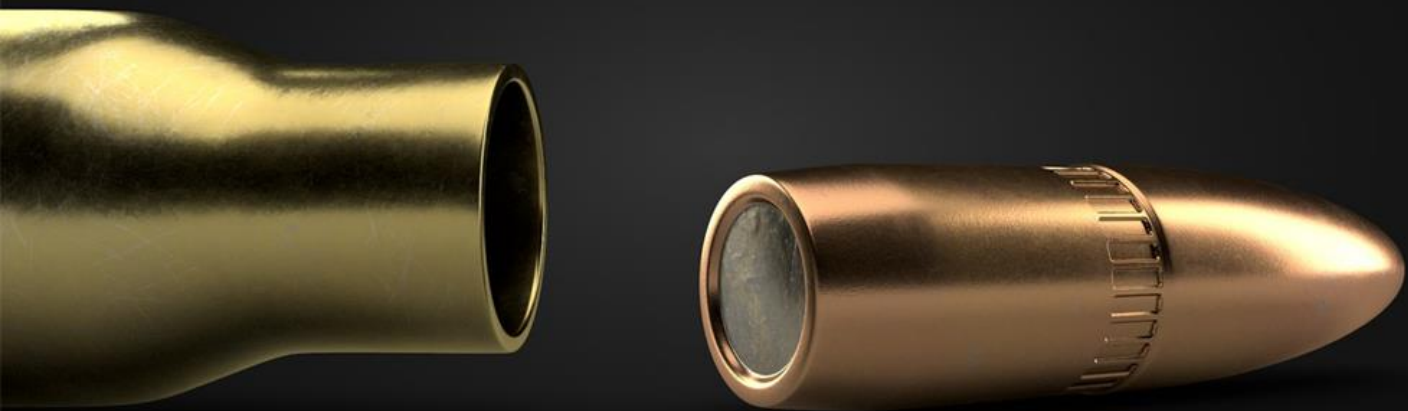




AMMUNITION

Made In China





5.56x45 Cartridges

	5.56x45 BALL M193	5.56x45 BALL SS 109/M85	5.56x45 TRACER M196	5.56x45 TRACER L110	5.56x45 TRACER M856
Bullet	Brass jacket Lead core	Brass jacket Steel core Lead cylinder	Brass jacket Lead core Tracer compound Sealing Cap	GMCS jacket, Lead core Tracer compound Sealing Cap	GMCS jacket, Lead core Tracer compound Sealing Cap
Case	Brass				
Primer	Boxer Non-corrosive Primer				
Propellant	Double-base				
Cartridge Length	57.1mm	57.1mm	57.1mm	57.1mm	57.1mm
Cartridge Weight	11.6g	12.2g	11.8g	12.25g	12.25g
Bullet Weight	3.56g	4g	3.52g	4.1g	3.9g
Velocity (V_{25})	965±12.2m/s	915±12.2m/s	950±12.2m/s	875±12.2m/s	911±12.2m/s
Chamber pressure	≤358.5MPa	≤358.5MPa	≤358.5MPa	≤358.5MPa	≤358.5MPa
Packing 1	40rds/paper parcel, 20 parcels/galvanized iron box, 2 iron boxes (1600rds)/wooden case, G.W.:24Kg 470x340x150mm = 0.024m ³				
Packing 2	20rds/carton, 80 cartons/plastic bag, 1600rds/wooden case, G.W.:22Kg 470x340x150mm = 0.024m ³				
Packing 3	10rds/clip, 2 clips/carton, 7 cartons/cloth bag, 6 cloth bags/USA galvanized iron box 1680rds/USA wooden case, G.W.: 30 Kg 370x350x210mm = 0.0249m ³				



7.62x39 Cartridges

	7.62x39 BALL	7.62x39 TRACER	7.62x39 AP	7.62x39 API	7.62x39 BLANK
Bullet	GMCS jacket, Steel core, lead sheath	GMCS jacket, plastic core, lead core, tracer composition cylinder, sealing cap	GMCS jacket, AP Steel core, lead sheath	GMCS jacket, AP Steel core, lead sheath, Brass bullet cap, lead base, incendiary compound	NO BULLET
Case	GMCS (Copper clad metal)				
Primer	Berdan Non-corrosive Primer				
Propellant	Single-base				
Cartridge Length	55.5mm	55.5mm	55.5mm	55.5mm	47.9mm
Cartridge Weight	16.56g	16.22g	16.30g	16.30g	8.1g
Bullet Weight	7.9g	7.75g	8.0g	7.72g	No Bullet
Velocity (V ₂₅)	717.5±7.5m/s	710±10m/s	747±10m/s	732.5±7.5m/s	-
Chamber pressure	≤274.6 MPa	≤280 MPa	≤274.6 MPa	≤274.6 MPa	-
Packing	25rds/paper parcel, 30parcels/galvanized iron box, 2 iron boxes (1500rds)/wooden case				
Dimension	470x340x150mm = 0.024m ³				
Gross Weight	30Kg	30Kg	30Kg	30Kg	17Kg



