CATALOG 2026

HUGHES PRECISION

ALWAYS ON TARGET

World Class Ammunition

Military | Law Enforcement | Civilian



PERFECT SHOT™

TRUE SEAL™

NO JAM™

Hughes Precision Manufacturing Pvt. Ltd.

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ABOUT HUGHES

India's largest Private Sector small caliber ammunition manufacturer

Founded in 2016 as part of India's "Make in India" initiative, Hughes is the country's first and largest private-sector small caliber ammunition manufacturer.



Hughes is part of the Deep Group, an INR 6 billion diversified business conglomerate.

In addition to ammunition manufacturing, the group has interests in global automotive retail, AI and Data Analytics, microelectronics, advanced semiconductor packaging and silicon photonics design and manufacturing.

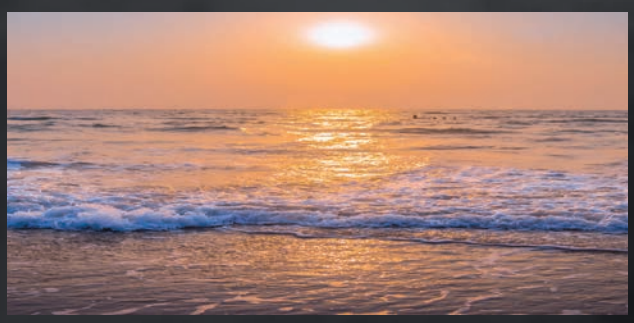
The group is headquartered in India with its offices in Europe, United States, Singapore, Middle East and South America.

Largest Ammunition Range in Asia and Middle-East

The ammunition range offered by Hughes includes military calibers covering ammunition used by most armed forces in the world, civilian calibers, shotshells, anti-drone ammunition, and special purpose ammunition for special forces, anti-terrorist units and other strategic forces.

Hughes Precision is a supplier of high accuracy sniper ammunition to the Indian Armed Forces. These have been developed by the Hughes Precision in-house R&D team. The Hughes Precision R&D team has received recognition from the Department of Scientific and Industrial Research, Government of India as an accredited R&D unit.





Glimpses of Scenic Goa: Home to the Hughes Ammunition Factory.

AMMUNITION MANUFACTURING FACILITY





MANUFACTURING CAPACITY

Hughes is expanding its current production capacity from 80 million rounds to 220 million rounds per year in a state-of-the-art 40,000 sq. mt. facility. Upon completion of the facility by December 2026, Hughes Precision will become the largest manufacturer of small caliber ammunition in Asia and the Middle East.

APPROVED BY UNITED STATES DEPARTMENT OF DEFENSE

Hughes has been approved as a supplier for the US Department of Defense following a thorough inspection of its production, quality, and safety processes by the US Department of Defense team.

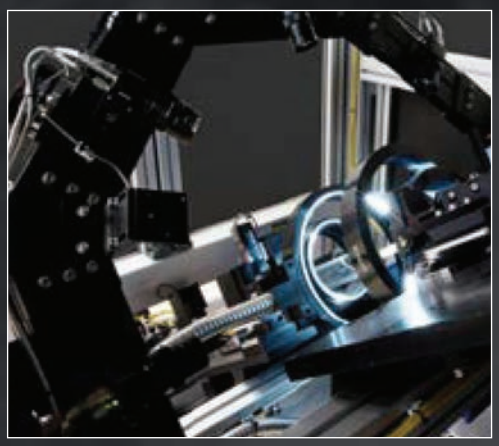
The registration code of Hughes with US DoD and NATO is 4426Y.

The World's Fastest and Most Accurate Ammunition Inspection System

High speed comprehensive inspection system that detects all critical defects per MIL-STD-636. In addition, ammunition is tested with both ballistic receivers and weapons at our in-house test facility and range.



Eight camera inspection system for case defect detection



Six high powered LED lighting system for part illumination

FIRE OUR CARTRIDGES WITH CONFIDENCE:

PERFECT SHOT™

- High accuracy ammunition for on target performance shot after shot

TRUE SEAL™

- Sealed to provide shelf life > 15 years
- Packaging to your custom requirements

NO JAM™

- Non-jaming finish so you can fire with confidence. Will not let you down ever!

Hughes Clients

Domestic

Armed Forces

- Indian Army
- Indian Navy
- Indian Air Force

Paramilitary

- NSG

Police

- U.P. Police
- Odisha Police

Police

- Maharashtra Police
- Telangana Police
- Andhra Pradesh Police
- Punjab Police
- Mizoram Police

Global Reach



HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 9 x 19 mm



CASE

Regular Material:	Brass CuZn28/30
Blank Material:	Brass CuZn28/30

PRIMER

Small Pistol
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Double Base

PROJECTILE TYPES

	Jacket Material	Core	Weight
FMJ RN	Tombac CuZn10	Lead & Antimony	115 gr / 7.5 g
FMJ RN	Tombac CuZn10	Lead & Antimony	124 gr / 8 g
JHP	Tombac CuZn10	Lead & Antimony	124 gr / 8 g
Subsonic FMJ FN/RN	Tombac CuZn10	Lead & Antimony	158 gr / 10.2 g

PACKING (OPTION 01)

50 rounds in inner cardboard box

20 cardboard boxes (1000 rounds) in metal can M2A1

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

48 wooden boxes on a palette

PACKING (OPTION 02)

50 rounds in an inner cardboard box

100 inner cardboard boxes in a carton box

50 carton boxes on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity $V_{16\ m/s}$	PressureAvg + 3*sd Bar	Weight
HPM19115	FMJ RN (115 gr)	380 ± 10	2850	~ 11.7 g
HPM19124	FMJ RN (124 gr)	370 ± 10	2850	~ 12.1 g
HPM19124JHP	JHP (124 gr)	370 ± 10	2850	~ 12.1 g
HPM19158SUB	Subsonic FMJ FN/RN (158 gr)	290 ± 10	2850	~ 14.4 g
HPM19BL	Blank	---------	-----	~ 5.4 g

