1305-450001817

## SPECIFICATIONS

Weight of Cartridge	4,630 gram
Length of Cartridge	489.5 mm
Diameter	80.60 mm
Case of Cartridge	Forging steel
Tail of Cartridge	Aluminum Alloy
Fuze	Point Detonating (super quick & delay)
Charge	TNT
Operating Range	Min. 100 m. Max. 6,500 m

MU30-PE, 40 mm High Explosive  
Cartridge Low Velocity



#### DESCRIPTION

Used for Grenade Launcher M79 and M203 or Grenade Launcher made by PT Pindad (Persero), SPG or SPG 1A

#### SPECIFICATIONS

Type	40 x 46 mm low velocity
Weight of Cartridge	220 gram
Length of Cartridge	103 mm
Fuze	PD / PIBD
Propelling Charge	Smokeless Powder
Operating Range	Min. 275 m.



## MU47-PE, 105 mm Howitzer High Explosives (HE)

### DESCRIPTION

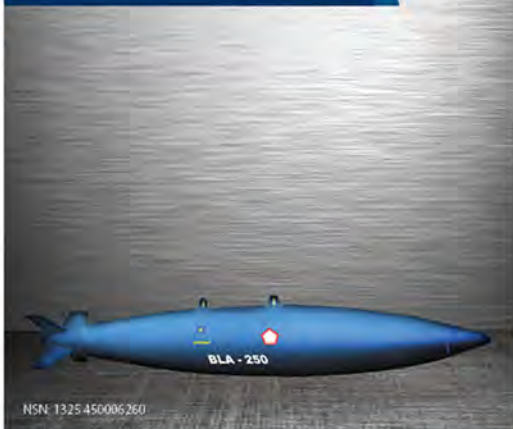
105 mm ammunition is specifically designed for providing curved cross firing. Used for M101/M101A1, M102, LG1 Mk1 & Mk2, 105 KH178, 105/14 L5, NDSB SAKTI 105 mm, M101/33, L119/M119A1, 105 mm T64, M18/61 howitzer.

### SPECIFICATIONS

Type	Semi Fix HE
Weight of Cartridge	Max. 20 kg
Length of Cartridge	789.0 mm
Body Diameter	104.95 mm
Shell Body	Steel
Case of Cartridge	Brass
Charges	TNT
Fuze	Point detonating (super quick & delay)
Muzzle Velocity	465 m/s (M101 A1) for 7 increment charges.
Operating Range	Min.10,000 m (M101 A1)



## Smoke Practice Bomb-250 Kg (BLA-250)



### DESCRIPTION

Using smoke cartridge 30 mm.

### SPECIFICATIONS

Synonym	MK - 82 Practice
Bomb Weight	225 - 240 Kg
Smoke Cartridge Weight	185 - 195 gram
Length	2,295 - 2,315 mm
Body Diameter	270 - 272 mm
Smoke Colour	White
Body Material	Iron Casting
Air Craft Standard	NATO

## CTG30 - AS, 30 mm Smoke Cartridge



NSN: 1305 450002705

### DESCRIPTION

Used on 50 kg and 250 kg Training Smoke Bomb (BLA-50 and BLA-250).

### SPECIFICATIONS

Weight of Cartridge	185 – 195 gram
Length of Cartridge	188 - 192 mm
Case of Cartridge	Aluminum
Charges	TiCl <sub>4</sub>
Emission	Min. 5 second
Smoke	White

## Smoke Practice Bomb – 25 (BL – 25)



### DESCRIPTION

Using smoke cartridge 22 mm.

### SPECIFICATIONS

Synonym	BDU 33
Bomb Weight	10.5 – 11.5 Kg
Smoke Cartridge Weight	85 – 95 gram
Length	585 – 590 mm
Body Diameter	101.5 – 101.7 mm
Smoke Colour	White
Body Material	Iron Casting
Air Craft Standard	NATO

## CTG22 - AS, 22 mm Smoke Cartridge



### DESCRIPTION

Used on 25 kg Training Smoke Bomb (BL-25).

### SPECIFICATIONS

Weight of Cartridge	85 – 95 gram
Length of Cartridge	129.5 – 131.5 gram
Case of Cartridge	Aluminum
Charges	TiCl <sub>4</sub>
Emission	min. 5 second
Smoke	White

## OFAB Aerial Bomb 250 KG (BTN – 250)



### SPECIFICATIONS

Synonym	OFAB 250
Bomb Weight	247 – 259 Kg
Length	1,527 – 1,537 mm
Body Diameter	327 – 329 mm
Explosive Type	TNT
Fuze	AVU-ET (M)
Body Material	Steel Casting
Air Craft Standard	SUKHOI

