GIGSA | GLOBAL INTELLIGENT GROUP SPECIAL ACADEMY

GIGSA PRODUCT 2023



WE ALWAYS GOES FOR THE BEST.

AT GIGSA, WE BELIEVE IN BUILDING TRUST AND EXPRESSING LOYALTY.
OUR CUSTOMERS TRUST US BECAUSE WE'VE EARNED IT OVER TIME. IN TURN,
WE EXPRESS OUR LOYALTY THROUGH CONTRIBUTIONS TO SOCIETY.
TRUST AND LOYALTY ARE IN THE DNA OF EVERY EMPLOYEE, MOTIVATING US TO BUILD FOR
THE GOOD OF ALL, AMID CONSTANT CHANGES AND DESPITE THEM.
AS A COMPANY, OUR NEVER-ENDING GOAL IS TO IMPROVE THE LIVES OF EVERYONE WE TOUCH.

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GIGSA | GLOBAL INTELLIGENT GROUP SPECIAL ACADEMY

GIGSA PRODUCT 2023

OUR MISSION

DESPITE THE RISING COMPETITION IN THE FOURTH INDUSTRIAL ERA,
WE MUST CONTINUE TO INNOVATE AND MAINTAIN STABLE GROWTH,
JUST AS WE HAVE IN THE PAST THREE YEARS. WE'RE ACHIEVING GREATER SUSTAINABLE GROWTH AND STRENGTHENING OUR COMPETITIVE ADVANTAGES IN OUR CORE BUSINESSES: MEDICAL & HEALTHCARE, ENGINEERING, DEFENSE MANUFACTURING, ENERGY AND FINANCIAL SERVICES. WE'RE MAKING A DIFFERENCE.

2018 ~ CURRENT

1. ESTABLISHED JOINT VENTURE WITH MOZAMBIQUE GOVERNMENT (GG MOZAMBIQUE)
DEVELOPING GOLD MINING IN MOZAMBIQUE (GOVERNMENT AUTHORIZED)
PROMOTION OF 7 STAR HOTELS, CASINOS AND DUTY FREE SHOPS
DEVELOPING CONSTRUCTION OF MOZPALACE MULTIPURPOSE RESIDENTIAL COMPLEX
2. ESTABLISHED JOINT VENTURE WITH ZIMBABWE GOVERNMENT (GIG ZIMBABWE)
DEVELOPING GOLD MINING IN ZIMBABWE (GOVERNMENT AUTHORIZED
THERMAL POWER PLANT IN ZIMBABWE(MOU COMPLETED)
3. AUTOMATED BVM VENTILATOR _ O2L PRODUCT BRAND DEVELOPMENT

2014 ~ 2016

DIVERSIFYING OVERSEAS BUSINESS
1. CHANGED CORPORATE TITLE TO GIG GROUP IN DEC . 2014
2. OVERSEAS RESOURCE DEVELOPMENT & ENERGY BUSINESS, EXPORT OF DEFENSE ITEMS, INTERNATIONAL TRADING, PROPERTY DEVELOPMENT, AND DEVELOPING INFRASTRUCTURE PROJECT
GIG WITH FILIPE JACINTO NYUSI OF PRESIDENT OF MAZAMBIGUE
ON SEPTEMBER 11, 2016, MR. SUENG-GAB CHOI, THE CHAIRMAN OF GIG GROUP
AND MR. FILIPE JACINTO NYUSI OF PRESIDENT OF MOZAMBIQUE AGREED TO COOPERATE FOR THE LONG-TERM DEVELOPMENT AND JOB CREATION OF MOZAMBIQUE.

2004 ~ 2014

DEVELOPING OVERSEAS SECURITY BUSINESS
1. DISPATCH OF INSTRUCTORS FROM SPECIAL FORCES IN KOREA TO THE MIDDLE EAST AND AFRICA FOR ESCORT ACADEMY
2. PROVIDING TOTAL SECURITY SERVICES REGARDING DOMESTIC & OVERSEAS ESCORT

2003

ESTABLISHED NKTS CO., LTD IN MAR. 2003
1. ESTABLISHED FIRST PRIVATE MILITARY COMPANY IN KOREA2. OPENED TRAINING CENTER FOR SECURITY ACADEMY (GAPYEONG / 450,000M2)

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DEFENSE

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CARTRIDGES, 40mm MACHINE GUN ---------- P8

CARTRIDGES, 40mm FOR GRENADE LAUNCHER-------- P9

ARMORED VEHICLE







Dimensions and weight

- Overall length : 6,800 mm (approx.)
- Overall width : 2,550 mm (approx.)
- Height without armament : 2,450 mm (approx.)
- Combat Weight : 11,600 kg (approx.)

Protection

- Armored Steel & Bullet Proof Glass for Hull Protection
- V-shape hull for Mine Protection

Performance

- Maximum speed : 100km/h
- Vertical slope : 60% on concrete slope
- Side slope : 30% on concrete slope

Hull

- Seating : Driver & Commander, up to 10 Crew

Engine

- Max. power : 270 HP at 2,500 rpm
- Max. torque : 870 Nm at 1,800 rpm

Wheel

- Type : Radial tire, tubeless
- Element : Tire assembly with run-flat

Options

- Air conditioning system
- Public speaker system
- Beacon light
- Communication radio
- CCTV system
- Search light
- Hydraulic operated steel cover
- Cupola or Turret

SPEED BOAT





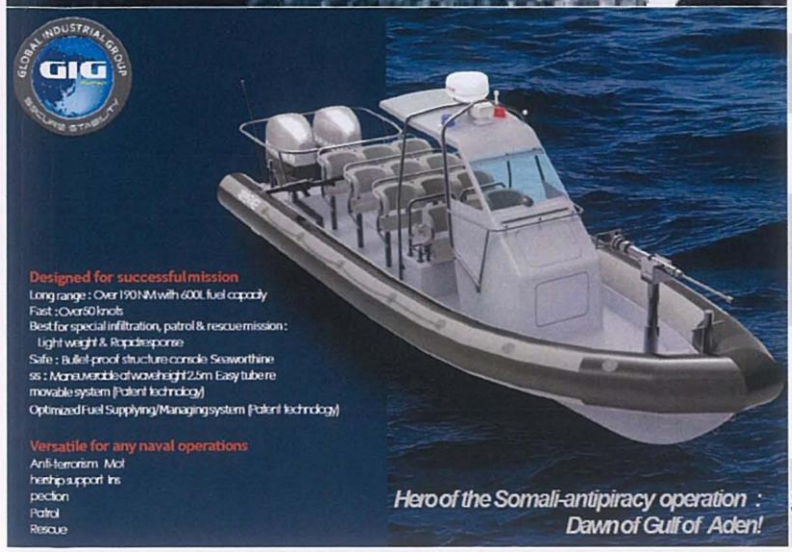
Model	RIB 14.3
L.O.A	14.30m
Beam	4.00m
Hull material	F.R.P Composite
Tube material	N-Hypalon fabric
No. of crew	3 ~ 16
Tube configuration	D 0.48m x 7 chambers
Displacement	7,500kg (lightweight) / 11,000kg (fully loaded)
Propulsion system	Twin VOLVO PENTA Diesel 435HP w/ IPS drives
Maximum speed	41 knots (half loaded)
Range	Over 400 NM
Fuel capacity	1,700L
Impact resistance	No damage upon 3m free-fall
Bullet-proof	Windshield
Loading capacity	2 boats (4.7m IBS)

- Can be tailored as per customers' operational requirements .
- Poseidon Sliding Gate
- Anti-submarine version
- Control water ballast system
- Additional arm posts
- Berth type cabin (4 berths with galley & toilet)

SPEED BOAT





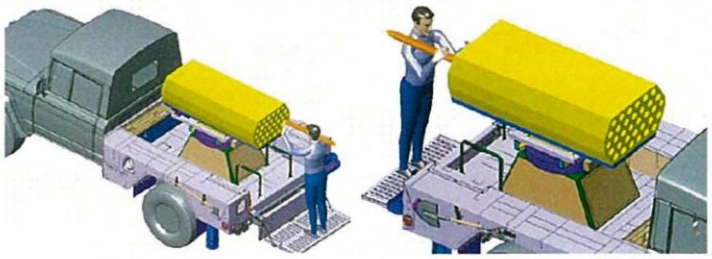


Model	RIB 8.5
L.O.A	8.50m
Beam	3.00m
Hull material	F.R.P Composite
Tube material	N-Hypalonfabric
No. of crew	5 ~ 11
Tube configuration	D 0.48m x 7 chambers
Displacement	2,100kg (lightweight) / 4,000kg (fully loaded)
Propulsion sion system	Twin Outboard MERCURY VERADO 4 stroke 250HP
Maximum speed	50 knots (half loaded) / 48 knots (fully loaded
Range	Over 190 NM
Fuel capacity	600L
Impact resistance	No damage upon 3m free-fall
Bullet-proof	Steering consol / Flank / Windshield
Standard arms	3 arm posts & weapon rests

- Can be ailored as per customers' operational requirements
- Poseidon Sliding Gate
- Seats&console configurations
- Control water ballast system
- Additional arm posts

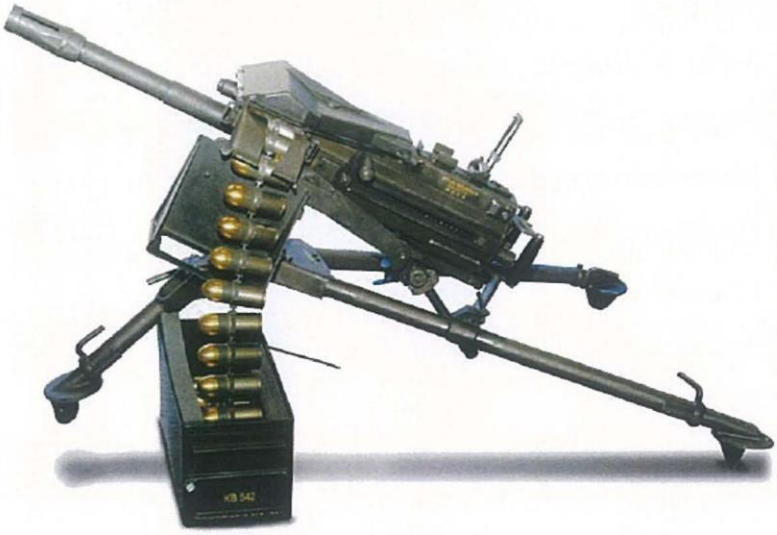
70mm MRL(Multi Rocket Launcher)





CREW	2
WEIGHT	4,900kg(Including Ammunition)
Ammunition	70mm rocket System
Aiming	Azimuth : 360˚ Elevation : 0~55˚ Automatic Aiming
Range	7.8km(HE)
Firing Mode	Direct/Indirect(Single, Ripple, Salvo)
Firing Rate	4rounds/sec

Cartridges, 40mm machine gun



Tabulated data	KM383	K212
Type	HE	HEDP
Length	112mm	112mm
Weight	350g	340g
Filler & Weight	Comp.A5,52g	Comp.A5,38g
Fuze	PD,M533	PIBD,K541
Maximum range	2,200m	2,200m
Effective range	1,600m	1,600m
Effective fire rate	300rds/min	300rds/min
Muzzle velocity	242mps	242mps
Arming distance	18 to 36m	18 to 40m
IMDG Code	1.1E	1.1E
U.N Serial No.	0006	0006



Tabulated data	K222	KM385
Type	Target Practice	Practice
Length	112mm	112m
Weight	350g	350g
Filler & Weight	Flash chatge Comp.,3g	-
Fuze	PD,K518	-
Maximum range	2,200m	2,200m
Effective range	1,600m	1,600m
Effective fire rate	300rds/min	300rds/min
Muzzle velocity	242mps	242mps
Arming distance	15 to 30m	-
IMDG Code	1.4C	1.4C
U.N Serial No.	0338	0339

Cartridges, 40mm for grenade launcher



Tabulated data	K200	HW921
Type	HE	HEDP
Length	100mm	100mm
Weight	215g	3225g
Filler & Weight	Comp.B,32g	Comp.A5,45g
Fuze	PD,K502	PIBD,K503
Maximum range	2,200m	2,200m
Effective range	400m	400m
Muzzle velocity	76mps	76ps
Arming distance	14 to 27m	14 to 27m
IMDG Code	1.1E	1.1E
U.N Serial No.	0006	0006



Tabulated data	CTS-40
Type	Target Practice
Length	100mm
Weight	215g
Filler & Weight	Sound & yellow dye
Fuze	-
Maximum range	400m
Muzzle velocity	76mps
Arming distance	-
IMDG Code	1.4C
U.N Serial No.	0339

SMALL ARMS

PISTOL ---------- P11~ P13

RIFLE ---------- P14~P16

PISTOL



D1911 COMMANDER

Model	D1911 COMMANDER
CALIBER	9MM,.40S&W,45ACP
WEIGHT	1.03KG
BARREL LENGTH	108MM
OVERALL LENGTH	197MM



D1911 COMMANDER BOBTAIL BLACK

Model	D1911 COMMANDER
CALIBER	9MM,.40S&W,45ACP
WEIGHT	1.10KG
BARREL LENGTH	127MM
OVERALL LENGTH	210MM



D1911 GOVERNMENT



D1911 GOVERNMENT BLACK

FEATURES
FORGED SLIDE,FRAME AND BARREL
AMBI – SAFETY
G10 GRIPS
STEEL & ALUMINUM FRAMES AVAILABLE

PISTOL



Model	SKYMARSHAL
CALIBER	9MM
WEIGHT	0.56KG
BARREL LENGTH	51MM
OVERALL LENGTH	130MM
DOUBLE/SINGLE ACTION	
LIGHTWEIGHT ALUMINUM FRAME	
MIL – STD 1913 PICATNNY RAIL	
9MM SPEEDLOADER	



Model	PRS
CALIBER	9MM 45ACP
WEIGHT	1.00KG
BARREL LENGTH	195MM
OVERALL LENGTH	102MM
SINGLE ACTION	
FIXED BARREL	
ROLLER LOCKING SYSTEM	
SILENCER & COMPENSATOR AVAILABLE	

PISTOL



Model	SKYMARSHAL
CALIBER	9MM
WEIGHT	0.56KG
BARREL LENGTH	51MM
OVERALL LENGTH	130MM
DOUBLE/SINGLE ACTION	
LIGHTWEIGHT ALUMINUM FRAME	
MIL – STD 1913 PICATNNY RAIL	
9MM SPEEDLOADER	

Model	PRS
CALIBER	9MM 45ACP
WEIGHT	1.00KG
BARREL LENGTH	195MM
OVERALL LENGTH	102MM
SINGLE ACTION	
FIXED BARREL	
ROLLER LOCKING SYSTEM	
SILENCER & COMPENSATOR AVAILABLE	

RIFLE



Model	DAK47
CALIBER	7.62X39MM
WEIGHT	3.47KG
BARREL LENGTH	415MM
OVERALL LENGTH	880MM

STAMPED STEEL RECEIVER



800 YARD REAR SIGHT LEAF

1 IN 9.5 INCH TWIST

POLYMER FURNITURE AVAILABLE

RIFLE



Model	DAR15
CALIBER	5.56X45MM. 300BLK
WEIGHT	2.88KG
BARREL LENGTH	370MM
OVERALL LENGTH	756MM STOCK RETRACTED 840MM STOCK EXTENDED

FORGED RECEIVERS



TELESCOPING BUTTSTOCK

KEYMOD HANDGUARD

MIL – STD 1913 PICATINNY RAIL

RIFLE



Model	DBR
CALIBER	5.56X45MM
WEIGHT	3.25KG
BARREL LENGTH	407MM
OVERALL LENGTH	700MM



Model	DBR(G)
CALIBER	5.56X45MM
WEIGHT	4.10KG
BARREL LENGTH	407MM
OVERALL LENGTH	700MM
40MM GRENADE LAUNCHER	



Model	DBR – M
CALIBER	5.56X45MM
WEIGHT	3.25KG
BARREL LENGTH	508MM
OVERALL LENGTH	802MM



Model	DBR – M(G)
CALIBER	5.56X45MM
WEIGHT	3.25KG
BARREL LENGTH	407MM
OVERALL LENGTH	700MM
40MM GRENADE LAUNCHER	

FEATURES
COLD HAMMER FORGED BARREL
QUICK CHANGE BARREL & CALIBER
INTEGRATED GRENADE LAUNCHER
AMBI – DEXTROUS CONTROLS

HIGH EXPLOSIVES

MORTAR BOMBS ----------P18~P19

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HAND GRENADES ----------P37~P38

Mortar bombs 120mm



[1200MM RIFLE TYPE]

Tabulated data	HE	RAP	ILL
Weight w/fuze	18.6kg	18.6kg	18.6kg
Length	879mm	879mm	879mm
Weight	15.7kg	1.5kg	1.9kg
High Explosive	4.2kg	2.7kg	-
IMDG Code	1.2E	1.1E	1.2G
U.N Serial No.	0321	0168	0.171

[1200MM SMOOTH TYPE]

Tabulated data	HE	ILL
Weight Shipped	15.7kg/2.5kg	13.4kg/2.5kg
Length	765mm	935mm
Out. Dia	119.62mm	119.62mm
Max. range	8.5km	7.5km
IMDG Code	1.2E	1.2G
U.N Serial No.	0321	0171

Mortar bombs 60mm & 81mm







Tabulated data	HE M49A4	HE K207
Weight	1.45Kg	1.77Kg
Length w/fuze	29.4cm	37.4cm
Filler & Weight	Comp.B,19kg	Comp.B,0.37kg
Maximum range	1,814m	3,490m
Illuminant charge		
Burning time	-	-
Candle Code	-	-
IMDG Code	1.2E	1.2E
U.N Serial No.	0321	0321

Tabulated data	ILLUM.K228	HE M 374
Weight	1.74Kg	1.45Kg
Length w/fuze	41.1cm	29.4cm
Filler & Weight	Illuminant,0.23kg	Comp.B,0.95kg
Maximum range	3,490m	4,500m
Illuminant charge		
Burning time	Min 40sec	Min 60sec
Candle power	Min 400,000cp	-
IMDG Code	1.2E	1.2E
U.N Serial No.	0171	0321

Tabulated data	HE K347	ILLUM.K250
Weight	4.3Kg	4.75Kg
Length w/fuze	52.9cm	65.0cm
Filler & Weight	Comp.B,0.9kg	Illuminant,0.70kg
Maximum range	6,500m	5,200m
Illuminant charge		
Burning time	-	Min 60sec
Candle power		Min 600,000cp
IMDG Code	1.2E	1.2G
U.N Serial No.	0321	0171

PROJECTILES 155MM





Tabulated data	HE M107	ILLUM. M485A2
Weight w/o fuze	42.50kg	41.73kg
Length w/o lifting plug	60.68cm	60.43cm
Body material	Forged Steel	Forged Steel
Filler & Weight	TNT,6.62kg or	2.7kg
Fuzes	Comp.B6.98kg PD:M557, M739series MTSQ:M564, M582 series	Illum. Compound, 2.66kg MT : M565 series MTSQ:M577series
Maximum range	14,600m (7CHG,M4A2)	13,648m (7CHG,M4A2)
IMDG Code	1.1D	1.3G
U.N Serial No.	0168	0254

500LB, GENERAL PURPOSE BOMB

MK82 MOD1



Length	2310mm
Weight	238kg
Body diameter	273mm
Filler	Tritonal or H-6, 87kg
Fin	Conical type or retarded type
IMDG Code	1.1D
U.N Serial No.	0034

25LB, PRACTICE BOMB

BDU - 33 D/B



Length	571mm
Width	143kg
Height	143mm
Diameter	101mm
Weight	10.75kg
IMDG Code	1.1G
U.N Serial No.	0312

PROPELLING CHARGES





Model	M67
Propellant	M1
Nominal wt.(Full CHG)	1.28KG
Muzzle veiocity(Full CHG)	464.8 m/sec.
Maximum range	11,270m
IMDG Code	1.3C
U.N.Serial No.	0242

DEMOLITIONS

CHARGE, DEMOLITION BLOCKS



Tabulated data	TNT ¼, ½, 1LB	Comp.C4,M112	Comp.C4,M5A1
Container material	Cardboard	Mylar film	Plastic
Color	Olive drab w/yellow markings	Gray or olive drab w/yellow markings	White or gray w/yellow markings
Weight	1/4lb, 1/2lb, 1lb	1 1/4lb	2 1/2lb
Dimension	1/4lb:Ø3.8×9.2cm 1/2lb:8.9×5.1×5.1cm 1lb:17.8×5.1×5.1cm	5.24×2.69×28.8cm	5.1×5.1×28.8cm
Filler	TNT	Comp. C4	Comp. C4
Method of actuation	Military blasting cap or detonating cord		
IMDG Code	1.1D	1.1D	1.1D
U.N Serial No.	0048	0048	0048

CAP, BLASTING : M6, M7



M6 M7

Tabulated data	M6(Electric)	M7(Non-electric)
Container material	Aluminum alloy	Aluminum alloy
Color	Unpainted	Unpainted
Dimension	Ø0.61×5.97cm	Ø0.61×5.97cm
Filter		
Baes charge	RDX	RDX
Intermediate charge	Lead Azide	Lead Azide
Ignition charge	Special Mix	Lead Styphnate
Wire material	Copper(3.6m)	-
Method of actuation	Electric current	Detonating fuse
IMDG Code	1.1B	1.1B
U.N Serial No.	0030	0029

DEMOLITIONS

POMINS - II, KM456



Tabulated data	Launcher assembly	Container Assembly
Material	Aluminum	Aluminum
Length	1,200mm	860mm
Diameter	170mm	155mm
Weight	26kg (w/backpack harness)	22kg (w/backpack harness)
Linear charge pellet	44ea	53ea
Explosive	Comp-B,16.5kg per pellet	
Packing	1set in a wooden box	
Packing Box	105kg	105kg
IMDG Code	1.1B	1.1B
U.N Serial No.	0181	0181

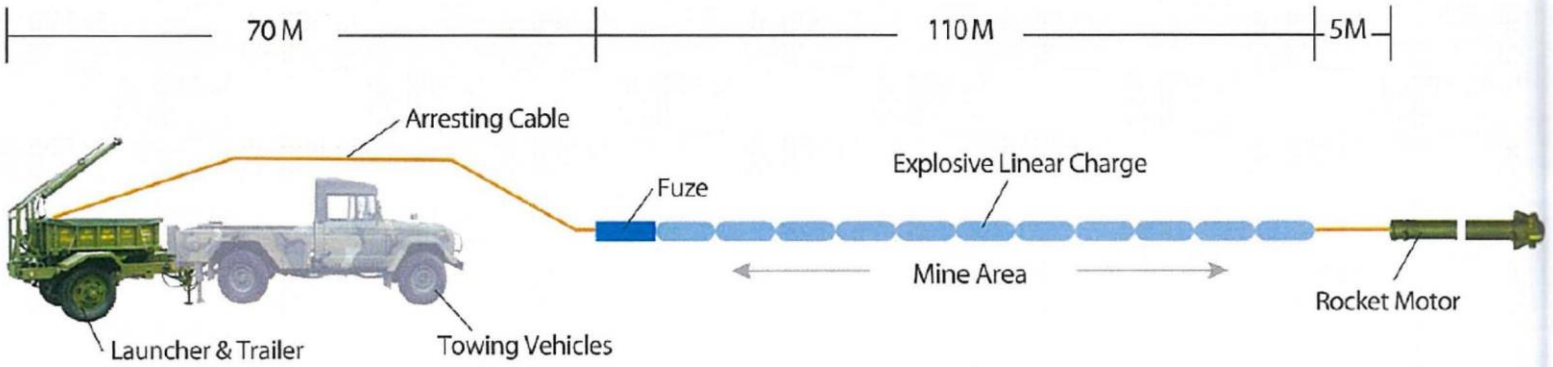
MINE FIELD CLEARING SET

MINE CLEARING LINE CHARGE (MICLIC)



Tabulated data	Rocket Motor	Linear Charge
IMDG Code	1.3C	1.1D
U.N Serial No.	0186	0048

MICLIC is used to clear paths for tanks, vehicles and personnel through minefield or other obstacles. This system is capable of clearing a path up to 6-meter wide(3 meter each to the left and right of the linear charge) and 110-meter long through a minefield. Minefield planted with single-impulse, pressure-type, antitank mimes and/or mechanically actuated antipersonnel mines can be cleared with use of MICLIC. Mines that are not detonated by explosion of the linear charge will usually be uncovered or blown from the ground.
The rocket motor and liner charges can be remotely detonated either from the towing vehicle or covered position 75 feet(23meters) away. The launcher and trailer are fully reusable and can be reloaded with a new rocket motor and liner charge in 30 minutes.