7.62x51mm GMCS Cartridges

	7.62x51 BALL GMCS	7.62x51 TRACER	7.62x51 AP	7.62x51 BLANK
Bullet	GMCS jacket, Lead core	GMCS jacket lead core, tracer compound , sealing cap	GMCS jacket, AP Steel core, lead sheath, lead gasket	NO BULLET
Case	GMCS (Copper clad metal)			
Primer	Berdan Non-corrosive Primer			
Propellant	Single-base			
Cartridge Length	70.6mm	70.6mm	70.6mm	63.65mm
Cartridge Weight	23.1g	22.6g	23.1g	11.7g
Bullet Weight	9.3g	8.95g	9.26g	No Bullet
Velocity (V ₂₅)	717.5±7.5m/s	710±10m/s	747±10m/s	-
Chamber pressure	≤325MPa	≤325MPa	≤344.6 MPa	-
Packing 1	40rds/paper parcel, 20parcels/galvanized iron box, 2 iron boxes, 1600rds/wooden case Dimension: 470x340x150mm = 0.024m ³			
Gross Weight 1	24Kg	24Kg	24Kg	24Kg
Packing 2	100rds/link, 4 links/American galvanized iron box, 800rds/wooden case Dimension: 370x350x220mm = 0.0285m ³			
Gross Weight 2	32Kg	-	32Kg	-
Packing 3	100rds/link, 4 links/American galvanized iron box, 800rds/wooden case Dimension: 370x350x220mm = 0.0285m ³			
Gross Weight 3	28Kg	-	28Kg	-



7.62x51mm BRASS Cartridges

	7.62x51 BALL	7.62x51 TRACER	7.62x51 AP	7.62x51 BLANK
Bullet	Brass jacket, Lead core	GMCS jacket lead core, tracer compound , sealing cap	GMCS jacket, AP Steel core, lead sheath, lead gasket	NO BULLET
Case	GMCS (Copper clad metal)			
Primer	Berdan Non-corrosive Primer			
Propellant	Single-base			
Cartridge Length	70.6mm	70.6mm	70.6mm	63.65mm
Cartridge Weight	23.1g	23.22g	23.9g	12.6MPa
Bullet Weight	9.3g	8.95g	9.26g	No Bullet
Velocity (V ₂₅)	837±15m/s	837±15m/s	837±15m/s	-
Chamber pressure	=<325MPa	=<325MPa	=<344.6 MPa	-
Packing 1	40rds/paper parcel, 20parcels/galvanized iron box, 2 iron boxes, 1600rds/wooden case Dimension: 470x340x150mm = 0.024m ³			
Gross Weight 1	24Kg	24Kg	24Kg	24Kg
Packing 2	100rds/link, 4 links/American galvanized iron box, 800rds/wooden case Dimension: 370x350x220mm = 0.0285m ³			
Gross Weight 2	32Kg	-	32Kg	-
Packing 3	100rds/link, 4 links/American galvanized iron box, 800rds/wooden case Dimension: 370x350x220mm = 0.0285m ³			
Gross Weight 3	28Kg	-	28Kg	-



7.62x54mm Cartridges

	7.62x54 BALL	7.62x54 TRACER	7.62x54 AP	7.62x54 BLANK
Bullet	GMCS jacket, Lead core	GMCS jacket, plastic core, lead core, tracer composition cylinder, sealing cap	GMCS jacket, AP Steel core, lead sheath, lead gasket, incendiary compound	NO BULLET
Case	GMCS (Copper clad metal)			
Primer	Berdan Non-corrosive Primer			
Propellant	Single-base			
Cartridge Length	70.6mm	70.6mm	70.6mm	63.65mm
Cartridge Weight	76.3g	76.3g	76.3g	52.7mm
Bullet Weight	9.6g	9.37g	10.45g	No Bullet
Velocity (V ₂₅)	827.5±7.5m/s	810±7.5m/s	807.5±7.5m/s	-
Chamber pressure	≤294.2MPa	≤300MPa	≤294.2 MPa	-
Packing	125rds/paper parcel, 4 parcels/galvanized iron box, 2 iron boxes, 1000rds/wooden case Dimension: 470x340x150mm = 0.024m ³			
Gross Weight	28Kg	28Kg	28Kg	30Kg



7.62x51mm & 7.62x54mm Sniping High Accuracy Cartridges

	7.62x51	7.62x54
Bullet	Brass jacket, Lead core	Brass jacket, Lead core
Case	Brass	GMSC
Primer	Berdan Non-corrosive Primer	
Propellant	Single-base	
Cartridge Length	70.72mm	76.5mm
Cartridge Weight	25.85g	23.95g
Bullet Weight	11.5g	11.1g
Velocity (V ₂₅)	785±10m/s	780±10m/s
Chamber pressure	≤355MPa	≤300MPa
ACCURACY	Dispersion at 100m≤2.9 cm	Dispersion at 100m≤3.5 cm
Packing	10rds/plastic box 30 plastic boxes USA galvanized iron box 2 iron boxes (600 rds)/wooden case	5rds/plastic box 42 cartons USA galvanized iron box 2 iron boxes (420 rds)/wooden case
Dimension	420x330x210mm = 0.029m ³	
Gross weight	29Kg	21Kg