## NATO Aerial Bomb 250 KG (BT - 250)



NSN: 1325-450006253

## SPECIFICATIONS

Synonym	MK - 82
Bomb Weight	223 - 233 kg
Length	2.269 - 2.279 mm
Body Diameter	270 - 272 mm
Eksplosive Type	TNT
Fuze	M904 & M905
Body Material	Steel Casting
Air Craft Standard	NATO

## NATO Aerial Bomb 500 KG (BT-500)



Synonym	MK – 83
Bomb Weight	465 – 485 Kg
Length	2,810 – 2,820 mm
Body Diameter	354.6 – 356.6 mm
Isian	TNT
Fuze	M904 & M905
Body Material	Steel Casting
Air Craft Standard	NATO



## Smoke Practice Bomb 50 Kg (BLA – 50)



### SPECIFICATIONS

Synonym	P 50 Bomb
Bomb Weight	45 – 55 kg
Length	1,058.5 -1,063.5 mm
Body Diameter	210 mm
Smoke Colour	White
Body Material	Iron Casting
Air Craft Standard	SUKHOI

MU48-H Caliber 75 mm  
BLANK (SALUTE)



## SPECIFICATIONS

Type	Blank Cartridge
Weight of Cartridge	830 gram
Length of Cartridge	184.5 mm
Rim Thickness	3 mm
Case of Cartridge	Aluminum
Charge	Black Powder
Sound Level	Min. 100 dB at 50 m

## GT5 – OFF OFFENSIVE HAND GRENADE



NSN: 1305 450001813

### SPECIFICATIONS

Weight of Cartridge	150 gram
Diameter	50 mm
Case of Cartridge	High Density Polyethylene
Charge	TNT Powder
Delay Time	4-6 second
Safety System	Double, clip and pin.
Safety Range	Radius 30 m (min.)
Sound Level	≥ 90 dB at 30 m

## GT5 – PE A2 DEFENSIVE HAND GRENADE



### SPECIFICATIONS

Weight of Cartridge	430 gram
Diameter	50 mm
Case of Cartridge	Steel Casting
Charge	TNT Powder
Delay Time	4-6 second
Safety System	double, clip and pin.
Safety Range	Radius 30 m (min.)
Number of Fragment	min. 100 pcs, with a fragment weight $\geq 0.5\text{gr}$

MU10-IC (M/O/H/P) Signal  
Cartridge 25.4 mm



#### DESCRIPTION

Used for flare guns caliber 25.4 mm.

#### SPECIFICATIONS

Weight of Cartridge	35 - 45 gram
Emission Time	Min 4 s
Case of Cartridge	Aluminum
Charge	Pyrotechnic Composition
Light Intensity	Visible at the distance due 1 Km at daylight and 3 Km at night

## MU24-AR Caliber 38 mm Tear Gas CS Powder



### DESCRIPTION

Used for sleek-barreled weapon SLC (SAR-1/SAR-2).

### SPECIFICATIONS

Weight of Cartridge	± 110 gram
Length of Cartridge	123 mm
Rim Diameter	42.40 mm
Rim Thickness	3.8 mm
Case of Cartridge	Plastic
Charge	Pyrotechnic Composition
Range 20 <sup>0</sup> – 30 <sup>0</sup>	Min. 70 m
Delay Time	2.5 – 4 s
Safety Distance	Min. 5 m

MU24-AR A1 Caliber 38 mm Tear  
Gas CS Smoke



#### DESCRIPTION

Used for sleek-barreled weapon SLC (SAR-1/  
SAR-2).

#### SPECIFICATIONS

Weight of Cartridge	± 110 gram
Length of Cartridge	123 mm
Rim Diameter	42.40 mm
Rim Thickness	3.8 mm
Case of Cartridge	Plastic
Charge	Pyrotechnic Composition
Range 20 <sup>0</sup> – 30 <sup>0</sup>	Min. 70 m
Emission Time	Min. 20 s

MU24-AR A2 Caliber 38 mm  
Tear Gas CS Smoke



#### DESCRIPTION

Used for sleek-barreled weapon SLC (SAR-1/ SAR-2).

#### SPECIFICATIONS

Weight of Cartridge	± 190 gram
Length of Cartridge	123 mm
Rim Diameter	42.40 mm
Rim Thickness	3.6 mm
Case of Cartridge	Aluminum
Charge	Pyrotechnic Composition
Range 25 <sup>0</sup> – 35 <sup>0</sup>	Min. 100 m
Emission Time	Max. 25 s



MU53-AR A1 Caliber 44 mm Tear  
Gas CS Smoke



## DESCRIPTION

Used for sleek-barrelled weapon caliber 44 mm

## SPECIFICATIONS

Weight of Cartridge	± 127 gram
Case of Cartridge	Plastic (yellow)
Charge	CS Smoke Composition
Range 20 <sup>0</sup> – 30 <sup>0</sup>	Min. 50 m
Emission Time	Min. 20 s