PROPELLING CHARGES



Model	M4A2
Color	White w/black Markings
Weight(Full CHG)	6.3kg
Maximum range (HG)	14.600m
Muzzle veiocity (Full CHG)	563.9mps
Average Pressure	32,000 ~ 38,000 psi
Individual Pressure	MAX.40,500psi
IMDG Code	1.3C
U.N.Serial No	0242



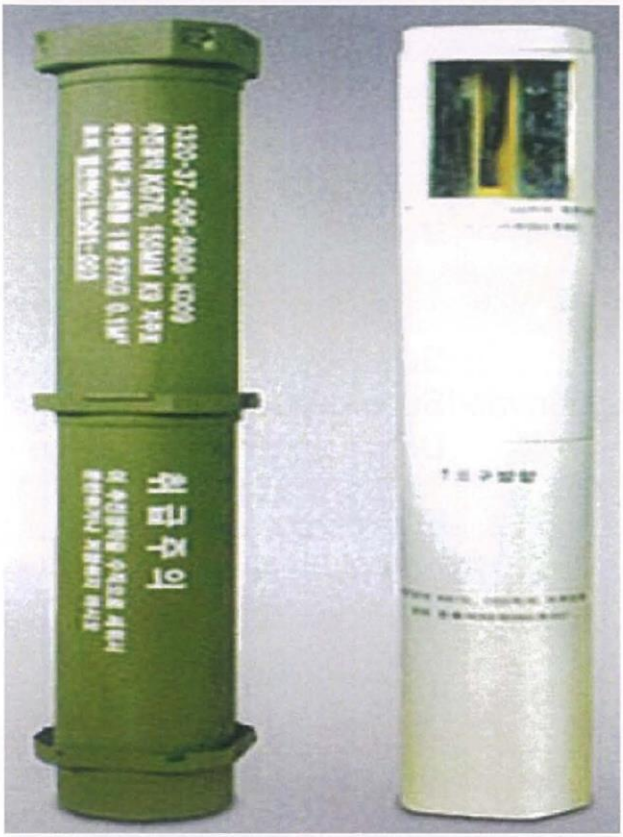
Model	M119A1
Color	White w/black Markings
Weight(Full CHG)	10.4kg
Maximum range (HG)	18,000m
Muzzle veiocity (Full CHG)	684mps
Average Pressure	26,000 ~ 33,000psi
Individual Pressure	MAX.41,000psi
IMDG Code	1.3C
U.N.Serial No	0242

PROPELLING CHARGES



Model	M203
Color	Red w/black Markings
Weight(Full CHG)	11.8kg
Maximum range (HG)	30,000m
Muzzle veiocity(Full CHG)	826mps
Average Pressure	MAX.47,500psi
Individual Pressure	MAX.57,950psi
IMDG Code	1.3C
U.N.Serial No	0242

PROPELLING CHARGES



Model	K676
Type Cannon used with	Combustible case, Separate loading Self – propelled howitzer K9
Weihgt	16kg
Length	970mm(2units)
Diameter	160.2mm MAX
Weight of Propellant	15kg
Maximum range	40km
Average Pressure	MAX.55,000 psi
Individual Pressure	MAX.60,000 psi
IMDG Code	1.3C
U.N.Serial No	0242



Model	K677
Type Cannon used with	Combustible case, Separate loading Self – propelled howitzer K9
Weihgt	12kg
Length	770mm(5units)
Diameter	160.2mm MAX
Weight of Propellant	11kg
Maximum range	32km
Average Pressure	MAX.48,000 psi
Individual Pressure	MAX.52,000 psi
IMDG Code	1.3C
U.N.Serial No	0242

FUZES



K510KA1

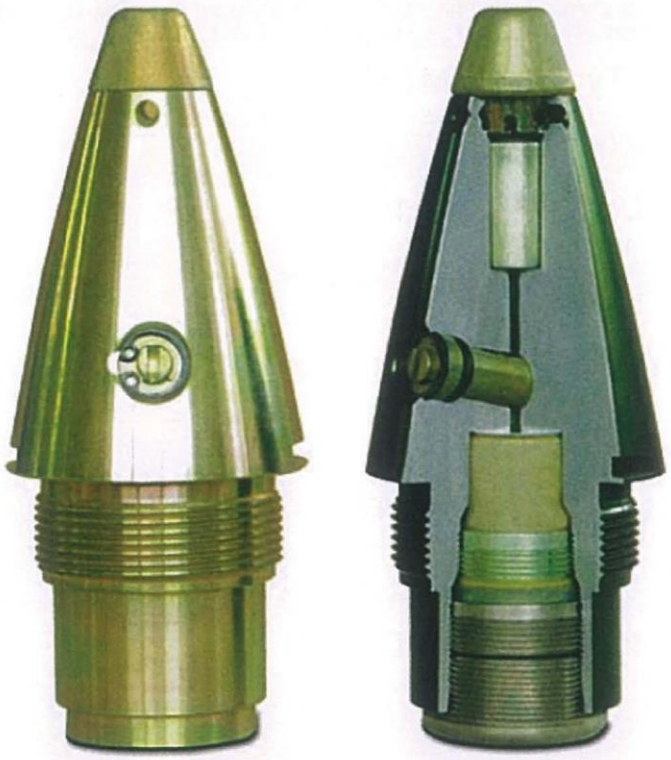
Model	K510KA1
Type	PD
Weight	264g
Length	91mm
Thread size	1.5-12UNF-1A
Operation mod	Selective Superquick or 0.005 sec Delay action impact type
Use	60mm and 81mm And 120mm HE,TP Cartridges
IMD Code	1.4D
U.N. Serial No	0410



K519

Model	K519
Type	PD
Weight	715g
Length	167mm
Thread size	2-12UNS-1A
Operation mod	Selective Superquick or 0.005 sec Delay action impact type
Use	155mm
IMD Code	1.1D
U.N. Serial No	0408

FUZES



HW594

Model	HW594(M739A1)
Type	PD
Weight	610g
Length	152mm
Thread size	2-12UNS-1A
Operation mod	Selective Superquick or Auto-Delay impact type
Use	CTG.4.2"HE, 105mm, 155mm, 8"HE Projectiles
IMD Code	1.1D
U.N. Serial No.	0408



M509A2

Model	M509A2	M530A1
Type	PIBD	PIBD
Weight	145g	140g
Length	50mm	50mm
Thread size	-	-
Operation mod	Electrical	Electrical
Use	Fin-Stabilized HEAT Projectiles in Calibers from 76mm to 120mm	Low – Velocity HEAT Projectiles
IMD Code	1.1D	1.1D
U.N. Serial No.	0408	0408

FUZES



Model	M577A1
Type	MTSQ
Weight	640g
Length	131mm
Time setting	2 ~ 200 sec.
Thread size	2 - 12UNS-1A
Use	CTG. 4.2" illum. 105mm and 155mm Illum., ICM 8"ICM Projectiles
IMD Code	1.4D
U.N. Serial No	0410



Model	M582A1
Type	MTSQ
Weight	685g
Length	148mm
Time setting	2 ~ 200 sec.
Thread size	2 - 12UNS-1A
Use	105mm and 155mm HE,HERA,WP Smoke, 8"HE Projectiles
IMD Code	1.1D
U.N. Serial No.	0408

FUZES



K568

Model	K568
Type	ET
Weight	260g
Length	101.8mm
Time setting	5 ~ 99.9 sec.
Thread size	1.5-12UNF-1A
Use	CTG. 60mm and 81mm illum
IMD Code	1.3G
U.N. Serial No	0316



K560

Model	K560
Type	ETSQ
Weight	760g
Length	150mm
Time setting	0.5 ~ 200 sec.
Thread size	2 - 12UNS-1A
Use	105mm and 155mm And 8" Projectiles
IMD Code	1.1D
U.N. Serial No	0408

FUZES



HW201

Model	HW201(M732)
Type	Proximity,PD
Weight	794g
Length	152mm
Thread size	2-12UNS-1A.
Operating Mode	Proximity Superquick Impact
Use	105mm,155mm 8"ICM Projectiles and 4.2"Mortar Bombs
IMD Code	1.1D
U.N. Serial No.	0408



HW601

Model	HW601
Type	Multi-option(MOFA)
Weight	725g
Length	151.6mm
Thread size	2-12UNS-1A
Operating Mode	Proximity Average HOB 7±1m, Individual HOB 7±3m Time:0.5~199.9sec, ±0.1sec Delay:5~10 msec Impact 155mm HOW Projectiles
Use	155mm HOW Projectiles
IMD Code	1.1D
U.N. Serial No.	0408

FUZES



K584

Model	K584
Type	Multi-option
Weight	198g
Length	94mm
Thread size	1.5-12UNF-1A
Operating Mode	Proximity NSB(Near Surface Burst) Time Delay(30~200msec) Impact
Use	60mm Mortar Bombs
IMD Code	1.1D
U.N. Serial No.	0410



K589

Model	K589
Type	Multi-option
Weight	499g
Length	155mm
Thread size	2-12UNS-1A
Operating Mode	Proximity NSB(Near Surface Burst) Time Delay(30~200msec) Impact
Use	81mm Mortar Bombs
IMD Code	1.4D
U.N. Serial No.	0410

ROCKETS



Model	K223
Length of Rocket Motor	106cm
Weight	6.2kg
Overall diameter	70mm
Propellant Grain	K674
Burn time	0.9~1.3sec
Total thrust (77°F)	1,500lbf sec.
Maximum range	10,426m
Launcher	M260,M261,LAU-131,LAU-58
IMDG Code	1.3C
U.N.Serial NO.	0186

Model	MK4,MK40
Length of Rocket Motor	99.97cm
Weight	5.1kg
Overall diameter	70mm
Propellant Grain	MK43MOD1
Burn time	1.42~1.91sec
Total thrust (77°F)	1,150lbf sec.
Maximum range	6,800m
Launcher	M260,M261,LAU-131,LAU-58
IMDG Code	1.3C
U.N.Serial NO.	0186

ROCKETS



Model	KM151
Type	High Explosive
Weight	4.1KG
Length	40.6cm(w/fuze)
Filler Type Weight Color	Comp.B4 1.04KG Olive drab w/yellow markings
IMDG Code	1.1D
U.N.Serial No.	0286

HAND GRENADES



Model	FRAG.K413
Weight	260g
Explosive charge	Comp.B,62g
Body material	Cubic steel
Color	Olive drab w/yellow markings
Fuze	K414
Delay time	4 to 5 sec
Casualty radius	10m
Dimension Height Diameter	 Less 72mm Less 55mm
IMDG Code	1.1F
U.N.Serial NO.	0292



Model	KM8	KM18
Type	White smoke	Colored smoke (Violet,Red, Yellow,Green)
Charge	H.C.	Smoke mixture
Weight	710g	520g
Diameter	6.3cm	6.3cm
Height	14.cm	14.6cm
Body material	Sheet metal	Sheet metal
Fuze	KM201A1	KM201A1
Delay time	0.7 to 2sec.	0.7 to 2sec.
Emission time of smoke	90 to 135sec	50 to 90sec
IMDG Code	1.4G	1.4G
U.N.Serial No.	0303	0303

HAND GRENADES



Model	K417
Lengh th/ Diameter	70mm/50mm
Weight	260g
Delay time	4 to 5sec
Smoke	Yellow
Fuse	KG19
Bomb body	Clay&Minerals
Fuse body	Bio-degradable resin
Packing	1unit/Paper tube,70units/ Woodden box
IMDG Code	1.4S
U.N.Serial No.	0110

Model	CN26	CN69
Lengh th/ Diameter	99mm/57mm	88mm/64mm
Weight	454g	397g
Delay time	4 to 5sec	4 to 5sec
Smoke	Option	Option
Fuse	-	-
Bomb body	Clay&Minerals	Clay&Minerals
Fuse body	Bio-degradable resin	Bio-degradable resin
Packing	1unit/Paper tube,50units/ Woodden box	1unit/Paper tube,70units/ Woodden box
IMDG Code	1.4S	1.4S
U.N.Serial No.	0110	0110

PROTECTION

HELMET ---------- P40 ~ 46

VEST & PLATE ---------- P47 ~ 51

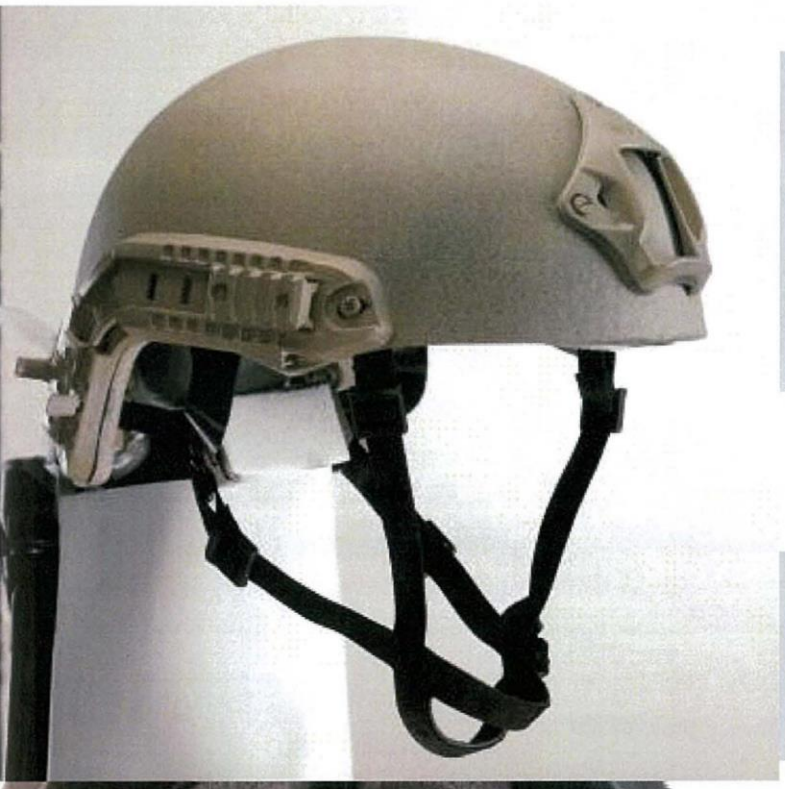
HELMET





Model	FAST TRACK Helmet Model no.: KCI-BHM100
Ballistic area: Surface area	1150cm^2 – 1250cm^2
Ballistic protection level	NIJ Level IIIA
Material	Aramid fiber impregnated with phenolic resin
Weight	Approximately 1500g
Shape	Fast Track Helmet (With Picatinny Rail, NVG Shroud & Velcro Covered)
Size	1. Small and Medium 2. Large and Extra-large
Colors	Black

HELMET

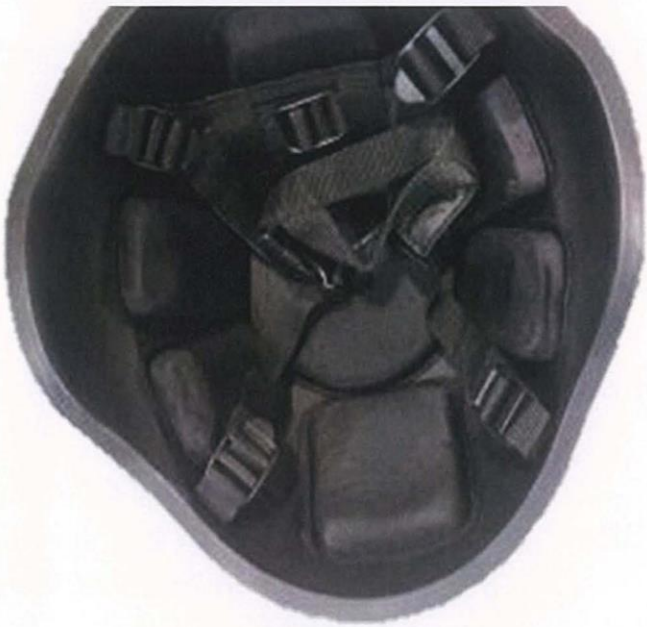




Model	MICH HIGHCUT With Picatinny rails & NVG shroud Model no.: KCI-BHM100
Ballistic area: Surface area	1150cm^2 – 1250cm^2
Ballistic protection level	NIJ Level IIIA9mm & .44 mag protection
Material	Laminate reinforced Aramid Impregnated with phenolic resin
Weight	Approximately 1550g~1650g
Shape	Fast Track Helmet
Size	S/ M/ L
Colors	Black etc

HELMET





Model	BALLISTIC HELMET MICH Model No.: KCI-BHM002
Ballistic area: Surface area	1150cm^2 – 1250cm^2
Ballistic protection level	NIJ Level II-IA (NIJ Standard 0106.01)
Material	Aramid Multilayers composite matrix
Weight	1,350~1,450(±50)g Including all accessories
Shape	MICH
Size	S/ M/ L/ XL -The helmet enables adjusting the fitness with a suspension system in accordance with an user.
Colors	Tan, Olive Green, UN Blue, Black etc

HELMET





Model	BALLISTIC HELMET MICH Model No.: KCI-BHM 002
Ballistic area: Surface area	1150cm^2 – 1250cm^2
Ballistic protection level	NIJ Level IIIA
Material	Aramid fiber impregnated with phenolic resin
Weight	Approximately 1300g -1500g(±50)
Shape	PASGT
Size	S/ M/ L/ XL -The helmet enables adjusting the fitness with a suspensi on system in accordance w ith an user.
Colors	Olive Green, Desert, Navy, Black etc.

HELMET



Model	KCI-BHM004 HIGH CUT MICH
Ballistic area: Surface area	1150cm^2 – 1250cm^2
Ballistic protection level	NIJ Level IIIA
Material	Aramid fiber impregnated with phenolic resin
Weight	Approximately 1200 ~1300g (Shell Only)
Shape	MICH HIGHCUT STYLE
Size	S/M/L
Colors	Black etc



HELMET



Model	BALLISTIC HELMET-MICH HIGH CUT+PICATINNY RAILS+SHROUN
Material	Aramid Fiber Impregnated With Phenol Resin
Level	NIJ Level IIIA
Weight	1.3 ~ 1.45kg (±0.05)
Size	S / M / L / XL
Shape	MICH
Color	Black



Model	BALLISTIC HELMET-PASGT
Material	Aramid Fiber Impregnated With Phenol Resin
Level	NIJ Level IIIA
Weight	1.3 ~ 1.45kg (±0.05)
Size	S / M / L / XL
Shape	PASGT
Color	Black

HELMET



Model	BALLISTIC HELMET-MICH
Material	Aramid Fiber Impregnated With Phenol Resin
Level	NIJ Level IIIA
Weight	1.3 ~ 1.45kg (±0.05)
Size	XS/ S / M / L / XL
Shape	MICH
Color	Olive(Khaki)



Model	BALLISTIC HELMET-MICH HIGH CUT
Material	Aramid Fiber Impregnated With Phenol Resin
Level	NIJ Level IIIA
Weight	1.3 ~ 1.45kg (±0.05)
Size	S / M / L / XL
Shape	MICH
Color	Desert

VEST & PLATE



Model	BALLISTIC VEST-COMMANDO STYLE
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	3.5kg(±0.5)
Size	S / M / L / XL
Color	Digital Camouflage



Model	BALLISTIC VEST-MOLLE STYLE
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	2.7kg(±0.5)
Size	S / M / L / XL
Color	Green / Khaki

VEST & PLATE



Model	BALLISTIC VEST-WITH NECK & SHOULDER PROTECTORS
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	4.5kg(±0.5)
Size	S / M / L / XL
Color	Black



Model	BALLISTIC VEST-WITH NECK & SHOULDER PROTEC TORS
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	2.7kg(±0.5)
Size	S / M / L / XL
Color	Green / Khaki

VEST & PLATE



Model	BALLISTIC VEST-WITH A HYDRATION PACK
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	5.6kg(±0.5)
Size	S / M / L / XL
Color	Digital Camouflage



Model	BALLISTIC PLATE-LEVEL II	BALLISTIC PLATE-LEVEL IV
Material	Aramid or PE	PE + Ceramic or Sic
Weight	1.6kg ~ 2.1kg (Depending on BT Grade)	2.5kg ~ 3.5kg (Depending on BT Grade)
Size	25 X 30cm	25 X 30cm
Color	Black	Black

VEST & PLATE



Model	BALLISTIC VEST-QUICK RELEASE
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	3.5kg(±0.5)
Size	S / M / L / XL
Color	Digital Camouflage



Model	BUOYANT BALLISTIC VEST -LIFE JACKET STYLE
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	4kg(±0.5)
Size	S / M / L / XL
Color	Green / Khaki

VEST & PLATE



Model	BUOYANT BALLISTIC VEST -LIFE JACKET STYLE
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	4kg(±0.5)
Size	S / M / L / XL
Color	Orange



Model	BALLISTIC VEST - UN
Material	Aramid or PE
Level	NIJ Level IIIA
Weight	2.3kg(±0.5)
Size	S / M / L / XL
Color	UN Blue

MILITARY DEFFNSE ITEMS

BACPACK & TENT ---------- P53 ~ P54

KNIFE & SHOVEL ---------- P55

CHEMICAL PROTECTION ---------- P56

CANTEEN SET & CLEANING KIT ---------- P57

BACPACK & TENT

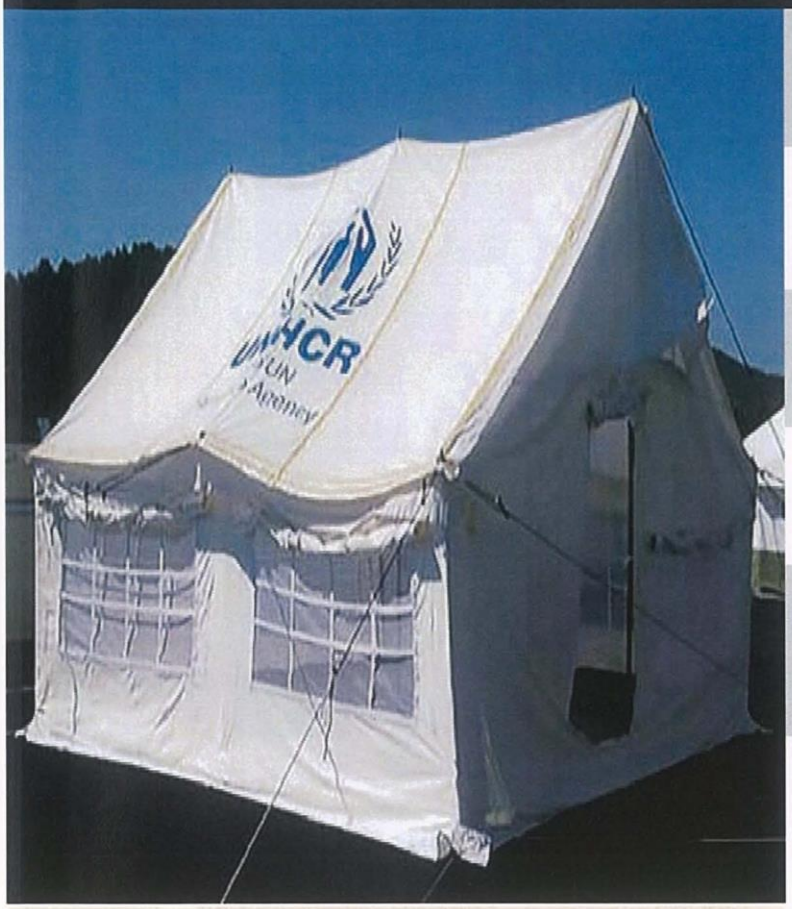


Model	BACKPACK
Mater ial	Polyester or Nylon
Capacity	66Liter
Size	62(L) X 21(W)X64(H)CM
Finish	Waterproof Treatment
Color	Digital Camouflage

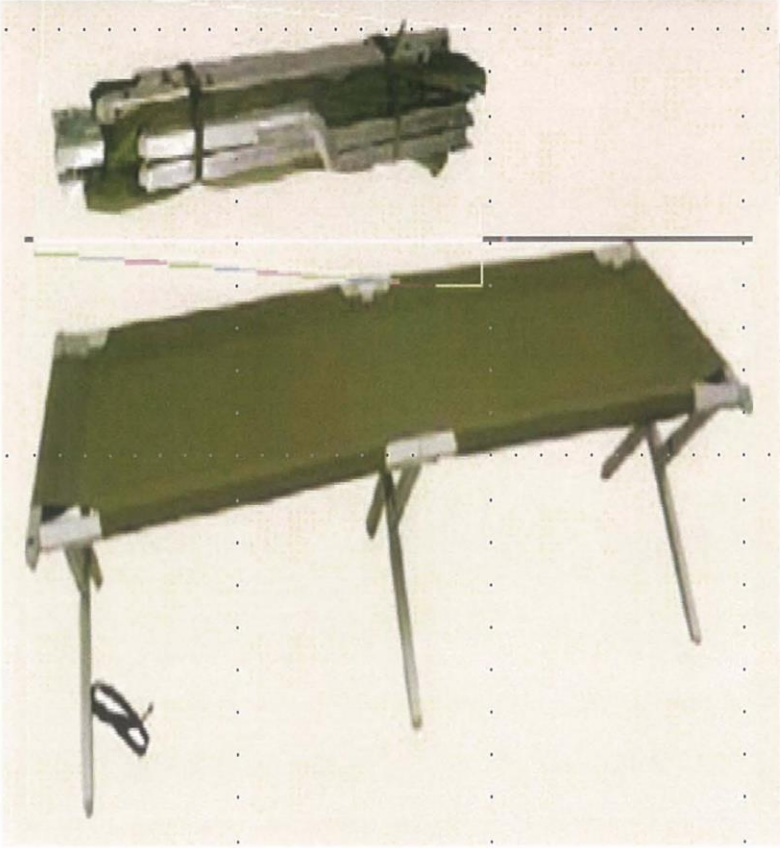


Model	BACKPACK
Mater ial	Polyester or Nylon
Capacity	31Liter
Size	27(L) X 23(W) X 50(H)CM
Finish	Waterproof Treatment
Color	Olive(Khaki)

BACPACK & TENT



Model	UN REFUGEE TENT
Mater ial	Fabric -100% Cotton Woven Fabric Frame - Aluminum
Size	380(L) X 370(W) X 230(H)cm
Capacity	10 ~ 12 People
Color	White / Khaki / Olive Green Camouflage
Components	8 Window, 2 Doors,12 Steel legs And Rope(each of 4/M) 10Aluminum Road Poles, 3Square Roof bars



Model	FIELD BED
Material	Aluminum,Polyester
Weight	8kg
Size	191(L) X 63(W) X 42(H)cm
Color	Olive Green

KNIFE & SHOVEL



Model	BAYONET M7
Material	Carbon Steel
Weight	410g
Finish	Zinc Phosphated
Color	Black



Model	BAYONET M9
Weight	Carbon Steel
Size	545g
Finish	Zinc Phosphated
Color	Black



Model	FOLDABLE SHOVEL
Weight	Aluminum
Weight	7kg
Size	47 X 22 X 44cm
Color	Black / Desert

CHEMICAL PROTECTION



Model	CHEMICAL PROTECTIVE SUIT
Material	Rubber Layer
Conponents	Visor , Ventilation , Glove , Footwear
Features	Gas – tight Zipper
Color	Orange / Black