12.7x108mm Cartridges

	12.7x108mm API	12.7x108mm API-T	12.7x108mm SNIPER	12.7x108mm APDS
Bullet	GMCS jacket, Steel core Lead sheath incendiary compound	GMCS jacket, plastic core, Tracer composition Tube incendiary compound	GMCS jacket, AP Steel core, Lead sheath,	Breech aluminum stock Tungsten core Upper stock Wind shield Tracer tube
Case	Painting Steel			
Primer	Berdan Non-corrosive Primer			
Propellant	Single Base	Single Base	Single Base	Double Base
Cartridge Length	145.5 - 147mm	145.5 - 147mm	145.5 - 147mm	145.5 - 147mm
Cartridge Weight	116 - 126g	116 - 132g	=<130g	98.7 - 108,7g
Bullet Weight	47.4 – 49g	45 – 47g	45.3 – 46.8g	27.2 – 28.7g
Velocity (V ₂₅)	820±5m/s	820±5m/s	857.5±7.5m/s	1125m/s
Chamber pressure	=<294.3MPa	=<294.2MPa	=<324MPa	=<326.3MPa
Packing	85rds/galvanized iron box, 2 iron boxes 170rds/wooden case Dimension: 470x340x130mm = 0.021m ³			
Gross Weight	26Kg	26Kg	26Kg	26Kg



12.7x99mm (.50) Cartridges

	12.7x99mm BALL M33	12.7x99mm TRACER M17	12.7x99mm APIT M20	12.7x99mm API M8	12.7x99mm API M2
Bullet	Brass Jacket Steel core Borax	Brass Jacket Lead core Tracer composition tube	Brass Jacket, Hard steel core with pressed tracer composition tube, Incendiary compound	Brass Jacket, Hard steel core, Lead base, Incendiary compound	Brass Jacket, Hard steel core, Flammable aluminum powder
Case	3/7 Brass	Brass	3/7 Brass	3/7 Brass	Brass
Primer	Boxer Non-corrosive Primer				
Propellant	Single-base				
Cartridge Length	137.16 – 138.43mm	137.16 – 138.43mm	137.16 – 138.43mm	137.16 – 138.43mm	137.2 – 138.5mm
Cartridge Weight	116g	116g	116g	116g	116g
Bullet Weight	42.2-43.85g	40.2-41.85g	40.6-42.9g	42.5-44.8g	43.35-45.65g
Velocity (V ₂₅)	887.5±9m/s	872±12m/s	887±9m/s	887±9m/s	847±9m/s
Chamber pressure	≤350MPa	≤350MPa	≤350MPa	≤350MPa	≤350MPa
Packing 1	150rds/Galvanized iron box, 2 iron boxes (300rds)/wooden case Dimension: 373x328x207mm = 0.026m ³ Gross weight: 45 Kg				
Packing 2	100rds (M9 Link Belt)/Iron box, 2 iron boxes (200rds)/wooden case Dimension: 440x410x270mm = 0.049m ³ Gross weight: 35 Kg				

LINK BELT



5.56x45mm M27 Link Belt
7.62x51mm M13 Link Belt, AA52 Link Belt, Dm1 Link Belt
7.62x39mm Type 56 Link Belt
7.62x54mm Type 53 Link Belt, Type 67-2 Link Belt
12.7x99mm M2 Link Belt, M9 Link Belt
12.7x108mm AAG Link Belt, Aircraft Gun Link Belt
14.5x116mm Type 56 Link Belt, 5 Link Belt
20mm M14A2 Link Belt
23x115mm AAG Link Belt
23X152mm Aircraft Gun Link Belt
30mm AAG Link Belt
40x53mm High Velocity grenade Link Belt



AA GUNS AMMO



23x152mm AA GUN Ammo

For the use by Chinese 23mm AA gun type 85, GIANT BOW 23mm AA Guns and Russian 23mm ZSU-23

	23x152mm HEI	23x152mm HEI-T	23x152mm API-T
Bullet	Fuse, Bullet body, Explosive stick	Fuse, Bullet body, Explosive stick Tracing compound	Ballistic cap, Bullet body, Explosive stick Tracing compound
Case	Painting Steel		
Primer	Boxer Non-corrosive Primer		
Propellant	Single Base	Single Base	Double Base
Cartridge Length	223.8 – 236.5mm	234.09 – 236mm	233.81 – 236.23mm
Cartridge Weight	450g	450g	450g
Bullet Weight	188.5g	188.5g	189±2.5g
Velocity (V ₂₅)	980±10m/s	980±10m/s	980±10m/ss
Chamber pressure	≤296MPa	≤296MPa	≤296MPa
Max. Firing Range	2500m	2500m	2500m
Max. Firing Height	1500m	1500m	1500m
Tracing Time	-	5s	5s
Self destruction time	5-11s	5-11s	-
Packing	21rds/galvanized iron box, 3 iron boxes 63rds/wooden case Dimension: 821x391x170mm = 0.021m ³		
Gross Weight	45Kg	45Kg	45Kg