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 5.56 x 45 mm



CASE

Regular Material:	Brass CuZn30
Blank Material:	Brass CuZn30

PRIMER

Small Rifle
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Double Base

LINK

M27

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE	WEIGHT
M193 BALL	Tombac CuZn10	Lead Core with Antimony	55 gr / 3.56 g
M855 BALL (SS109)	Tombac CuZn10	Steel core with Lead-Antimony slug	62 gr / 4 g
M856 Tracer	Tombac CuZn10	Lead Core with Antimony	63.3 gr / 4.1 g
AP	Tombac CuZn10	Tungsten Carbide Core	62 gr / 4 g

PACKING (OPTION 01)

20 rounds in inner cardboard box

50 cardboard boxes (1000 rounds) in a metal can M2A1

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

48 wooden boxes (96000 rounds) on a wooden palette

PACKING (OPTION 02)

20 rounds in an inner cardboard box

100 inner cardboard boxes (2000 rounds) in a carton box

50 carton boxes (100000 rounds) on a wooden palette

PACKING (LINKED)

200 rounds in metal link belt (M2.7)

4 metal link belts in metal can M2A1 (800 rounds)

2 metal boxes (1600 rounds) in wire bound wooden box

48 wooden boxes (76800 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

PART NUMBER	TYPE OF PROJECTILE / BLANK CASE	VELOCITY V24 M/S	ACCURACY AVG. MEAN RADIUS AT 550 M	PRESSURE MAX BAR	WEIGHT
HPM556M193	FMJ (55 gr)	950 ± 12	≤ 20 cm	4100	~ 11.8 g
HPM556M855	FMJ (62 gr)	910 ± 12	≤ 20 cm	4100	~ 12.1 g
HPM556M856T	FMJ (63.3 gr)	890 ± 12	≤ 30 cm	4100	~ 12.1 g
HPM556AP	FMJ (62 gr)	900 ± 12	≤ 20 cm	4100	~ 12.1 g
HPM556M200BL	Blank	---	---	---	~ 6.9 g
HPM556M200BLLN	Blank	---	---	---	~ 7.2 g

***Penetration M855:** At least 80% rounds completely penetrate steel plate target of min. 3.5mm thick (SAE 1010 or SAE 1020 with HRB55 to B70) at 570m from the muzzle of the weapon. ***Tracer Visibility M856:** Dim trace to min 13m from the muzzle of the weapon, visible from max 140m to min 600m from. the muzzle of the weapon

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 7.62 x 51 mm



CASE

Regular Material:	Brass CuZn30
Blank Material:	Brass CuZn30

PRIMER

Large Rifle
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Double Base

LINK

M13

PROJECTILE TYPES

Type of Projectile	Jacket Material	Core	Weight
M80	Tombac CuZn10	Lead Core with Antimony	145 gr / 9.4 g
M62 Tracer	Tombac CuZn10	Lead Core with Antimony & tracer compos	145 gr / 9.4 g
M852 OTM-BT	Tombac CuZn10	Lead Core with Antimony	168 gr / 10.9 g
M118 OTM-BT	Tombac CuZn10	Lead Core with Antimony	175 gr / 11.34 g
SUBSONIC	Tombac CuZn10	Lead Core with Antimony	220 gr / 14.25 g

PACKING (OPTION 01)

20 rounds in an inner cardboard box

28 cardboard boxes (560 rounds) in metal box M2A1

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

48 wooden boxes (53760 rounds) on a wooden palette

PACKING (OPTION 02)

20 rounds in an inner cardboard box

60 inner cardboard boxes (1200 rounds) in a carton box

50 carton boxes (60000 rounds) on a wooden palette

PACKING (LINKED)

250 rounds in metal link belt (M13)

2 metal link belts in metal box M2A1 (500 rounds)

2 metal boxes (1000 rounds) in wire bound wooden box

48 wooden boxes on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity V_{24} m/s	Accuracy at 550 m	Pressure Max Bar	Weight
HPM751M80	FMJ (145 gr)	833 ± 15	Sdx / Sdy ≤ 20 cm	4150	~ 24 g
HPM751M62T	FMJ (145gr)	815 ± 15	Sdx / Sdy ≤ 30 cm	4150	~ 24 g
HPM751M852M	OTMBT (168 gr)	777 ± 09	ES ≤ 25.4 cm	4150	~ 25.5 g
HPM751M118M	OTMBT (175 gr)	777 ± 09	ES ≤ 25.4 cm	4150	~ 25.8 g
HPM751220SUB	OTMBT (220 gr)	300 ± 15	ES ≤ 10 cm at 100 m	4150	~ 24.8 g
HPM751M82BL	Blank	---------	---------	-----	~ 12 g

*Penetration M852/M118: At least 80% rounds completely penetrate steel plate target of min. 3.5mm thick (SAE 1010 or SAE 1020 with HRB55 to B70) at 550m from the muzzle of the weapon. *Tracer Visibility M62: Dim trace to min 13m from the weapon, visible from max. 140m to min.775 m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 7.62 x 39 mm



CASE

Regular Material:	Brass CuZn30
Blank Material:	Brass CuZn30

PRIMER

Large Rifle
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Single / Double Base

PROJECTILE TYPES

Type of Projectile	Jacket Material	Core	Weight
M67	Tombac CuZn10	Lead Core with Antimony	123 gr / 9.4 g
M43	Gilding Metal CuZn10	Mild Steel Core Enveloped with Lead & Antimony	123 gr / 9.4 g
AP	Tombac CuZn10	Tungsten Carbide Core	123 gr / 9.4 g
M78 TRACER	Tombac CuZn10	Lead Core with Antimony & tracer compos	119 gr / 7.7 g

PACKING (OPTION 01)

20 rounds in inner cardboard box

28 inner cardboard boxes (560 rounds) in a metal can M2A1

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

48 wooden boxes (53760 rounds) on a wooden palette

PACKING (OPTION 02)