MU53-AR Caliber 44 mm Tear  
Gas CS Powder



#### DESCRIPTION

Used for sleek-barrelled weapon caliber 44 mm

#### SPECIFICATIONS

Weight of Cartridge	± 117 gram
Case of Cartridge	Plastic (red)
Charge	CS Powder Composition
Range 20° – 30°	Min. 50 m
Delay Time	1 – 2 s
Safety Distance	Min. 5 m

## CoSAT (Cloud Seeding Agent Tube) 1000



### DESCRIPTION

Used to increase or decrease rainfall rate, cloud depletion, thinning smoke and forest fires.

### SPECIFICATIONS

Weight of Cartridge	$\pm 1000$ gram
Length of Cartridge	$\pm 304$ mm
Diameter	$\pm 60$ mm
Charge	Pyrotechnic Composition
Emission Time	Min. 3 minutes

GL66 - AS A2 CAL. 66 mm Screening  
Smoke Launcher Grenade



#### DESCRIPTION

Used on combat vehicle type which provided with Cal. 66 mm Grenade Launcher.

#### SPECIFICATIONS

Weight of Cartridge	± 400 gram
Case of Cartridge	Aluminum
Charge	Pyrotechnic Composition
Ignition System	Electric
Smoke Type	White Screening
Emission Time	Min. 30 s

## GT5 – FB Caliber 50 mm Flash Bang Hand Grenade



NSN: 1330 450006601

### DESCRIPTION

Used by thrown into air.

### SPECIFICATIONS

Weight of Cartridge	± 390 gram
Case of Cartridge	Steel
Charge	Explosive Composition
Sound Level	Min. 100 dB at 15 m
Light Intensity	Min. 6000 cd at 1 m
Delay Time	1 – 2 s

## GT6 – AS Caliber 60 mm Smoke Hand Grenade



### DESCRIPTION

Used by thrown into air.

### SPECIFICATIONS

Weight of Cartridge	250 - 425 gram
Case of Cartridge	Aluminum
Charge	Pyrotechnic Composition (smoke)
Colour of Smoke	Red, Blue, Yellow, Orange, Violet, Green, White
Emission Time	20 – 120 s
Delay Time	2 – 5 s

Demolition Charge TNT 60 Grams  
DC - T60



NSN: 1375 450002048

## SPECIFICATIONS

Shape	Cylinder
Length	53 mm
Diameter	31.4 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	60 gram

Demolition Charge TNT 75 Grams  
DC – T75



## SPECIFICATIONS

Shape	Cylinder
Length	66 mm
Diameter	31.4 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	75 gram



Demolition Charge TNT 100 Grams  
DC-T100



## SPECIFICATIONS

Shape	Cylinder
Length	88 mm
Diameter	31.4 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	100 gram

Demolition Charge TNT 130 Grams  
DC - T130



### SPECIFICATIONS

Shape	Cylinder
Length	108.5 mm
Diameter	32 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	130 gram

Demolition Charge TNT 160 Grams  
DC - T160



## SPECIFICATIONS

Shape	Cylinder
Length	136 mm
Diameter	31.4 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	160 gram

Demolition Charge TNT 225 Grams  
DC – T225



## SPECIFICATIONS

Shape	Block
Length	52 mm
Wide	41.5 mm
Height	71 mm
Detonator Hole	Ø 6.8 mm
Depth Detonator Hole	37 mm
Weight	225 gram

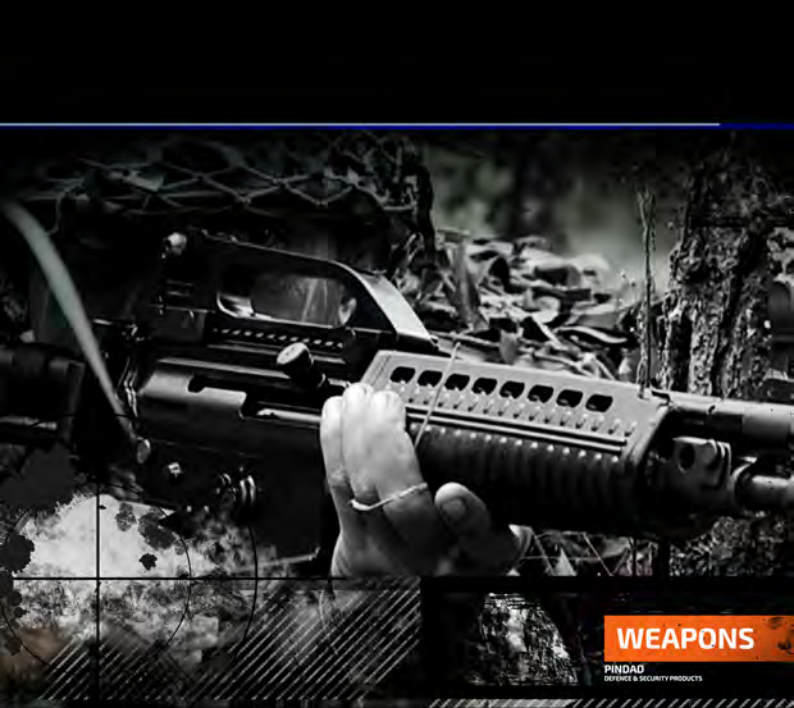
Demolition Charge TNT 500 Grams  
DC – T500



