

AMMUNITION

Reliable NATO and Russian Caliber Ammunition



CATALOGUE

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Ammunition Manufacturing Facility

- Small Caliber Ammunition Manufacturing Facility, Verna Industrial Estate, Goa, India, spread over 8,000 Sq. Meters with In-house test facility and range.
- Capacity to manufacture 80 Million rounds per annum of the following Calibers:
- 9 x 19 mm, 5.56 x 45 mm, 7.62 x 39 mm, 7.62 x 51 mm, 7.62 x 54R, 8.6 x 70 mm, 12.7 x 99 mm, 12.7 x 108 mm.
- Ammunition manufactured to NATO Military Standards.
- Hughes is a major supplier to military forces worldwide.

The World's Fastest and Most Accurate Ammunition Inspection System

High speed comprehensive inspection system that detects all critical defects per MIL-STD-636



Eight camera inspection system for case defect detection



Six high powered LED lighting system for part illumination

- Lengths
- Diameters
- Tapers
- Radii
- Head Space
- Mouth Diameter
- Virtual Full Form
- Case Defects; Dents, Scratches, Perforations, Taper Folds
- Min / Max Material
- Theoretical Intersections
- Perpendicularity
- Straightness
- Primer Pocket Diameter
- Extractor Groove Diameter
- Primer Pocket Depth & Anvil Height
- Measures: Bullets, Projectiles, Cases, Cartridges. Mouth Vision, Primer Vision,
- 3D Primer
- Depth Vision
- Eddy-Current for Metallurgical Variations



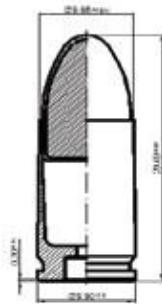
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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM19124

Cal 9 x 19 mm FMJ

Case		Primer	
Material:	Brass CuZn28	Material:	Small pistol, boxer, non corrosive
Weight:	~3.9 g	Weight:	0.23 g
Length:	19.10 mm	Length:	3.10 mm



Projectile FMJ

Material:	Jacket – Tombac CuZn10, Core – Lead antimony
Weight:	~8.0 g / 124 gr
Length:	15.8 mm
Propelling charge:	Smokeless, single base, flake powder (0.40g)

Packing

- 50 rounds in cardboard box
- 20 cardboard boxes (1000 rounds) in metal box M2A1
- 2 metal boxes (2000 rounds) in wire bound wooden box

Cartridge

Weight with bullet: ~12.53 g





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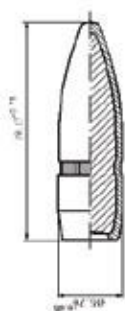
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Part Number - HPM556M193

Cal 5.56 x 45 mm M193 Ball



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	6.10 g	Weight:	0.23 g
Length:	44.70 mm	Length:	3.10 mm



Projectile M 193 (Ball)

Material:	Full Metal Jacket - Tombac (CuZn10), with lead core
Weight:	~3.56 g / 55 gr
Length:	19.17 mm
Propelling charge:	Spherical (1.64 g)

Packing (Option 01)

20 rounds in cardboard box

50 cardboard boxes in metal box M2A1

2 metal boxes (2000 rounds) in wire bound wooden box

Packing (Option 02)

20 rounds in cardboard box

10 cardboard boxes (200 rounds) in PVC bag

10 PVC (2000 rounds) bags in woodenbox

Cartridge

Weight with bullet: 11.5 g





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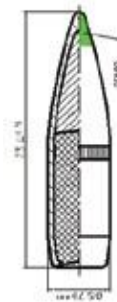
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Part Number - HPM556M855

Cal 5.56 x 45 mm M 855 Ball (SS109)



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	6.10g	Weight:	0.23g
Length:	44.70mm	Length:	3.10mm



Projectile M 855 Ball (SS109)

Material:	Jacket – Tombac (CuZn10), Core 1 – Lead antimony, Core 2 - Steel
Weight:	~4.00 g / 62 gr
Length:	23.4mm
Propelling charge:	Spherical (1.60g)

Packing

20 rounds in cardboard box

50 cardboard boxes in metal box M2A1

2 metal boxes (2000 rounds) in wire bound wooden box

Cartridge

Weight with bullet: ~11.9 g





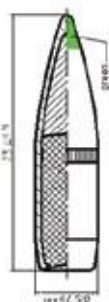
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Part Number - HPM556L

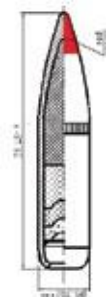
5.56 LINKED 4:1 (4 BALL & 1 TRACER)