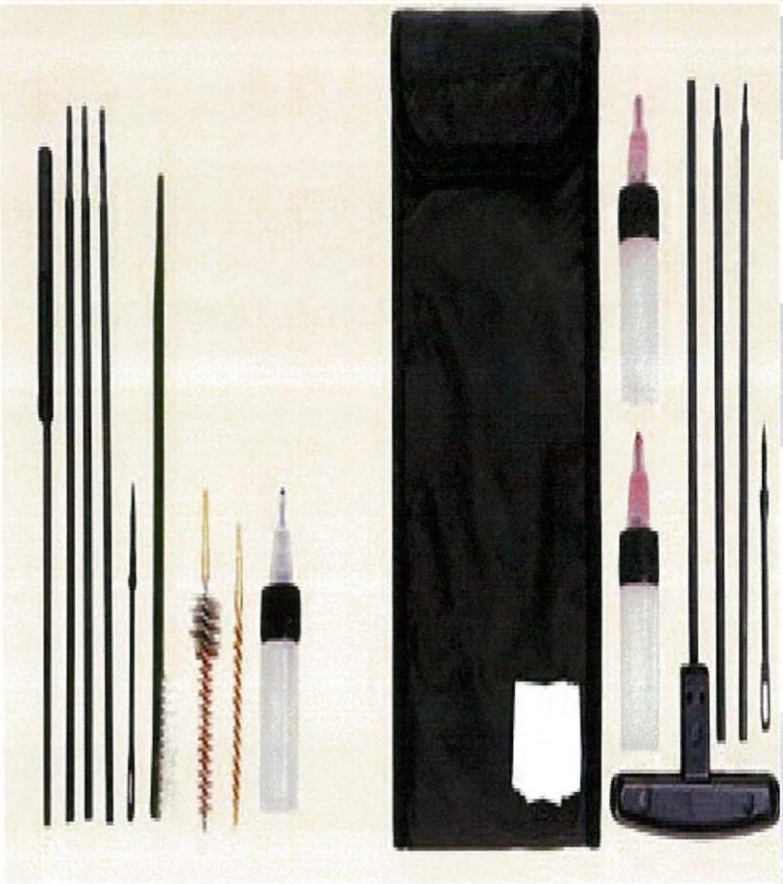


Model	GAS MASK
Material	Butyl Rubber, Nylon + Mesh
Conponents	Face Part, Canister , Carring Ba g
Features	Gas – tight Zipper
Color	Black

CANTEEN SET & CLEANING KIT



Model	CANTEEN - SET
Material	Plastic / Aluminum
Weight	250g
Capacity	1Liter
Color	Khaki / Desert



Model	M16(5.56mm) CLEANING KIT AK-47(7.62mm) CLEANING KIT
Material	Brass / Plastic
Weight	180g
Composition	Barrel Pouch Rods & handls, slottd Patche Tip,Bronze Bore Brush, Chamber Brush General Purpose Brush, Lubrica nt
Accessory	Polyester Pouch

MAGAZINES

MAGAZINE ----------P59 ~ 68

MAGAZINE



Model	AR15(M16) DRUM 100RDS
Weight	980g
Size	250(L) X 120(W) X 65(T)mm
Finish	parkerizing/Anodizing
Color	Black / Clear Cover



Model	AR15(M16) DRUM 50RDS
Weight	656g
Size	220(L) X 125(W) X 95(T)mm
Finish	Anodizing
Color	Black / Clear Cover

MAGAZINE

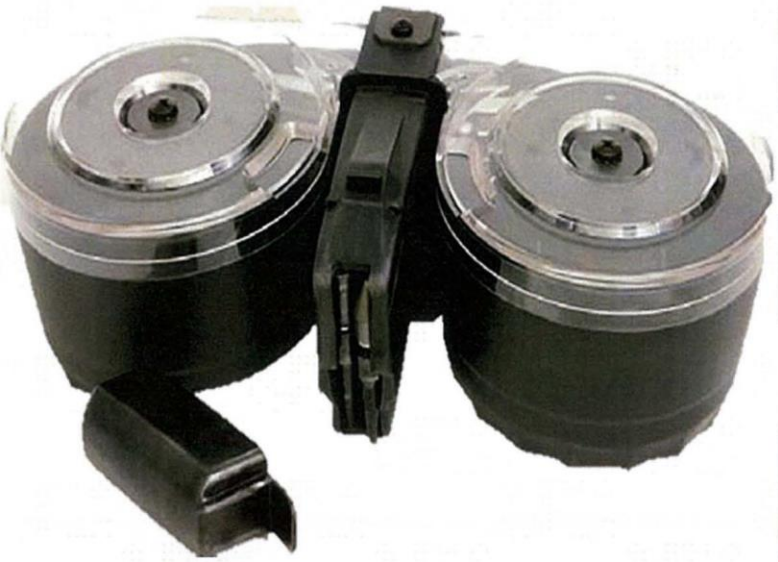


Model	AR15(M16) 30RDS-STEEL
Weight	246g
Size	195(L) X 65(W) X 22(T)mm
Finish	Parkerizing
Color	Black

Model	AR15(M16) 30RDS-ALUMINUM
Weight	120g
Size	181(L) X 36(W) X 21(T)mm
Finish	Anodizing
Color	Black / Grey

Model	AR15(M16) 30RDS-ALUMINUM
Weight	168g
Size	190(L) X 68(W) X 25(T)mm
Finish	Hard Coating
Color	Black / Khaki

MAGAZINE



Model	AK74 DRUM 95RDS
Weight	1,012g
Size	250(L) X 110(W) X 65(H)mm
Finish	Parkerizing / Ampdizing
Color	Black / Clear Cover



Model	AK74 DRUM 75RDS
Weight	962g
Size	180(L) X 140(W) X 70(H)mm
Finish	Parkerizing
Color	Black



Model	SKS DRUM 75RDS
Weight	1,030g
Size	180(L) X 140(W) X 70(H)mm
Finish	Parkerizing
Color	Black

MAGAZINE









Model	AK47 40RDS (STEEL / POLYMER)
Weight	352g
Size	286(L) X 63(W) X 21(H)mm
Finish	Parkerizing
Color	Black / Grey

Model	AK47 30RDS (STEEL / POLYMER)
Weight	302g
Size	181(L) X 63(W) X 21(H)mm
Finish	Parkerizing
Color	Black / Grey

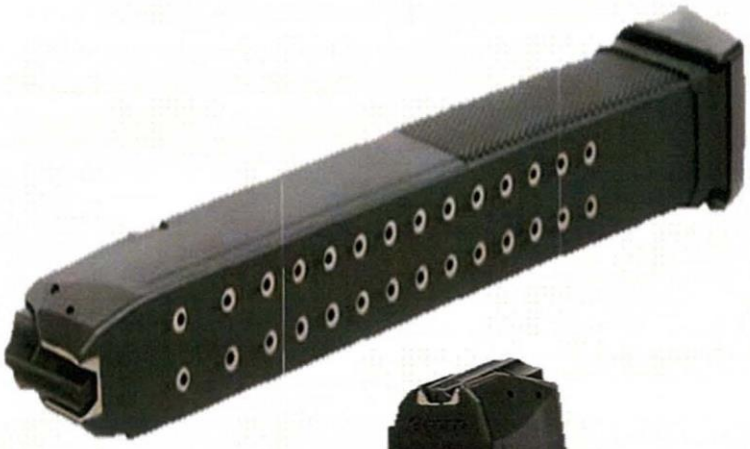
Model	AR15(M16) 30RDS-STEEL
Weight	260g
Size	175(L) X 63(W) X 21(H)mm
Finish	Parkerizing
Color	Black / Grey

Model	AR15(M16) 30RDS-STEEL
Weight	210g
Size	120(L) X 63(W) X 21(H)mm
Finish	Parkerizing
Color	Black / Grey

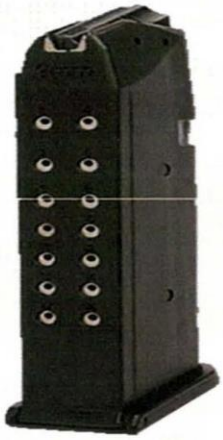
MAGAZINE



Model	GLOCK 9MM DRUM 50RDS
Weight	665g
Size	250(L) X 140(W) X 70(H)mm
Finish	Anodizing With Hard Coating
Color	Black



Model	GLOCK 18 9MM 30RDS
Weight	130g
Size	205(L) X 32(W) X 22(H)mm
Finish	Anodizing With Hard Coating
Color	Black



Model	GLOCK 17 9MM 17RDS
Weight	75g
Size	120(L) X 32(W) X 22(H)mm
Finish	Anodizing
Color	Black



Model	GLOCK 19 9MM 15RDS
Weight	66g
Size	122(L) X 32(W) X 22(H)mm
Finish	Anodizing With Hard Coating
Color	Black

MAGAZINE



Model	M14 10/20RDS
Weight	150g / 230g
Size	95(L) X 75(W) X 25(H)mm 155(L) X 75(W) X 25(H)mm
Finish	Parkerizing
Color	Black



Model	CARBINE 15/30RDS
Weight	74g / 114g
Size	100(L) X 46(W) X 20(H)mm 165(L) X 45(W) X 20(H)mm
Finish	Parkerizing
Color	Black



Model	G3 20RDS
Weight	272g
Size	150(L) X 75(W) X 25(H)mm
Finish	Parkerizing
Color	Black

MAGAZINE







Model	FAL .308 20RDS
Weight	250g
Size	154(L) X 75(W) X 27(H)mm
Finish	Parkerizing
Color	Black

Model	RUGER MINI14 RDS
Weight	270g
Size	210(L) X 62(W) X 25(H)mm
Finish	Parkerizing
Color	Black

Model	SA58 30RDS
Weight	300g
Size	225(L) X 66(W) X 24(H)mm
Finish	Parkerizing
Color	Black

MAGAZINE



Model	MP5 30RDS
Weight	166g
Size	220(L) X 32(W) X 24(H)mm
Finish	parkerizing
Color	Black

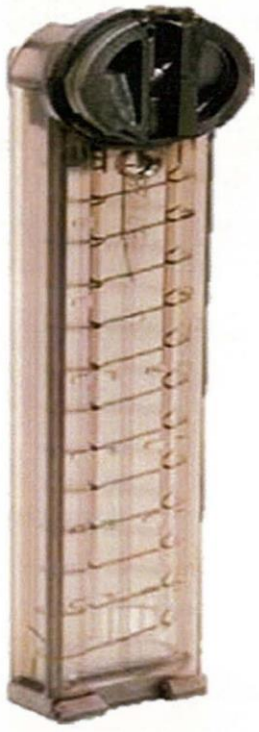


Model	BERRETA 30/35RDS
Weight	140g / 158g
Size	220(L) X 24(W) X 25(H)mm 250(L) X 24(W) X 25(H)mm
Finish	parkerizing
Color	Black

MAGAZINE



Model	1911 .45ACP 8/15/28RDS
Weight	74g / 140g / 512g
Size	129(L) X 37(W) X 19(H)mm 248(L) X 40(W) X 19(H)mm 260(L) X 110(W) X 65(H)mm
Finish	parkerizing
Color	Black / Silver



Model	PS90 50RDS
Weight	136g
Size	275(L) X 48(W) X 19(T)mm
Finish	Hard Coating
Color	Ivory Clear Cover

MAGAZINE



Model	SOFT PACK 200RDS (5.56mm)
Gun Type	M249 , K3
Heavy duty zipper + Snap Keeper	
Weight	170g
Color	Digital Camouflage

OPTICAL EQUIPMENT

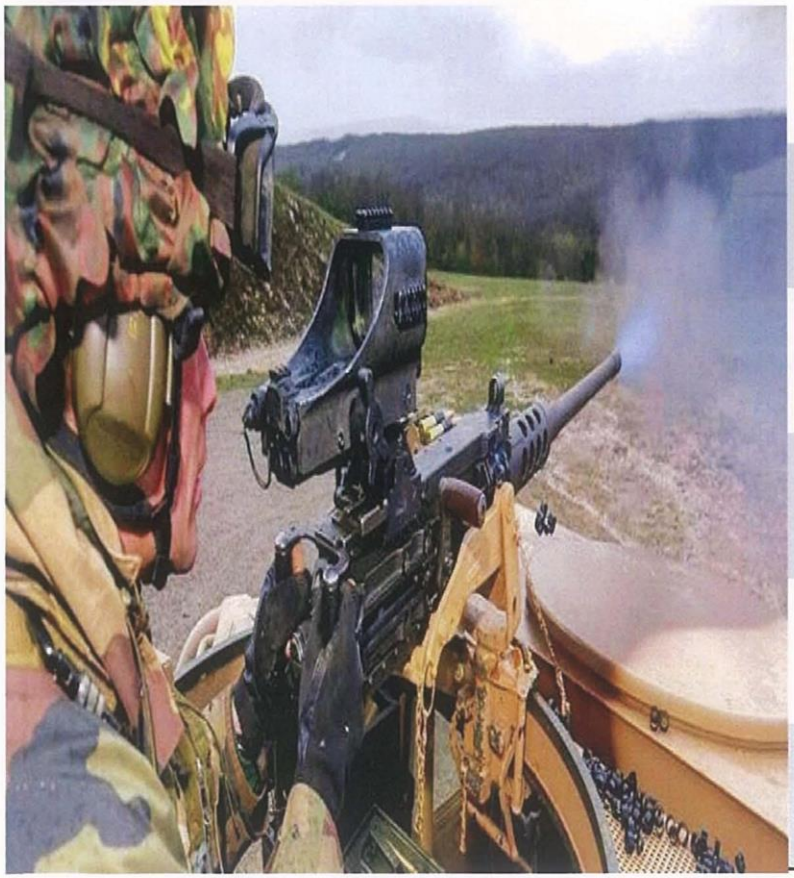
OPTICAL EQUIPMENT ----------P70 ~ 97

RAIL ---------- P98

OPTICAL EQUIPMENT



Model	DCL120	DCL120H
Designed Weapons	HMG NATO 12.7mm(M2HB, K6)	HMG NATO 12.7 mm w/Platform on Helicopter (M2HB, K6)
Trajectory Range	200,400,600,800, 1,200 meters(5Ranges)	
Reticle Shape & Size	Red Dot W/Circle (3 MOA Dot & 40 MOA Circ;e)	
Objective Lens	120 x 70	
Brightness Setting	8 daylight, 3 night vision	
Dimensions	330 x 180 x 155 mm	
Weight	3,100 g	
Battery Life	CR123 @ 2/ 1,000 Hrs	
Operation Temp	-41° ~ 71° C, (-42° ~ 160° F)	



OPTICAL EQUIPMENT





Model	DCL110
Objective Lens	85 x 55 mm
Reticle Shape & Size	Red Dot W/Circle (3MOA & 35 MOA)
Brightness Setting	8 daylight & 3 night vision
Dimensions	225 x 130 x 120 mm
Weight	1,300 g
Battery Life	CR123 @ 1/ 700 Hrs
Operation Temp	-41° ~ 71° C, (-42° ~ 160° F)

Model	DCL110	DCL110H	DCL110HE
Designed Weapons	HMG NATO 12.7 mm (M2HB, K6)	HMG NATO 7.62 mm (M240D, M60D, MG3)	Cannon NATO 20 mm
Trajectory Range	200, 400, 500, 600, 700, 800, 1000, 1200 m (8 Ranges)	200, 400, 500, 600, 700, 800, 900, 1000 m(8 Ranges)	800, 1000, 1200, 1400, 1600, 2000 m (6 Ranges)

OPTICAL EQUIPMENT





Model	DCL110AD-3X
Designed Weapons	HMG NATO 12.7 mm (M2HB, K6) or HMG NATO 7.62 mm (M240D, M60D, MG3)
Trajectory Range	200, 400, 600, 800, 1000, 1200, 1500, and 2000 meters
Objective Lens	85 x 55 mm
Reticle Shape & Size	Red Dot W/Circle (3 MOA & 35 MOA
Brightness Setting	11 Day / 11 N.V. Mode
Dimensions	300 x 130 x 120 mm
Weight	1,950 g
Battery Life	CR123 @ 1/ 750 Hrs
Operation Temp	-41° ~ 71° C,(-42° ~ 160° F)

OPTICAL EQUIPMENT



Model	DCL110
Objective Lens	45 x 31 mm
Reticle Shape & Size	Red Dot W/Circle (3M OA & 35 MOA)
Brightness Setting	8 daylight, 3 night vision
Dimensions	180 x 100 x 90 mm
Weight	720 g
Battery Life	CR123 @ 1 / 700 Hrs
Operation Temp	-41° ~ 71° C, (-42° ~ 160° F)



Model	Designed Weapons	Trajectory Range
DCL100S	LMG NATO 5.56 mm (M249, K3)	200, 300, 400, 500, 600, 800 m (6 Ranges)
DCL100M	GPMG NATO 7.62 mm (M240)	200, 400, 500, 600, 700, 800, 900, 1000 m (8 Ranges)

OPTICAL EQUIPMENT





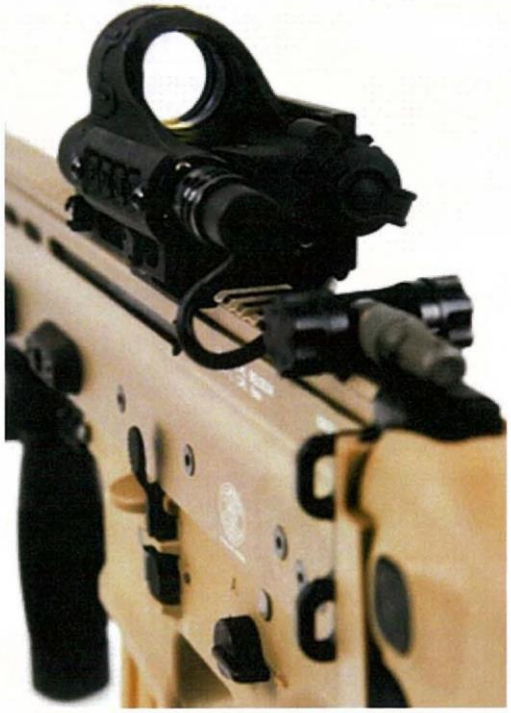
Model	DCL 401
Objective Lens	85 x 55 mm
Reticle Shape & Size	Red Dot W/Circle (3 MOA & 35 MOA)
Brightness Setting	8 daylight, 3 night vision
Dimensions	260 x 150 x 330 mm
Weight	4,500 g
Battery Life	CR123 @ 1 / 700 Hrs
Operation Temp	-32° ~ 71° C, (-25.6° ~ 160° F)



Model	Designed Weapons	Trajectory Range
DM 401	NATO 40 mm AGL (K4)	200, 400, 600, 700, 800, 900, 1000, 1200, 1300, 1400, 1500 m (12 Ranges)
DM 401M	NATO 40 mm AGL (MK19)	
DM 401G	NATO 40 mm AGL (GMG40)	

OPTICAL EQUIPMENT

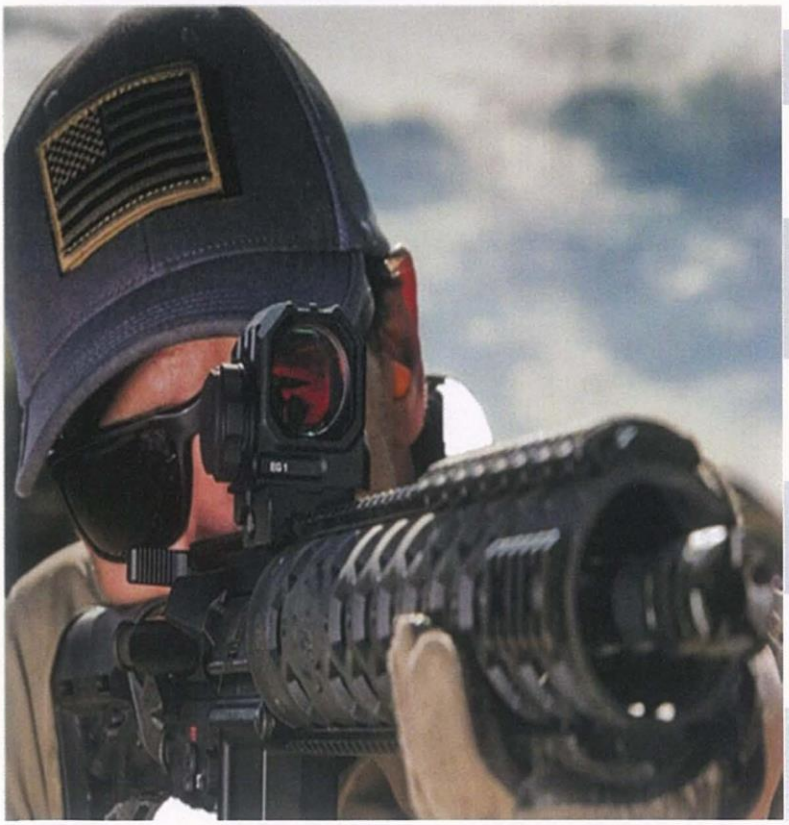




Model	ODL2D
EYE RELIEF	UNLIMITED, NO CENTERING REQUIRED
RED DOT MOA	3 MOA (DOT), 60 MOA (CIRCLE)
OBJECTIVE LENS	28.3 mm
1 CLICK	1 MOA / CLICK
ELEVATION ADJUSTMENT RANGE	150 CLICKS
OPERATING TEMP RANGE	-15° - +65° C, (5°- +149° F)
AUTO SHUT-OFF	MOTION SENSOR BUILT-IN
SYSTEM	PARALLAX FREE, REFLEX, COLLIMATER SYSTEM
MAGNIFICATION	1X
L x W x H	110 mm x 70 mm x 70 mm
OPTICAL COATING	MULTI LAYER, ANTI-REFLEX
DIGITAL SWITCH	1 OFF, 8 DL, 8 NV MODE
WINDAGE ADJUSTMENT RANGE	150 CLICKS
WEIGHT	390 gr W/O BATTERIES, 410 gr WITH BATTERIES
ENVIRONMENT TEST	MIL-STD 810 QUALIFIED / WATER PROOF to 30 ft depth

OPTICAL EQUIPMENT





Model	DCL30
OPTIC TYPE	Parallax free prism
EYE RELIEF	Unlimited
OVERALL DIMENSIONS	48 mm x 53 mm x 62 mm
DOT SIZE	1.5 MOA
STORAGE TEMP RANGE	-41°~ 71°C, (-42° ~ 160°F)
MIL SPEC CONFORMITY	MIL-STD 810
ADJUSTMENT RANGE	150 CLICKS / 1 MOA Per Click
LENS DIMENSIONS	30 mm Diameter
MAGNIFICATION	1X
WEIGHT	325 g (11.3 Oz) w/Battery & optional QD Mount
BRIGHTNESS SETTINGS	Day Time @ 7 / Night Time @ 4
OPERATING TEMP RANGE	-32°~ 71°C, (-25.6° ~ 160°F)
IR COMPATIBLE	YES
MOUNT	MIL-STD 1913 Rail

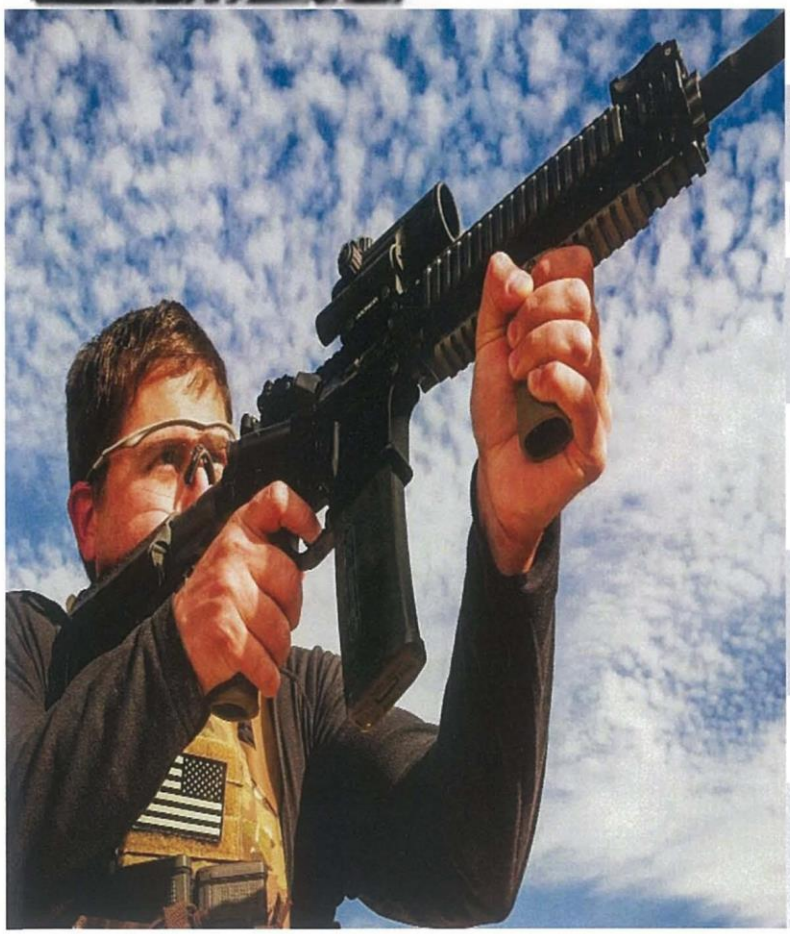
OPTICAL EQUIPMENT



Model	DCL-23
OPTIC TYPE	Parallax free prism
EYE RELIEF	Unlimited
OVERALL DIMENSIONS	48 x 34 x 40 mm (L x W x H)
RETICLE SIZE	2 MOA
STORAGE TEMP RANGE	-41° ~ 71° C, (-42° ~ 160° F)
MIL SPEC CONFORMITY	MIL-STD 810 Environment Testing
SWITCH	SINGLE Push Button
ADJUSTMENT RANGE	150 CLICKS
LENS DIMENSIONS	17mm x 23mm
MAGNIFICATION	1X
WEIGHT	119 g (4.2 Oz)
BRIGHTNESS SETTINGS	14 (7 daylight, 7 night vision)
OPERATING TEMP RANGE	-32° ~ 71° C, (-25.6° ~ 160° F)
NIGHT VISION COMPATIBLE	YES
MOUNT	MIL-STD 1913 Rail
ADJUSTMENT PER CLICK	1 MOA @ 100 Meters

