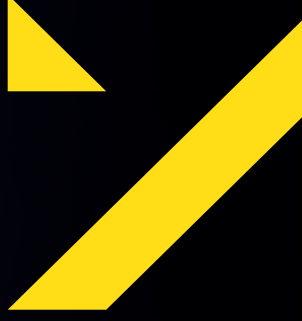




SMALL ARMS
AMMUNITION

KOMANDO



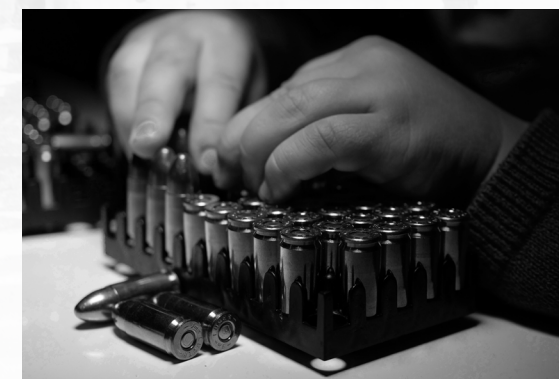
DEFENSE



SINCE ITS FOUNDING IN 1980,

Komando Av has served both domestic and international markets. The company now employs 900,00 square meters of space, including 6,500 square meters of closed production and storage space in Balıkesir. Production is carried out on the cutting-edge technology.

With its NATIONAL and NATO, FACILITY SECURITY CLEARANCE CERTIFICATE (FSCC), specific security measures at its facility for the civilian and defense industry. High quality components are selected elaborately and every stage of production is performed by taking high- level security measures.



SMALL ARMS AMMUNITION



9 X 19 MM 115 gr PARABELLUM

9 X 19 MM 124 gr PARABELLUM

9 X 19 MM 115 gr LUGER

9 X 19 MM 124 gr LUGER

9 X 19 MM 115 gr LUGER STEEL CASE

9 X 19 MM 124 gr LUGER STEEL CASE

5.56 X 45 MM M193

5.56 X 45 MM M855 (SS109)

5.56 X 45 MM M856 (L110) TRACER

7.62 X 39 MM M67 BULLET BALL

7.62 X 39 MM AP BULLET BALL

7.62 X 51 MM M80 BULLET BALL

7.62 X 51 MM M62 TRACER

7.62 X 51 MM M61 AP

.308 WIN

4.4 SP BOXER PRIMERS

PISTOL CASES

KOMANDO  **DEFENSE**

MM

91

X

@

- 9 X 19 MM 115 gr PARABELLUM
- 9 X 19 MM 124 gr PARABELLUM
- 9 X 19 MM 115 gr LUGER
- 9 X 19 MM 124 gr LUGER
- 9 X 19 MM 115 gr LUGER STEEL CASE
- 9 X 19 MM 124 gr LUGER STEEL CASE

9x19 MM
PARABELLUM



TECHNICAL PROPERTIES	115 GR	124 GR
BULLET	FMJ, 115 Gr (7.5 g)	FMJ, 124 gr (8g)
BULLET MATERIAL	Jacket-Tombac / CuZn30 Core-Lead Antimony	Jacket-Tombac / CuZn30 Core-Lead Antimony
CASE MATERIAL	Brass CuZn30	Brass CuZn30
CASE WEIGHT	~ 3.9 g	~ 3.9 g
PRIMER	Small Pistol, Boxer, Non Corrosive	Small Pistol, Boxer, Non Corrosive
PROPELLANT	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder
CARTRIDGE WEIGHT	~ 12.5 g	~ 12.5 g
VELOCITY (m/s) at 16 m	340	370 ± 10
PRESSURE (BAR)	Pmax + 3Sd < 2850 bar	Pmax + 3Sd < 2850 bar
ACCURACY at 46 m	Max. 5 cm	Max. 5 cm
EXTRACTION FORCE	≥250N	≥200N
TEMPERATURE RANGE	54°C to -+52°C	54°C to -+52°C
TERM of REFERENCE	MCMOPI	MCMOPI