20 rounds in an inner cardboard box

75 inner cardboard boxes (1500 rounds) in a carton box

50 carton boxes (75000 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity $V_{25\ m/s}$	Accuracy Avg. Mean Radius at 300 m	Pressure Max Bar	Weight
HPM739M67	FMJ (123 gr)	733 ± 10	≤ 11 cm	3550	~ 17.4 g
HPM739M43	FMJ (123gr)	733 ± 10	≤ 15 cm	3550	~ 17.4 g
HPM739AP	FMJ (123 gr)	733 ± 10	≤ 15 cm	3550	~ 17.4 g
HPM739M78T	FMJ (119 gr)	706 ± 10	≤ 22 cm	3550	~ 17.06 g
HPM739BL	Blank	---------	---------	-----	~ 9.7 g

*Penetration AP: The bullet shall show complete penetration of 6 mm thick armor plate (min. 420 HB) located at 100 m from the muzzle of the weapon. *Tracer Visibility M78: Dim trace to min 15m from the weapon, visible from max. 115 m to min. 800 m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal .338 Lapua Magnum



CASE

Regular Material:	Brass CuZn30
Blank Material:	Brass CuZn30

PRIMER

Large Rifle
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Double Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE	WEIGHT
OTM BT	Tombac CuZn10	Lead Core with Antimony	250 gr / 16.20 g
OTM BT	Tombac CuZn10	Lead Core with Antimony	300 gr / 19.43 g
AP	Tombac CuZn10	Steel Core with Lead & Antimony	290 gr / 18.79 g
SUBSONIC	Tombac CuZn10	Lead Core with Antimony.	250 gr / 16.20 g

PACKING (OPTION 01)

10 rounds in inner cardboard box
16 cardboard boxes (160 rounds) in metal can M2A1
120 metal cans (19200 rounds) on a wooden palette

PACKING (OPTION 02)

10 rounds in inner cardboard box
16 inner cardboard boxes (160 rounds) in metal can M2A1
2 metal cans (320 rounds) in wire bound wooden box
48 wooden boxes (15360 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

PART NUMBER	TYPE OF PROJECTILE	VELOCITY $V_{25\ M/S}$	ACCURACY R_{50} AVG. AT 300 M	PRESSURE MAX BAR	WEIGHT
HPM8670250	OTM BT (250 gr)	890 ± 15	Ravg ≤ 25 cm at 800 m	4200	~ 44 g
HPM8670300	OTM BT (300 gr)	800 ± 15	Ravg ≤ 25 cm at 800 m	4200	~ 47 g
HPM8670AP	OTM BT (290 gr)	800 ± 15	ES ≤ 12 cm at 300 m	4200	~ 47 g
HPM860250SUB	OTM BT (300 gr)	315 ± 8	R100 ≤ 50 cm at 100 m	4200	~ 40.90 g

***Penetration AP:** Completely penetrate 16mm thick Armor Steel Plate RHA (350HB)) situated at 100m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 5.45 x 39 mm



CASE

Regular Material: Brass CuZn30

PRIMER

Small Rifle
Non Corrosive
Non Mercuric
Boxer / Berdan

PROPELLANT

Single / Double Base

PROJECTILE TYPES

Type of Projectile	Jacket Material	Core	Weight
Lead Core BALL	Gilding Metal CuZn10	Lead Core with Antimony	51-55 gr / 3.30 – 3.55 g
Steel Core BALL	Gilding Metal CuZn10	Steel core with Lead-Antimony	62–66 gr / 4.04 – 4.26 g

PACKING (OPTION 01)

20 rounds in inner cardboard box

50 cardboard boxes (1000 rounds) in one metal can M2A1

2 metal cans (2000 rounds) in a wire bound wooden box

48 wooden boxes (96000 rounds) on a wooden palette

PACKING (OPTION 02)

20 rounds in an inner cardboard box

100 inner cardboard boxes (2000 rounds) in a carton box

50 carton boxes (100000 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity $V_{25\ m/s}$	Accuracy at 100 m	Pressure Max Bar	Weight
HPM54539LC	FMJ (51-55 gr)	870 – 890	**R50 avg ≤ 3 cm**	≤ 3800	10 g – 11 g
HPM54539SC	FMJ (62-66 gr)	810 – 830	**R100 avg ≤ 3.2 cm**	≤ 3800	10.84 g – 11.54 g

*Penetration AP: At least 80% rounds completely penetrate steel plate target of min. 3.5mm thick (SAE 1010 or SAE 1020 with HRB55 to B70) at 570m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal 7.62 x 54R



CASE	PRIMER	PROPELLANT	LINK
Regular Material: Brass CuZn30	Large Rifle Non Corrosive Non Mercuric Boxer	Single / Double Base	PKM

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE	WEIGHT
M84	Gilding metal CuZn10	Lead Core with Antimony	170 gr / 11.0 g
SNIPER	Gilding metal CuZn10	Steel core with Lead-Antimony slug	152 gr / 9.90 g
STEEL CORE	Gilding metal CuZn10	Steel Core enveloped with Lead & Antimony	150 gr / 9.75 g
TRACER T-46	Gilding metal CuZn10	Lead Core with Antimony & tracer compos	145 gr / 9.40 g
API	Gilding metal CuZn10	Steel Core with Lead - Antimony slug & incendiary compos.	164 gr / 10.68 g

PACKING (OPTION 01)

20 rounds in inner cardboard box

28 cardboard boxes (540 rounds) in metal can M2A1

2 metal cans (1080 rounds) in wire bound wooden box

48 wooden boxes (51840 rounds) on a wooden palette

PACKING (LINKED)

200 rounds in metal link belt (PKM)

2 metal link belts in a metal can M2A1 (400 rounds)

2 metal cans (800 rounds) in a wire bound wooden box

48 wooden boxes (38400 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

PART NUMBER	TYPE OF PROJECTILE	VELOCITY V_{25} M/S	ACCURACY R_{50} AVG. AT 300 M	PRESSURE MAX BAR	WEIGHT
HPM754RM84	FMJ (170 gr)	775 - 795	≤ 18 cm	3900	~ 24.4 g
HPM754RSN	FMJ (152 gr)	815 - 830	≤ 8 cm	3900	~ 23.20 g
HPM754RSC	FMJ (150 gr)	820 - 835	≤ 9 cm	3900	~ 23.20 g
HPM754RT46TR	FMJ (145 gr)	790 - 805	≤ 15 cm	3900	~ 23.10 g
HPM754RAPI	OTMBT (220 gr)	800 - 815	≤ 15 cm	3900	~ 23.95 g