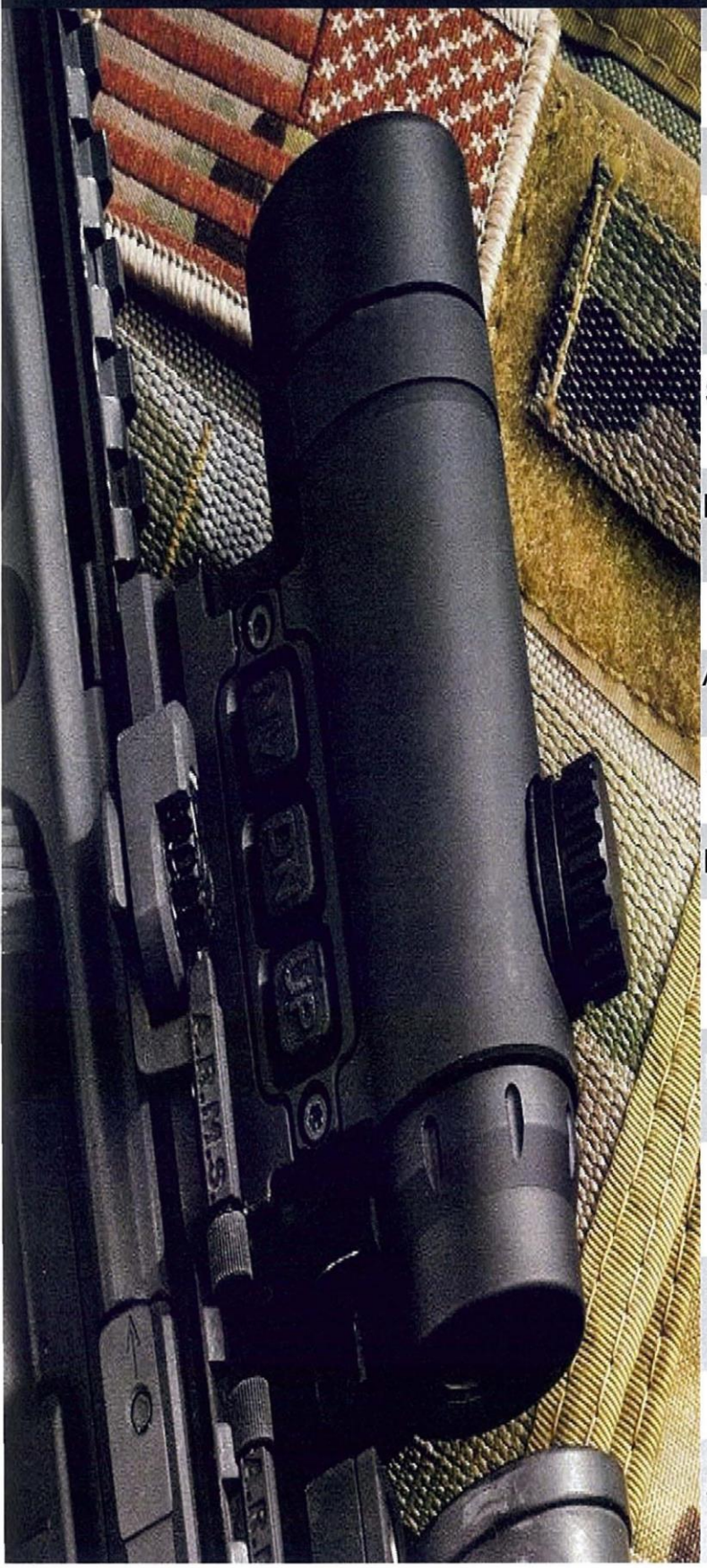
OPTICAL EQUIPMENT





Model	T3N
OPTIC TYPE	Collimator Red Dot Reflex
EYE RELIEF	Unlimited
OVERALL DIMENSIONS	130 x 60 x 70 mm (L x W x H) (W/O Mount)
DOT SIZE	1.5 MOA / 1 MOA / 0.7 MOA
ORAGE TEMP RANGE	-41° ~ 71° C, (-42° ~ 160° F)
MIL SPEC CONFORMITY	MIL-STD 810 Durability Testing
ADJUSTMENT RANGE	150 CLICKS
LENS DIMENSIONS	30mm Objective Lens 26mm Ocular Lens
MAGNIFICATION	1X
WEIGHT	345 g (No Mt, No Battery, No D. Caps) 455 g (Mount, Battery, Dust. Caps)
BRIGHTNESS SETTINGS	11 (8 daylight, 3 night vision)
OPERATING TEMP RANGE	-32° ~ 71° C, (-25.6° ~ 160° F)
MOUNT	MIL-STD 1913 Rail
ADJUSTMENT PER CLICK	1 MOA @ 100 Meters

OPTICAL EQUIPMENT



Model	T3S
OPTIC TYPE	Collimator Red Dot Reflex
EYE RELIEF	Unlimited
OVERALL DIMENSIONS	110 x 55 x 70mm (L x W x H) (W/O Mount)
DOT SIZE	1.5 MOA / 1 MOA / 0.7 MOA
STORAGE TEMP RANGE	-41° ~ 71° C, (-42° ~ 160° F)
MIL SPEC CONFORMITY	MIL-STD 810 Durability Testing
SWITCH	THREE Push Buttons
ADJUSTMENT RANGE	150 CLICKS
LENS DIMENSIONS	30mm objective lens, 23mm ocular lens
MAGNIFICATION	1X
WEIGHT	260 g (No Mt, No Battery, No Dust Caps) 365 g (W/ Mount , Battery, Dust Caps)
BRIGHTNESS SETTINGS	14 (7 daylight, 7 night vision)
OPERATING TEMP RANGE	32° ~ 71° C, (-25.6° ~ 160° F)
NIGHT VISION COMPATIBLE	YES
MOUNT	MIL-STD 1913
ADJUSTMENT PER CLICK	1 MOA @ 100 Meters

OPTICAL EQUIPMENT





Model	MDS-17
OPTIC TYPE	Collimator LED Red Dot
EYE RELIEF	Unlimited
OVERALL DIMENSIONS	43 x 27 x 26 mm (L x W x H)
RETICLE SIZE	2 ~ 3 MOA
STORAGE TEMP RANGE	-41° ~ 71° C, (-42° ~ 160° F)
MIL SPEC CONFORMITY	MIL-STD 810 Durability Testing
ADJUSTMENT RANGE	130 CLICKS
WINDOW DIMENSIONS	24 mm x 17 mm
MAGNIFICATION	1X
BRIGHTNESS SETTINGS	Automatic Brightness Mode
OPERATING TEMP RANGE	-32° ~ 71° C,(-25.6° ~ 160° F)
MOUNT	Dovetail Mount / Mil Standard 1913
ADJUSTMENT PER CLICK	1 MOA @ 100 Meters

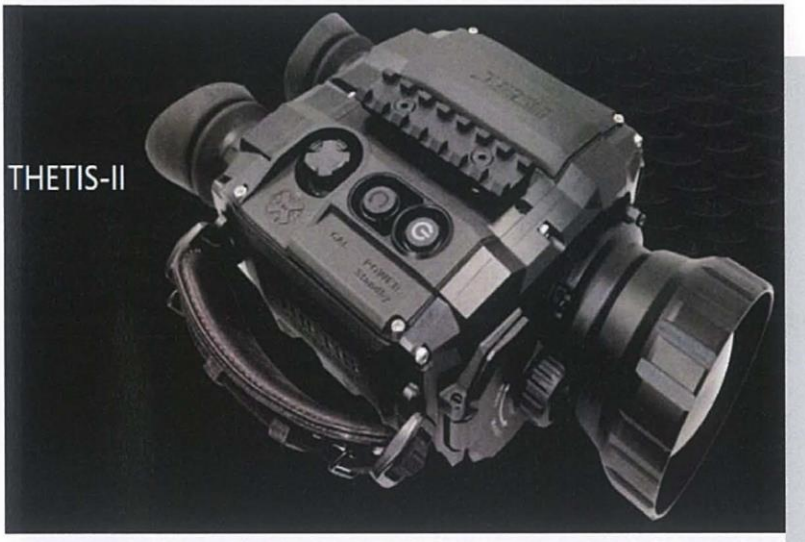
OPTICAL EQUIPMENT





Model	DCL-3X
Objective Lens	23 mm
EYE RELIEF	41 ~ 58 mm
OVERALL DIMENSIONS	105 x 44 x 45 mm (L x W x H)
STORAGE TEMP RANGE	-41° ~ 71° C, (-42° ~ 160° F)
MIL SPEC CONFORMITY	MIL-STD 810 Durability Testing
Ocular Lens	28 mm
WEIGHT	250 g
OPERATING TEMP RANGE	-32° ~ 71° C, (-25.6° ~ 160° F)
MOUNT	Ring Mount / ARMS #78 T.I.T.S.

OPTICAL EQUIPMENT


THETIS-II

SPECIFICATIONS		THETIS-II
Daytime	FOV	N/A
	Detection Range	N/A
Thermal	Detector Type	Uncooled 640x480 (8~12μm)
	FOV	Narrow : 5.6°x4.2° / Wide : 8.4°x6.3°
	E-Zoom	N/A
	Power Save	Proximity Sensor
		Stanby Mode
	Video	N/A
		N/A
	Video Output	NTSC
	Operating Time	> 6Hrs (Li-ion)
	Memory	SD Memory Card / USB B Client
Mechanical	Dimension	SD Memory Card / USB B Client
	Weight	<2Kg
	Environmental Condition	MIL-STD-810F
GPS / LRF / DMC		N/A

OPTICAL EQUIPMENT



SPECIFICATIONS		THETIS-M
Daytime	FOV	7°±5%
	Detection Range	6Km (Vehicle, NATO Standard)
Thermal	Detector Type	Uncooled 640x480 Vox FPA (8~12μm)
	FOV	7°±5%
	E-Zoom	x2
	Power Save	Proximity Sensor
		Stanby Mode
	Video	Recording >1Hr
		Snap Shot >10,000 photos
	Video Output	PAL/NTSC
	Operating Time	> 6Hrs (Li-ion) > 4Hrs (CR123A)
	Memory	SD Memory Card / USB B Client
Mechanical	Dimension	232x220x89 (mm)
	Weight	<2.5Kg
	Environmental Condition	MIL-STD-810G
GPS / LRF / DMC		Activated

OPTICAL EQUIPMENT



SPECIFICATIONS		TWS-VM
Optical	System Magnification	3 X (E-Zoom : 6 X / 12 X), 6 X (E-Zoom : 12 X / 24 X)
Mechanical	Cooling Type	Uncooled
	Operating Temperature	-32°C ~ +43°C
	Storage Temperature	-40°C ~ +63°C
	Dimension	361x125x100 (mm)
	Environmental Condition	MIL-STD-810F MIL-STD-461E
	Mounting Bracket	Standard Picatinny Rail(MIL-STD-1913)
Electrical	Detector type	Uncooled microbolometer
	Array Size	320 x 240
	Wavelength	8-12 um
	Power	External Power : 3.3 to 5.5 Volt DC Battery (VDC) : 4.1 ± 0.3 Volt (Dry Cell) x 2ea
	Battery Life	18Hrs (Li-Ion, rechargeable 2ea) 6Hrs (Li-Ion, rechargeable 1ea) 15Hrs (AA Li-Ion 8ea)
	Video Output	NTSC
	Brightness / Contrast	Auto, Manual
	Polarity Control	Auto, Manual (Black, White Hot)
	Reticle	4 Preset Patterns



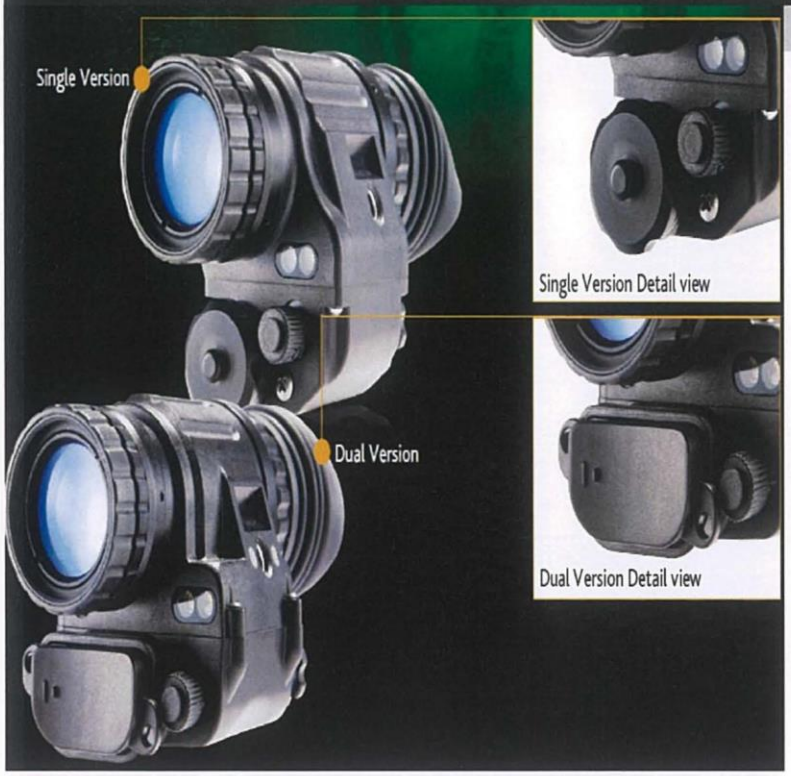
OPTICAL EQUIPMENT





SPECIFICATIONS		FICON
Optical	Magnification	Direct Visible Module : 2.2X Thermal Imaging Module : 2.2X
	Detection Range	500m (Person)
	Field of View	Direct Visible Module : 10° Thermal imaging Module : 10 °x 7.5 °
	Eye Relief	50mm min.
	Resolution	Direct Visible Module : 30” Thermal Imaging Module: 320x240
	Diopter Focus	-4D ~ +2D
	Laser Range Finder Range	500m@1x1m
	Trajectory Calculation	Trajectory calculation Automated reticle
	Ambient Sensors	Temperature, inclination (Sensors)
	Fuse Setting	Power & Signal supply to AB fuse (Fuse Setter)
Mechanical	Weight	2Kg
	Environmental Condition	MIL-STD-810F & MIL-STD-461E
Electrical	Power	3.6VDC / 8 Hours
	Array Size	320 X 240(UFPA)

OPTICAL EQUIPMENT











SPECIFICATIONS		NWS
Optical	Image Intensifier Tube	Gen. III or equivalent to Gen. III
	On-Axis Resolution (min.) at Optimum	
	·System Magnification	1 X ± 0.03
	System Distortion	Less than 3%
	·Range Focus	25cm to infinity
	Diopter Focus	+2 to -6 diopters
	Eye Relief	25mm
	Field of View	40。 ± 2
	Objective Lens	F/1.2
Mechanical	Operating Temperature	-51℃ ~ +49℃
	Storage Temperature	-51℃ ~ +85℃
	Weight w/ batteries	Dual Type 370g, Single Type 350g
	Environmental Condition	MIL-STD-810F
Electrical	Power Source	1 or 2 AA batteries(Alkaline/Lithium)
	Battery Life (min.)	Dual Type : 120 hours (Two AA batteries)
		Single Type : 40 hours (One AA battery)

OPTICAL EQUIPMENT





SPECIFICATIONS		DNS
Optical	Image Intensifier Tube	Gen. III or equivalent to Gen. III
	System Magnification	4 X
	Detection Range	800m (Person), 1,200m (Vehicle)
	Range Focus	15m to infinity
	Diopter Focus	+2 to -4 diopters
	Eye Relief	25mm
	Field of View	10°
	Objective Lens	F/1.5
Mechanical	Operating Temperature	-51℃ ~ +50℃
	Storage Temperature	-51℃ ~ +70℃
	Weight	Daytime : 870g, Nighttime : 1,080g
	Environmental Condition	MIL-STD-810F
	Adjustable Brightness Control Knob	
	Illuminated Reticle with Light Intensity Adjustment	
Electrical	Power Source	2 AA batteries (Alkaline/Lithium)
	Battery Life (min.)	100 hours at 25℃

OPTICAL EQUIPMENT



SPECIFICATIONS		NWS
Optical	System Magnification	4X / 2.6X
	Field Of View	8°(4X) / 13°(2.6X)
	Range(Single man size Target)	a) Detection Range : 1,200m b) Recognition Range : 300m Minimum
	Diopter adjustment	-4.5 to +2
	Range Focus	25m to infinity(4X) / 15m to infinity(2.6X)
Mechanical	Various kinds of Reticle can be implemented	
	Reticle illumination On and Off	
	Reticle illumination brightness level adjustable	
	Movable Reticle (Azimuth and Elevation adjustment)	
	Mountable on various rifles(5.56mm Insas Rifle and LMG etc)	
	Weight	Less than 1.35kg(4X) / Less than 0.95kg(2.6X)
	Operating Temp	-31°C to 55°C
	Low Battery Indicator on screen	
	Power Source	Primary and rechargeable battery available
	Operating time	>15hrs in continuous use
	Environmental Condition	MIL-STD-810F
Electrical	Power source	Commercial AA Battery
Image Intensifier Tube	Resolution	64 lp/mm or better
	Signal to Noise Ratio(SNR)	22 or better
	Mean Time to Failure	Minimum 10,000 operational hrs
	Military Grade	
	Inbuilt AGC and BSP	



OPTICAL EQUIPMENT



SPECIFICATIONS		SMOD
Optical	Image Intensifier Tube	Gen. III or equivalent to Gen. III
	System Magnification	Day 15.5 X, Night 9.5 X
	Detection Distance	Day 4.0 ~ 7.5km, Night 1.0 ~ 1.2km
	Range Focus	15m to infinity
	Diopter Focus	+2 to -6 diopters
	Field of View	Day 5.3°, Night 4.5°
	Exit Pupil	Day 4.31mm, Night 5mm
Mechanical	Operating Temperature	-35℃ ~ +50℃
	Weight	2.20kg
	Environmental Condition	MIL-STD-810
	Image Stabilizing Gyro System	
Electrical	Power Source	BA-5567/U(2.7V) or 2 AA batteries (Alkaline/Lithium)
	Battery Life (min.)	BA-5567/U 21hours, AA Alkaline 38hours

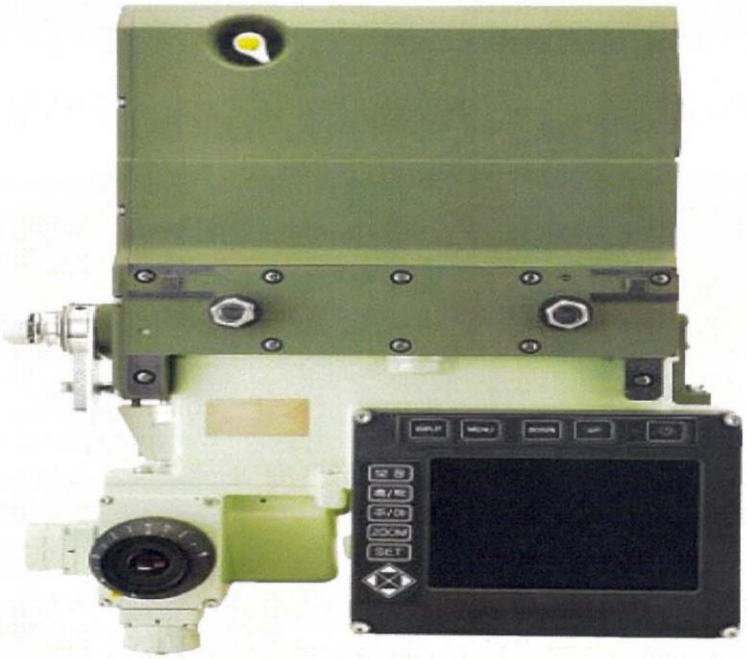
OPTICAL EQUIPMENT

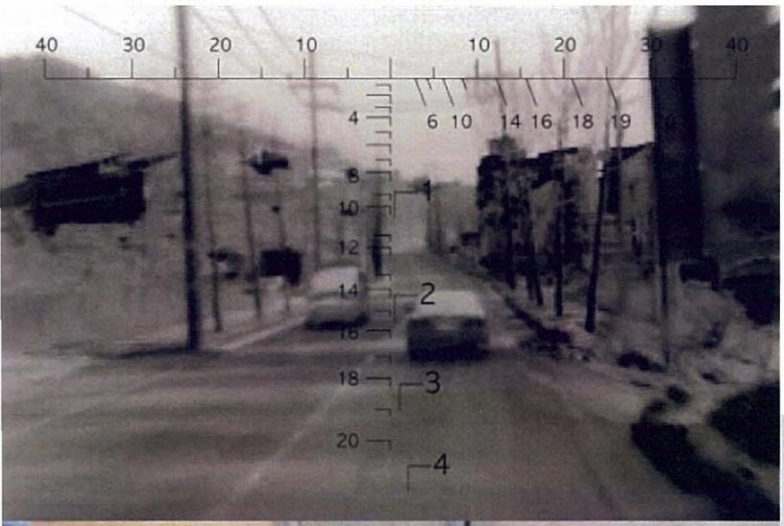




SPECIFICATIONS		NAS-52
Optical	System Magnification	1x
	Compatibility with Daytime Sight	Compatible from 3x to 12x of Daytime Sight Magnification
	Range Focus	10cm to infinity or better
	Low Battery Indicator Available	
Mechanical	Remote Control System Available (Cable Type)	
	Mountable on various rifles (MIL-STD-1913)	
	Weight	Less than 700g
Electrical / Environmental	Power Source	1x1.5V AA Type (More than 25Hrs. Operation)
	Environmental Condition	MIL-STD-810G & F

OPTICAL EQUIPMENT







SPECIFICATIONS		TGPS
Optical	Magnification	Direct Visible Module : 8X Daytime CCD Module : 1X Thermal Imaging Module : W.FOV - 3X , N.FOV - 6X
	Detection Range	1,500m (Vehicle)
	Field of View	Direct Visible Module : 6° ± 5%
		Daytime CCD Module : 40° X 30°
		Thermal imaging Module : W.FOV : 12° X 9°, N.FOV : 6° X 4.5°
	MRTD	1.2℃ @0.75 cy/mrad
	Eye Relief	18mm min.
Mechanical	Weight	23kg
	Dimension (L X W X H)	380X270X510mm
	Environmental Condition	MIL-STD-810F
	EMI	MIL-STD-461E
Electrical	Power	20 ~ 30 Volt DC
	Video Output	NTSC Standard
	Wavelength	8 -12 ㎛
	Array Size	320 X 240(UFPA)

OPTICAL EQUIPMENT



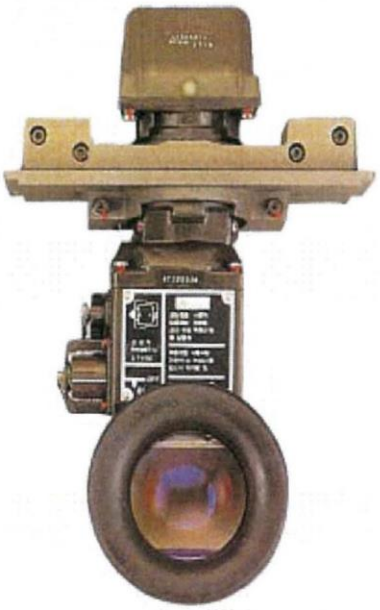


SPECIFICATIONS		TDV
Optical	Magnification	1X
	Field of View	Moving 30° (both Horizontal and Vertical)
		Fixed : 45°< (Horizontal) 34°< (Vertical)
	MRTD	0.5℃<@0.1 cy/mrad
Mechanical	Weight	5.0kg(Without Display)
	Environmental Condition	MIL-STD-810F
	EMI	MIL-STD-461E
	Operating Temperature	-32℃ ~ 50℃
Electrical	Power	24 ± 6 Vdc
	Functions	Black Hot/ White Hot
		Gain Control Function
		Image Compensation
	Array Size	320x240 (UFPA)

OPTICAL EQUIPMENT



AN/VVS-2(V)
I



AN/VVS-2(V)
II



AN/VVS-2(V)
III



AN/VVS-2(V)
IV

Model	NDV
Field of View	Horizontal 44°, Vertical 35°
Resolution	1.25 milliradians
Depth of Field	4m ~ infinity
Magnification	1x
Ambient Brightness Cut-off	The electronic Control assembly disengages power to the Image Intensifier when the ambient brightness exceeds a specified level, typically 4 foot-lamberts.
Operating Temperature	-51℃ ~ +52℃
Storage Temperature	-51℃ ~ +68℃
M.T.T.F	Min. 1,000hrs

OPTICAL EQUIPMENT



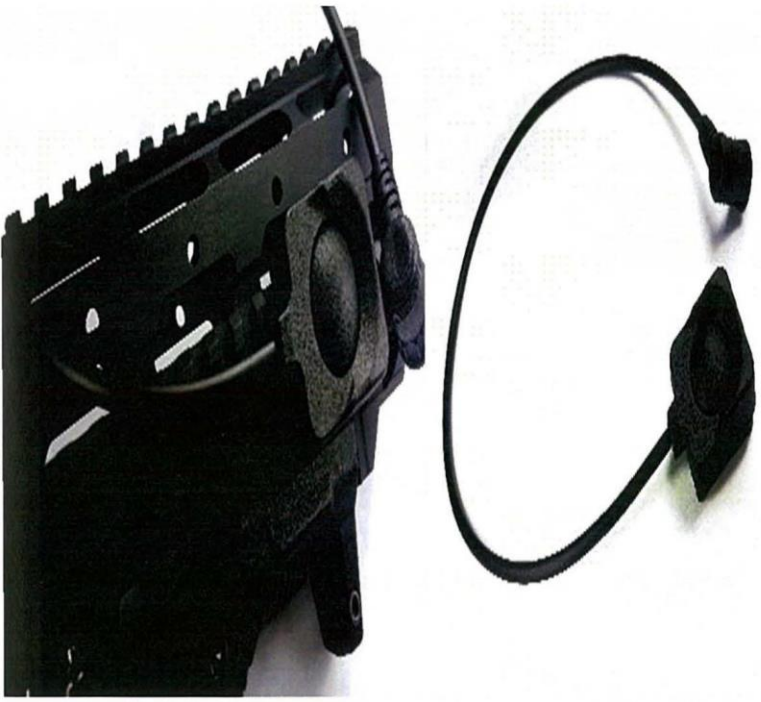




Model	PVS-04K (Night vision goggle)
Image Intensifier Tube	Gen 3
Photocathode material	Gallium Arsenide(GaAs)
Resolution	64
Signal to Noise Ratio(SNR)	21
Auto-gating	Yes (Option)
Magnification	1
Eye relief Unit: mm	25
Focus range Unit: mm	25 ~ Infinity
Diopter adjustment range	-6 to +2
Field of view	40°
F-Number	F/1.2
Dimensions Unit: mm	122x60x65
Weight with batteries Unit: g	380
IR illuminator	Include
Battery type	1xAA, 2xAA
Battery life Unit: hours	180
Operating temperature range	-51℃ ~ +49℃
Storage temperature range	-51℃ ~ +85℃

OPTICAL EQUIPMENT





Model	Laser(MPRS B30	D Dot, Sight(MPR S 3027)
Case Material	AL 6061-T6	
Surface (protect)finis h	Hard anodizing	
Mount	Mount for MIL STD 1913 Picattiny Rail	
L x W x H	106mm x 83m m x 32mm	117mm x 44mm x 74mm
Weight	570g (Battery 2EA included)	
Battery	CR123A 3V Lithium battery 1 EA	
Electric current	<300mA	
Battery life (hours)	15 hours 30 mi nutes	700 hours
Life	50,000 hours	
Temperature Range	- 40°C~ +60°C	
Storage temperature	- 50°C~ +85°C	
Laser mode	RED LASER	IR LASER
Wave Length	650nm	850nm
Output	30mw	30mw