23x115mm Aircraft Auto Cannon Ammo

For the use by 23x115mm aircraft automatic cannon

	23x115mm HEI	23x115mm API	23x115mm API-T
Bullet	Fuse, Bullet body, Explosive stick	Ballistic cap Bullet body, Explosive stick	Ballistic cap, Bullet body, Explosive stick Tracing compound
Case	Painting Steel		
Primer	Boxer Non-corrosive Primer		
Propellant	Single Base	Single Base	Double Base
Cartridge Length	198 – 200.53mm	197.86 – 200.66mm	197.86 – 200.66mm
Cartridge Weight	315g	315g	315g
Bullet Weight	171-177g	171-177g	171-177g
Velocity (V ₂₅)	720±10m/s	720±10m/s	720±10m/s
Chamber pressure	≤284.4MPa	≤284.4MPa	≤284.4MPa
Tracing Time	-	-	1.5s
Self destruction time	4-14s	-	-
Packing	44rds/galvanized iron box, 3 iron boxes 132rds/wooden case Dimension: 838x396x212mm = 0.021m ³		
Gross Weight	60Kg	60Kg	60Kg



25mm AA Gun Ammo

For the use by Chinese 25x183mm Self Propelled AA gun and other 25x183 automatic cannon

	25mm HE	25mm HE	25mm HE-T	25mm APDS-T	25mm API-T
Total Length	283mm	283mm	283mm	283mm	283mm
Total Weight	0.69Kg	0.67Kg	0.69Kg	0.574Kg	0.69Kg
Weight of Projectile	0.25Kg	0.23Kg	0.25Kg	0.135Kg	0.25Kg
Muzzle Velocity	1050±10m/s	1075±10m/s	1050±10m/s	1350±20m/s	1050±10m/s
Max Chamber pressure	314MPa	314MPa	314MPa	338MPa	314MPa
Muzzle Safety Distance	18m	18m	18m	-	18m
Reliable Arming Distance	200m	200m	200m	-	-
Max Firing Height	2300m	2300m	2300m	2550m	2300m
Tracer time	-	-	5s	1.5s	5s
Self Destruction time	4.5 to 9.5s	4.5 to 9.5s	4.5 to 9.5s	-	-
Accuracy Dispersion 1000m Vertical Target	EyxEz =<0.9x0.8m	EyxEz =<0.7x0.7m	EyxEz =<0.9x0.8m	EyxEz =<0.7x0.5m	EyxEz =<0.7x0.5m



30mm AA Gun Ammo

For the use by Russian 2442, 2438, 2a72 30mm guns fitted on various vehicles turrets, Russian AK630 30mm six-barrel naval guns and Chinese 730B 30mm seven barrel guns fitted on LD2000 Ground -Based Close -in weapon system, respectively

	30mm HEI	30mm APDS-T	30mm HEI-T	30mm AP-T	30mm TP-T
Total Length	=<293mm	=<265mm	=<293mm	=<293mm	=<293mm
Total Weight	0.839Kg	0.754Kg	0.837Kg	0.853Kg	0.837Kg
Weight of Projectile	0.389Kg	0.287Kg	0.389Kg	0.135Kg	0.389Kg
Muzzle Velocity	960±10m/s	1170±10m/s	960±15m/s	1350±20m/s	1050±10m/s
Max Chamber pressure	360MPa	360MPa	360MPa	360MPa	360MPa
Muzzle Safety Distance	20m	-	18m	-	-
Max Firing Height	4000m	3000m	4000m	3000m	2300m
Tracer time	-	1.5s	10s	3.5s	10s
Self Destruction time	9 to 24s	-	7 to 24s	-	-
Accuracy Dispersion 1000m Vertical Target	EyxEz =<1x1m	EyxEz =<0.5x0.5m	EyxEz =<0.9x0.9m	EyxEz =<0.9x0.9m	EyxEz =<0.9x0.9m