***Penetration SC/SN/API:** At least 80% rounds completely penetrate steel plate target of min. 5 mm thick (SAE 1010 or SAE 1020 with HRB55 to B70) situated at 100m from the muzzle of the weapon. ***Tracer Visibility T46:** At least 90% bullets shows visible trace up to min 3 sec from the muzzle of the weapon. ***Incendiary Effect API:** At least 80% bullets shows incendiary effect at a box with petrol located behind 10 mm plate situated at 100 m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition



Cal. 12.7 x 99 mm



CASE

Regular Material: Brass CuZn30

PRIMER

Large Rifle
Non Corrosive
Non Mercuric
Boxer

PROPELLANT

Double Base

LINK

M9

PROJECTILE TYPES

Type of Projectile	Jacket Material	Core	Weight
M33 BALL	Tombac CuZn10	Steel Core with Lead & Antimony	653 gr / 42.30 g
M2 AP	Tombac CuZn10	Steel Core with Lead & Antimony	656 gr / 42.5 g
M17 Tracer	Tombac CuZn10	Steel Core with Lead & Antimony & tracer compos	656 gr / 42.5 g
M8 API	Tombac CuZn10	Steel Core with Lead – Antimony & thermit compos	661 gr / 42.65 g
M20 APIT	Tombac CuZn10	Steel Core with Lead – Antimony & thermit & Tracer compos	620 gr / 40.12 g
M33 Ball SNIPER	Tombac CuZn10	Steel Core with Lead & Antimony	750 gr / 48.60 g
SUBSONIC	Tombac CuZn10	Steel Core with Lead & Antimony	653 gr / 42.30 g

PACKING (OPTION 01)

140 rounds in metal can M2A1

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

48 wooden boxes (13440) on a wooden palette

PACKING (LINKED)

100 rounds in one metal link belt (M9)

1 metal link belts in metal can M2A1 (100 rounds)

2 metal cans (200 rounds) in wire bound wooden box

48 wooden boxes (9600) on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity $V_{24\ m/s}$	Accuracy at 550 m	Pressure P+3Sd Bar	Weight
HPM1299M33	FMJ (653 gr)	885 ± 10	Sdx / Sdy ≤ 30 cm	4500	~ 113 g
HPM1299M2	FMJ (656 gr)	885 ± 10	Sdx / Sdy ≤ 30 cm	4500	~ 114 g
HPM1299M17	FMJ (656 gr)	885 ± 10	Sdx / Sdy ≤ 40 cm	4500	~ 112 g
HPM1299M8	FMJ (661 gr)	885 ± 10	Sdx / Sdy ≤ 30 cm	4500	~ 115 g
HPM1299M20	FMJ (620 gr)	885 ± 10	Sdx / Sdy ≤ 40 cm	4500	~ 112 g
HPM1299M33SN	FMJ (750 gr)	830 ± 10	ES ≤ 6 cm at 100 m	4500	~ 121 g
HPM1299SUB	FMJ (653 gr)	319 ± 10	ES ≤ 20 cm at 100 m	4500	~ 113 g

*Penetration M2AP / M8 API / M20 APIT: Bullet shall penetrate 22 mm thick armour plate (321 – 375 HB) situated at 100m from the muzzle of the weapon. *Incendiary M8 API / M20 APIT: The incendiary composition of bullets shall produce an incandescent flash when fired against a target situated at 160 m from the muzzle of the weapon. *Tracer Visibility M17 Tracer: Visible trace of full luminosity from a point not greater than 200 m from the muzzle of the weapon to a point not less than 1500 m from the muzzle.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable NATO & Military Caliber Ammunition





Cal. 12.7 X 108 mm

CASE	PRIMER	PROPELLANT	LINK
Regular Material: Brass CuZn30	Large Rifle Non Corrosive Non Mercuric Boxer / Berdan	Single / Double Base	DSHKM

PROJECTILE TYPES

Type of Projectile	Jacket Material	Core	Weight
BALL	Tombac CuZn10	Steel Core with Lead & Antimony	740 gr / 48 g
AP	Tombac CuZn10	Steel Core with Lead & Antimony	740 gr / 48 g
API	Tombac CuZn10	Steel Core with Lead - Antimony & thermit Compos	740 gr / 48 g
APIT	Tombac CuZn10	Steel Core with Lead – Antimony & thermit & Tracer Compos	679 gr / 44 g

PACKING (OPTION 01)

96 rounds in metal can M2A1

2 metal cans (192 rounds) in wire bound wooden box

48 wooden boxes (9216 rounds) on a wooden palette

PACKING (LINKED)

50 rounds in one metal link belt (DSHKM)

1 metal link belts in metal can M2A1 (50 rounds)

2 metal cans (100 rounds) in wire bound wooden box

48 wooden boxes (4800 rounds) on a wooden palette

CARTRIDGE SPECIFICATIONS

Part Number	Type of projectile / Blank case	Velocity $V_{24\ m/s}$	Accuracy Avg. Mean Radius at 300 m	Pressure Max Bar	Weight
HPM12108BALL	FMJ (740 gr)	810 - 825	≤ 20 cm	3040	~ 134 g
HPM12108AP	FMJ (740 gr)	810 - 825	≤ 20 cm	3040	~ 134 g
HPM12108API	FMJ (740 gr)	810 - 825	≤ 20 cm	3040	~ 134 g
HPM12108APIT	FMJ (679 gr)	810 - 825	≤ 20 cm	3040	~ 129 g

Penetration AP/API: Bullet shall penetrate 22 mm thick armour plate (321 – 375 HB) situated at 100m from the muzzle of the weapon. *Penetration APIT: Bullet shall penetrate 15 mm thick armour plate (321 – 375 HB) situated at 100m from the muzzle of the weapon.