OPTICAL EQUIPMENT



Model	Laser(MPRS DB30)
Case Material	AL 6061-T6
Surface(protect)finish	Hard anodizing
Mount	Mount for MIL STD 1913 Picatti ny Rail
L x W x H	106mm x 83mm x 32mm
Weight	250g (Battery 1EA included)
Battery	CR123A 3V Lithium battery 1 E A
Electric current	<300mA
Battery life (ho urs)	15 hours 30 minutes
Life	50,000 hours
Temperature R ange	- 40°C~ +60°C
Storage tempe rature	- 50°C~ +85°C

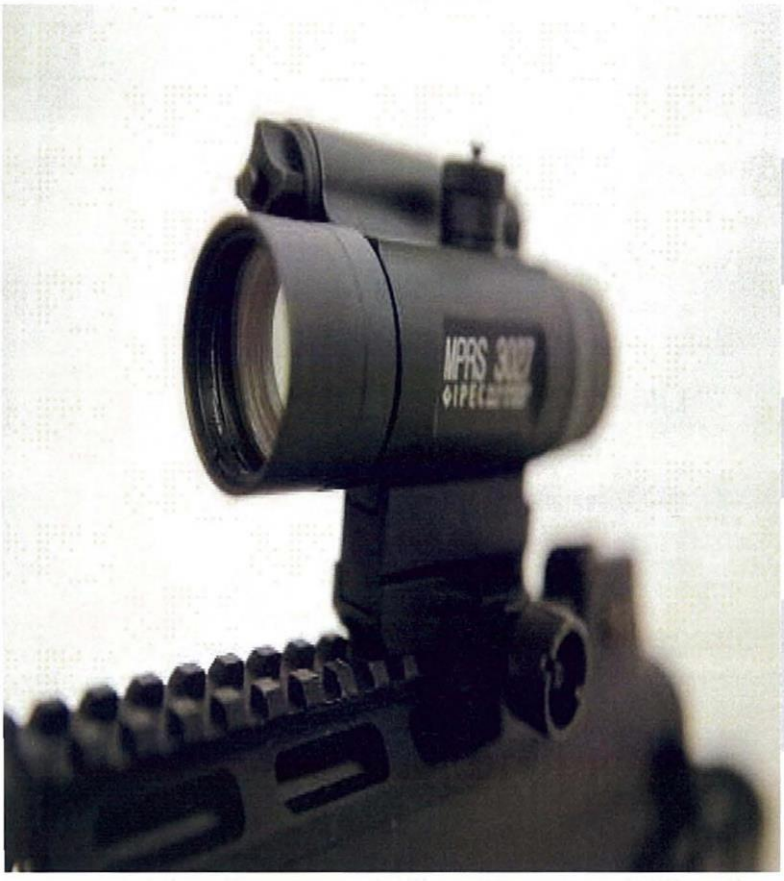


Laser mode	RED LASER	IR LASER
Wave Length	650nm	850nm
Output	30mw	30mw

OPTICAL EQUIPMENT



Model	MPRS 3027 (Multi Purpose Reflex Sight
Case Material	AL 6061-T6
Surface(protect) finish	Hard anodizing
Mount	Mount for LIL STD 1913 Picattiny Rail
L x W x H	117mm x 44mm x 74mm
Weight(g)	275g
Battery	CR123A 3V Lithium battery 1 EA
Electric current	<300mA
Battery	25 ~ Infinity / 25mm~infinity
Battery life (hours)	700
Temperature Range	-45℃ ~ +75℃
Storage temperature	-50℃ ~ +85℃



RAIL



Explanation

1. K1 Submachine gun accessary
2. Picattiny Rail, Connected with ac cessary
3. Connected with Angled fore gri p and accessary



Model	K1 RAIL SYSTEM
Weight(g)	540
Height(mm)	76
Length(mm)	360
Width(mm)	33.5
33.5	AL 6061 Aluminum
Coating	Hard coat anodized finish
Other	Mil STD 1913 Picattiny Rail

ANTI RIOT

Water Cannon ---------- P100
Handcuff ---------- P101 ~ 102
Anti-Riot Launcher ---------- P109 ~ 108
SHELL & GRENADE ---------- P109 ~ 154
PROTECTOR ---------- P155 ~ 156
HELMET & MASK ---------- P157 ~ 159
SHIELD ---------- P159 ~ 163
CHEMICAL ATOMIZER ---------- P163 ~ 164
BATON ---------- P165 ~ 170
GUS GUN ---------- P171 ~179

Water Cannon



■ Exterior of the Product











Chassis	Mounted 5~16ton Truck	
Monitor	Roof (Remote Control)	Max Throwing Distance : 70m
		Slewing Angle -30° ~ +50°
		Rotation 270°
	Bumper (Remote Control)	Max Throwing Distance : 40m
		Slewing Angle -45° ~ +70°
		Rotation 180°
	Lateral (Manual)	Max Throwing Distance : 40m
		Rotation 90°
Pump Engine	4 Cycle, Water Cooled, Inline	
Cabin	Max. 5 Passengers	
	Air Cleaning System	
	Protection Grille	
	Concentrated Main Control System	
Water Tank	All In One(Uni) Tank	
	Capacity 3,000ℓ / 6,500ℓ / 10,000 ℓ	
	Stainless Steel(SUS) Materials	
Proporation System	Foam Proportion (Fire Fighting)	
	Tear Gas (CS)Proportion	
Safe-guard System	Rear Cabin Door Locking System	
	Fire Extinguisher Sprinklers	
Multi-function	Self-Suction Function	From River, Streamlet, Hydrant Vehicle
	Obstacle Removal Equipment	
	CCTV, 24H Time Lapse VCR	
	Rear View Camera	
	Total Drain System	
Option	Bullet-Proof Cab	
	Run Flat Tire (Bullet Proof)	
	4X4 / 6X6 Drive System	
	2-Way Moving Bumper Blade	
	Dye (Pigment) Proportion	

Handcuff



Cheek Body	Aluminum 2.5 /T
Ratchet Arm	Steel 4.0/T
Weight	180/grams
Color	Black, Pink, Blue, Violet, Red, and Plain Aluminum
Packing	Each of poly binly bag & paper bag
Feature	•Embossing type cheek plate •I beam ratchet •Double locking system •Inside protect wall

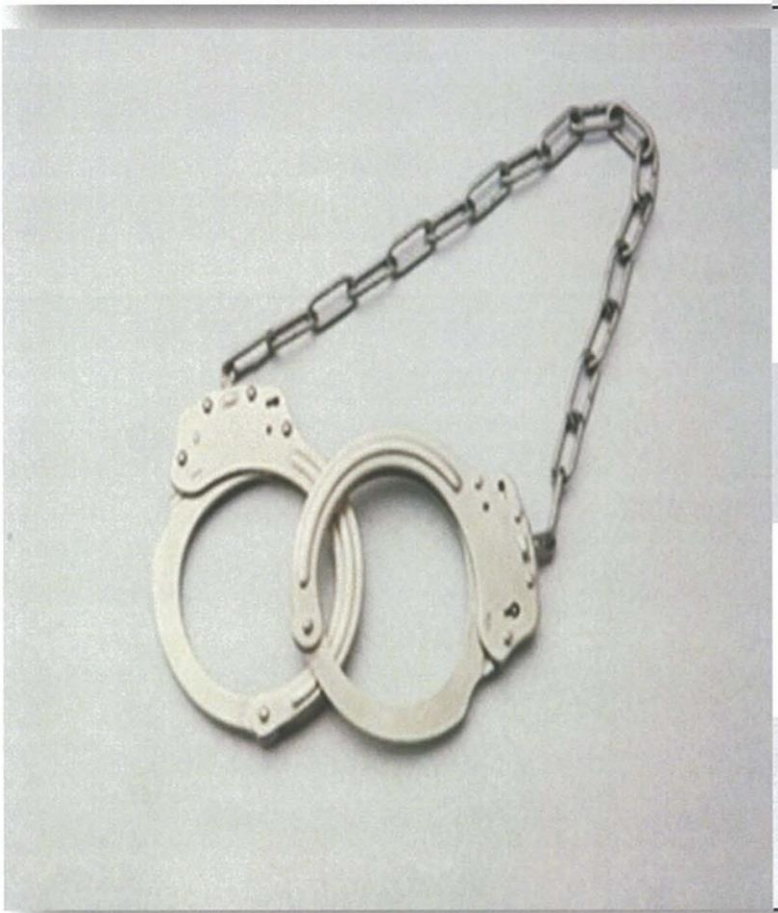


Cheek Body	Aluminum 2.5/T, Nickel Plated
Ratchet Arm	Steel 5.0/T, Nickel Plated 3 line locking position ratchet arm
Weight	180/grams
Feature	•Embossing type cheek plate •I beam ratchet •Double locking system •Inside protect wall •3 standard key

Handcuff



Cheek Body	Steel SHP-1, 2.6/T Heat treated Nickel plated
Hardness	HRC 30 (ASTM B429)
Teeth	20 tooth
Plating	Nickel Plated (About 3.96 microns)
Inside perim	150/mm (min.) 210/mm (max.)
Wrist opering	52/mm
Net weight	350 grams



Cheek Body	Steel SHP-1, 2.6/T Heat treated Nickel plated
Ratchet arm	Steel SM45C, 4.0/T Nickel plated
Chain	Stainless 380mm
Net weight	470 grams
Plating	Nickel Plated (About 3.96 microns)

Anti-Riot Launcher



Size (WxLxH)	4600 x 3450 x 3950 mm
Wheel	1490 mm
Seat Height	900 mm
Minimum ground clearance	275 mm
Spin Range	Closest point : 6.5 Farthest point : 9.5
Weight	420 kg
Load weight	150 kg
Fuel Volume	19 L
Engine Type	Single-Cylinder, 4-valve, SOHC Liquid-cooled
CC	500 CC
Beam & Stroke	87.5 x 82
Pressure Ratio	10.2 : 1
Max Torque	38.8 Nm / 5500 rpm
Max Puissance	24 kw / 6500 rpm
Max Speed	70 km
Fuel System	Carburetor
Purify System	CDI
Voltaic System	CVT
Launcher	DHML-12 (2pcs) 38~40mm
	DHML-56 (3pcs) 56mm
	DH-102PA (1pcs) 38mm
Component	DHML-12 Magazine 2 set
	CCTV (5 hours recording)
	Infraed Camera
	Siren (5 Kinds of Sound)
	Warning Light (Blue, Red)
	Speaker, MIC possible
	Search Light







DHML-12A (2EA)



DHML-56M (3EA)



Extra Magazine (4EA)



Remote Control System



Anti-Riot Launcher



Name	DHML-12S	DHML-12SC
Magazine	12 Rounds	12 Rounds
Caliber	38~40 mm	38~40 mm
W.L.H	460 x 510 x 362 ±10 (mm)	460 x 510 x 362 ±10 (mm)
Material	Steel / Aluminum	Steel / Aluminum
Weight	40 kg ±10	40 kg ±10
Way of launching	Mechanical	Mechanical
Distance	70~130 m	70~130 m
Launching way	Manual / 6,12 Automatic	Manual / 6,12 Automatic
Monitor	6 inch	6 inch
Camera	The infrared camera	27 Times Zoom camera
Infraed lines	50㎜	100m Infrared camera
Recording	Impossible	Recording with USB
Set high angle	0~40°	0~40°
Left/Right Rotation	360°	360°
Water proofing	Possible	Possible
Field water proofing	Possible	Possible
Barrel type	Exchange system	Exchange system
Operation type	Control box	Control box
Voltage	DC 12V 1,500mA	DC 12V 1,500mA
Lengh of gun barrel	175 mm ±10	175 mm ±10
Current	1,500mA	1,500mA

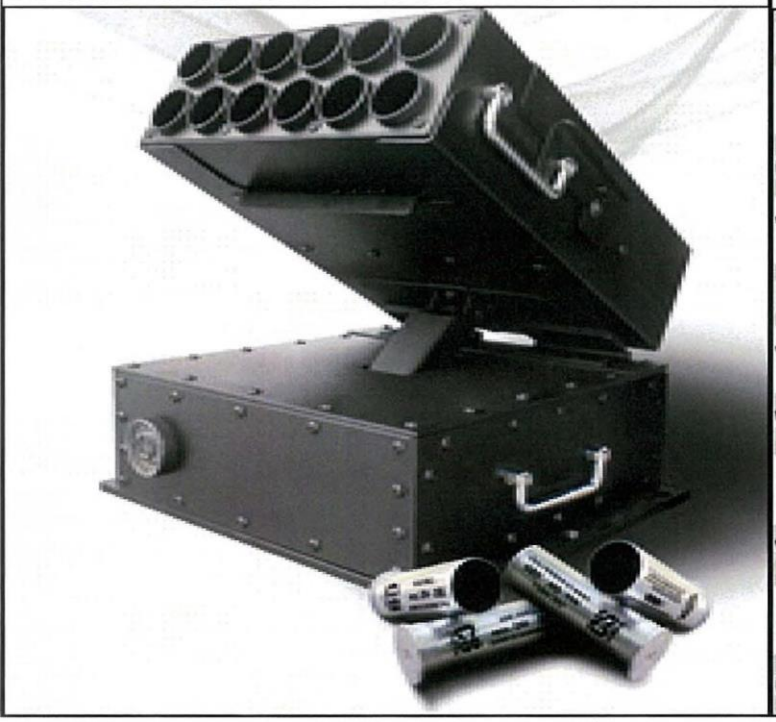
DHML-12A 38mm Anti-Riot 12Round Launcher



Name	DHML-12A
Magazine	12 Rounds
Caliber	38~40 mm
W.L.H	359 x 369 x 317 ±10 (mm)
Material	Steel / Aluminum
Weight	30 kg ±5
Way of launching	Mechanical
Distance	70~150 m
Voltage	DC 12V 1,500mA
Lengh of gun barrel	202 mm ±10
Current	1,500mA

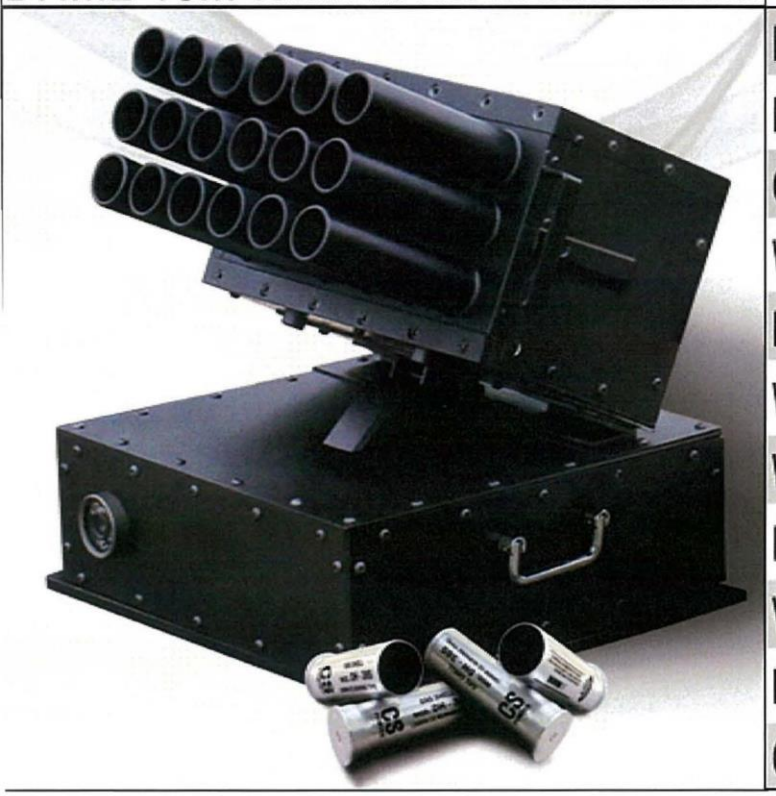
Anti-Riot Launcher

DHML-12M 38mm Anti-Riot 12Round Launcher



Name	DHML-12M
Magazine	12 Rounds
Caliber	38~40 mm
W.L.H	410 x 395 x 288 ±10 (mm)
Material	Steel / Aluminum
Weight	33 kg ±5
Way of launching	Mechanical
Distance	70~130 m
Voltage	DC 12V 1,500mA
Lengh of gun barrel	194 mm ±10
Current	1,500mA

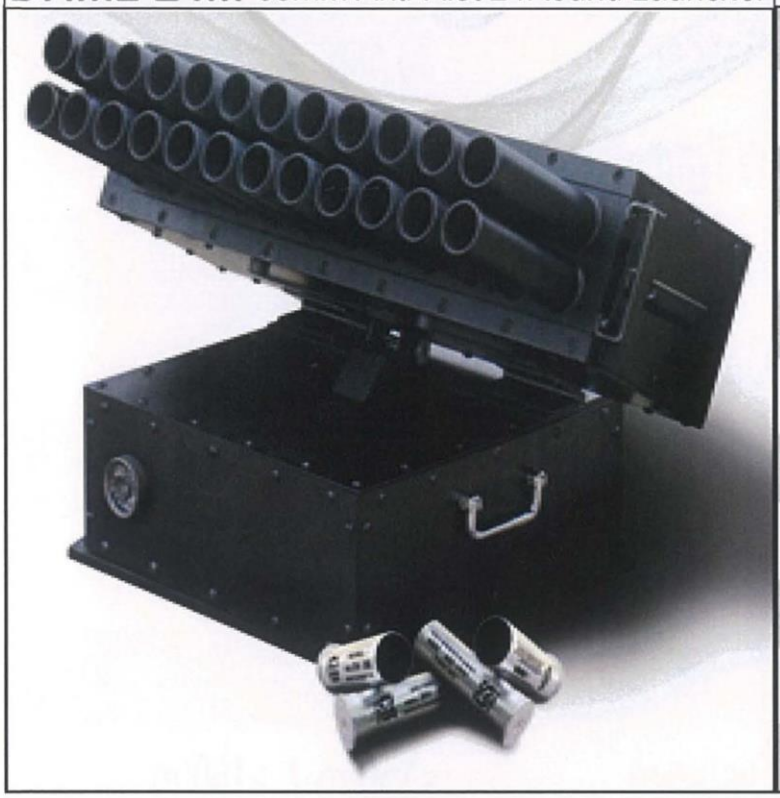
DHML-18M 38mm Anti-Riot 18Round Launcher



Name	DHML-18M
Magazine	18 Rounds
Caliber	38~40 mm
W.L.H	450 x 440 x 368 ±10 (mm)
Material	Steel / Aluminum
Weight	39 kg ±5
Way of launching	Mechanical
Distance	70~130 m
Voltage	DC 12V 1,500mA
Lengh of gun barrel	185 mm ±10
Current	1,500mA

Anti-Riot Launcher

DHML-24M 38mm Anti-Riot 24Round Launcher



Name	DHML-24M
Magazine	24 Rounds
Caliber	38~40 mm
W.L.H	731 x 440 x 338 ±10 (mm)
Material	Steel / Aluminum
Weight	51 kg ±5
Way of launching	Mechanical
Distance	70~130 m
Voltage	DC 12V 1,500mA
Lengh of gun barrel	185 mm ±10
Current	1,500mA

DHML-56M 56mm Anti-Riot 2Round Launcher

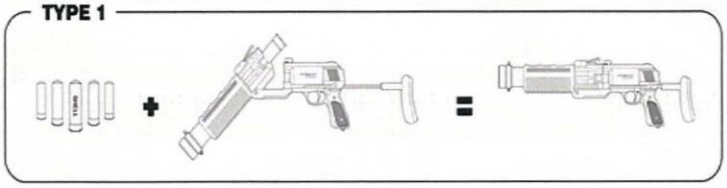


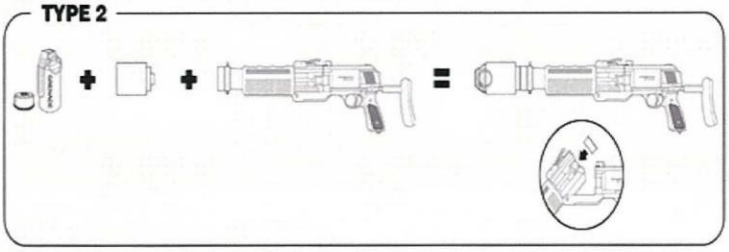
Name	DHML-56M
Magazine	2 Rounds
Caliber	56 mm
W.L.H	258 x 415 x 145 ±10 (mm)
Material	Steel / Aluminum
Weight	10.6 kg ±5
Way of launching	Mechanical
Distance	60~100 m
Voltage	DC 12V 1,500mA
Lengh of gun barrel	245 mm ±10
Current	1,500mA

Anti-Riot Launcher

DH-102PA 38mm Caliber



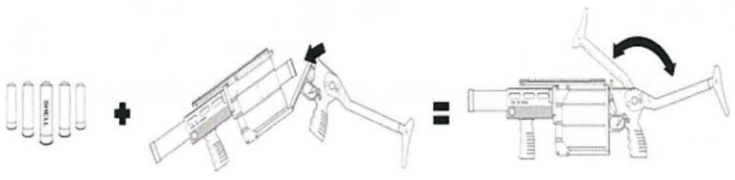




Caliber	38 mm
Weight	1.86 kg
Height	157 mm
Capacity	1 Round
Material	Duralumin
Length	360 mm
Widht	64 mm
Distance	<150 m / >150 m

DH-106 R6A





Caliber	38~40mm
Weight	4.5kg
Height	170mm
Capacity	1~6 Rounds
Material	SM45C Aluminum alloys
Length	610(850)mm
Wight	150mm
Distance	<150m / >150m

Anti-Riot Launcher

DH-156L 56mm CS Tear Gas Launcher



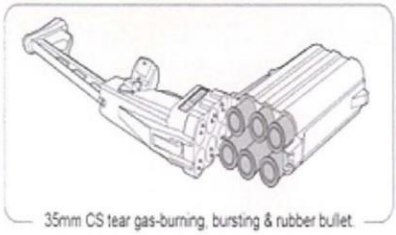
Name	Single Shot Launcher
Classified	Handy, Portable
Caliber	56mm
Loading	1 Round
Shooting Range	200~300m
Type	Single shot
Size	L 850 X H 80 X W 190 mm
Weight	4.12 kg
Meterial	SM45C Aluminum alloys

DH-104 EL6 35MM ELECTRONIC LAUNCHER

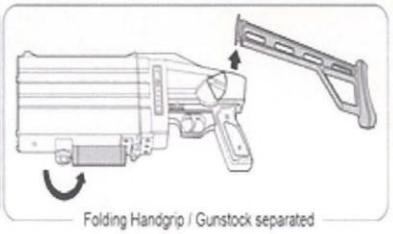


Caliber	35 mm
Weight	4.5 kg
Height	270 mm
Capacity	6 Round
Voltage	DC 7.2V
Material	Duralumin
Length	750 mm
Width	85 mm
Distance	70 m ~ 100 m
Adaptor	Rechargeable

Product constitution



35mm CS tear gas-burning, bursting & rubber bullet



Folding Handgrip / Gunstock separated

SHELL & GRENADE

DH-38S ALUMINUM CARTRIDGE



Diameter	38mm ±1mm
Size(Length)	120mm ±1mm
Weight	175g ±5g
Total chemical weight	65g ±3g
Delay time	2 ~ 3sec
Burn time	20 ±5sec
Range(by 38mm Anti-Riot Gun)	Over 100 meter
Charge	CS Mixture
(CS amount & concentration is able to be adjusted)	
Cartridge material	Aluminum
Projectile material	Aluminum
Shelf life	5 Years
UN Number	1700
Proper shipping name	Tear gas candles
Hazard Class	6.1 or 4.1
Packing	80units / Box

SHELL & GRENADE

DH-38S3 MULTI SMOKE CARTRIDGE



Diameter	38mm ±1mm
Size(Length)	122mm ±2mm
Weight	200g ±10g
Total chemical weight	81g ±5g
Delay time	1 ~ 0.5sec
Burn time	15 ±25sec
Range(by 38mm Anti-Riot Gun)	70 ~ 90m
Total CS Agent	24g
(CS amount & concentration is able to be adjusted)	
Cartridge material	Aluminum or Reinforced Plastic
Projectile	3, Aluminum cased
Projectiles weight	About 36g
Shelf life	5 Years
UN Number	1700
Proper shipping name	Tear gas
Hazard Class	6.1 or 4.1
Packing	80units / Box

SHELL & GRENADE

DH-40S ALUMINUM CARTRIDGE

Burning type



Diameter	40mm ±1mm
Size(Length)	127mm ±2mm
Weight	188g ±5g
Total chemical weight	95g ±3g
Delay time	2 ~ 3sec
Burn time	20 ±5sec
Range(by 38mm Anti-Riot Gun)	Over 100meter
Charge	CS Mixture
(CS amount & concentration is able to be adjusted)	
Cartridge material	Aluminum
Projectile material	Aluminum
Shelf life	5 Years
UN Number	1700
Proper shipping name	Tear gas Candles
Hazard Class	6.1 or 4.1
Packing	80units / Box