MORTAR SHELLS



60mm Mortar Shell

	HE Type 63	HE General Shell Type 63	HE Type PP89	HEI Steel Ball Type PP93	HE Type PP93
Applied Mortar	60mm Mortar Type 63	60mm Mortar Type 63, PP89, PP93, WW90	60mm Mortar Type PP89	60mm Type WW90/PP93	60mm Type WW90/PP93
Flying weight	1.33Kg	1.8Kg	1.36Kg	2.18Kg	2.18Kg
Shell total length	239mm Fuze MP-1B/MP-5F	337mm Fuze MP-5EB 331m Fuze MP-5F	252.5mm Fuze DRP11C 249.5mm Fuze MP-5EB 243,5MM Fuze MP-5F	403mm Fuze DRP11C 405mm Fuze DRR01	380mm Fuze DRP11C 377mm Fuze MP5EB
Max. range	$\geq 1430\text{m}$ (Charge No 3)	$\geq 4900\text{m}$ Charge No 6)	$\geq 2860\text{m}$ (Charge No 3)	$\geq 5500\text{m}$ (Charge No 9)	$\geq 5500\text{m}$ (Charge No 9)
Min. range	N/A	$\leq 160\text{m}$	$\leq 160\text{m}$	N/A	
Ground dispersion at max range	$r_x \leq 1/70$, $r_z \leq 1/180$	$r_x \leq 1/100$, $r_z \leq 1/200$	$r_x \leq 1/100$, $r_z \leq 1/200$	$r_x \leq 1/130$, $r_z \leq 1/300$	$r_x \leq 1/110$, $r_z \leq 1/250$
Lethal radius	$\geq 10\text{m}$	$\geq 17\text{m}$	$\geq 15\text{m}$	$\geq 23\text{m}$	$\geq 17\text{m}$
Incendiary radius	N/A	N/A	N/A	$\geq 12\text{m}$	N/A
Operation temperature	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$
Storage life	15 years	15 years	15 years	15 years	15 years
Packing	Wooden boxes, 570x290x200mm Gross 24Kg, 12rds/box	Wooden boxes, 570x290x200mm Gross 24Kg, 12rds/box	Wooden boxes, 630x310x250mm Gross 24Kg, 12rds/box	Wooden boxes, 580x400x260mm Gross 32Kg, 8rds/box	Wooden boxes, 580x400x260mm Gross 32Kg, 8rds/box



81- 82 - 120 mm Mortar Shell

	81mm HE Type W87	82mm Long Range HE Type PP7	120mm HE Type W86
Applied Mortar	81mm Mortar Shell type W87	82mm Mortar Long Range Shell type PP87	120mm Mortar Shell type W86
Flying weight	4.2Kg	4.2Kg	13.8Kg
Shell total length	482mm Fuze DRP11W, MP-8	482mm Fuze DRP11W, MP-8	700mm Fuze DRP11W, MP-8
Max. range	$\geq 6000\text{m}$ (Charge No 8)	$\geq 4900\text{m}$ Charge No 6)	$\geq 7700\text{m}$ (Charge No 4)
Min. range	N/A	$\leq 160\text{m}$	$\leq 160\text{m}$
Ground dispersion at max range	$r_x \leq 1/130$, $r_z \leq 1/250$	$r_x \leq 1/160$, $r_z \leq 1/300$	$r_x \leq 1/150$, $r_z \leq 1/300$
Lethal radius	$\geq 22\text{m}$	$\geq 22\text{m}$	$\geq 28\text{m}$
Incendiary radius	N/A	N/A	N/A
Operation temperature	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$	$-40^{\circ}\text{C} - 50^{\circ}\text{C}$
Storage life	15 years	15 years	15 years
Packing	Wooden boxes, 690x380x300m Gross 42Kg 6rds/box	Wooden boxes, 690x380x300m Gross 42Kg 6rds/box	Wooden boxes, 710x440x210m Gross 42Kg 2rds/box

ROCKETS/GRENADES



RPG Grenade PG-7V

This projectile (**40mm Rocket – HOLLOW CHARGE SHELL TYPE 69**) is used to destroy tank of enemy, self-propelled gun, armored vehicles and reinforced concrete shelters etc.

Suitable weapon: 40mm rocket launcher type RPG-7, 69, 69-1 and 40mm foldable rocket launcher type 2004

Specifications

Total weight (with primer): 2.25 kg
Length (with primer): 925mm
Caliber: 40
Diameter of Shell: 85mm
Wingspan: 282mm
Effective Range: 350m
Maximum Range: 500m
Armor Piercing Capability: >260mm
Muzzle velocity: 120m/s
Maximum Speed: 300m/s
Dispersion (300m vertical target): (0.45m × 0.45m)
Operation Temperature: -40°C ~ +55°C
Effective Storage Period: 10 year

Packing

Inner: Polyethylene packing cylinder
Outer: Wooden box, 74 x 39 x 25 (cm)
Quantity per box: 6 rounds
Gross weight: 28 Kg



RPG Grenade PG-7V

This rocket (**40MM TANDEM HOLLOW CHARGE HEAT SHELL TYPE BKJ2**) is a new type of rocket-assisted high explosive antitank projectile.

It use two hollow charge warheads tandem technique, which ensure that follow-up ammunition(the second charge)can successfully penetrate a block of 180mm/65° homogenous armor after this rocket destroyed the first generation explosive reactive armor (ERA) on the homogenous armor, armor piercing rate is no less than 70%.

It can destroy tanks (including those with ERA) and other armored vehicles, and also attack self-propelled guns and reinforced concrete walls, etc. It is an easily carried and operated individual anti-tank rocket.

Suitable weapon: 40mm rocket launcher type RPG-7, 69, 69-1 and 40mm foldable rocket launcher type 2004

Specifications

Caliber: 40mm

Diameter of shell: 96mm

Length of shell: 1080mm

Weight of shell: 3kg

Muzzle velocity: $\geq 105\text{m/s}$

Armor penetration power penetrate a block of 180mm/65°
homogenous armor beyond one layer of the first generation ERA
Armor piercing rate $\geq 70\%$

Effective range: 300m

Consistency of standing target at 300m: 0.45m x 0.45m

Operational temperature range -40°C ~ +55°C

Effective storage period 10 years Packing

Packing

Inner: Polyethylene packing cylinder

Outer: Wooden box, 91 x 44 x 30 (cm)

Quantity per box: 6 rounds

Gross weight: 38 Kg



RPG Grenade PG-7VR

This rocket (**40MM TANDEM HOLLOW-CHARGE HEAT SHELL TYPE BKJ4**) is a new type of rocket-assisted high explosive antitank projectile.