*Incendiary API/APIT: At 70 m, the incendiary comp. of bullets shall ignite cloth soaked in petrol located behind the armour plate of 15mm (321 -375 HB). *Tracer Visibility APIT: Visible trace not less than 1200 m from the muzzle of the weapon.

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 5.56x45mm - AP

WITH 4.1G (63GR)

Tungsten Carbide & Lead Core



CASE

Regular Material: Brass CuZn30

PRIMER

Boxer type, Non corrosive

PROPELLANT

Double/Single Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE
FMJ-AP	Tombac CuZn10	Tungsten Carbide & Lead Core

DIMENSIONS & WEIGHT

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE LENGTH	CASE WEIGHT	BULLET LENGTH	BULLET WEIGHT
56.70mm - 57.40mm	11.80g - 12.90g	44.45mm - 45.00mm	5.85g - 6.80g	20.60mm - 21.60mm	~4.10g (63gr)

CHARACTERISTICS

VELOCITY, AVERAGE	875 ± 15 m/s, at a muzzle at 21±2°C, using standard proof barrel of 500mm length	PENETRATION EFFECT	Penetrate 5mm steel plate (480-530 HB) at 200m on steel plate
ACCURACY TEST	Sa ≤ 25 mm at 300m from the muzzle end, using standard proof barrel of 650mm length	STORAGE TEMPERATURE	From -20°C to +70°C with daily temperature difference less than 10°C
MEAN CHAMBER PRESSURE	Pavg. max ≤ 4300 bar at 21±2°C, using standard proof barrel, EPVAT using 6215 piezoelectric transducer	FUNCTIONING	Cartridges function all specified weapons without casualty at ambient temperatures at -10°C & +63°C
BULLET EXTRACTION FORCE, MINIMUM	≥ 200 N	WATERPROOF	Cartridges are Waterproof (Bubbles Test)
OPERATING TEMPERATURE	-10°C to +63°C	MAXIMUM RANGE	3312 meters
SHELF LIFE (under Normal Storage & Temperature Conditions, minimum, years)	10 years		

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 5.56×45 JHP

JACKETED HOLLOW POINT

Lead Core | 4.5 g / 69 gr



CARTRIDGE

PROJECTILE	JHP, 4.5 g / 69 gr
PROJECTILE MATERIAL	Tombac jacket, lead core
BALLISTIC COEFFICIENT G1	0.314 (ICAO)
PRIMER	SINOXID
CASE MATERIAL	CuZn – alloy
CARTRIDGE WEIGHT	12.6 g

PERFORMANCE

TERM OF REFERENCE	M-CMOPI
TEMPERATURE RANGE	–54 °C to +52 °C
MEAN CASE MOUTH PRESSURE + 3S	max. 4 450 bar | (21 °C)
MEAN VELOCITY AT 10 M	870 ± 15 m / s (2 854 ± 49 fps) | 510 mm barrel
MEAN ENERGY AT 10 M (MIN – MAX)	1 703 J (1 645 – 1 762 J)
ACCURACY AT 300 M	$S_H;S_V \leq 16.9$ mm | 650 mm barrel

PACKAGING

MILITARY M2A1 METAL BOX	10 rounds - clip, 50 rounds - cardboard box, 1000 rounds - M2A1 metal box, 60000 rounds - EU pallet

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 7.62x51mm - AP (.308 Win)

WITH 12.7G (196GR)

Tungsten Carbide & Lead Core



CASE

Regular Material: Brass CuZn30

PRIMER

Boxer type, Non corrosive

PROPELLANT

Double/Single Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE
FMJ	Tombac CuZn10	Tungsten Carbide & Lead Core

DIMENSIONS & WEIGHT

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE LENGTH	CASE WEIGHT	BULLET LENGTH	BULLET WEIGHT
~71.2mm	~26.70g	50.80mm - 51.18mm	11.01g - 12.31g	33.00mm - 34.00mm	~12.70g (196gr)

CHARACTERISTICS

VELOCITY, AVERAGE	778 - 810 m/s, at (0) distance from the muzzle at 21±2°C, standard proof barrel of 650mm length.	PENETRATION TEST	Penetrates 8mm steel plate (HB 400) at 500m from the muzzle end
ACCURACY TEST	Sa ≤ 35mm at 300m from the muzzle end, using standard proof barrel of 650mm length.	STORAGE TEMPERATURE	From -30°C to +55°C with daily temperature difference less than 10°C
MEAN CHAMBER PRESSURE	Pavg. max ≤ 4150 bar at 21±2°C, standard proof barrel, EPVAT using 6215 piezoelectric transducer, CIP	FUNCTIONING	Cartridges function all specified weapons without casualty at ambient Temperatures at -15°C & +50°C
BULLET EXTRACTION FORCE, MINIMUM	≥265	WATERPROOF	Cartridges are Waterproof (Bubbles Test)
OPERATING TEMPERATURE	-15°C to +50°C	MAXIMUM RANGE	5916 meters
SHELF LIFE (under Normal Storage & Temperature Conditions, minimum, years)	10 years		

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. .338 LAPUA MAGNUM - AP

WITH 16.8G (260GR)

Tungsten Carbide & Lead Core



CASE

Regular Material: Brass CuZn30

PRIMER

Boxer type, Non corrosive

PROPELLANT

Double/Single Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE
FMJ-AP	Tombac CuZn10	Tungsten Carbide & Lead Core

DIMENSIONS & WEIGHT

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE LENGTH	CASE WEIGHT	BULLET LENGTH	BULLET WEIGHT
90.20mm - 91.50mm	~ 45.00g	68.60mm - 69.20mm	20.00g - 24.00g	36.30mm - 36.70mm	~16.80g (260gr)