SHELL & GRENADE

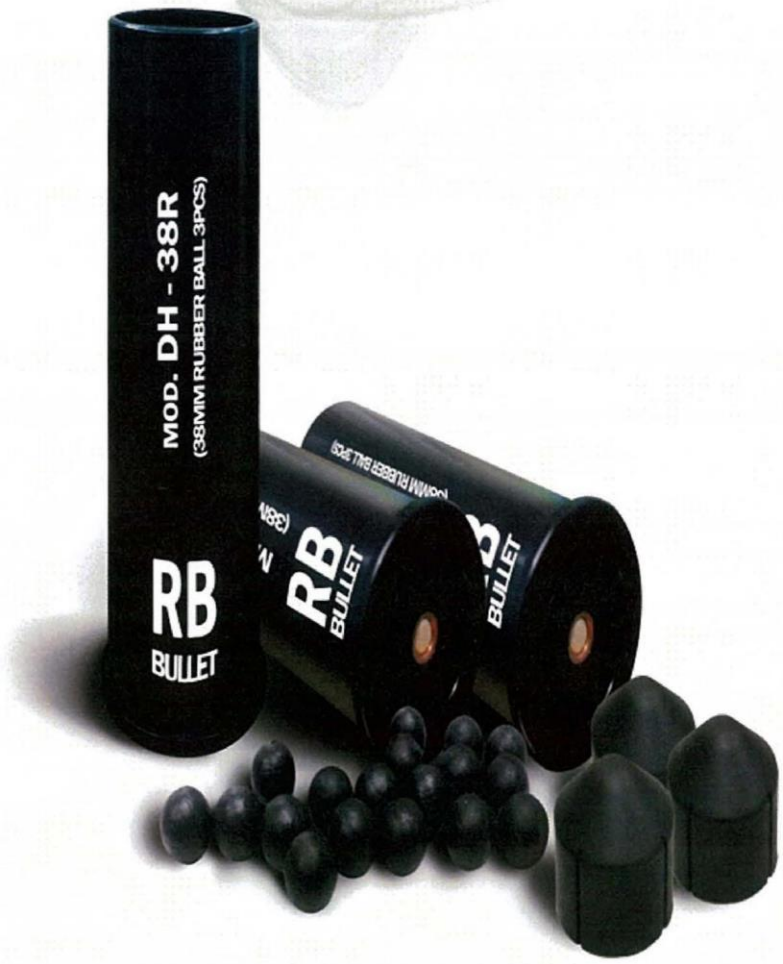
DH-38M CS/YELLOW DYE CARTRIDGE



Diameter	38mm ±1mm
Size(Length)	125mm ±1mm
Weight	103g ±5g
Total chemical weight	30g ±3g
Delay time	2 ~ 3sec
Range(by 38mm Anti-Riot Gun)	60 ~ 80meter
Charge	CS / Yellow dye mixture
(CS amount & concentration is able to be adjusted)	
Cartridge material	Nylon (Plastic)
Projectile material	Nylon (Plastic)
Shelf life	5 Years
UN Number	UN 1700
Proper shipping name	Tear gas Candles
Hazard Class	6.1 or 4.1
Packing	80units / Box

SHELL & GRENADE

DH-38R 3 BATONS CARTRIDGE



Diameter	38mm ±1mm
Size(Length)	125mm ±2mm
Weight	100g ±10g

Cartridge material	Nylon (Plastic)
Charge(by 38mm lamder)	30 ~ 50meter
Batons Size	ϕ33 mm X H28.3 / 3pcs
	ϕ20 mm X 6 pcs
	ϕ10 mm X 65 pcs

SHELL & GRENADE



Model	DK – 38S CS ALUMINUM CARTRIDGE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	120 ± 2mm
Weight	180 ±10g
TECHNICAL DATA	
Total chemical weight	65 ± 5g
Delay time	Within 2.5sec
Burning time	25 ± 5 sec
Range (by 38mm Anti-Riot Gun)	About 100m (Range can be adjusted)
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	Aluminum
Shelf life	4 years

SHELL & GRENADE



Model	DK – 38S CS PLASTIC CARTRIDGE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	125 ± 1mm
Weight	148 ± 5g
TECHNICAL DATA	
Total chemical weight	65 ± 5g
Delay time	Within 2.5sec
Burning time	20 ± 5 sec
Range (by 38mm Anti-Riot Gun)	About 100m (Range can be adjusted)
Charge	CS Mixture
CS amount & concentration is able to be adjustt ed	
Cartridge material	Plastic(Nylon)
Projectile material	Aluminum
Shelf life	4 years

SHELL & GRENADE



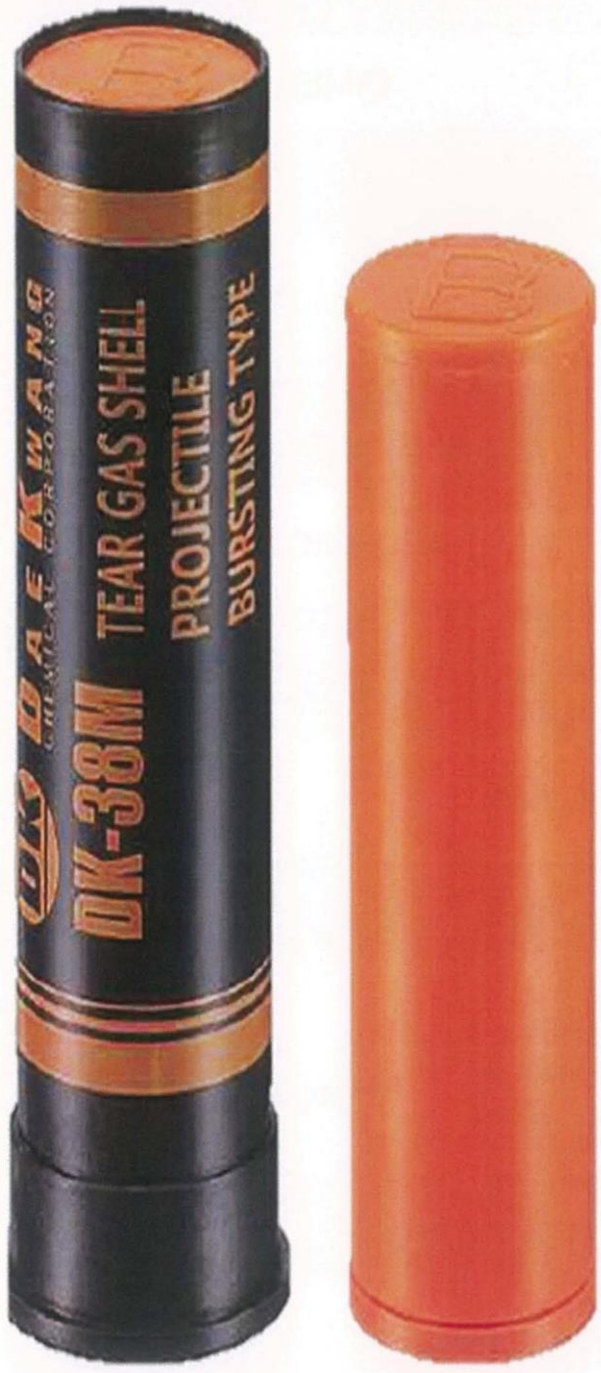
Model	DK – 38S CS MULTI SMOKE 3 PROJECTILE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	120 ± 2mm
Weight	195 ± 10g
TECHNICAL DATA	
Total chemical weight	Over80g(81~90g)
Delay time	Within 1.5sec
Burning time	20 ~ 30 sec
Range (by 38mm Anti-Riot Gun)	70 ~ 90m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	3,Aluminum case
Shelf life	4 years

SHELL & GRENADE



Model	DK – 38S CS MULTI SMOKE 5 PROJECTILE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	150 ± 2mm
Weight	230 ± 10g
TECHNICAL DATA	
Total chemical weight	Over80g(90 ~ 100g)
Delay time	Within 1.5sec
Burning time	20 ~ 30 sec
Range (by 38mm Anti-Riot Gun)	70 ~ 90m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	5,Aluminum case
Shelf life	4 years

SHELL & GRENADE



Model	DK – 38S CS PLASTIC CARTRIDGE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	125 ± 2mm
Weight	103 ± 5g
TECHNICAL DATA	
Total chemical weight	30 ± 3g
Delay time	2 ~3 sec
Range (by 38mm Anti-Riot Gun)	60 ~ 80m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Plastic(Nylon)
Projectile material	Plastic(Nylon)
Shelf life	4 years

SHELL & GRENADE



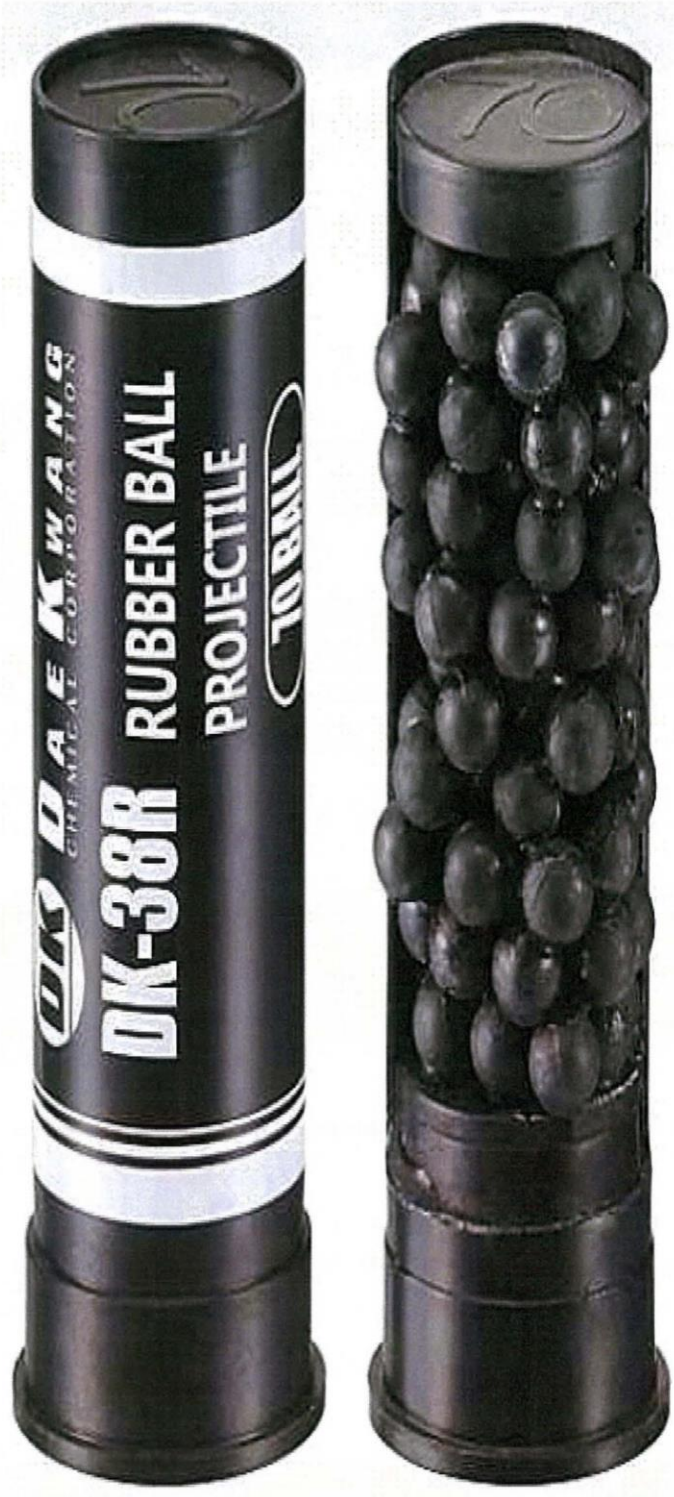
Model	DK – 38C COLOR SMOKE CARTRIDGE ALUMINUM		
DIMENSION			
Diameter	Ø38 ± 1mm		
Size(Length)	120mm ± 2mm		
Weight	Red 170g ± 10g	Yellow 175g ± 10g	Green 170g ± 10 g
TECHNICAL DATA			
Total chemical weight	Red 56g ± 10g	Yellow 65g ± 10g	Green 57g ± 10g
Delay time	2 ~3 sec		
Burning time	20 ± 5 sec		
Range (by 38mm Anti-Riot Gun)	About 100m (Range can be adjusted)		
Cartridge material	Plastic(Nylon)		
Projectile material	Aluminum		
Shelf life	4 years		

SHELL & GRENADE



Model	DK – 38C COLOR SMOKE CARTRIDGE PLASTIC		
DIMENSION			
Diameter	Ø38 ± 1mm		
Size(Length)	125mm ± 2mm		
Weight	Red 138g ± 10g	Yellow 144g ± 10g	Green 141g ± 10 g
TECHNICAL DATA			
Total chemical weight	Red 56g ± 10g	Yellow 65g ± 10g	Green 57g ± 10g
Delay time	2 ~3 sec		
Burning time	20 ± 5 sec		
Range (by 38mm Anti-Riot Gun)	About 100m (Range can be adjusted)		
Cartridge material	Plastic(Nylon)		
Projectile material	Aluminum		
Shelf life	4 years		

SHELL & GRENADE



Model	DK – 38R 70 RUBBER BALL CARTRIDGE PLASTIC

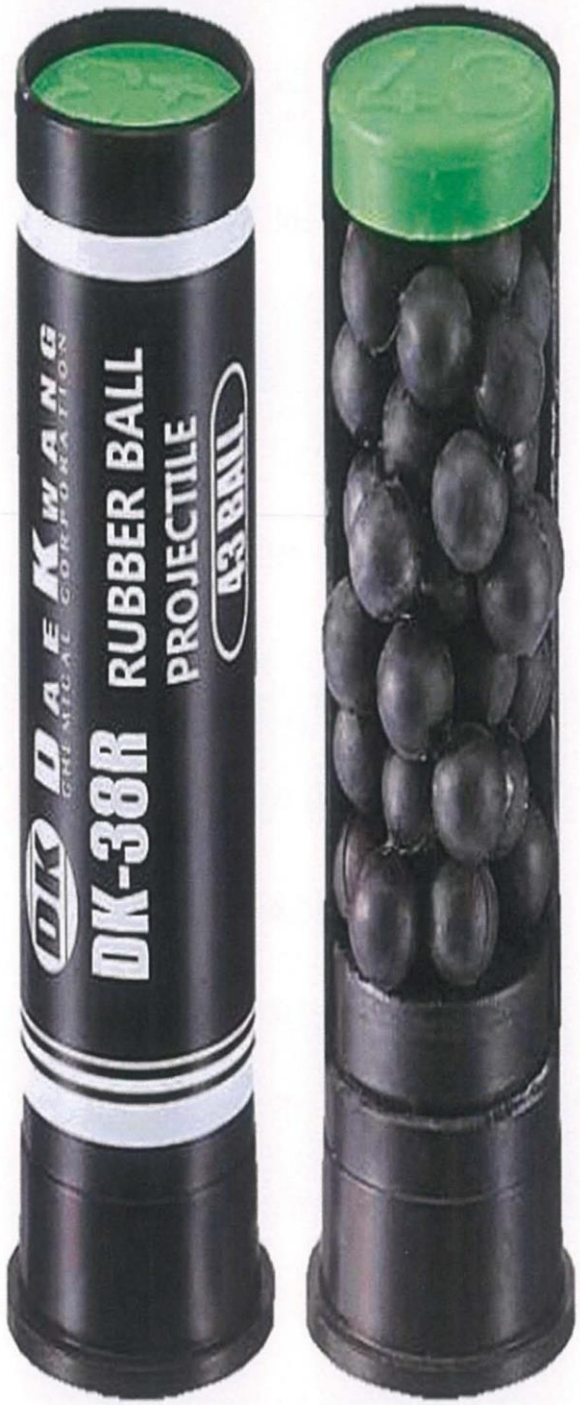
DIMENSION

Diameter	Ø38 ± 1mm
Size(Length)	125mm ± 2mm
Weight	90g ± 5g

TECHNICAL DATA

Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø10mm X 70PCS

SHELL & GRENADE



Model	DK – 38R 43 RUBBER BALL CARTRIDGE PLASTIC

DIMENSION

Diameter	Ø38 ± 1mm
Size(Length)	110mm ± 2mm
Weight	89g ± 5g

TECHNICAL DATA

Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø12mm X 43PCS

SHELL & GRENADE



Model	DK – 38R 3BATONS CARTRIDGE PLASTIC

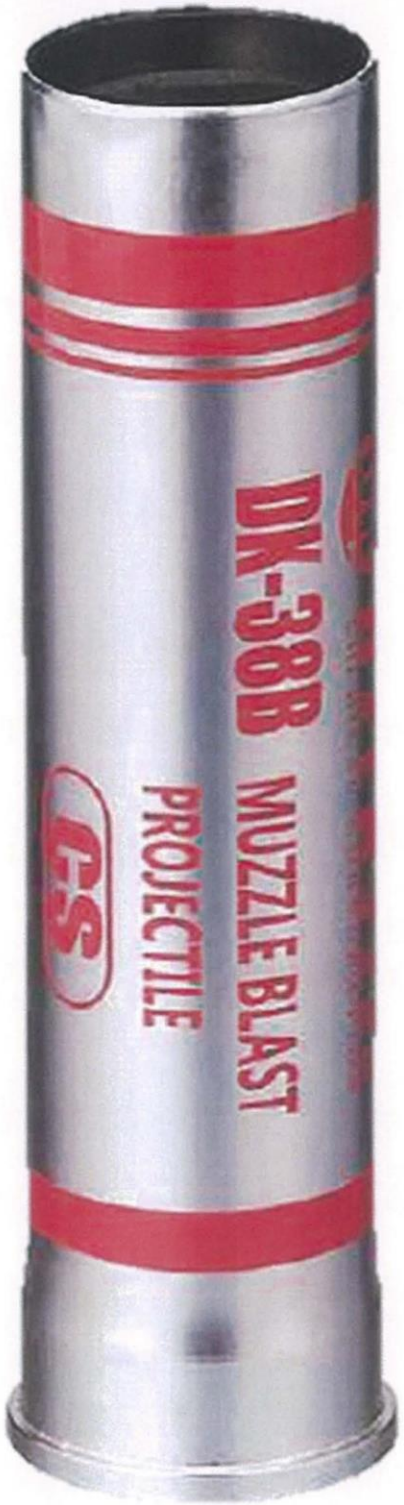
DIMENSION

Diameter	Ø38 ± 1mm
Size(Length)	125mm ± 2mm
Weight	113g ± 5g

TECHNICAL DATA

Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø34mm X h28.3 / 3PCS

SHELL & GRENADE



Model	DK – 38B CS MUZZLE BLAST CARTRIDGE
DIMENSION	
Diameter	Ø38 ± 1mm
Size(Length)	150 ± 2mm
Weight	145 ± 20g
TECHNICAL DATA	
Total chemical weight	About 50 ± 10g
Discharge time	Instantaneous
Range (by 38mm Anti-Riot Gun)	3 ~8m
Cartridge material	Aluminum
Active Agent	CS Powder
Waterproof	Laeguer coated primer & Paint sealed top
Shelf life	4 years

SHELL & GRENADE



Model	DK – 40S CS ALUMINUM CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	127 ± 2mm
Weight	188 ±10g
TECHNICAL DATA	
Total chemical weight	95 ± 5g
Delay time	Within 2.5sec
Burning time	25 ± 5 sec
Range (by 40mm Anti-Riot Gun)	About 100m (Range can be adjusted)
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	Aluminum
Shelf life	4 years

SHELL & GRENADE



Model	DK – 40S CS PLASTIC CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	127 ± 2mm
Weight	175 ± 10g
TECHNICAL DATA	
Total chemical weight	95 ± 5g
Delay time	Within 2.5sec
Burning time	25 ± 5 sec
Range (by 40mm Anti-Riot Gun)	About 100m (Range can be adjusted)
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Plastic(Nylon)
Projectile material	Aluminum
Shelf life	4 years

SHELL & GRENADE



Model	DK – 40S CS MULTI SMOKE 3 PROJECTILE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	127 ± 2mm
Weight	200 ± 10g
TECHNICAL DATA	
Total chemical weight	Over80g(81~90g)
Delay time	Within 1.5sec
Burning time	20 ~ 30 sec
Range (by 38mm Anti-Riot Gun)	70 ~ 90m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	Aluminum
Projectiles	3,Aluminum case
Shelf life	4 years

SHELL & GRENADE



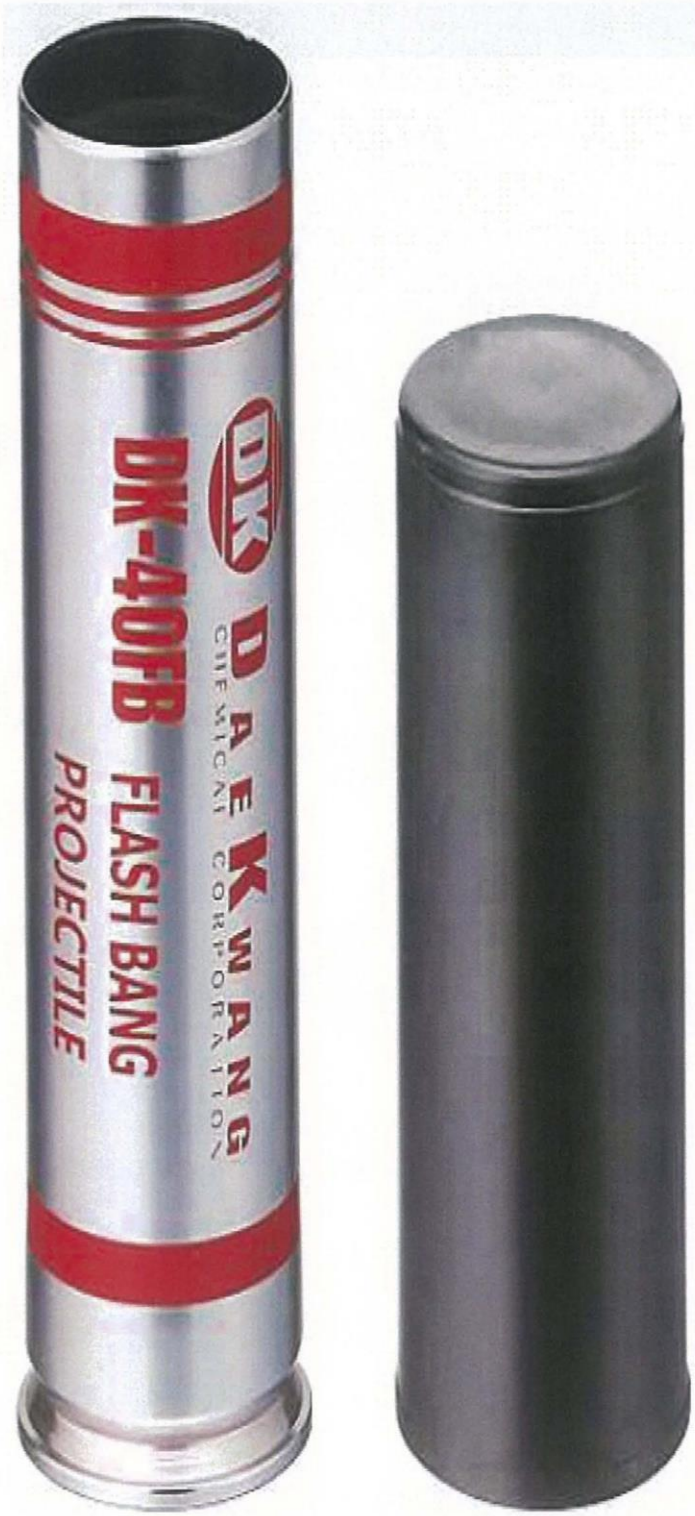
Model	DK – 40S CS MULTI SMOKE 5 PROJECTILE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	150 ± 2mm
Weight	240 ± 10g
TECHNICAL DATA	
Total chemical weight	Over80g(90 ~ 100g)
Delay time	Within 1.5sec
Burning time	20 ~ 30 sec
Range (by 40mm Anti-Riot Gun)	70 ~ 90m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Aluminum
Projectile material	Aluminum
Projectiles	5,Aluminum case
Shelf life	4 years

SHELL & GRENADE



Model	DK – 40U CS CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	102 ± 2mm
Weight	133 ± 5g
TECHNICAL DATA	
Total chemical weight	65 ± 3g
Delay time	2 ~3 sec
Burning time	20 ± 5sec
Range (by 40mm Anti-Riot Gun)	60 ~ 80m
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Cartridge material	Plastic(Nylon)
Projectile material	Aluminum
Shelf life	4 years

SHELL & GRENADE



Model	DK – 40FB FLASH BANG CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	119 ± 2mm
Weight	126 ± 10g
TECHNICAL DATA	
Total chemical weight	4 ~ 20 (can be adjusted by range Of flash and sound)
Delay time	1.5 ~ 2.5sec
Range (by 40mm Anti-Riot Gun)	About 70m
Sound	About 165 ± 10db
Candle power	About 5~6millions candles
Cartridge material	Aluminum
Projectile material	Plastic
Shelf life	4 years

SHELL & GRENADE



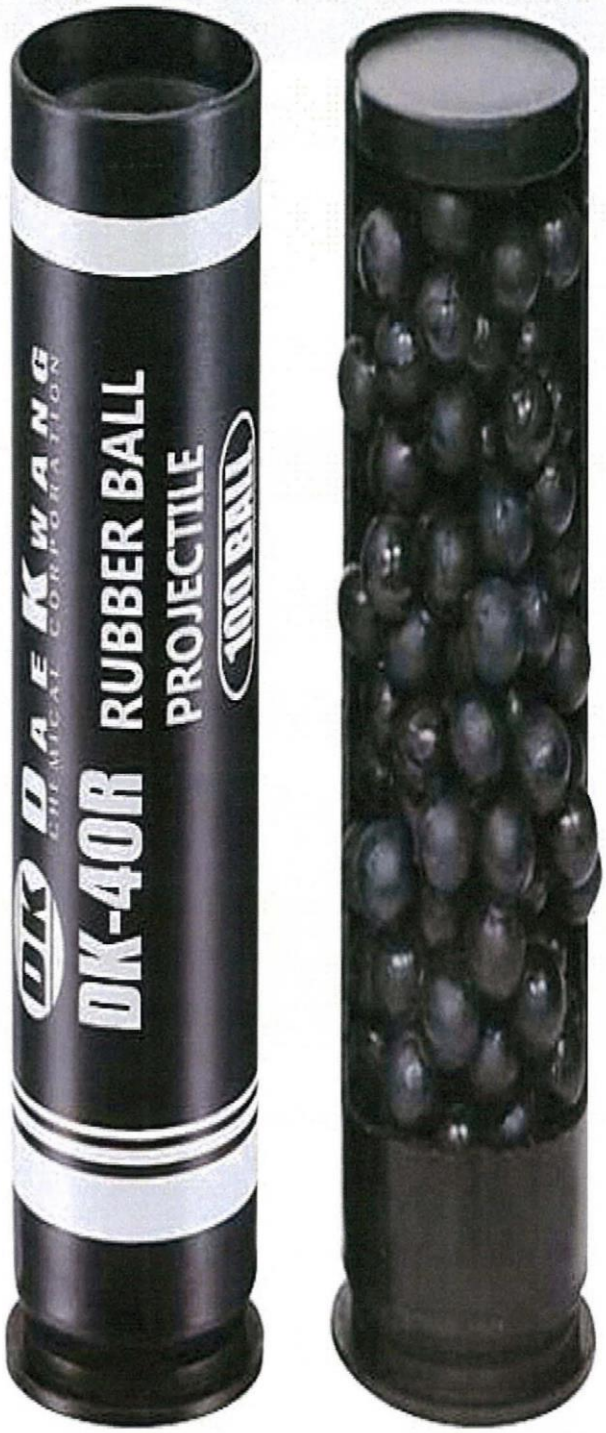
Model	DK – 40C COLOR SMOKE CARTRIDGE ALUMINUM		
DIMENSION			
Diameter	Ø40 ± 1mm		
Size(Length)	120mm ± 2mm		
Weight	Red 162g ± 10g	Yellow 168g ± 10g	Green 165g ± 10 g
TECHNICAL DATA			
Total chemical weight	Red 64g ± 10g	Yellow 74g ± 10g	Green 65g ± 10g
Delay time	2 ~3 sec		
Burning time	20 ± 5 sec		
Range (by 38mm Anti-Riot Gun)	About 100m (Range can be adjusted)		
Cartridge material	Aluminum		
Projectile material	Aluminum		
Shelf life	4 years		