It use two hollow charge warheads tandem technique, which ensure that follow-up ammunition(the second charge)can successfully penetrate a block of 180mm/65° homogenous armor after this rocket destroyed the first generation explosive reactive armor (ERA) on the homogenous armor, armor piercing rate is no less than 70%.

It can destroy tanks (including those with ERA) and other armored vehicles, and also attack self-propelled guns and reinforced concrete walls, etc. It is an easily carried and operated individual anti-tank rocket.

Suitable weapon: 40mm rocket launcher type RPG-7, 69, 69-1 and 40mm foldable rocket launcher type 2004

Specifications

Caliber: 40mm

Diameter of shell: 105mm

Length of shell: 1200mm

Weight of shell: 4.1kg

Penetration: 220mm/68° RHA with ERA or reinforced concrete at 1100m

Effective range: 200m (direct trajectory) and 1100m (curved trajectory)

Operational temperature range -40°C ~ +55°C

Effective storage period 10 years Packing

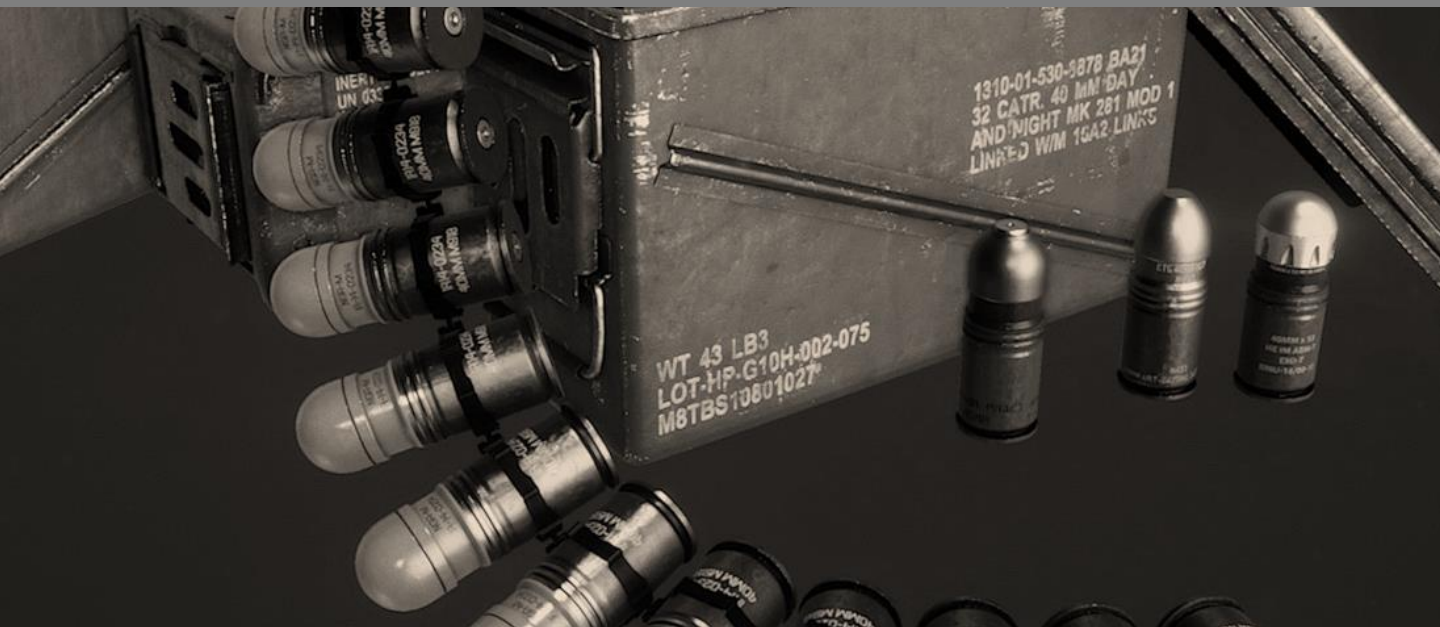
Packing

N/A Information



GUN LAUNCHED GRENADES

	40x46mm HE Grenade Type BGL2	40x53mm HE Grenade Type BGL3	40x53mm AGL HEDP Grenade Type BGJ5
Total Length	98mm	112mm	112mm
Total Weight	228gr	=<340gr	=<340gr
Muzzle Velocity	76m/s	>=240m/s	>=240m/s
Max Chamber Pressure	=<21Mpa	=<83Mpa	N/A
Max. Range	>=400m	>=2200m	>=2200m
Penetration Power (Rate against armor steel plate of 76mm	N/A	N/A	>=85%
Effective lethal radius	>=8m	>=7m	>=7m
Dispersion	N/A	N/A	Ez x Ex<=0.7x1.7% Ground target at 2200m from muzzle
Effective lethal fragments	>=200pcs	>=300pcs	N/A
Reliable arming distance	=<28m	=<35m	=<35m
Operation environment temperature	-40°C – 55°C	-40°C – 50°C	-40°C – 50°C
Storage Life	15 years	15 years	15 years