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	6.10g	Weight:	0.23g
Length:	44.70mm	Length:	3.10mm



Projectile SS109/M855

Material:	Jacket - Tombac (CuZn10), Core 1 - Lead antimony, Core 2 - Steel
Weight:	~4.00 g / 62 gr
Length:	23.4mm
Propelling charge:	Spherical (1.60g)



Tracer M856

Material:	Jacket - Tombac (CuZn10), Core - Lead antimony, Tracer - Tracer comp
Weight:	~3.92 g / 61 gr
Length:	28.45mm
Propelling charge:	Spherical (1.36g)

Packing

- 200 rounds in metal link belt (M27)
- 4 metal link belts in metal box M2A1 (800 rounds)
- 2 metal boxes wire bound wooden box (1600 rounds)





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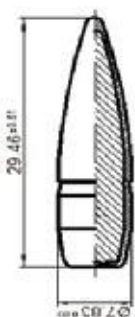
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Part Number - HPM751M80

Cal 7.62 x 51 mm M80 Ball



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	~11.50 g	Weight:	0.34g
Length:	51.18 mm	Length:	3.30 mm



Projectile M 80 (FMJ / BALL)

Material:	Jacket – Tombac (CuZn10), Core – Lead antimony
Weight:	~9.67 g / 149 gr
Length:	29.46 mm
Propelling charge:	NCD powder (2.85g)

Packing (Option 01)

- 20 rounds in cardboard box
- 10 cardboard boxes (200 rounds) in PVC bag
- 5 PVC bags in wooden case

Packing (Option 02)

- 20 rounds in cardboard box
- 28 cardboard boxes (560 rounds) in metal box M2A1
- 2 metal boxes (1120 rounds) in wire bound wooden box

Cartridge

- Weight with bullet: ~24.34 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM751AP



Cal 7.62 x 51 mm AP

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	~11.50 g	Weight:	0.34g
Length:	51.18 mm	Length:	3.30 mm



Projectile AP

Material:	Jacket – Tombac (CuZn10), Core1 - Steel, Core2 – Leadantimony
Weight:	9.75 g / 150 gr
Length:	32.2 mm
Propelling charge:	NCD powder (2.82g)

Packing (Option 01)

- 20 rounds in cardboard box
- 10 cardboard boxes (200 rounds) in PVC bag
- 5 PVC bags in woodencase

Packing (Option 02)

- 20 rounds in cardboard box
- 28 cardboard boxes (560 rounds) in metal box M2A1
- 2 metal boxes (1120 rounds) in wire bound wooden box

Cartridge

- Weight with bullet: ~24.4 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM751L

Cal 7.62 x 51 mm Linked 4:1



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	11.50 g	Weight:	0.34 g
Length:	51.18 mm	Length:	3.30 mm



Projectile AP

Material:	Jacket – Tombac (CuZn10), Core1 - Steel, Core2 – Leadantimony
Weight:	9.75 g / 150 gr
Length:	32.2 mm
Propelling charge:	NCD powder (2.82 g)



Projectile Tracer

Material:	Jacket – Tombac, Core – Lead antimony, Tracer – Tracer compos.
Weight:	~9.46 g / 146 gr
Length:	34.29 mm
Propelling charge:	NCD powder (2.80 g)

Packing

- 250 rounds in metal link belt M13
- 2 metal link belts in metal box M2A1
- 2 metal boxes M2A1 (1000 rounds) in wire bound wooden box





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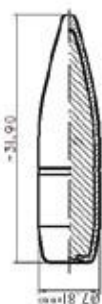
Reliable NATO & Russian Caliber Ammunition

Part Number - HPM751M118



Cal 7.62 x 51mm M118

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	11.50g	Weight:	0.34g
Length:	51.18mm	Length:	3.30mm



Projectile M 118

Material:	Jacket – Tombac(CuZn10), Core - Lead antimony
Weight:	~10.9 g / 168 gr
Length:	~31.9 mm
Propelling charge:	NCD powder (2.70g)

Packing (Option 01)

20 rounds in cardboard box

28 cardboard boxes (560 rounds) in metal box M2A1

2 metal boxes (1120 rounds) in wire bound wooden box

Packing (Option 02)

20 rounds in cardboard box

10 cardboard boxes (200 rounds) in PVC bag

5 PVC bags in wooden case

Cartridge

Weight with bullet: ~25.4 g





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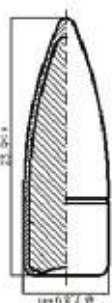
Part Number - HPM739M67