## SPECIFICATIONS

### 1. DC – T500

Shape	Block
Length	144.3 mm
Wide	77.3 mm
Height	36.3 mm
Detonator hole	Ø 6.8 mm
Weight	500 gram



## WEAPONS

PINDAO  
DEFENCE & SECURITY PRODUCTS



## SPECIFICATIONS

Caliber	9 x 19 mm Parabellum
Capacity	15 Rounds
Operating Principle	» Single Action » Semi Automatic
Weight	0.93 kg
Length	200 mm
Barrel length	4.5 inch
Height	136 mm
Sight	Fixed
Safety	Hammer Lock
Effective Range	25 m
Rifling	6 Grooves, RH 250 mm/twist

## PISTOL G2 ELITE



www.hobas-450062717

## SPECIFICATIONS

Caliber	9 x 19 mm Parabellum
Capacity	15 Rounds
Operating Principle	» Single Action » Semi Automatic
Weight	1.0 kg
Length	221 mm
Barrel length	5 inch
Height	140 mm
Sight	
• Front	» Fixed
• Rear	» Adjustable Rear Sight
Safety	Hammer Lock
Effective Range	25 m
Rifling	6 Grooves, RH 250 mm/twist



## PISTOL P3 - A



7039 1605 450001723

### SPECIFICATIONS

Caliber	7.65 x 17 mm
Capacity	12 Rounds
Weight	0.794 kg
Barrel length	102 mm
Sight	
• Front	» Square integral with slide
• Rear	» Square notch dovetailed to slide
Effective Range	15 m
Rifling	4 Grooves, Right hand twist
Type of Fire	Double action
Ammunition	MU15-TJ 7.65 mm (.32 ACP)



N59-1005 450006567

## SPECIFICATIONS

Caliber	9 x 19 mm Parabellum
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Operating Principle	Blowback
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Weight without magazine	2.90 kg
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Length

• Stock Extended	» 625 mm
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• Stock Folded	» 420 mm
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Barrel

• Length	» 195 mm
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• Rifling	» 6 Grooves RH 250 mm (10") twist
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Sight	Adjustable
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Effective Range	75 m
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Rate of Fire	1000 - 1100 rpm
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Mode of Fire	» Safe
	» Single Shot
	» Full Automatic

PM2 - V2



## SPECIFICATIONS

Caliber	9 x 19 mm Parabellum (MU1-TJ)
Operating Principle	Blowback
Weight without magazine	3.20 kg
Length	
• Stock Extended	» 720 mm
• Stock Folded	» 515 mm
Barrel Length	145 mm
Sight	Adjustable
Effective Range	75 m
Rate of Fire	1000 - 1100 rpm
Muzzle Velocity	370 m/s
Mode of Fire	» Safe » Single Shot » Full Automatic

SAR-2



ИДН ТИИД 450001728

## SPECIFICATIONS

Caliber	38 mm
Operating Principle	Manual
Weight	2.36 kg
Total Length	763 mm
Width	54 mm
Barrel Length	360 mm

### Sight

- Front Sight » Fixed
- Rear Sight » Foldable

Effective Range	125 m
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Type of Fire	Double Action
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Ammunition	» MU 38 mm AR1 (Tear Gas)
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	» MU 38 mm (Kartet)
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SPG1 - A / SPG1 - V2



HSN T330 450006562

## SPECIFICATIONS

Caliber	40 mm
Operating Principle	» Brake Open » Single Shot
Feeding System	Manual Loading
Total Weight	1.6 kg
Trigger Force	2.3 kg
Total Length	394 mm
Barrel length	305 mm
Sight	Quadrant sight for distance 50 to 350 m (graduated in 25 m)
Maximum Range	350 m
Rifling	6 Grooves, RH 1225 mm (5°55')
Muzzle Velocity	75 m/s