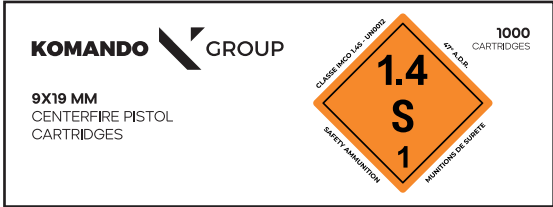




9x19 MM 115 GR
PARABELLUM



9x19 MM 124 GR
PARABELLUM



PACKING

50 rounds per cardboard box
20 cardboard boxes per carton box (1000)

9x19 MM
LUGER



TECHNICAL PROPERTIES	115 GR	124 GR
BULLET	FMJ, 115 Gr (7.5 g)	FMJ, 124 gr (8g)
BULLET MATERIAL	Jacket-Tombac / CuZn30 Core-Lead Antimony	Jacket-Tombac / CuZn30 Core-Lead Antimony
CASE MATERIAL	Brass CuZn30	Brass CuZn30
CASE WEIGHT	~ 3.9 g	~ 3.9 g
PRIMER	Small Pistol, Boxer, Non Corrosive	Small Pistol, Boxer, Non Corrosive
PROPELLANT	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder
CARTRIDGE WEIGHT	~ 12 g	~ 12.5 g
VELOCITY (m/s) at 16 m	350 ± 10	350 ± 10
PRESSURE (BAR)	Pmax + 3Sd < 2850 bar	Max. 2350 bar
ACCURACY at 46 m	Max. 5 cm	Max. 5 cm
EXTRACTION FORCE	≥250N	≥200N
TEMPERATURE RANGE	54°C to -+52°C	54°C to -+52°C
TERM of REFERENCE	C.I.P	





9x19 MM
LUGER STEEL CASE



9x19 MM 115 GR
LUGER



9x19 MM 124 GR
LUGER



TECHNICAL PROPERTIES

115 GR

124 GR

BULLET	FMJ, 115 Gr (7.5 g)	FMJ, 124 gr (8g)
BULLET MATERIAL	Jacket-Tombac / CuZn30 Core-Lead Antimony	Jacket-Tombac / CuZn30 Core-Lead Antimony
CASE MATERIAL	Brass Plated Steel	Brass Plated Steel
CASE WEIGHT	~ 3.9 g	~ 3.9 g
PRIMER	Small Pistol, Boxer, Non Corrosive	Small Pistol, Boxer, Non Corrosive
PROPELLANT	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder
CARTRIDGE WEIGHT	~ 12 g	~ 12.5 g
VELOCITY (m/s) at 16 m	350 ± 10	350 ± 10
PRESSURE (BAR)	Pmax + 3Sd < 2850 bar	Max. 2350 bar
ACCURACY at 46 m	Max. 5 cm	Max. 7.6 cm
EXTRACTION FORCE	≥250N	≥200N
TEMPERATURE RANGE	54°C to -+52°C	54°C to -+52°C
TERM of REFERENCE	MCMOPI	C.I.P

PACKING

50 rounds per cardboard box
20 cardboard boxes per carton box (1000)





9x19 MM **115 GR**
LUGER STEEL CASE



8 683598 002070



9x19 MM **124 GR**
LUGER STEEL CASE



8 683598 002025

PACKING

50 rounds per cardboard box
20 cardboard boxes per carton box (1000)