SHELL & GRENADE



Model	DK – 40F FOAM CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	102 ± 2mm
Weight	60 ± 5g
TECHNICAL DATA	
Type	Projectile, spin stabilized Foam ogive
Projectile	1
Projectile material	Foam Rubber nose with ABS Base
Projectile weight	Within 40g
Velocity	90 ~ 110m/sec
Cartridge material	Reinforced Plastic
Range (by 40mm Anti-Riot Gun)	Max. 50m
Effective Range	Within 30m
Shelf life	4year

SHELL & GRENADE



Model	DK – 40R 100 RUBBER BALL CARTRIDGE PLASTIC

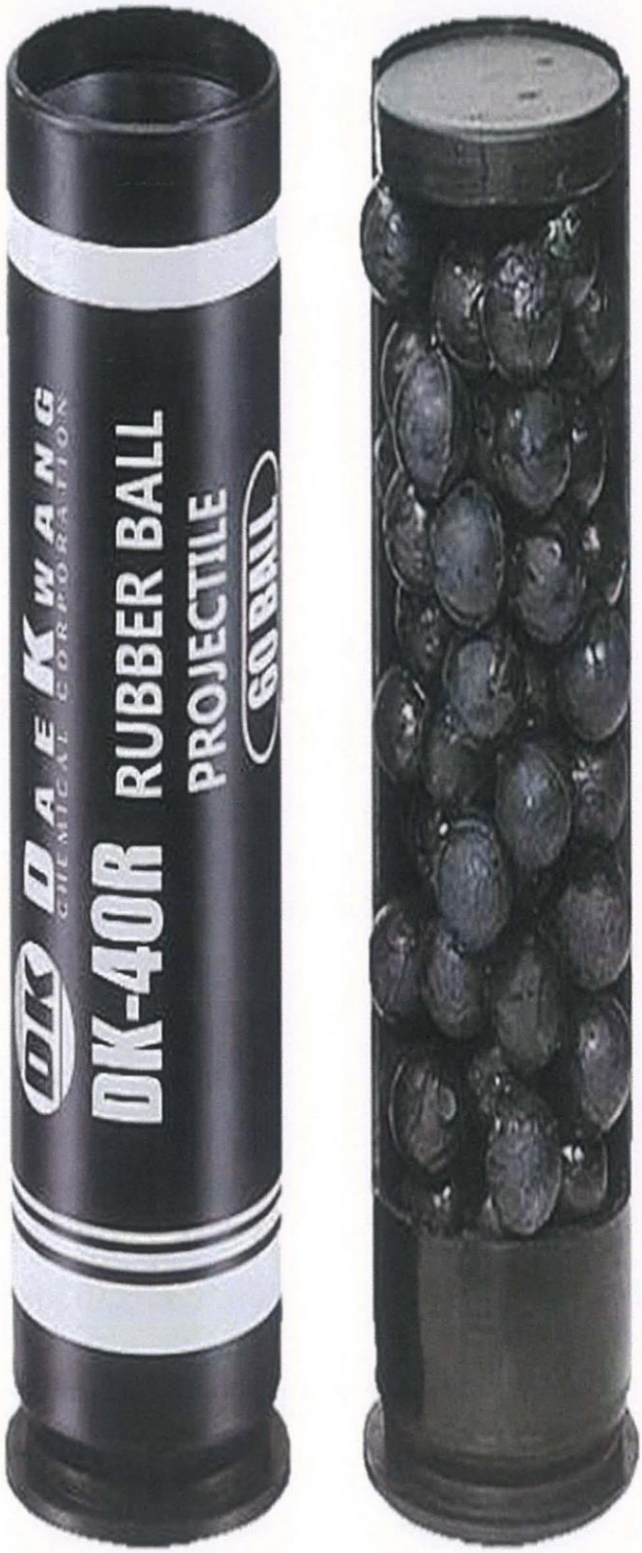
DIMENSION

Diameter	Ø40 ± 1mm
Size(Length)	127mm ± 2mm
Weight	110g ± 3g

TECHNICAL DATA

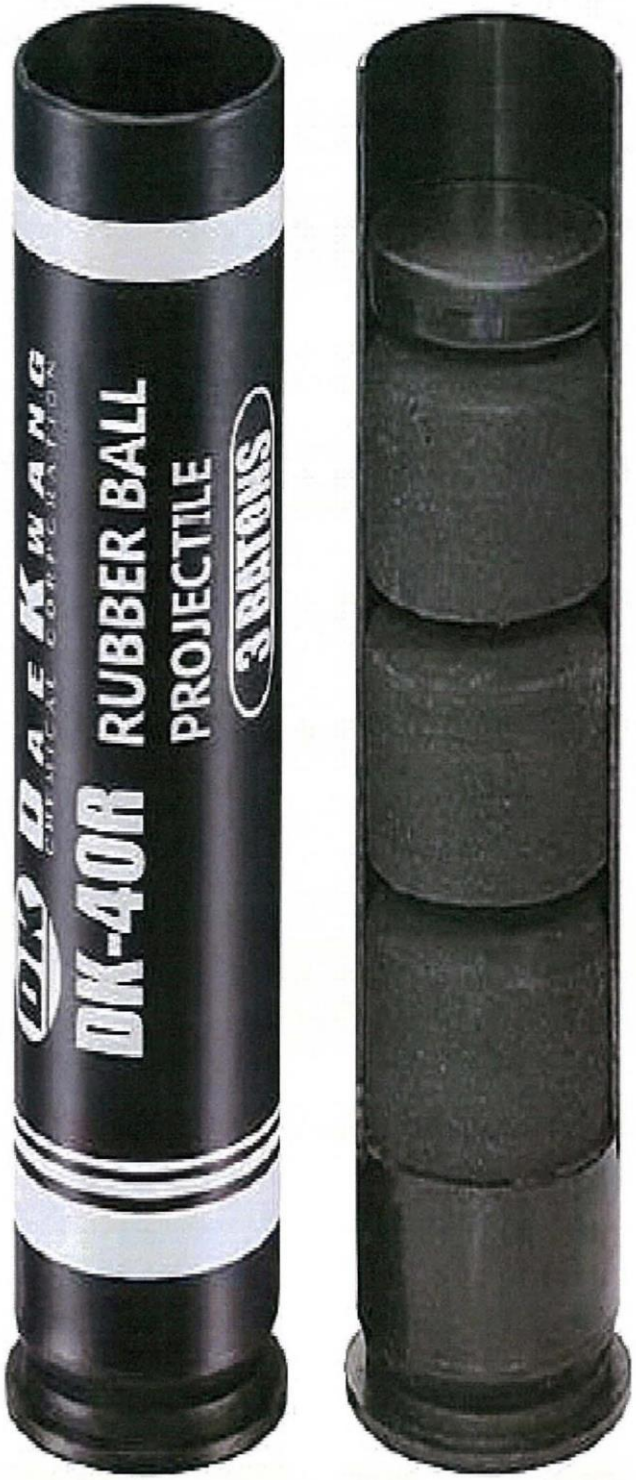
Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø10mm X 100PCS

SHELL & GRENADE



Model	DK – 38R 60 RUBBER BALL CARTRIDGE PLASTIC
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	127mm ± 2mm
Weight	110g ± 3g
TECHNICAL DATA	
Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø12mm X 60PCS

SHELL & GRENADE



Model	DK – 40R 3BATONS CARTRIDGE PLASTIC

DIMENSION

Diameter	Ø40 ± 1mm
Size(Length)	127mm ± 2mm
Weight	120g ± 3g

TECHNICAL DATA

Catridge material	Nylon(Plastic)
Effective range	20m / max. 50m
Rubber ball size	Ø37mm X h28.3 / 3PCS

SHELL & GRENADE



Model	DK – 40B CS MUZZLE BLAST CARTRIDGE
DIMENSION	
Diameter	Ø40 ± 1mm
Size(Length)	150 ± 2mm
Weight	145 ± 20g
TECHNICAL DATA	
Total chemical weight	About 50 ± 10g
Discharge time	Instantaneous
Range (by 38mm Anti-Riot Gun)	3 ~8m
Cartridge material	Aluminum
Active Agent	CS Powder
Waterproof	Laeguer coated primer & Paint sealed top
Shelf life	4 years

SHELL & GRENADE

DH-38R 3 BATONS CARTRIDGE



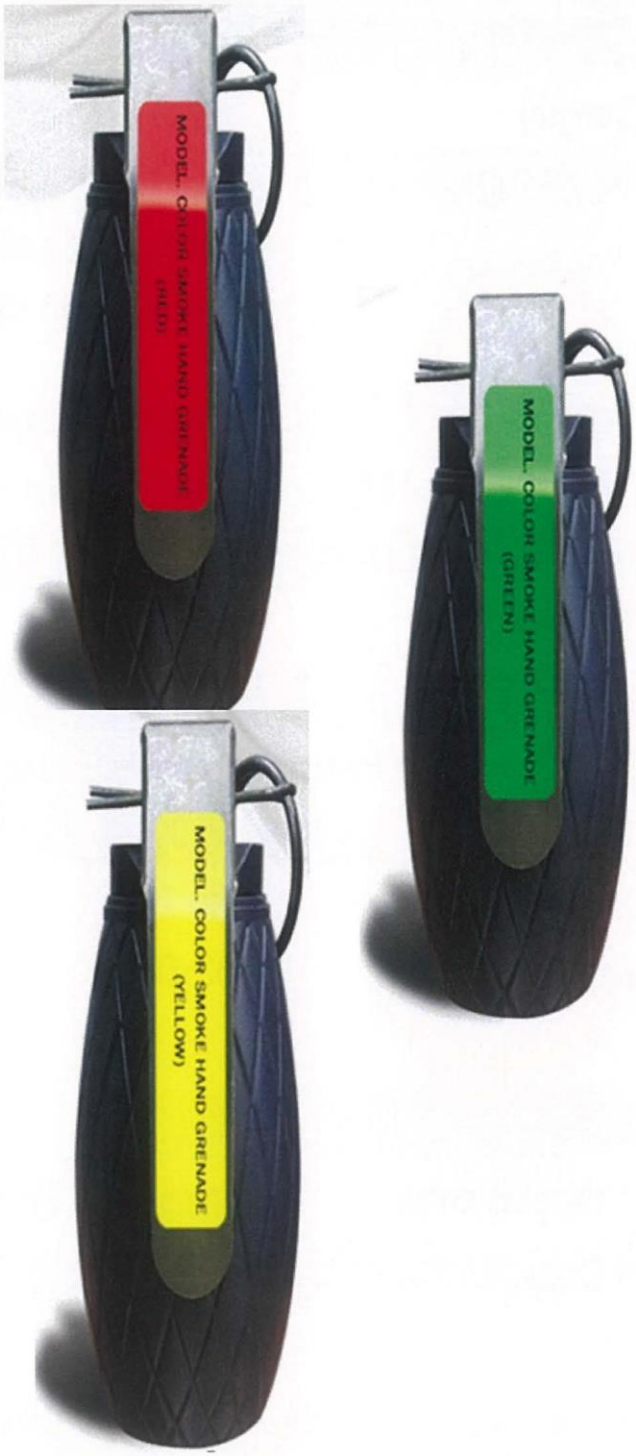
Diameter	53mm ±2mm
Size(Length)	103mm ±2mm
Weight	128g ±5g

Body type	Hand Grenade
Total chemical weight	30g ±3g
(CS amount & concentration is able to be adjusted)	
Fuze delay time	About 1 Sec
Burning time	10 ±5 sec
Twisting	Within an area of 3~4meters on the hard soil ground & asphalt
Fuze type	M201 A1
Launchable (Yes/No)	No
Throwing distance	30~50m

UN Number	1700
Proper shipping name	Tear gas Candles
Hazard Class	6.1 or 4.1
Packing	40units / 1ctn Box
	Inner packing/sealing & each vinyl package

SHELL & GRENADE

DH-500C COLOR SMOKE



Diameter	53mm ±2mm	
Size(Length)	103mm ±2mm	
Weight	Red	118g ±5g
	Green	122g ±5g
	Tellow	133g ±5g
Body type	Hand Grenade	
Totla chemical	Red 20g / Green 27g / Yellow 33g ±3g	
Fuze delay time	About 1sec	
Burning time	10 ±5sec	
Twisting	Within an area of 5meters on the hard soil ground & asphalt	
Fuze type	M201 A1	
Launchable (Yes/No)	No	
Throwing distance	30~50m	
UN Number	UN 1700	
Proper shipping name	Tear gas candles	
Hazard Class	6.1 or 4.1	
Packing	40units / 1ctn box	
	Inner packing / sealing & each vinyl package	

SHELL & GRENADE

DH-N500C COLOR SMOKE



Diameter	64mm ±2mm
Size(Length)	130mm ±5mm
Weight	Red 216g ±5g
	Green 225g ±5g
	Tellow 251g ±5g
Body type	Hand Grenade
Totla chemical	Red 82g / Green 85g / Yellow 95g ±5g
(CS amount & concentration is able to be adjusted)	
Fuze delay time	2~3sec
Burning time	20 ±5sec
Twisting	Within an area of 5meters on the hard soil ground & asphalt
Fuze type	M201 A1
Launchable (Yes/No)	No
Throwing distance	30~50m

UN Number	UN 0303
Proper shipping name	Ammunition, Smoke
Hazard Class	1.4G
Packing	40units / 1box
Packin Size	365 x 290 x 320mm

SHELL & GRENADE

DH-3M SOUND ONE BANG





Diameter	54mm ±1mm
Size(Length)	110mm ±2mm
Weight	100g ±5g

Model	DH-ONE SOUND
Body material	ABS (Plastic)
product type	Bang-Producing by grenade's bursting
Delay time	2~3sec
Fuze type	M201 A1
Throwing distance	30~50m
Sound	About 120dB

UN Number	UN 0431
Proper shipping name	Articles, Pyrotechnic for technical purposes
Hazard Class	1.4G
Packing	40units / 1box

SHELL & GRENADE

DH-3M SOUND Three BANG





Diameter	54mm ±1mm
Size(Length)	110mm ±2mm
Weight	100g ±5g

Model	DH-ONE SOUND
Body material	ABS (Plastic)
product type	Bang-Producing by grenade's bursting
Delay time	2~3sec
Fuze type	M201 A1
Throwing distance	30~50m
Sound	About 120dB

UN Number	UN 0431
Proper shipping name	Articles, Pyrotechnic for technical purposes
Hazard Class	1.4G
Packing	40units / 1box

SHELL & GRENADE



Model	DK – N500 CS
DIMENSION	
Diameter	Ø64 ± 1mm
Size(Length)	133 ± 2mm or 138 ± 2mm
Weight	275 ± 10g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	103 ± 5g
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Fuze delay time	1.5 ~ 3.0sec
Burning time	20 ± 5sec
Body material	Reinforceed plastic
Twisting	Within an area of 1 ~ 10meters on the hard soil Ground asphalt
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



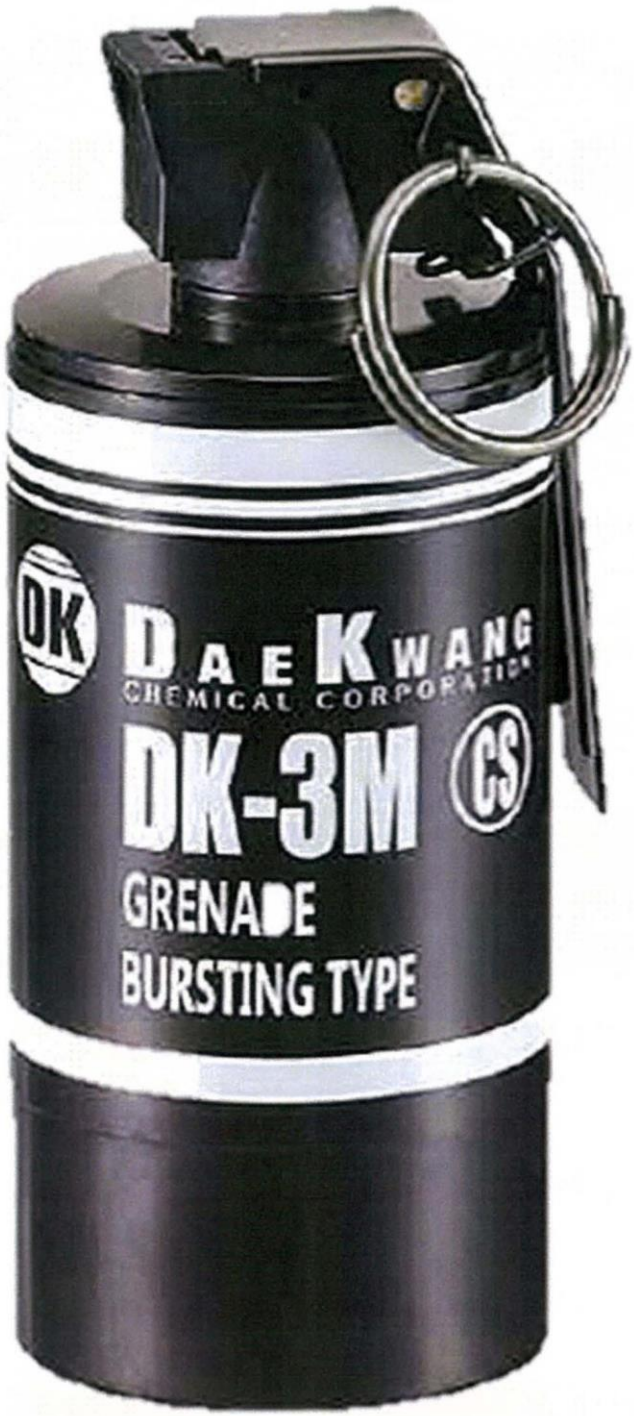
Model	DK – 500 CS
DIMENSION	
Diameter	Ø54 ± 1mm
Size(Length)	104 ± 2mm or 109 ± 2mm
Weight	128 ± 5g
TECHNICAL DATA	
Type	Hand Grenade
Total chemical weight	30 ± 5g
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Fuze delay time	Within 1.5sec
Burning time	10 ± 5sec
Twisting	Within an area of 1 ~ 10meters on the hard soil Ground asphalt & asphalt
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



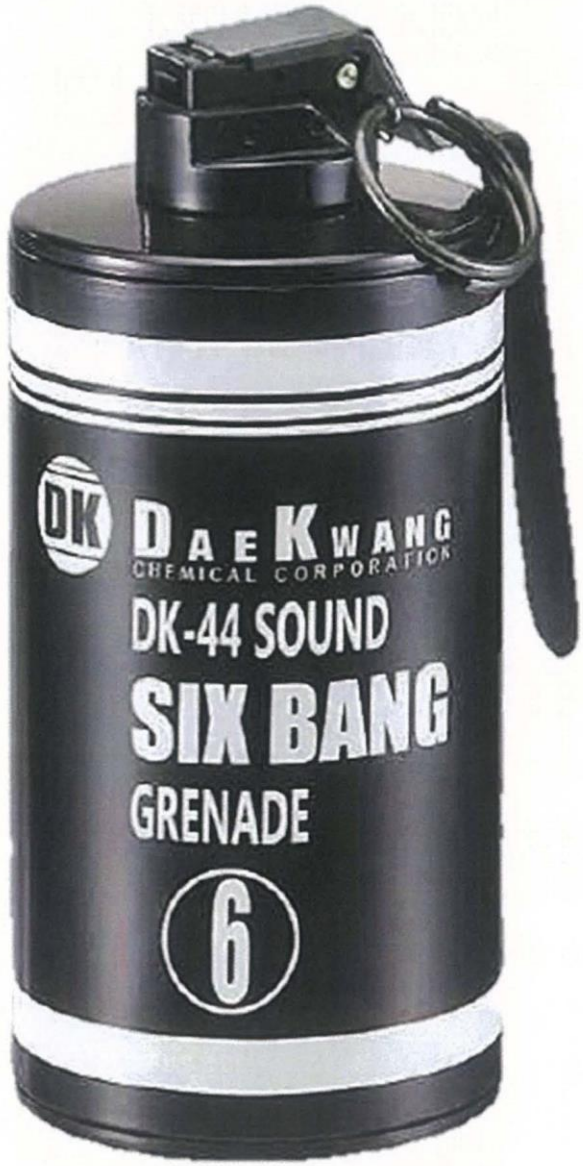
Model	DK – 44 3 SPLITS CS
DIMENSION	
Diameter	Ø78 ± 1mm
Size(Length)	144 ± 2mm or 149 ± 2mm
Weight	351 ± 20g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	108 ±10g(36±3g/ea X 3ea)
Charge	CS Mixture
CS amount & concentration is able to be adjustted	
Fuze delay time	1.5 ~ 3.0sec
Burning time	15 ± 3sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 3M CS
DIMENSION	
Diameter	Ø54 ± 1mm
Size(Length)	137 ± 2mm
Weight	165 ± 10g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	70 ± 5g
Charge	Blasting powder 2g, CS Mixture
CS amount & concentration is able to be adjustted	
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 44M 6 BANG
DIMENSION	
Diameter	Ø73 ± 1mm
Size(Length)	151 ± 2mm or 156 ± 2mm
Weight	354 ± 20g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	About 15g(2.5g/ea x 6ea)
Bang interval	About 0.8sec
Blasting powder	Potassium perchlorate Based Mixture
Sound	About 125dB
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 3M 3 BANG
DIMENSION	
Diameter	Ø54 ± 1mm
Size(Length)	137 ± 2mm
Weight	177 ± 10g or 250 ± 10g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	About 7.5g(2.5g/ea x 6ea)
Bang interval	About 0.8sec
Blasting powder	Potassium perchlorate Based Mixture
Sound	About 125dB
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 3M 1 BANG
DIMENSION	
Diameter	Ø54 ± 1mm
Size(Length)	137 ± 2mm
Weight	100 ± 5g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	40 ± 0.5g
Blasting powder	Potassium perchlorate Based Mixture
Sound	About 125dB
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



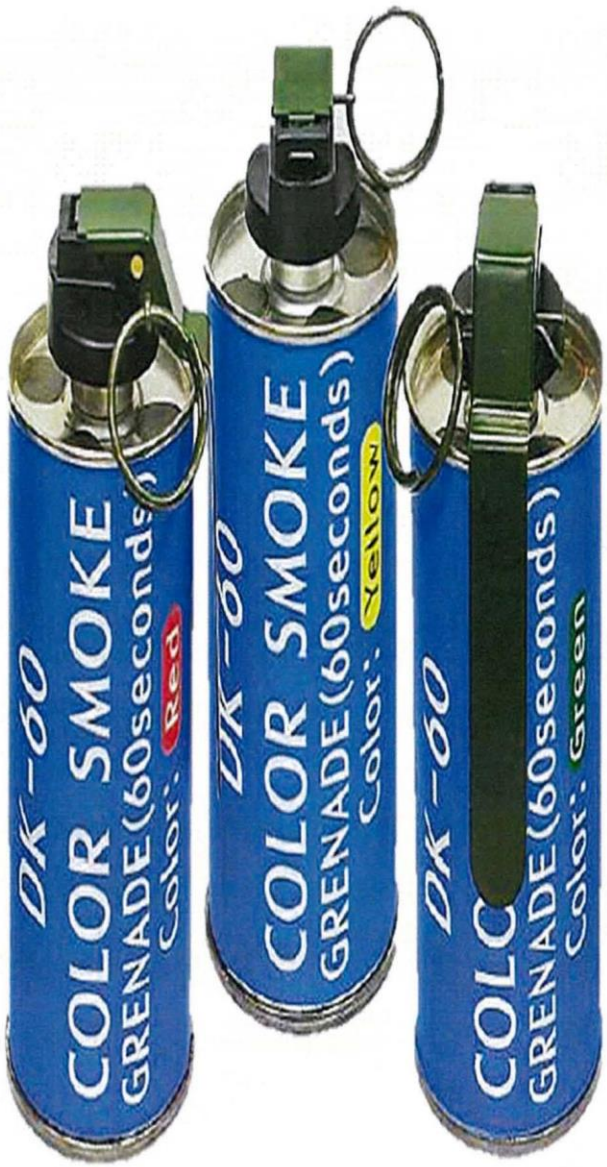
Model	DK – 65M 3BANG
DIMENSION	
Diameter	Ø66 ± 1mm
Size(Length)	122 ± 2mm or 127 ± 2mm
Weight	310 ± 20g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	About 6.0g(2.0g/ea x 3ea)
Blasting powder	Potassium perchlorate Based Mixture
Sound	About 125dB
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 65M 6BANG
DIMENSION	
Diameter	Ø66 ± 1mm
Size(Length)	131 ± 2mm or 136 ± 2mm
Weight	357 ± 20g
TECHNICAL DATA	
Type	Hnad Grenade
Total chemical weight	About 12g(2.0g/ea x 6ea)
Blasting powder	Potassium perchlorate Based Mixture
Sound	About 125dB
Fuze delay time	1.5 ~ 3.0sec
Body material	Reinforceed plastic
Fuze type	Lever off strike fuze
Throwing distance	30 ~50m
Shelf life	4year

SHELL & GRENADE



Model	DK – 60C COLOR SMOKE		
DIMENSION			
	Red	Green	Yellow
Diameter	59.6mm ± 1mm	59.6mm ± 1mm	59.6mm ± 1mm
Size(Length)	142mm ± 2mm	142mm ± 2mm	142mm ± 2mm
Weight	400g ± 15g	400g ± 15g	400g ± 20g
TECHNICAL DATA			
Body material	Steel		
Smoke Mix content	250 ± 20g		
Smoke Discharge time	45 ± 10sec		
Fuze delay time	2 ~3 sec		
Smoke color	Red / Green / Yellow		
Throwing distance	30 ~40m		
Shelf life	4years		