## SPG1 - V3



NSR 1010 450002733

## SPECIFICATIONS

Caliber	40 mm
Operating Principle	» Brake Open » Single Shot
Feeding System	Manual Loading
Total Weight	1.2 kg
Trigger Force	2.3 kg
Total Length	298 mm
Barrel length	200 mm
Sight	Quadrant sight for distance 50 to 350 m (graduated in 25 m)
Maximum Range	350 m
Rifling	6 Grooves, RH 1225 mm (5°55')
Muzzle Velocity	75 m/s

## SPG1 - V4



SPG1 1010 AS0002734

## SPECIFICATIONS

Caliber	40 mm
Operating Principle	» Brake Open » Single Shot
Feeding System	Manual Loading
Total Weight	1.7 kg
Trigger Force	2.3 kg
Total Length	394 mm
Barrel length	305 mm
Sight	Quadrant sight for distance 50 to 350 m (graduated in 25 m)
Maximum Range	350 m
Rifling	6 Grooves, RH 1225 mm (5°55')
Muzzle Velocity	75 m/s

SPR - 2



WSN: 1005.450006565

## SPECIFICATIONS

Caliber	12.7 x 99 mm
Capacity	5 Rounds
Operating Principle	Bolt Action / Repeater
Total Weight	19.5 kg
Total Length	1755 mm
Barrel length	1055 mm
Sight	Optical
Effective Range	2000 m
Rifling	8 Grooves, RH 381 mm (15") twist
Picanity Rail	Optional



SPR - 3



## SPECIFICATIONS

Caliber	7.62 x 51 mm
Capacity	10 Rounds
Operating Principle	Bolt Action / Repeater
Weight	6.94 kg
Total Length	1250 mm
Barrel	
• Length	12" / 304.8 mm
• Rifling	4 Grooves, RH
• Telescope	» Bullet Drop Adjuster » 3.5 - 10 x magnification
Effective Range	900 m
Muzzle Velocity	800 - 810 m/s



## MAG 4

### SPECIFICATIONS

Caliber : 9x19 mm Parabellum

Feed : 15 rounds box magazine

Barrel Length : 4 inch

Length : 180 mm

Weight : 0.9 kg

Sight : Fixed

Safety : Hammer lock

Operation : - Single action  
- Semi automatic

High : 136 mm

Effective range : 15 m

Rifling : 6 grooves,  
RH 250 mm/twist

## SS1 - M1



MG-100 43002729

### SPECIFICATIONS

Caliber : 5.56 x 45 mm

#### Weight

Empty Magazine : 4.02 kg

Full Magazine : 4.38 kg

(30 Rounds)

#### Length

Stock Extended : 970 mm

Stock Folded : 753 mm

#### Barrel

Length : 449 mm

Rifling : 6 Grooves, RH 177.8 mm (7") twist

Effective Range : 400 m

#### Rate of Fire

Cyclic : 720 - 760 rpm

Effective automatic fire : 120-200 rpm

## SS1 - M2



FORM 1-02-4500023M

### SPECIFICATIONS

---

Caliber	5.56 x 45 mm
---------	--------------

---

#### Weight

- Empty Magazine » 3.91 kg
  - Full Magazine (30 Rounds) » 4.27 kg
- 

#### Length

- Stock Extended » 890 mm
  - Stock Folded » 666 mm
- 

#### Barrel

- Length » 363 mm
  - Rifling » 6 Grooves, RH 177.8 mm (7") twist
- 

#### Rate of Fire

- Cyclic » 720 - 760 rpm
  - Effective automatic fire » 120 - 200 rpm
  - Effective single shot » 60 rpm
-



## SPECIFICATIONS

Caliber	7.62 x 45 mm
Weight	
• Empty Magazine	» 3.75 kg
• Full Magazine (13 Rounds)	» 3.95 kg
Length	
• Stock Extended	» 920 mm
• Stock Folded	» 666 mm
Barrel	
• Length	» 363 mm
• Rifling	» 4 Grooves, RH 304.8 mm (12") twist
Effective Range	300 m
Rate of Fire	
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm
Mode of Fire	» Single shot » 3 round burst » Safe



## SPECIFICATIONS

Caliber	7.62 x 45 mm
Weight	
• Empty Magazine	» 3.34 kg
• Full Magazine (13 Rounds)	» 3.54 kg
Length	
• Stock Extended	» 790 mm
• Stock Folded	» 577 mm
Barrel	
• Length	» 247 mm
• Rifling	» 4 Grooves, RH 304.8 mm (12") twist
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm
Mode of Fire	» Single shot » 3 round burst » Safe

## SG - 1 (12 GAUGE)



NSN: 1005 450002085

### SPECIFICATIONS

Weight	3.05 kg
Barrel length	564 mm
Magazine Cap	4 + 1
System	Gas operated
Choke	Extended
Plate	Chrome
Stock	Walnut
Ammunition	» Rubber Cartridge (Effective range 50 m)  » Signal Cartridge (MU19 - BT9) (Effective range 100