MM

45

X

5.56

5.56 X 45 MM M193

5.56 X 45 MM M855 (SS109)

5.56 X 45 MM M856 (L110) TRACER

5.56 X 45 MM



TECHNICAL PROPERTIES	M193	M855 (SS109)	M856 (L110) TRACER
BULLET WEIGHT	55 gr (~3,56 g)	62 gr (~4.0 g)	61 gr (~3.92 g)
BULLET MATERIAL	Jacket-Tombac / CuZn30 Core-Lead Antimony	Jacket-Tombac / CuZn30 Core 1- Lead Antimony Core 2- Steel	Jacket- Tombac plated steel Strip or copper washer steel strip Strip Core - Lead Antimony Tracer - Tracer Comp.
BULLET LENGTH	19.17 mm	23.4 mm	28.45 mm
CASE MATERIAL	Brass CuZn30	Brass CuZn30	Brass CuZn30
CASE LENGTH	44.7 mm	44.7 mm	44.7 mm
PRIMER	5.56 mm Boxer Primer	5.56 mm Boxer Primer	5.56 mm Boxer Primer
PROPELLANT	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder
PRESSURE (BAR)	Pmax + 3Sd < 4450 Bar	Pmax + 3Sd < 4450 Bar	Pmax + 3Sd < 4450 Bar
PORT PRESSURE	Port - 3Sd > 1030 Bar	Port - 3Sd > 1030 Bar	Port - 3Sd > 1030 Bar
VELOCITY (m/s) at 24m	965 ± 15	920 ± 15	900 ± 15
ACCURACY at 200m	Max. 5,08 cm	Max. 5,08 cm	Max. 30 cm at 550 m
ACTION TIME	< 3 ms	< 3 ms	< 3 ms
EXTRACTION FORCE	Min. 20,4 kgf	Min. 20,4 kgf	Min. 20,4 kgf
CARTRIDGE LENGTH	57.4 mm	57.4 mm	57.4 mm
PENETRATION (M855 / SS109)	The bullet of the sample cartridges shall demonstrate complete penetration of 3,5 mm thickness AISI 1020 steel plate target with hardness between min. RB55 and max. RB70 that located 570 meters from the weapon.		



5.56 X 45 MM
M193



5.56 X 45 MM
M855 (SS109)



5.56 X 45 MM
M856 (L110) TRACER



PACKING 1

30 rounds in cardboard box
15 cardboard boxes (450 rounds) in PVC bag
5 PVC (2.250 rounds) bags in wooden case

PACKING 2

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

MM

39

X

7.62

7.62 X 39 MM M67 BULLET BALL

7.62 X 39 MM AP BULLET BALL

7.62 X 39 MM



TECHNICAL PROPERTIES	M67 BULLET BALL	AP BULLET
BULLET TYPE	FMJ / 620	SP 640
BULLET WEIGHT	123 gr (~ 8.00 g)	123 gr (~8.00 g)
BULLET MATERIAL	Jacket - Tombac Core - Lead Antimony	Jacket- GMCS Core 1 - Steel Core 2 - Lead Antimony
BULLET LENGTH	23.9 mm	25.3 mm
CASE MATERIAL	Brass Case	Steel Case
CASE LENGTH	38.65 mm	
PRIMER TYPE	Boxer Type	Berdan Type
PROPELLANT	Smokeless Double Base / Spherical Powder	
CHAMBER PRESSURE	Max. 2550 bar	
VELOCITY (m/s) at 16m	715±10	715±10
ACCURACY RS	≤15 cm at 300m	≤20 cm at 300m
ACTION TIME	< 4 ms	
EXTRACTION FORCE	Min. 30 kgf	
CARTRIDGE LENGTH	55.8 mm	





7.62 X 39 MM

M67 BULLET BALL



7.62 X 39 MM

AP BULLET



PACKING 1

20 rounds in cardboard box
10 cardboard boxes (200 rounds) in PVC bag
5 PVC (1.000 rounds) bags in wooden case

7.62 X 51 MM

7.62 X 51 MM M80 BULLET BALL

7.62 X 51 MM M62 TRACER

7.62 X 51 MM M61 AP

7.62 X 51 MM



TECHNICAL PROPERTIES	M80 BULLET BALL	M62 TRACER	M61 AP
BULLET WEIGHT	149 gr (~9,67 g)	146 gr (~9.46 g)	150 gr (~9.75 g)
BULLET MATERIAL	Jacket - Tombac Core - Lead Antimony	Jacket- Tombac Core - Lead Antimony Tracer - Tracer Comp.	Jacket - Tombac Core 1- Lead Antimony Core 2- Steel
BULLET LENGTH	29.46 mm	34.29 mm	32.2 mm
CASE MATERIAL	Brass CuZn30	Brass CuZn30	Brass CuZn30
CASE LENGTH	51.18 mm	51.18 mm	51.18 mm
PRIMER	7.62 mm Boxer Primer	7.62 mm Boxer Primer	7.62 mm Boxer Primer
PROPELLANT	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder	Smokeless Double Base / Spherical Powder
PRESSURE (BAR)	Max. 3800 bar	Max. 3800 bar	Max. 3800 bar
PORT PRESSURE	Min. 550 Bar	Min. 550 Bar	Min. 550 Bar
VELOCITY (m/s) at 24m	833 ± 10	817 ± 10	838 ± 10
ACCURACY at 200m	Max 12.7 cm	Max. 38 cm	Max 19 cm
ACTION TIME	< 4 ms	< 4 ms	< 4 ms
EXTRACTION FORCE	Min. 27 kgf	Min. 27 kgf	Min. 27 kgf
CARTRIDGE LENGTH	71.12 mm	71.12 mm	71.12 mm
PENETRATION (AP M61)	The bullet of the sample cartridges shall demonstrate complete penetration of 6 mm thick nickel-chromium steel plate target located 100 meters from the weapon.		