SHELL & GRENADE



Model	DK – N500C COLOR SMOKE		
DIMENSION			
Diameter	Ø64 ± 1mm		
Size(Length)	133mm ± 2mm or 138 ± 2mm		
Weight	Red 251g ± 10g	Yellow 265g ± 10g	Green 257g ± 10 g
TECHNICAL DATA			
Type	Hand Grenade		
Total chemical weight	Red 75g ± 10g	Yellow 89g ± 10g	Green 80g ± 10g
Delay time	1.5 ~3 sec		
Burning time	20 ± 5 sec		
Body material	Reinforced plastic		
Fuze type	Lever off strike fuze		
Throwing distance	30 ~ 50m		
Shelf life	4year		

SHELL & GRENADE



Model	DK – N500C COLOR SMOKE		
DIMENSION			
Diameter	Ø54 ± 1mm		
Size(Length)	104mm ± 2mm or 109 ± 2mm		
Weight	Red 121g ± 5g	Yellow 135g ± 5g	Green 124g ± 5g
TECHNICAL DATA			
Type	Hand Grenade		
Total chemical weight	Red 23g ± 5g	Yellow 35g ± 5g	Green 28g ± 5g
Delay time	Within1.5sec		
Burning time	15 ± 5 sec		
Body material	Reinforced plastic		
Fuze type	Lever off strike fuze		
Throwing distance	30 ~ 50m		
Shelf life	4year		

SHELL & GRENADE



Model	DK – 600 CS BURNING Multiple launsher set
DIMENSION	
Size(Length)	380 X 185 X 450mm
Weight	12.5kg ± 1.0kg
TECHNICAL DATA	
Type	Combustion
Ignition type	Battery 12V
Number of Shells	64 shells / set
Discharging time	Within 20 sec
Effective Firing Range	50 ~ 150m
Shelf life	4years

PROTECTOR

DH-25A / DH-25C ANTI-RIOT PROTECTOR





DH-25A

Plastic Armor Shell	E ST801 BK010 (Dupont Nylin 66)
Out-Shell Fabric	100% Aramis (Aromatic polyamide fire-resist yarm)
Sewing Thread(S)	100% Aramis (Aromatic polyamide fire-resist yarm)
Limimg Fabric	100% Aramis (Aromatic polyamide fire-resist yarm)
Inner Foam	Cross-Linked polyrthylene foam for impact absorption

DH-25C

Out-Shell Fabric	Polyester cotton (T/C)	
Filler	Rubber	
Product Configuration	Body	1unit
	Fore Arm Protector	2pairs
	Glove	1pair
	Leg Protector	2pairs
Weight	2.6kg / Set	

PROTECTOR

Anti-riot Proector Suit



Model	RPS-7000
Out Shell	Polyethylene, EVA with Nylon Oxford fabric
Composit	Body protector : 1/set Forearm guard : 1/set Leg guard : 1set Groin guard : 1/set
Accessories	Webbing & Velcro tape Elastic band
Net weight	5/kgs
Packing	Each of set in c poly fabric carry bag 2 set in a C/T box only
C/T Box	(67 x 45 x 60cm) 0.084CM
G. Weight	11.0kgs C/T box
Min	1000
Delivery	90days

Anti-riot Plastic Baton



Model	ARB-101
Material	Polyethern
Size	70cm
Weight	310mg
Color	Dark brown, Black color
Accessories	Leather hand roop
Packing	Each of Poly binly
Packing	70/pcs in a Carton box
Carton	550 x 300x 410 mm
Min	1000
Deilvery	30days

US PASGT Style Ballistic Helmet



Model	Zeta - VI
Defeat Threat Level ⅢA	1) To defeat 9mm FMJ, 124 grain, Bullet velocity 1400 +/- 50FPS (Feet per Second) 2) To defeat .44 magnum SWC-GC, 240 grain, Bullet velocity 1400 +/- 50FPS (Feet per Second)
Fabric	Kevlar or Twaron with aramid composition
Weight	1,450grams
Color	Kaki, Olive green, Black

ARH-301 Ant-Riot Helmet



Helmet shell	High impact resistance Polycarbonate shine outer shell
Face protector	3mm thick polycarbonate visor
Interior	Nylon webbing sweat band Cushion pads attached on the top
Chin/Nape protector	16cm wide detachable neck protector
Color	O.D or BLACK color
N. Weight	1,250+/-50gr(face protector – polycarbonate)
Packing	1pc/ply One helmet per one inner box
Carton box	890 x 630 x 630mm 12pcs in a carton box
N/G Weight	16.5/17.5kgs
Min	1000
Delivery	90days

Helmet

DH-24 ANTI-RIOT HELMET



Helmet	Tenntex thermo composite
visor Material	Polycarbonate with adjustable screw-in thumb knobs
Interior	Strong suspension & harness system and shock absorbing eva foam
Condition	Meets or exceeds nij 0104.02 for riot condition
	Meets or exceeds nij 0105.01 for crash condition
	Meets or exceeds dot fmvss-218 specs for impect retention

GAS MASK

DH-28



Characteristics	
Eyeglasses attach	Can
Voice-transmitting system	Attached
Drinking system ass'y	Attached
Breath (running)	Smooth
Components	
Lens	Flat type
Canister mounting adapter	W/germany type
Efficiency	
Resistance of inhalation	18.85 MMH O
Resistance of exhalation	15 MMH O
Gas life of canister	32 minutes
Weight (Including carrier)	1,290 ±20g

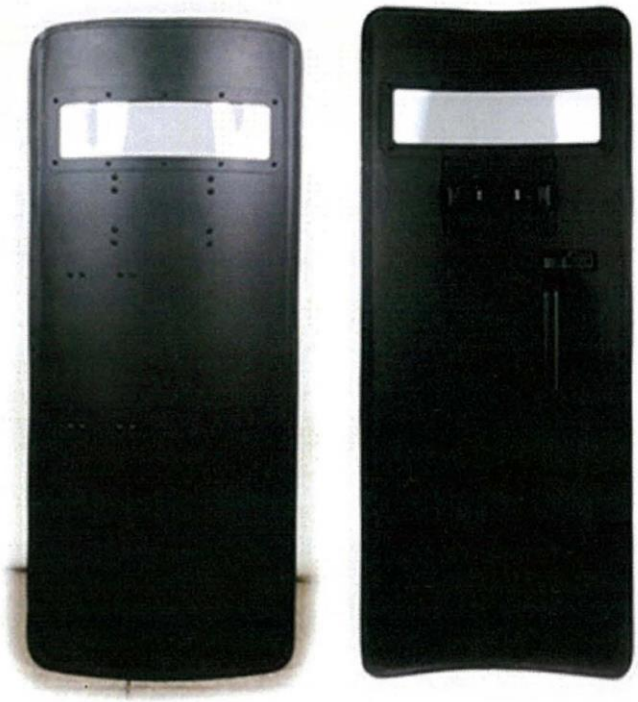
GAS MASK

DH-28



Characteristics	
Eyeglasses attach	Can
Voice-transmitting system	Attached
Drinking system ass'y	Attached
Breath (running)	Smooth
Components	
Lens	Flat type
Canister mounting adapter	W/germany type
Efficiency	
Resistance of inhalation	18.85 MMH O
Resistance of exhalation	15 MMH O
Gas life of canister	32 minutes
Weight (Including carrier)	1,290 ±20g

Ballistic tactical shield



Size	• 1,200(L)*530(W)*20(T) / mm • 850(L)*530(W)*20(T)/mm (Short style)
Material	Kevlar Polycarbonate
Weight	14 kg

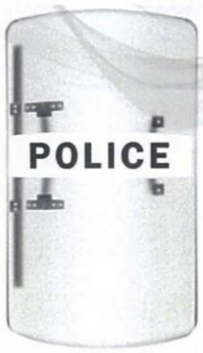
Standard type Anti-Riot shield



Model	ARS – 301	ARS – 303
Size	L : 1,000mm, W : 570mm, T :4.0m	L : 1,200mm, W : 570mm, T :4.0m
Style	Half body covered Shields	3/4 body covered Riot Shields
Weight	4.2kg	5kg

SHILD

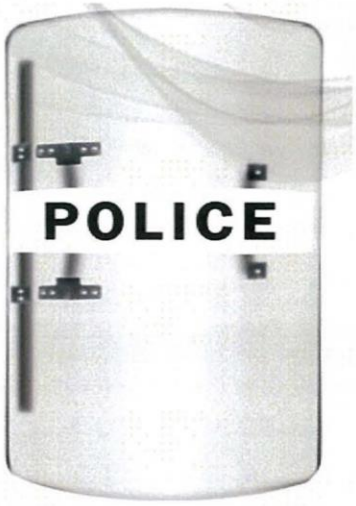
DH-3000 ANTI-RIOT SHIELD



Shield Material	Polycarbonate
Handle Material	ABS plastic / Fold-dawn system
Forearm Holder Size	Adjustable velcro system & shock absorbing eva form
(T x W x L)	4.5 x 600 x 1,000 or 1,200mm
Condition	Protection of body safe and completely from the impact of
	stones or stick and form the threat of acid or incendiary liquid

SHIELD

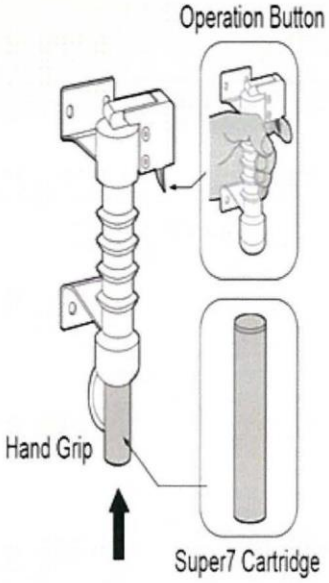
DH-3000 ANTI-RIOT SHIELD



Shield Material	Polycarbonate
Handle Material	ABS plastic / Fold-dawn system
Forearm Holder Size	Adjustable velcro system & shock absorbing eva form
(T x W x L)	4.5 x 600 x 1,000 or 1,200mm
Condition	Protection of body safe and completely from the impact of stones or stick and form the threat of acid or incendiary liquid

DH-3000G GAS SHIELD





Type	CS Cartridge straw system
Effective Range	Radius 10m
Helmet Material	Polycarbonate
Handle Material	ABS plastic / Fold-dawn system
Forearm Holder Size	Adjustable velcro system & shock absorbing eva form
(T x W x L)	4.5 x 600 x 1,000 or 1,200mm
Condition	Protection of body safe and completely from the impact of stones or stick and form the threat of acid or incendiary liquid

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SHIELD

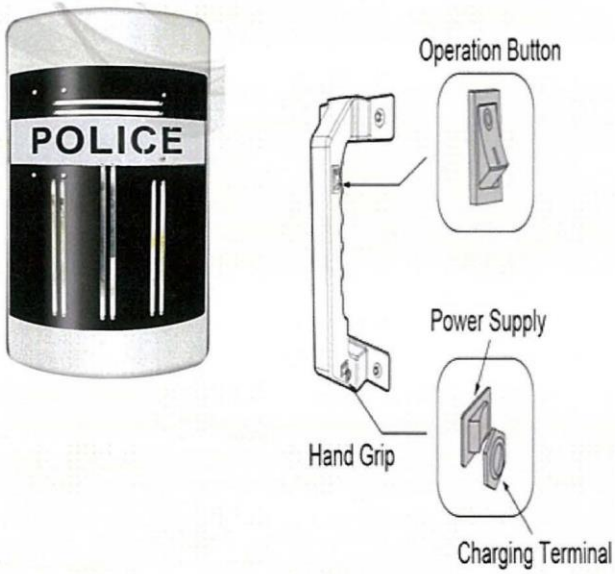




Model	BALLISTIC SHIELD
Protection	Level IIIA , Level III , Level IV
BodyMaterial	Level IIIA(Aramid or PE) Level III(Aramid or PE) Level IV(Ceramic + Aramid or PE)
Stvle	Interlocking Sytem , single – curved shield with rounded corners
Size	Level IIIA : 900(L) X 550(W) X 15(H)mm Level III : 900(L) X 550(W) X 20(H)mm Level : 900(L) X 500(W) X 20(H)mm
Weight	Level IIIA(7kg) Level III(25kg) Level IV(28kg) Trolley(5kg)

SHIELD

DH-3000E ELECTRIC SHIELD



Type	Electric Shield
Power	100,000V
Voltage / Hz	DC 7.8V (1,700 MA) / 40 Hz
Charge	AC 100V ~ 250V (Consumption 6.8W)
Helmet Material	Polycarbonate
Handle Material	ABS Plastic / Fold-dawn system
Forearm Holder Size	Adjustable velcro system & shock absorbing eva form
(T x W x L)	4.5 x 600 x 1,000 or 1,200mm
Condition	Protection of body safe and completely from the impact of stones or stick and form the threat of acid or incendiary liquid

CHEMICAL ATOMIZER

DH-5000A & DH-5000B

CANISTER POWER GAS ATOMIZER



	DH-5000A	DH-5000B
Full Length	640 mm	480 mm
Total Weight	6.4 kg	2.0 kg
CS Gas	1 kg	330 g
Gas	N_2 & Powder CS	N_2 & Powder CS
Shoot Distance	8~15 m	8~12 m
Material	High intensive, special aluminum	

CHEMICAL ATOMIZER

DH-57GRS RECHARGING MACHINE FOR DH-5000A, DH-5000B & DH-7000



Front view

Size	(H) 1,850 mm x (L) 1,840 mm x (W) 600 mm
Main inner composition	Agent recharging part & Gas recharging part
System	Manually operated
Hopper capacity	1. Powder agent hopper : 76L 2. Liquid agent hopper : 76L
Gas pressure	150 kgf/cm^2 (15MPA)
Voltage	AC 220 V, 60 Hz
Electric power	330 W (on operating Heater)
Weight	280kg

Feature

DH-57GRS is a recharging equipment for DH-5000A(B) and DH-7000CS. It can recharge two types of tear gas. (powder / liquid)



Inner view

BATON



Model	EXTENDABLE POLYCARBONATE BATON
Material	Body: Polycarbonate Handle-Grip: Rubber foam Emergency Pick: Stainless Steel Tip: Rubber composite
Weight	230g
Size	550mm(extended)~220mm(closed
Design	3stage extendable baton with Holster
Color	Black

BATON



Model	EXTENDABLE STEEL BATON
material	Body: Electrodeposit treated steel Handle-Grip: PVC foam
Weight	390g (+-10g, Small) (CT Weight: 21.5kg) 460g (+-10g, Large)(CT Weight: 24.5kg)
Size	Small: 550mm(extended)~220mm(closed) Large: 670mm(extended)~250mm(closed)
Design	3stage extendable steel baton
Color	Black

BATON







Model	EXTENDABLE ALUMINUM BATON
Material	Body: Aluminum Handle-Grip: ABS Holster: Polyester with Velcro
Weight	460g
Size	535mm(extended)~320mm(closed)
Design	3stage extendable baton with Holster
Color	Black

BATON



A. Large Material	Steel / Aluminum	
Size Length(in use)	645mm	655 mm
(not in use)	245mm	280 mm
Weight	540 g	320 g
B. Small Material	Steel / Aluminum	
Size Length(in use)	536 mm	529 g
(not in use)	207 mm	240 mm
Weight	450 g	285 g

Purpose

To secure and maintain public safety and anti-riot

Feature

DH-22 is made of aluminum alloys. So it's very light but strong.

Caution

It is designed for a long range and it is extremely dangerous when it is used at person directly, therefore, you must keep a limited distance from people as described in the manual.

SDJG10 & SDJG11 (SOLD BATON TYPE)



Product name	SDJG-10	SDJG-11
Length with cover	300mm	504mm
Length without cover	296mm	501mm
Weight	400g	520g
Power	Rechargeable 7.4V	1,200mA
Output voltage	12,000 V	
Recharger	AC 220V / DC 7.4V	
Current	900mA	

Feature

1. Connect the recharger to AC 220V power source and DC connector of the device.
2. When the recharging is complete, the lamp of recharger changes to green light.

Caution

1. Fully recharge every two months to prevent the battery dies.
2. Don't store it in a humid environment
3. Don't use it in contact with the metal objects and more than 5seconds at a time.

BATON



Model	EXTENDABLE POLYCARBONATE BATON
Material	Body: Polycarbonate Handle-Grip: Rubber foam Emergency Pick: Stainless Steel Tip: Rubber composite
Weight	230g
Size	550mm(extended)~220mm(closed
Design	3stage extendable baton with Holster
Color	Black

BATON



Model	EXTENDABLE STEEL BATON
material	Body: Electrodeposit treated steel Handle-Grip: PVC foam
Weight	390g (+-10g, Small) (CT Weight: 21.5kg) 460g (+-10g, Large)(CT Weight: 24.5kg)
Size	Small: 550mm(extended)~220mm(closed) Large: 670mm(extended)~250mm(closed)
Design	3stage extendable steel baton
Color	Black

GAS GUN

KNOCK DOWN 5



Material	Metals
Type	Spray type
Length	162 mm
Height	110 mm
Weight (on unloading)	325g
Cartridge Weight	12g
Quantity sprayed	5 Rounds
Range : Gas shell	<2 m / <3m

Feature

Knock Down5 is a revolver gas gun. It looks as if a real 38 caliber revolver . It has 5 bullets.(gas/blank)
And it makes a huge sound of explosion when you fire.
After loading bullets, the safety-device automatically operates for safety.

KNOCK DOWN 5S



Material	Metals
Type	Spray type
Length	162 mm
Height	110 mm
Weight (on unloading)	325g
Cartridge Weight	12g
Loading capacity	5 Rounds
Range : Gas shell (CS Gas power) Rubber shell	<2 m / <3m

Feature

DH-5S is a revolver gas gun. It looks as if a real 38 caliber revolver. It has 5 bullets. (gas / blank / rubber ball). And it makes a huge sound of explosion when you fire. After loading bullets, the safety-device automatically operates for safety. Many korean government organizations and police have been using it until now.

GAS GUN

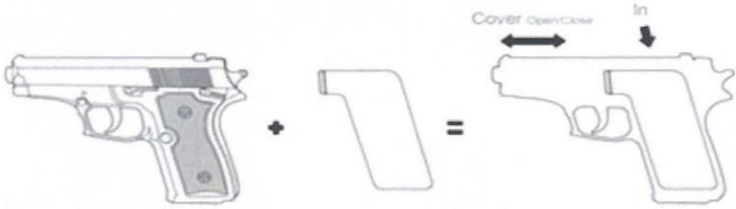
K-9 SUPER GAS GUN



Material	Aluminum
Type	Liquid / CS Gas 15%
Length	156 mm
Height	116 mm
Weight (on unloading)	320g
Cartridge Weight	140g
Loading capacity	<15 Rounds
Range : Gas shell	<2 m / <5m
Laser Battery	3LR41

Feature

K-9 is a gas spray gun. It has a great design as the latest model. It has a laser pointer of red light, and it helps to aim and fire. Also, K-9 has a big sized cartridge and strong pressure, it can be fired farther for a long time.



KNOCK DOWN DH-450



Material	Metals
Type	Vaporizing type
Length	153 mm
Height	116 mm
Weight (on unloading)	320g
Cartridge Weight	126g
Quantity sprayed	12 Rounds of rapid gas gun fire
Range : Gas shell	<2 m / <5m

Feature

DH-450 is a 45 caliber-typed gas gun. It has real good design and decorations of details. Although it's small-sized, it has a lot of tear gas and powerful gas gushing.



GAS GUN

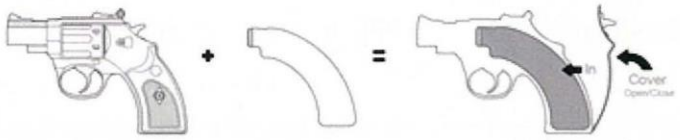
SUPER 38GOLD



Material	Metals
Type	Liquid / CS Gas 15%
Length	145 mm
Height	105 mm
Weight (on unloading)	238g
Cartridge Weight	110g
Loading capacity	<8 Rounds
Range : Gas shell	<2 m / <5m

Feature

DH-38 look like a DH-5 (38 caliber revoiver). The biggest benefit of DH-38 is more simple and easy to use.



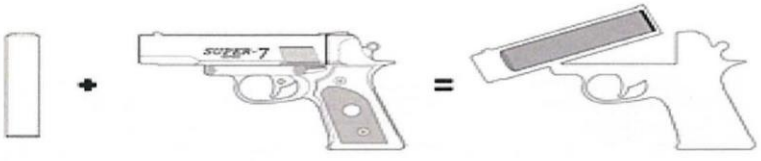
SUPER 7



Material	Metals
Type	Liquid / CS Gas 15%
Length	158 mm
Height	111 mm
Weight (on unloading)	285g
Cartridge Weight	70g
Loading capacity	8 Rounds
Range : Gas shell	<2 m / <5m

Feature

Super7 is very simple and easy to use. So it is public and easily accessible.



GAS GUN

POCKET 113



Material	Metals
Type	Liquid / CS Gas 15%
Length	120 mm
Height	93 mm
Weight (on unloading)	203g
Cartridge Weight	212g
Loading capacity	8 Rounds
Range : Gas shell	<2 m / <5m

Feature

Pocket113 is compact-sized gas gun. But it is as powerful as medium-classed guns. It is great favorite with the women.



DH-2000



Material	Aluminum
Type	Machine gun type
Length	199.5 mm
Height	130 mm
Weight	750g ±10g
Volume of gas	80g ±5g
Number of round	8~10 Rounds
Dispensing distance	Within 5m
Blank Cylinder Magazine	8 Rounds / 1Cartridge
Scatterring radius	1.5m
Type of shot	Independently or alternately
How to re-load	Just changing gas cartridge
How to change blank magazine	Just changing blank magazine



Feature

DH-2000 is a special model with the larger gas cartridge. So it can spout a huge amounts of gas.It makes a huge sound of explosion when you fire. Also, it's much easier to transport it by using shoulder strap.

GAS GUN

SOS 909



Material	Metals
Type	Powder / CS Gas 15%
Length	183mm
Height	114mm
Weight (on unloading)	514g
Cartridge Weight	104g
Loading capacity	2 Rounds
Range : Gas shell	<2 m / <5m

Feature

1. CO2, propulsion gas and powder-typed CS gas are assembled in a SOS909
2. It's easy to use it and replace the cartridges.
3. Both strong single shot and successive double shots are possible. Consequently It's possible in the initial suppression. Today, It's been used in national institutions, banks, security companies...etc.



KNOCK DOWN DH-36E



Material	ABS Reinforced Plastics
Type	Mini-size / gun type, handy
Weight	137 g
Size	125 mm x 99 mm
Used battery	DC 9 V, alkaline battery x 1 unit
Voltage	12,000 V
Effective electricity	900 mA
Effective current	<0.05 A

Feature

DH-36E is a minimum-sized stun-gun. The new small stun-gun increases this model's portability.

It can produce a large amount of voltages at up to 12,000v. This high voltage and current can make huge electric shocks and damages. But they won't effect man's life.



Caution

This product uses a 9V rechargeable battery.

Therefore, Please use it after charging.

GAS GUN

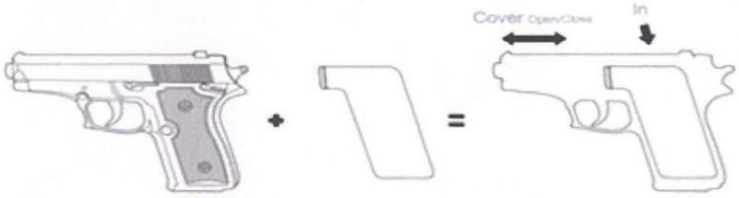
K-9 SUPER GAS GUN



Material	Aluminum
Type	Liquid / CS Gas 15%
Length	156 mm
Height	116 mm
Weight (on unloading)	320g
Cartridge Weight	140g
Loading capacity	<15 Rounds
Range : Gas shell	<2 m / <5m
Laser Battery	3LR41

Feature

K-9 is a gas spray gun. It has a great design as the latest model. It has a laser pointer of red light, and it helps to aim and fire. Also, K-9 has a big sized cartridge and strong pressure, it can be fired farther for a long time.



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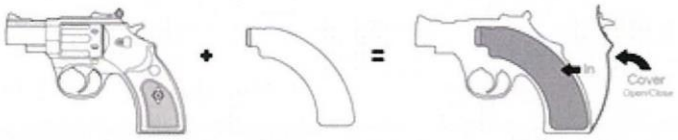
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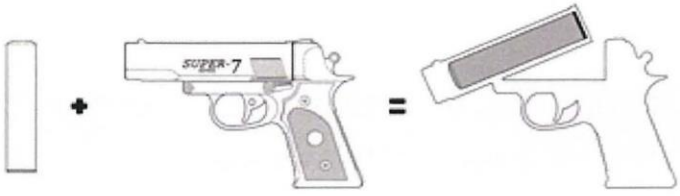
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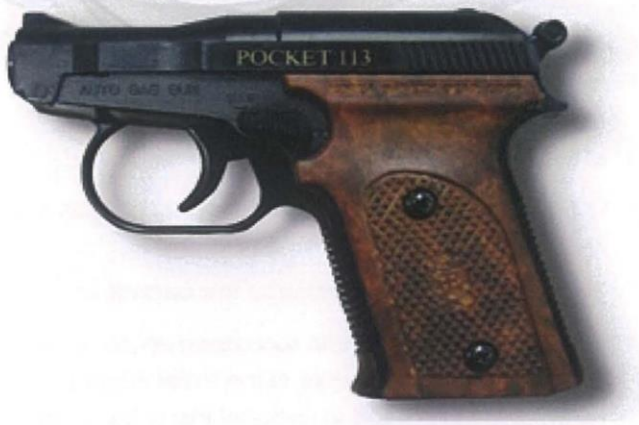
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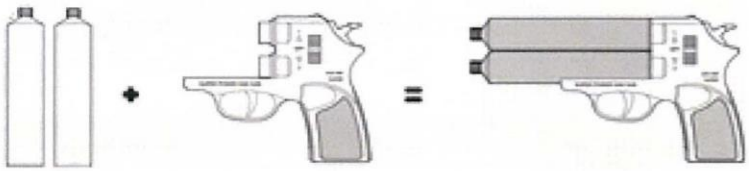
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