## SPECIFICATIONS

---

Caliber 5.56 x 45 mm

---

### Weight

- Empty Magazine » 3.55 kg
  - Full Magazine (30 Rounds) » 3.91 kg
- 

### Length

- Stock Extended » 776 mm
  - Stock Folded » 552 mm
- 

### Barrel

- Length » 249 mm
  - Rifling » 6 Grooves, RH 177.8 (7") twist
- 

Effective Range 200 m

---

### Rate of Fire

- Cyclic » 720 - 760 rpm
  - Effective automatic fire » 120 - 200 rpm
  - Effective single shot » 60 rpm
-





## SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 4.02 kg
• Full Magazine (30 Rounds)	» 4.38 kg
Length	
• Stock Extended	» 970 mm
• Stock Folded	» 753 mm
Barrel	
• Length	» 449 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Effective Range	400 m
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm

## SS1 - V2



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### SPECIFICATIONS

---

Caliber	5.56 x 45 mm
---------	--------------

---

#### Weight

- Empty Magazine » 3.93 kg
  - Full Magazine (30 Rounds) » 4.29 kg
- 

#### Length

- Stock Extended » 910 mm
  - Stock Folded » 666 mm
- 

#### Barrel

- Length » 363 mm
  - Rifling » 6 Grooves, RH 177.8 (7") twist
- 

#### Rate of Fire

- Cyclic » 720 - 760 rpm
  - Effective automatic fire » 120 - 200 rpm
  - Effective single shot » 60 rpm
-



## SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 3.37 kg
• Full Magazine (30 Rounds)	» 3.73 kg
Length	
• Stock Extended	» 770 mm
• Stock Folded	» 557 mm
Barrel	
• Length	» 252 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm

## SSZ - V1



### SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 3.95 kg
• Full Magazine (30 Rounds)	» 4.31 kg
Length	
• Stock Extended	» 985 mm
• Stock Folded	» 742 mm
Barrel	
• Length	» 460 mm
• Rifling	» 6 Grooves, RH 177.8 (7") mm
Effective Range	400 m
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm



## SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 5.20 kg
• Full Magazine (30 Rounds)	» 4.84 kg
Length	
• Stock Extended	» 1,026 mm
• Stock Folded	» 782 mm
Barrel	
• Length	» 500 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Effective Range	400 m
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm

## SS2 - V2



MS-108-25000721

### SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 3.82 kg
• Full Magazine (30 Rounds)	» 4.18 kg
Length	
• Stock Extended	» 930 mm
• Stock Folded	» 686 mm
Barrel	
• Length	» 403 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Effective Range	300 m
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm



## SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 4.23 kg
• Full Magazine (30 Rounds)	» 4.59 kg
Length	
• Stock Extended	» 932 mm
• Stock Folded	» 685 mm
Barrel	
• Length	» 403 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Effective Range	300 m
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm



## SPECIFICATIONS

Caliber	: 5.56 x 45 mm
Weight	
• Empty Magazine	: 4.84 kg
• Full Magazine (30 Rounds)	: 5.20 kg
Length	
• Stock Extended	: 1026 mm
• Stock Folded	: 782 mm
Barrel	
• Length	: 500 mm
• Rifling	: 6 Grooves, RH 177.8 mm (7") twist
Sight	: - Adjustable Mechanical Sight - Optical Sight 4 x magnification (Optional)
Effective Range	
• Optical Sight	: 600 m
• Mechanical Sight	: 400 m
Rate of Fire	
• Cyclic	: 720 - 760 rpm
• Effective automatic fire	: 120 - 200 rpm
• Effective single shot	: 60 rpm





## SPECIFICATIONS

---

Caliber 5.56 x 45 mm

---

### Weight

- Empty Magazine » 3.98 kg
  - Full Magazine (30 Rounds) » 4.34 kg
- 

### Length

- Stock Extended » 1026 mm
  - Stock Folded » 782 mm
- 

### Barrel

- Length » 500 mm
  - Rifling » 6 Grooves, RH 177.8 (7") twist
- 

### Effective Range

- Optical Sight » 600 m
  - Mechanical Sight » 400 m
- 

### Rate of Fire

- Cyclic » 720 - 760 rpm
- Effective automatic fire » 120 - 200 rpm
- Effective single shot » 60 rpm



## SPECIFICATIONS

---

Caliber	5.56 x 45 mm
---------	--------------

---

### Weight

- Empty Magazine » 3.35 kg
  - Full Magazine (30 Rounds) » 3.71 kg
- 

### Length

- Stock Extended » 750 mm
  - Stock Folded » 525 mm
- 

### Barrel

- Length » 255 mm
  - Rifling » 6 Grooves, RH 177.8 (7") twist
- 

Sight	Adjustable Mechanical sight
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Effective Range	200 m
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---