Cal 7.62 x 39 mm M67 Ball

Belted is also available

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	7.40 g	Weight:	0.34 g
Length:	38.65 mm	Length:	3.30 mm



Projectile FMJ / BALLM67

Material:	Jacket –Tombac (CuZn10), Core – Lead antimony
Weight:	~8.00 g / 123 gr
Length:	23.9 mm
Propelling charge:	Spherical (1.67 g)

Packing (Option 01)

- 15 rounds in cardboard box
- 10 cardboard boxes in PVCbag
- 12 PVC bags (1800 rounds) in woodencase

Packing (Option 02)

- 15 rounds in cardboard box
- 54 cardboard boxes in metal box M2A1
- 2 metal boxes M2A1 in wire bound wooden box (1620 rounds)

Cartridge

- Weight with bullet: ~17.4 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM739AP



Cal 7.62 x 39 mm AP

Belted is also available

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	7.40 g	Weight:	0.34 g
Length:	38.65 mm	Length:	3.30 mm



Projectile AP

Material:	Jacket –Tombac (CuZn10), core 1 - Steel, Core 2 – Lead antimony
Weight:	~8.00 g / 123 gr
Length:	25.3 mm
Propelling charge:	Spherical (1.70 g)

Packing (Option 01)

- 15 rounds in cardboard box
- 10 cardboard boxes in PVC bag
- 12 PVC bags (1800 rounds) in woodencase

Packing (Option 02)

- 15 rounds in cardboard box
- 54 cardboard boxes in metal box M2A1
- 2 metal boxes M2A1 in wire bound wooden box (1620 rounds)

Cartridge

- Weight with bullet: ~17.4 g





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Part Number - HPM739L

Cal 7.62 x 39 Linked 4:1

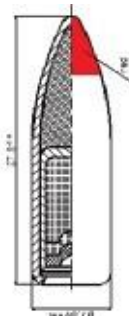


Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	7.40 g	Weight:	0.34 g
Length:	38.65 mm	Length:	3.30 mm



Projectile AP

Material:	Jacket – Tombac (CuZn10), core1 - Steel, Core 2 – Lead antimony
Weight:	~8.00 g / 123 gr
Length:	25.3 mm
Propelling charge:	Spherical (1.70 g)



Projectile Tracer M78

Material:	Jacket – Tombac, Core - Lead antimony, Tracer – Tracer compos, Tube - Tombac
Weight:	~7.7 g / 119 gr
Length:	27.8 mm
Propelling charge:	Spherical (1.70 g)





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM754RM84

Cal 7.62 x 54R M84 Ball

Belted is also available

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	10.00 g	Weight:	0.34 g
Length:	53.65 mm	Length:	3.30 mm



Projectile M 84 (FMJ / BALL)

Material:	Jacket –Tombac (CuZn10) Core – Lead antimony
Weight:	~11.00 g / 170 gr
Length:	30.5 mm
Propelling charge:	NCD powder (3.00g)

Packing (Option 01)

- 15 rounds in cardboard box
- 28 cardboard boxes (420 rounds) in metal box M2A1
- 2 metal boxes M2A1 (840 rounds) in wire bound wooden box

Packing (Option 02)

- 15 rounds in cardboard box
- 10 cardboard boxes (150 rounds) in PVC bag
- 8 PVC bags (1200 rounds) in woodencase

Cartridge

- Weight with bullet: ~24.4 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM250GR338



Cal.8.6 x 70 mm Ball (.338 Lapua) 250 GR

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer
Weight:	~22.0 g	Weight:	0.34g
Length:	69.20 mm	Length:	3.30 mm



Projectile Ball

Type of Bullet:	FMJBT
Material:	Lead, Copper Tombac CuZn10 with lead core
Weight:	~16.2 g / 250 gr
Length:	9.41 mm
Propelling charge:	6.20g

Packing

20 Cartridges / Cardboard Box

Cartridge

Weight with bullet: 44 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM300GR338



Cal. 8.6 x 70 mm Ball (.338 Lapua) 300 GR

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer
Weight:	~22.0 g	Weight:	0.34 g
Length:	69.20 mm	Length:	3.30 mm



Projectile Ball

Type of Bullet:	FMJBT
Material:	Tombac CuZn10 with lead core
Weight:	19.5 g / 300 gr
Length:	9.41 mm
Propelling charge:	6.10g

Packing

20 Cartridges / Cardboard Box

Cartridge

Weight with bullet: 48 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM1299M33