CHARACTERISTICS

VELOCITY, AVERAGE	847 ± 15 m/s, at a (0) distance from the muzzle, at 21±2°C, using standard proof barrel of 650mm	PENETRATION EFFECT	Completely penetrate 15mm steel plate (HB400), at a distance of 300m from the muzzle of the weapon.
ACCURACY AT 300M	Sa ≤ 25.5mm at 300m from the muzzle end, using standard proof barrel of 650mm length.	STORAGE TEMPERATURE	From -30°C to +55°C with daily temperature difference less than 10°C
MEAN CHAMBER PRESSURE	Pavg. max ≤ 4200 bar at 21±2°C, standard proof barrel, EPVAT using 6215 piezoelectric transducer, CIP	FUNCTIONING	Cartridges function all specified weapons without casualty at ambient Temperatures at -54°C and +52°C
BULLET EXTRACTION FORCE, MINIMUM	≥300 N	WATERPROOF	Cartridges are Waterproof (Bubbles Test)
OPERATING TEMPERATURE	-15°C to +50°C	MAXIMUM RANGE	6906m
SHELF LIFE (under Normal Storage & Temperature Conditions, minimum, years)	10 years		

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 12.7X99mm - JHC (.50 BMG Sniper Cartridge)

WITH 47.5G/733GR

Hardened Steel Core



CASE

Regular Material: Brass CuZn30

PRIMER

Boxer type, Non corrosive

PROPELLANT

Double/Single Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE
JHC	Brass shoe, Zinc coated	Hardened Steel core

DIMENSIONS & WEIGHT

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE LENGTH	CASE WEIGHT	BULLET LENGTH	BULLET WEIGHT
137.16mm - 138.43mm	~120g	98.88mm - 99.28mm	~57.0g	~59.70mm	~47.50g (733grain)

CHARACTERISTICS

VELOCITY, AVERAGE	880 ± 10 m/s, at a distance of 25m at 21±2°C, using standard proof barrel of 1143mm.	STORAGE TEMPERATURE	From -30°C to +55°C with daily temperature difference less than 10°C
ACCURACY AT 300M	Sa @300m ≤ 60 mm OR Sa @900m ≤ 200 mm Using standard proof barrel of 1143mm length	PENETRATION EFFECT	12mm steel plate, HB 360-400 at a distance of 500 m. OR 20mm Steel plate S235 JR at a distance of 1000m
MEAN CASE MOUTH PRESSURE+3SD	Mean case Mouth pressure +3SD ≤ 4500 bar at 21±2°C, standard proof barrel, EPVAT using 6215 piezoelectric transducer	FUNCTIONING	Cartridges function all specified weapons without casualty at 21°C, -54°C and +52°C
BULLET EXTRACTION FORCE, MINIMUM	≥ 900 N	WATERPROOF	Cartridges are Waterproof (Bubbles Test)
OPERATING TEMPERATURE	-15°C to +50°C	MAXIMUM RANGE	6835m
SHELF LIFE (under Normal Storage & Temperature Conditions, minimum, years)	10 years		

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. .338 (8.6x70mm) LAPUA MAGNUM

WITH 16.2 GM (250GR)

Solid CuZn Alloy Core



CASE

Regular Material: Brass CuZn30

PRIMER

Boxer type, Non corrosive

PROPELLANT

Double/Single Base

PROJECTILE TYPES

TYPE OF PROJECTILE	JACKET MATERIAL	CORE
Flat Nose Boat Tail	Solid CuZn alloy	Solid CuZn alloy

DIMENSIONS & WEIGHT

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	CASE LENGTH	CASE WEIGHT	BULLET WEIGHT
90.20mm - 91.50mm	~44.40g	68.60mm - 69.20mm	~23.0g	~16.2g/250 gr

CHARACTERISTICS

VELOCITY, AVERAGE	860 ± 15 m/s, at (0) meter distance at 21±2°C, using standard test barrel length of 650mm/twist rate 10".	ACCURACY TEST	100% radius ≤ 75mm at 300m from the muzzle end, using standard proof barrel of 650mm length
MEAN CHAMBER PRESSURE MAX,	Pavg. max ≤ 4200 bar at 21±2°C, standard proof barrel, EPVAT using 6215 piezoelectric transducer, CIP	PENETRATION EFFECT	12mm steel plate, HB 360-400 at a distance of 500 m. OR 20mm Steel plate S235 JR at a distance of 1000m
STORAGE TEMPERATURE	From -30°C to +55°C with daily temperature difference less than 10°C	FUNCTIONING	Cartridges function all specified weapons without casualty at ambient, -54°C and +52°C
BULLET EXTRACTION FORCE, MINIMUM	≥ 300 N	WATERPROOF	Cartridges are Waterproof (Bubbles Test)
OPERATING TEMPERATURE	-10°C to +50°C	MAXIMUM RANGE	4872m
SHELF LIFE (under Normal Storage & Temperature Conditions, minimum, years)	10 years		

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 12.7×99 / .50 Browning - AP

ARMOUR PIERCING EXPLOSIVE INCENDIARY TRACER (APEI-T)

Special Steel Alloy Core | 45.0 g / 695 gr



CARTRIDGE

PROJECTILE	AP with incendiary, explosive charge and tracer, 45.0 g / 695 gr
PROJECTILE MATERIAL	Special steel alloy core with pyrotechnical charge
CASE MATERIAL	CuZn – alloy
CARTRIDGE WEIGHT	119.0 g

PERFORMANCE

TERM OF REFERENCE	STANAG 4383
TEMPERATURE RANGE	–54 °C to +52 °C
MEAN VELOCITY AT 4 M	Approx. 900 m / s
MEAN ENERGY AT 4 M	Approx. 18 225 J
ACCURACY AT 550 M	Sa ≤ 300 mm
PENETRATION AT 100 M	22 mm of hardened steel
TRACER CHARGE	200 m - 1000 m

UN-CLASSIFICATION FOR DANGEROUS GOODS

DESCRIPTION	Cartridges for weapons, inert projectile
UN NUMBER & CLASSIFICATION CODE	UN 0339, 1.4 C

PACKAGING

MILITARY M2A1 METAL BOX	10 rounds - cardboard box, 120 rounds - M2A1 metal box, 6720 rounds - EU pallet
NOTES:	Other packaging material or sizes on customers request. Rounds can be delivered in bulk or linked with M9 links.