### Rate of Fire

- Cyclic » 720 - 760 rpm
  - Effective automatic fire » 120 - 200 rpm
  - Effective single shot » 60 rpm
-



## SPECIFICATIONS

Caliber	5.56 x 45 mm
Weight	
• Empty Magazine	» 3.51 kg
• Full Magazine (30 Rounds)	» 3.87 kg
Length	
• Stock Extended	» 745 - 810 mm
• Stock Folded	» 540 mm
Barrel	
• Length	» 255 mm
• Rifling	» 6 Grooves, RH 177.8 (7") twist
Effective Range	200 m
Rate of Fire	
• Cyclic	» 720 - 760 rpm
• Effective automatic fire	» 120 - 200 rpm
• Effective single shot	» 60 rpm

SM2 - V1



NSN: 1005 450002580

## SPECIFICATIONS

Caliber	7.62 x 51 mm
Feed	Link Belt
Operating Principle	Gas, Automatic
Weight	With butt and bipod 11.60 kg
Length	1275 mm
Barrel Length	545 mm
Sight	Fore, blade, rear, aperture when leaf is lowered, u-notch when leaf is raised
Effective Range	1000 m
Rate of Fire	650 - 1000 rpm
Muzzle Velocity	840 m/s

SM2 - V2



NSN: 1005 450002581

## SPECIFICATIONS

Caliber	7.62 x 51 mm
Feed	Link Belt
Operating Principle	Gas, Automatic
Weight	With coaxial 12 kg
Length	1070 mm
Barrel Length	587 mm
Sight	Fore, blade, rear, aperture when leaf is lowered, u-notch when leaf is raised
Effective Range	1000 m
Rate of Fire	700 - 1200 rpm
Muzzle Velocity	840 m/s

Mo - 1



NSN: 1010-450002585

## SPECIFICATIONS

Caliber	60 mm Commando
Weight	6 kg
Length	400 mm
Overall Length	569 mm
Diameter outside Barrel	66 mm
Range	Max. 800 m



NSN: 1010 450002586

## SPECIFICATIONS

Caliber	60 mm Long Range
Weight	
• Total Weight	18.5 kg
• Barrel and Breech Piece	7.8 kg
• Bipod	5.2 kg
• Baseplate	4.5 kg
• Sight	1.1 kg
Sight Instrument Accuracy	1 mil
Diameter Breech Piece	320 x 90 mm
Overall Length of Barrel	855 mm
Range	4000 m



NSN: 1010 450002567

## SPECIFICATIONS

Caliber	81 mm
Barrel Assembly Length	1472 mm SB
Bipod Assembly Length (Folded)	960 mm
Bipod Assembly Weight	13.26 kg
Baseplate Weight	13.25 kg
Sight Instrument Accuracy	1 mil
Sight Instrument Weight	1.54 kg
Max. Working Pressure (Piezo)	1050 kg/cm <sup>2</sup>
Weight of Complete Mortar	53 kg
Range	Max. 6500 m





## VEHICLES

PINDAD  
DEFENSE & SECURITY PRODUCTS



ANOVA 6x6 APC (ARMORED  
PERSONNEL CARRIER) TYPE

#### SPECIFICATIONS

Configuration	6x6
Crew	2 + 10 persons
Length	6 m
Width	2.5 m
Height	2.7 m
Empty Weight	12.5 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>
Weapon	<ul style="list-style-type: none"> <li>➤ 12.7 mm</li> <li>➤ 7.62 mm</li> <li>➤ RCWS</li> </ul>



## ANOA 6x6 COMMAND TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	2 + 5 persons
Length	6 m
Width	2.5 m
Height	2.7 m
Empty Weight	13 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF"</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>



## ANOA 6x6 MORTAR TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	2 + 4 persons
Length	6 m
Width	2.5 m
Height	2.2 m
Empty Weight	13 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>
Special Equipment	<ul style="list-style-type: none"> <li>➤ Mortar 81mm equipped with recoil system</li> <li>➤ Ammunition rack</li> <li>➤ Hydraulic-operated roof door</li> </ul>



NSN: 2350450006246

## ANOA 6x6 RECOVERY TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	2 + 3 persons
Length	6 m
Width	2.5 m
Height	2.7 m
Empty Weight	13 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>
Special Equipment	<ul style="list-style-type: none"> <li>➤ Boom crane max. 6 ton</li> <li>➤ Hydraulic winch 15 ton</li> <li>➤ Hydraulic jack stand</li> </ul>



## ANOA 6x6 AMBULANCE TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	2 + 5 persons
Length	6 m
Width	2.5 m
Height	2.4 m
Empty Weight	13 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>
Special Equipment	<ul style="list-style-type: none"> <li>➤ Maximum 3 stretchers</li> <li>➤ Medical Equipment, such as oxygen and cardiac pacemakers.</li> </ul>