Cal. 12.7 x 99 mm M33 Ball

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	55.10 g	Weight:	1.23 g
Length:	99.31 mm	Length:	5.54 mm



Projectile Ball

Material:	Jacket – Tombac CuZn10, Core - Steel, Foil Lead
Weight:	~42.31 g / 653 gr
Length:	58.67 mm
Propelling charge:	NCD powder (15.10 g)

Packing

140 rounds in metal box M2A1

2 metal boxes (280 rounds) in wire bound wooden box

Cartridge

Weight with bullet: 113.99





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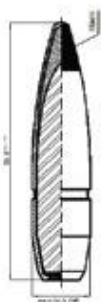
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Part Number - HPM1299APM2

Cal. 12.7 x 99 mm AP M2



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	55.10 g	Weight:	1.23 g
Length:	99.31 mm	Length:	5.54 mm



Projectile AP M2

Material:	Jacket – Tombac, CuZn10 Core – Steel, Foil - Lead
Weight:	~42.5 g / 656 gr
Length:	58.67 mm
Propelling charge:	NCD powder (15.10 g)

Packing

140 rounds in metal box M2A1

2 metal boxes (280 rounds) in wire bound wooden box

Cartridge

Weight with bullet: 113.93 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM1299TM17

Cal. 12.7 x 99 mm Tracer M17



Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	55.10 g	Weight:	1.23 g
Length:	99.31 mm	Length:	5.54 mm



Projectile Tracer M17

Material:	Jacket – Tombac, Core - Steel Tracer - Tracer compos, Foil - Tombac
Weight:	~40.05 g / 618 gr
Length:	58.67 mm
Propelling charge:	NCD powder (14.90 g)

Packing

140 rounds in metal box M2A1

2 metal boxes (280 rounds) in wire bound wooden box

Cartridge

Weight with bullet: 111.4 g





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM1299L

Cal. 12.7 x 99 mm Linked 4:1

Case		Primer	
Material:	Brass CuZn30	Material:	Boxer non corrosive
Weight:	55.10 g	Weight:	1.23 g
Length:	99.31 mm	Length:	5.54 mm



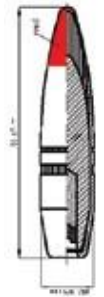
Projectile AP M2

Material: Jacket – Tombac CuZn10,
Core – Steel, Foil - Lead

Weight: ~42.5 g / 656 gr

Length: 58.67 mm

Propelling charge: NCD powder (15.10 g)



Projectile Tracer M17

Material: Jacket – Tombac, Core - Steel
Tracer - Tracer compos, Foil - Tombac

Weight: ~40.05 g / 618 gr

Length: 58.67 mm

Propelling charge: NCD powder (14.90 g)

Packing

100 rounds in metal link belt M9

1 metal link belt in metal box M2A1

2 metal boxes (200 rounds) in wooden crate





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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM12108B



Cal. 12.7 X 108 mm Ball

Case		Primer	
Material:	Brass CuZn30	Material:	Berdan Fullminate
Weight:	67 g	Weight:	1.1 g
Length:	108 mm	Length:	4.15 mm



Projectile Ball

Material:	Jacket – Tombac CuZn10, Core 1 steel, Core2 – Lead antimony
Weight:	~48 g / 740 gr
Length:	64.6 mm
Propelling charge:	NC powder (16.5g)

Packing

104 rounds in metal box M2A1

2 metal boxes (208 rounds) in wire bound wooden box

Cartridge

Weight with bullet: ~133.1 g





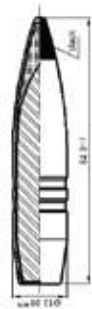
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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM12108AP

Cal. 12.7 X 108 mm AP

Case		Primer	
Material:	Brass CuZn30	Material:	Berdan Fullminate
Weight:	~67 g	Weight:	1.1 g
Length:	108 mm	Length:	4.15 mm



Projectile AP

Material:	Jacket – Tombac, Core - Steel Linear – Lead antimony
Weight:	~48 g / 740 gr
Length:	64.6 mm
Propelling charge:	NC powder (16.5g)

Packing

104 rounds in metal box M2A1

2 metal boxes (208 rounds) in wire bound wooden box

Cartridge

Weight with bullet: 133.1 g





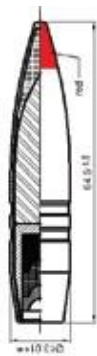
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Reliable NATO & Russian Caliber Ammunition