HUGHES PRECISION
ALWAYS ON TARGET

Special Purpose Ammunition



Cal. 12.7×99 / .50 Browning - AP

ARMOUR PIERCING EXPLOSIVE INCENDIARY (APEI)

Special Steel Alloy Core | 42.0 g / 648 gr



CARTRIDGE

PROJECTILE	AP with incendiary and explosive charge, 42.0 g / 648 gr
PROJECTILE MATERIAL	Special steel alloy core with pyrotechnical charge
CASE MATERIAL	CuZn – alloy
CARTRIDGE WEIGHT	116.0 g

PERFORMANCE

TERM OF REFERENCE	STANAG 4383
TEMPERATURE RANGE	–54 °C to +52 °C
MEAN VELOCITY AT 4 M	Approx. 900 m / s
MEAN ENERGY AT 4 M	Approx. 17 000 J
ACCURACY AT 550 M	Sa ≤ 300 mm
PENETRATION AT 100 M	22 mm of hardened steel

UN-CLASSIFICATION FOR DANGEROUS GOODS

DESCRIPTION	Cartridges for weapons, inert projectile
UN NUMBER & CLASSIFICATION CODE	UN 0339, 1.4 C

PACKAGING

MILITARY M2A1 METAL BOX	10 rounds - cardboard box, 120 rounds - M2A1 metal box, 6720 rounds - EU pallet
NOTES:	Other packaging material or sizes on customers request. Rounds can be delivered in bulk or linked with M9 links.

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Handgun Ammunition

Cal 32 Auto FMJ

Part Number - HPM/CC/32ACP



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	4,.6 g (71 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 7.8 g VELOCITY V12.5 310 ± 10 m/s	≤ 1600 Bar	1. 3200 rounds in a carton box 2. 1000 rounds in a carton box

Cal 32 S & W Long LRN

Part Number - HPM/CC/32S&W



BULLET	CASE	PROPELLANT	BULLET MASS
Lead with antimony	CuZn28/30	Single / Double base	~ 6 g (90 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 9 g VELOCITY V12.5 233 ± 10 m/s	≤ 1000 Bar	1000 rounds in a carton box

Cal 22 LRN

Part Number - HPM/CC/22LR

BULLET	CASE	PROPELLANT	BULLET MASS
Lead with antimony	CuZn28/30	Single / Double base	~ 2.6 g (40 gr)



PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 6.2 g VELOCITY V12.5 370 ± 10 m/s	≤ 1700 Bar	3000 rounds in a carton box

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Handgun Ammunition

Cal 7.62 Tokarev FMJ

Part Number - HPM/CC/7.62X25



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 5.5 g (85 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 11 g	≤ 2400 Bar	1. 1050 rounds 2. 1800 rounds 3. 500 rounds

VELOCITY V12.5

- 370 m/s +/- 20

Cal 380 Auto FMJ

Part Number - HPM/CC/380AUTO



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 6.1 g (95 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 9.5 g	≤ 2400 Bar	1. 1650 rounds in a carton box 2. 2400 rounds in a carton box

VELOCITY V12.5

300m/s +/- 15

Cal 38 Super FMJ

Part Number - HPM/CC/38SUP



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 8.4 g (130 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 13 g	≤ 2300 Bar	1. 1500 rounds in a carton box 2. 500 rounds in a carton box

VELOCITY V12.5

365 ± 15 m/s

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Handgun Ammunition

Cal 38 Special FMJ

Part Number - HPM/CC/38SP



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 8.4 g (130 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 13 g	≤ 1500 Bar	1050 rounds in a carton box

VELOCITY V12.5

300 ± 15 m/s

Cal 357 SIG FPJ

Part Number - HPM/CC/375SIG



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 8.1g (125 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 13.08 g	≤ 2758 Bar	1. 1500 rounds in a carton box 2. 500 rounds in a carton box

VELOCITY V12.5

410 ± 10 m/s

Cal 40 S & W FPJ

Part Number - HPM/CC/40S&W



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 11.7 g (180 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 16 g	≤ 2250 Bar	1. 1500 rounds in a carton box 2. 500 rounds in a carton box

VELOCITY V12.5

280 ± 25 m/s

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Handgun Ammunition

Cal 45 Auto SJHP

Part Number - HPM/CC/45AUTO



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 14.9 g (230 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Pistol Non Corrosive Non Mercuric Boxer	~ 21.5 g	≤ 1500 Bar	1. 1000 rounds in a carton box 2. 500 rounds in a carton box

VELOCITY V12.5

250 ± 15 m/s

Cal 5.7 X 28 mm

Part Number - HPM/CC/5728



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
Lead with antimony CuZn10	CuZn28/30	Single / Double base	~ 2.6 g (40 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Pistol Non Corrosive Non Mercuric Boxer	~ 6.50 g	≤ 3450 Bar	1500 rounds in a carton box

VELOCITY V12.5

717 ± 10 m/s

Cal 10 mm Auto

Part Number - HPM/CC/10 AUTO



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 11 g (170 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Pistol Non Corrosive Non Mercuric Boxer	~ 16 g	≤ 2300 Bar	1. 1500 rounds in a carton box 2. 500 rounds in a carton box

VELOCITY V12.5

330 ± 25 m/s

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Rifle Ammunition

Cal 223 Remington

Part Number - HPM/CC/223REM



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Double base	~ 3.56 g (55 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Rifle Non Corrosive Non Mercuric Boxer	~ 11.8 g	≤ 4100 Bar	2000 rounds in a carton box

VELOCITY V24

890 ± 12 m/s

Cal 300 AAC Blackout

Part Number - HPM/CC/300AAC



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 8 g (124 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Small Rifle Non Corrosive Non Mercuric Boxer	~ 15.23 g	≤ 3900 Bar	2000 rounds in a box

VELOCITY V24

675 ± 12 m/s

Cal 308 Winchester

Part Number - HPM/CC/308WIN



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Double base	~ 9.4 g (145 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Rifle Non Corrosive Non Mercuric Boxer	~ 24 g	≤ 4400 Bar	1200 rounds in a carton box