## ANOA 6x6 LOGISTIC TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	2 + 4 persons
Length	6 m
Width	2.5 m
Height	2.7 m
Empty Weight	13 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>
Special Equipment	<ul style="list-style-type: none"> <li>➤ Fuel rack</li> <li>➤ Ammunition rack</li> <li>➤ Maintenance/ sparepart</li> </ul>



## ANOA 6x6 AMPHIBIOUS TYPE

### SPECIFICATIONS

Configuration	6x6
Crew	10 persons
Length	7.6 m
Width	2.5 m
Height	2.67 m
Empty Weight	12.7 ton
Fuel Capacity	260 L
Speed	80 km/h on highway 30 km/h on off road 10 km/h in water
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 320 HP
Transmission	Automatic
Communication	Intercom Set





## SPECIFICATIONS

Configuration	6x6
Crew	3 persons
Length	6 m
Width	2.7 m
Height	2.7 m
Empty Weight	14 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	600 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in line 6 cylinder 340 HP with Turbo Charger Intercooler
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF"</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>



## KOMODO RECON TYPE

### SPECIFICATIONS

Configuration	4x4
Crew	4 persons
Length	5.43 m
Width	2.3 m
Height	2.2 m
Empty Weight	7.5 ton
Fuel Capacity	165 L
Speed	80 km/h on highway 30 km/h on off road
Range	450 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in Line 4 cylinder 215 HP With Turbo Charger Intercooler
Transmission	Automatic
Communication	<ul style="list-style-type: none"> <li>➤ Vehicle Radio VHF &amp; HF</li> <li>➤ Intercom Set</li> <li>➤ GPS</li> <li>➤ Driver Thermal Vision</li> </ul>



## KOMODO MISSILE LAUNCHER TYPE

### SPECIFICATIONS

Configuration	4x4
Crew	4 persons
Length	6.3 m
Width	2.3 m
Height	2.4 m
Empty Weight	7.5 ton
Fuel Capacity	150 L
Speed	80 km/h on highway 30 km/h on off road
Range	450 km
Gradient	60% ( $\pm 31^0$ )
Side Slope	30% ( $\pm 17^0$ )
Power Plant	Diesel Engine in Line 4 cylinder 215 HP With Turbo Charger Intercooler
Transmission	Manual
Communication	Intercom Set



## KOMODO BATTERING RAM TYPE

### SPECIFICATIONS

Configuration	4x4
Crew	2 + 8 persons
Length	5.9 m
Width	2.3 m
Height	2.4 m
Empty Weight	7.5 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	450 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in Line 4 cylinder 215 HP
Transmission	Manual
Communication	Intercom Set



## KOMODO APC POLICE TYPE

### SPECIFICATIONS

Configuration	4x4
Crew	2 + 10 persons
Length	5.8 m
Width	2.3 m
Height	2.4 m
Empty Weight	7.5 ton
Fuel Capacity	200 L
Speed	80 km/h on highway 30 km/h on off road
Range	450 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine in Line 4 cylinder 215 HP With Turbo Charger Intercooler
Transmission	Manual
Communication	Intercom Set



## WATER CANNON TYPE PWC25

### SPECIFICATIONS

Configuration	4x4
Crew	6 persons
Length	7.7 m
Width	2.5 m
Height	3.2 m
Empty Weight	7.5 ton
Water Tank Capacity	2500 L
Maximum Speed	80 km/h
Shooting Range	50 m
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Engine	Water Cooled Diesel Engine
Transmission	Manual
Communication	Intercom Set



## SPECIFICATIONS

Configuration	Track Vehicle
Crew	3 persons
Length	7 m
Width	3.2 m
Height	2.7 m
Maximum Speed	70 km/h
Range	450 km
Gradient	60% ( $\pm 31^\circ$ )
Side Slope	30% ( $\pm 17^\circ$ )
Power Plant	Diesel Engine
Transmission	Automatic
Communication	Vehicle Radio VHF & HF, Intercom set, Driver Vision, GPS
Weapon	Turret 105 mm, Smoke Grenade, Coaxial 7.62 mm machine gun



## SANCA

### SPECIFICATIONS

Configuration	4x4
Length	7.18 m
Width	2.48 m
Height	2.65 m
Weight (GVM)	15.4 ton
Fuel Capacity	300 L + 19 L
Fording	Up to 60%
Gradient	17.7 m
Side Slope	Under hull 430 mm
Vertical obstacle	36 static
Ground Clearance	1,200 mm no preparation
Power Plant	Diesel Engine
Transmission	Manual





## **PT. PINDAD (PERSERO)**

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