7.62 X 51 MM
M80 BULLET BALL



7.62 X 51 MM
M62 TRACER



7.62 X 51 MM
M61 AP



PACKING 1

20 rounds in cardboard box
10 cardboard boxes (200 rounds) in PVC bag
5 PVC (1.000 rounds) bags in wooden case

WIN 308

.308 WIN



TECHNICAL PROPERTIES

BULLET TYPE	FMJ
BULLET WEIGHT	11.0 g / 170 gr
CALIBER	.308 WIN.
VELOCITY	2,850 ft/sec

PACKING 1

20 rounds in cardboard box
10 cardboard boxes (200 rounds) in PVC bag
5 PVC (1.000 rounds) bags in wooden case

BOXER PRIMERS

4.4 SP
BOXER PRIMERS



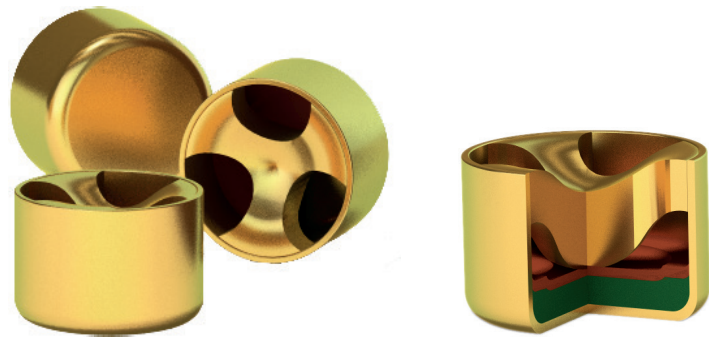
TECHNICAL PROPERTIES

CUP	CuZn30 - 0,42 + 0,020 mm
ANVIL	CuZn30 - 0,99 - 00,03 mm
COVER	Paper Disc - 0,10 - 00,03 mm
PRIMER LACQUERS	Nitrolacquer green
MIXTURE	Sinoxide, non corrosive, without Hg - 0,023 ± 0,002 g

SENSITIVITY

BALL WEIGHT	55g
UPPER STATISTICAL LIMIT	H + 4S ≤ 279,4mm (11")
LOWER STATISTICAL LIMIT	H - 2S ≤ 25,4mm (1")
FIRING PIN	Ø 2mm; R1, 28mm
TESTING IN CARTRIDGE CASE	8mm; 9mm

4.4 SP
BOXER PRIMERS



4.4 SP BOXER PRIMERS
FOR RELOADING



PACKING 1
100 pcs. per box
10 boxes for 1000 primers

SE
CASES
PIS
TOL
CAS
ES



- 380 R 9 X 18 MM
- 380 R 9 X 22 MM
- 380 R 9 X 28 MM
- 9 MM PA
- 9 MM MAKAROV
- 9 MM LUGER
- 9 X 21 MM
- .380 AUTO
- 40 S & W
- .45 AUTO
- 10 X 28 MM

PISTOL CASES



380 R 9X18 MM



380 R 9X22 MM



380 R 9X28 MM

GAUGE	380 R 9x18 mm	380 R 9x22 mm	380 R 9x28 mm
RAW MATERIAL	Brass & Steel	Brass & Steel	Brass & Steel
PLATING	Brass & Zinc	Brass & Zinc	Brass & Zinc
CASE LENGTH	18.10 - 18.30	21.90 - 22.10	27.95 - 28.15
RIM THICKNESS	1.00 - 1.25	1.00 - 1.25	1.00 - 1.25
CASE THICKNESS	0.40 - 0.50	0.40 - 0.50	0.40 - 0.50
CASE DIAMETER	9.50 - 9.60	9.50 - 9.60	9.50 - 9.60
PRIMER HOLE DEPTH	3.00 - 3.10	3.00 - 3.10	3.00 - 3.10
PACKAGE/PALLET	5.500 - 275.000	5.000 - 250.000	3.500 - 175.000