VELOCITY V24

817 ± 12 m/s

HUGHES PRECISION
ALWAYS ON TARGET

Reliable Rifle Ammunition

Cal 30-06 Springfield

Part Number - HPM/CC/30-06



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 14 g (220 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Rifle Non Corrosive Non Mercuric Boxer	~ 30.24 g	≤ 4100 Bar	1200 rounds in a carton box

VELOCITY V25

760 ± 12 m/s

Cal 300 Norma Magnum

Part Number - HPM/CC/300NM



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~ 14 g (220 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Rifle Non Corrosive Non Mercuric Boxer	~ 40.34 g	≤ 4400 Bar	1. 320 rounds in a carton box

VELOCITY V25

915 ± 12 m/s

Cal 338 Norma Magnum

Part Number - HPM/CC/338NM



BULLET HPBT	CASE	PROPELLANT	BULLET MASS
CuZn10 Lead Core	CuZn28/30	Single / Double base	~19.44 g (300 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Rifle Non Corrosive Non Mercuric Boxer	~ 46.28 g	≤ 4400 Bar	320 rounds in a carton box

VELOCITY V25

823 ± 12 m/s

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Reliable Rifle Ammunition

Cal 12 Gauge Shot Shell

Part Number - HPM/CC/12GAUGESS



LEAD BALL	CASE	PROPELLANT	PAY LOAD
6,5,4,2,BB & BBB	CuZn28/30	Single / Double base	~ 32 g

PRIMER	CARTRIDGE LENGTH	PRESSURE BAR	PACKAGING
Shot Shell Non Corrosive Non Mercuric	70 mm	≤ 540 Bar	320 rounds in a carton box

CASE CLOSURE	CARTRIDGE CAP	WAD	VELOCITY V_9
Star Crimp	Brass	Plastic	350 ± 15.2 m/s

Cal 315

Part Number –HPM/CC/315



BULLET FMJ	CASE	PROPELLANT	BULLET MASS
Lead with Antimony CuZn10	CuZn28/30	Single / Double base	~ 15 g (230 gr)

PRIMER	CARTRIDGE MASS	PRESSURE BAR	PACKAGING
Large Rifle Non Corrosive Non Mercuric Boxer	30.00 g VELOCITY V_{25} 610 ± 15 m/s	≤ 3550 Bar	1200 rounds in a carton box

.357 Magnum

Part Number - HPM/CC/357MAG



BULLET	VELOCITY	PRESSURE
JHP 125 gr	420 m/s +/- 15 m/s	≤ 2400 Bar

ISO CERTIFICATIONS

Hughes Precision Manufacturing complies with ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, and ISO 27001: 2022 standards for the manufacturing and testing of small caliber ammunition and arms.



ICV

Certificate of Registration

This is to certify that the Management System of

HUGHES PRECISION MANUFACTURING PRIVATE LIMITED

Plot No. 99-102, N.H.17, Verna Industrial Estate, Salcete, South Goa - 403722, India.

has been audited by ICV and found to be in compliance with the requirements of the standard

ISO 9001:2015

(Quality Management Systems)

This certificate is valid for the following scope:

Manufacture and Proof Testing of Small Caliber Ammunition and Arms.

Certificate No.	:IN/26423630/1954
Certificate Issue Date	:05/03/2026
1st Surveillance Due Date	:05/02/2027
2nd Surveillance Due Date	:05/02/2028
Date of Expiry	:04/03/2029

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ICV ASSESSMENTS PVT. LTD.
B - 53, 1st Floor, Sector - 64, Noida, UP - 201301.
+91 - 0120-4411176, info@icvassessments.com, www.icvassessments.com

• Validity of this Certificate is subject to completion of surveillance audit on or before of due date. In case Surveillance audit not allowed to be conducted this Certificate shall be suspended / withdrawal.
• This Certificate is intellectual Property of ICV and Certificate should be returned to ICV in case of non compliance of certification procedure. Authenticity of this certificate can be verified at www.icvassessments.com



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ISO 14001:2015

(Environmental Management Systems)

This certificate is valid for the following scope:

Manufacture and Proof Testing of Small Caliber Ammunition and Arms.

Certificate No.	:IN/65423585/1875
Certificate Issue Date	:28/02/2026
1st Surveillance Due Date	:28/01/2027
2nd Surveillance Due Date	:28/01/2028
Date of Expiry	:27/02/2029

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has been audited by ICV and found to be in compliance with the requirements of the standard

ISO 45001:2018

(Occupational Health and Safety Management Systems)

This certificate is valid for the following scope:

Manufacture and Proof Testing of Small Caliber Ammunition and Arms.

Certificate No.	:IN/30923586/1954
Certificate Issue Date	:28/02/2026
1st Surveillance Due Date	:28/01/2027
2nd Surveillance Due Date	:28/01/2028
Date of Expiry	:27/02/2029

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HUGHES PRECISION MANUFACTURING PRIVATE LIMITED

Plot No. 99-102, N.H.17, Verna Industrial Estate, Salcete, South Goa - 403722, India.

has been audited by ICV and found to be in compliance with the requirements of the standard

ISO 27001:2022

(Information Security Management Systems)

This certificate is valid for the following scope:

Provision of Information Security Management System for Proof Testing of Small Caliber Ammunition and Arms.
HPMPL/SOA/01 Ver 00 Date - 19/10/2025

Certificate No.	:IN/80123587/9487
Certificate Issue Date	:28/02/2026
1st Surveillance Due Date	:28/01/2027
2nd Surveillance Due Date	:28/01/2028
Date of Expiry	:27/02/2029

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AMMUNITION PACKING

Hughes ammunition packing is designed to ensure product reliability and durability, both in storage and transit.

Our robust package design protects ammunition against climatic variations and ensures complete reliability for it's entire shelf life.





HUGHES PRECISION

ALWAYS ON TARGET

www.hughesprecisionm.com



Hughes Precision Manufacturing Pvt. Ltd.

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