GUN LAUNCHED GRENADES

	40x53mm Air Burst HE Grenade Type BGL3A	40x53mm HEI Grenade Type BGH1	40x53mm Incendiary Grenade aaa
Total Length	112mm	112mm	112mm
Total Weight	=<340gr	=<340gr	=<340gr
Muzzle Velocity	>=240m/s	>=240m/s	>=240m/s
Max Chamber Pressure	N/A	N/A	N/A
Max. Range	N/A	>=2200m	>=2200m
Burning temperature	N/A	N/A	>=1200°C (Duration >=60 sec)
Effective lethal radius	>=8m	>=7m	>=7m
Effective Ignition radius	N/A	>=7m	
Security distance	N/A	>-8M	
Dispersion	Ez x Ex<=0.6x1.2m Vertical target at 800m from muzzle	N/A	N/A
Effective lethal fragments	N/A	N/A	N/A
Reliable arming distance	<=35m	=<30m	=<30m
Operation environment temperature	-40°C – 50°C	-40°C – 50°C	-45°C – 55°C
Storage Life	15 years	15 years	15 years



RIOT GRENADES

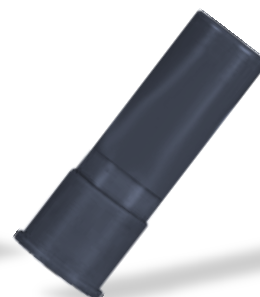
RIOT CONTROL GRENADES

	38mm Tear Gas Shell Gun fired & Hand Throw	38mm Color Smoke Shell Gun fired & Hand Throw	38mm Smoke Tear Gas Shell Gun fired
Caliber	38mm	38mm	38mm
Total Length	<=122.5mm	<=122.5mm	<=122.5mm
Total weight	<=148g	<=148g	<=135g
Max Range	>=110m Traditional gun) >=220m (Rifling Gun)	>=110m Traditional gun) >=220m (Rifling Gun)	>=120m Traditional gun) >=220m (Rifling Gun)
Hand throw delay time	2s – 3s	2s – 3s	2s – 3s
Ground Dispersion at max range	N/A	N/A	Ex*Ez <=8mx6m
Chemical casualty area	N/A	N/A	300m2
Delay time	N/A	N/A	1.5s +/- 0.5s
Gas emission time	<=20s	<=20s	<=20s
Applicable temperature	-30°C – 45°C	-30°C – 45°C	-30°C – 45°C
Storage time	>=5 years	>=5 years	>=5 years
Chemical Casualty Area	150m2	N/A	N/A
Package	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm



RIOT CONTROL GRENADES

	38mm Explosive Tear Gas Grenade	38mm Gun fired Color Smoke Shell	38mm Gun Fired Rubber Ball Shell 21 Rubbers
Caliber	38mm	38mm	38mm
Total Length	$\leq 122.5\text{mm}$	$\leq 122.5\text{mm}$	$\leq 122.5\text{mm}$
Total weight	$\leq 135\text{g}$	$\leq 135\text{g}$	$\leq 110\text{g}$
Max Range	$\geq 120\text{m}$	$\geq 120\text{m}$	5m – 30m
Power	N/A	N/A	5m E Kinetic Energy $\leq 27\text{J}$ E than Kinetic Energy $\leq 10\text{J/Cm}^2$ E Kinetic Energy $\leq 4\text{J}$ E than Kinetic Energy $\leq 0.5\text{J/Cm}^2$
Ammunition type	N/A	Colored Smoke Agent	N/A
Ground Dispersion at max range	$\text{Ex}^*\text{Ez} \leq 8\text{m} \times 6\text{m}$	$\text{Ex}^*\text{Ez} \leq 8\text{m} \times 6\text{m}$	N/A
Chemical casualty area	300m ²	N/A	N/A
Delay time	N/A	1.5s +/- 0.5s	N/A
Gas emission time	N/A	$\leq 20\text{s}$	N/A
Applicable temperature	-30°C – 45°C	-30°C – 45°C	-30°C – 45°C
Storage time	≥ 5 years	≥ 5 years	≥ 5 years
Chemical Casualty Area	N/A	N/A	N/A
Package	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm



RIOT CONTROL GRENADES

	38mm Multi Projective Smoke Tear Gas Shell	38mm Explosion Stunning Shell	48mm Hand Throw Smoke Shell
Caliber	38mm	38mm	48mm (Case material Aluminum & Plastic)
Total Length	$\leq 160\text{mm}$	$\leq 122.5\text{mm}$	96 $\pm$ 1mm / 91 $\pm$ 1mm
Total weight	$\leq 175\text{g}$	$\leq 170\text{g}$	20 $\pm$ 5g / 130 $\pm$ 5g
Max Range	40m – 80m	$\geq 130\text{m}$	$\geq 100\text{m}$
Single smoke emission time	$\leq 20\text{s}$ (Normal temperature)	N/A	15-30sec
Projectile number	3	N/A	N/A
Power	N/A	Sound Level 150DB – 170dB at 5m	N/A
Flash Intensity	N/A	1.5x10 ⁷ cd to 3.5x10 ⁷ cd	N/A
Safety radius	N/A	$\leq 0.5\text{m}$	N/A
Ground Dispersion at max range	Under Normal temperature, radius of 3 projectiles spread center at max range $R_{100} \leq 15\text{m}$	N/A	N/A
Chemical casualty area	600m ²	N/A	N/A
Delay time	1.5s $\pm$ 0.5s	N/A	Delay ignition 2-3sec
Applicable temperature	-30°C – 45°C	-30°C – 45°C	N/A
Storage time	≥ 5 years	≥ 8 years	≥ 5 years
Color of smoke	N/A	N/A	Red, Yellow, Blue, Orange, White
Package	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	50 round / wooden box Weight 18Kg/Box Pack size 685x366x221mm	Aluminum-Plastic bag and wooden box of 50 rnds Pack size 660x330x220mm Gross Weight 22Kg



RIOT CONTROL GRENADES

38mm CS Tear Gas Shell (Aluminum Shell)

	Gun Fire Tear Gas	Dual Purpose Tear Gas	Electric Ignition Tear Gas
Case Material	Aluminum	Aluminum	Aluminum
Total Length	112.4+/-0.5mm	112.4+/-0.5mm	112.4+/-0.5mm
Total weight	190+/-0.5g	150+/-0.5g	112+/-0.5g
Method of Ignition	Gun Fire	Gun Fire	Electric ignition
Effective range	>=120m	>=120m	>=120m
Delay ignition time	2-3sec	2-3sec	2-3sec
Storage time	>=5 years	>=8 years	>=5 years
Package	Aluminum-Plastic bag and wooden box, 50 rnds per box Pack size 660x330x220mm		
Gross Weight	13.5Kg	11.5Kg	14Kg

38mm Smoke Shell (Aluminum Shell)

	Gun Fire Tear Gas	Dual Purpose Tear Gas	Electric Ignition Tear Gas
Case Material	Aluminum	Aluminum	Aluminum
Total Length	112.4+/-0.5mm	112.4+/-0.5mm	112.4+/-0.5mm
Total weight	190+/-0.5g	150+/-0.5g	112+/-0.5g
Method of Ignition	Gun Fire	Gun Fire	Electric ignition
Effective range	>=120m	>=120m	>=120m
Delay ignition time	2-3sec	2-3sec	2-3sec
Smoke emission time	15-25sec	15-25sec	15-25sec
Storage time	>=5 years	>=8 years	>=5 years
Package	Aluminum-Plastic bag and wooden box, 50 rnds per box Pack size 660x330x220mm		
Gross Weight	13.5Kg	11.5Kg	14Kg



RIOT CONTROL GRENADES

38mm Explosion Stunning Shell

	3 Rubber Balls	16 Rubber Balls	Multi Rubber Balls
Total Length	122.4+/-0.5mm	112.4+/-0.5mm	112.4+/-0.5mm
Total weight	185+/-0.5g	200+/-0.5g	140+/-0.5g
Weight of single rubber ball	42g	8g	0.6g
Method of Ignition	Gun Fire	Gun Fire	Gun Fire
Effective range	>=60m	>=50m	>=50m
Muzzle velocity	80+/-10m/s	50+/-10m/s	80+/-10m/s
Storage time	>=5 years	>=8 years	>=5 years
Package	Aluminum-Plastic bag and wooden box, 50 rnds per box Pack size 660x330x220mm		
Gross Weight	13.5Kg	11.5Kg	14Kg



RIOT CONTROL GRENADES

63mm 3-Projectile Tear Gas Shell

Case Material: **Aluminum**
Total Length: **165+/-1mm**
Total weight: **520+/-20g**
Method of Ignition: **Hand throw**
Effective range: **>=50m**
Delay ignition time: **2-3sec**
Storage time: **>=5years**
Package: **Aluminum-Plastic bag & wooden box**
In Box: **32 rnds per box**
Pack Size: **660x330x220mm**
Gross Weight: **22Kg**



48mm Hand throw Smoke Shell

Case Material: **Aluminum/Plastic**
Total Length: **96+/-1mm - 91+/-1mm**
Total weight: **210+/-25g – 130+/-5g**
Method of Ignition: **Hand throw**
Effective range: **>=100m**
Delay ignition time: **2-3sec**
Smoke emission time: **15-30sec**
Storage time: **>=5years**
Color of smoke: **Red, Yellow, Blue, Orange, White**
Package: **Aluminum-Plastic bag & wooden box**
In Box: **50 rnds per box**
Pack Size: **660x330x220mm**
Gross Weight: **14.5Kg / 10.5Kg**