Part Number - HPM12108T

Cal. 12.7 X 108 mmTracer

Case		Primer	
Material:	Brass CuZn30	Material:	Berdan Fullminate
Weight:	67 g	Weight:	1.1 g
Length:	108 mm	Length:	4.15 mm



Projectile Tracer

Material:	Tombac CuZn10, Core 1 - Steel Core 2 - Lead antimony, Tracer - Tracer compos
Weight:	~44 g / 679 gr
Length:	64.5 mm
Propelling charge:	NC powder (16.5g)

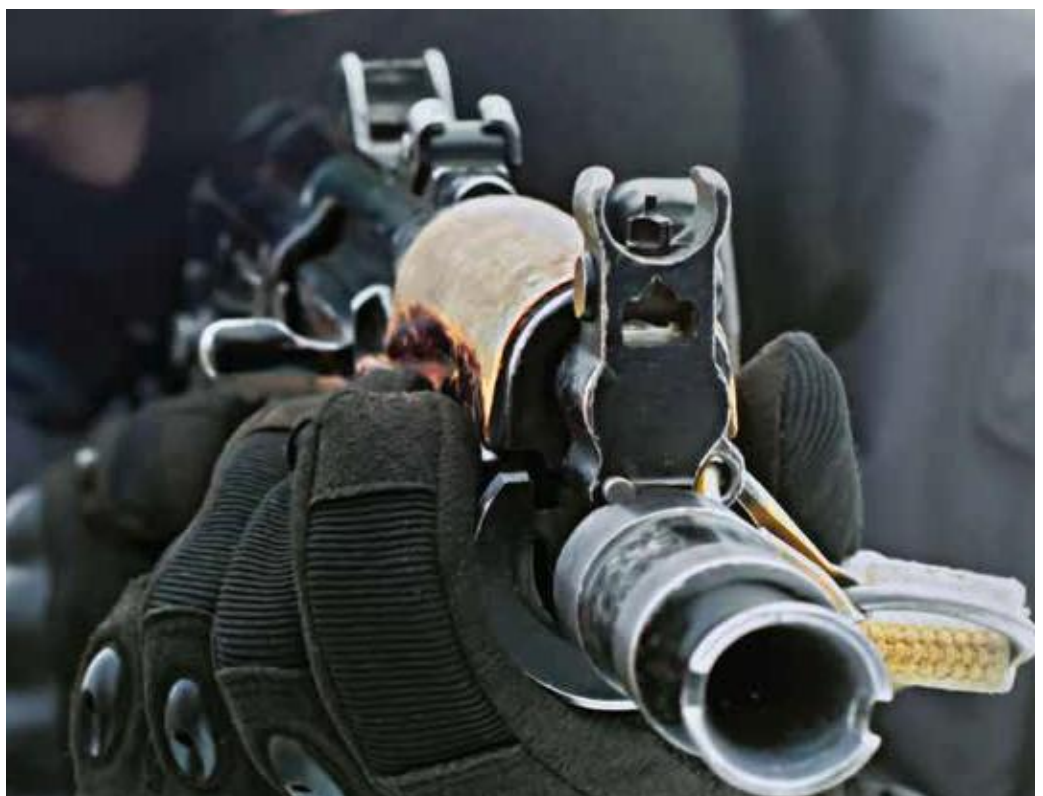
Packing

104 rounds in a sheet metal box

2 sheet smtal boxes (208 rounds) in wire bound wooden box

Cartridge

Weight with bullet: ~129 g





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Part Number - HPM12108L



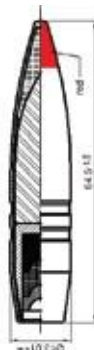
Cal. 12.7 X 108 mm Linked 4:1

Case		Primer	
Material:	Brass CuZn30	Material:	Berdan Fullminate
Weight:	67 g	Weight:	1.1 g
Length:	108 mm	Length:	4.15 mm



Projectile AP

Material:	Jacket – Tombac CuZn10, Core - Steel, Linear – Lead antimony
Weight:	~48 g / 740 gr
Length:	64.6 mm
Propelling charge:	NC powder (16.5g)



Projectile Tracer

Material:	Jacket Tombac CuZn10, Core - Steel, Liner - Lead antimony, Tracer - Tracer compos
Weight:	~44 g / 679 gr
Length:	64.5 mm
Propelling charge:	NC powder (16.5g)

Packing

- 60 rounds in a DShK belt
- 1 DShK belt in a box
- 2 boxes (120 rounds) in wooden box





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