9 MM PA



9 MM MAKAROV



9 MM LUGER

GAUGE	9 mm PA	9 mm Makarov	9 mm Luger
RAW MATERIAL	Brass & Steel	Brass & Steel	Brass & Steel
PLATING	Brass & Zinc	Brass & Zinc	Brass & Zinc
CASE LENGTH	21.90 - 22.10	17.85 - 18.10	18.90 - 19.15
RIM THICKNESS	1.00 - 1.25	1.00 - 1.25	1.02 - 1.27
CASE THICKNESS	0.40 - 0.50	0.26 - 0.32	0.26 - 0.32
CASE DIAMETER	9.40 - 9.46	9.83 - 9.95	9.83 - 9.95
PRIMER HOLE DEPTH	3.00 - 3.10	3.00 - 3.10	3.00 - 3.10
PACKAGE/PALLET	5.000 - 250.000	5.500 - 275.000	5.500 - 275.000

PISTOL CASES



9X21 MM



.380 AUTO



40 S&W

GAUGE	9x21 mm	.380 AUTO	40 S&W
RAW MATERIAL	Brass & Steel	Brass & Steel	Steel
PLATING	Brass & Zinc	Brass & Zinc	Brass & Zinc
CASE LENGTH	20.90 - 21.15	17.02 - 17.27	21.34 - 21.59
RIM THICKNESS	1.02 - 1.27	0.89 - 1.14	1.15 - 1.40
CASE THICKNESS	0.26 - 0.32	0.20 - 0.25	0.25 - 0.30
CASE DIAMETER	9.83 - 9.95	9.25 - 9.50	10.52 - 10.77
PRIMER HOLE DEPTH	3.00 - 3.10	3.00 - 3.10	3.00 - 3.10
PACKAGE/PALLET	5.000 - 250.000	6.000 -300.000	4.000 - 200.000



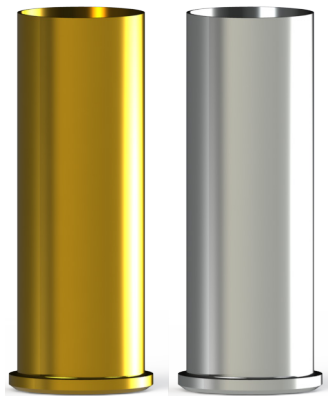
.45 AUTO



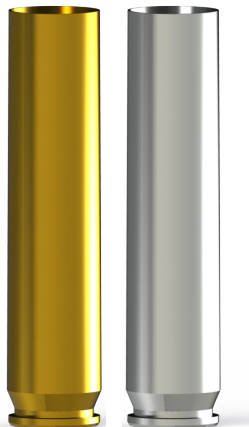
10X28 MM

GAUGE	.45 AUTO	10x28 mm
RAW MATERIAL	Steel	Brass & Steel
PLATING	Brass & Zinc	Brass & Zinc
CASE LENGTH	22.56 - 22.81	27.50 - 27.65
RIM THICKNESS	0.99 - 1.24	1.02 - 1.27
CASE THICKNESS	0.23 - 0.28	0.40 - 0.50
CASE DIAMETER	11.94 - 12.09	9.83 - 9.95
PRIMER HOLE DEPTH	3.00 - 3.10	3.00 - 3.10
PACKAGE/PALLET	3.000 - 150.000	3.500 - 175.000

PISTOL CASES



44 MAGNUM

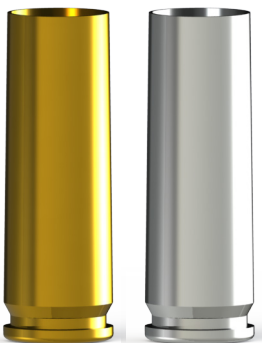


350 LEGEND

GAUGE	44 Magnum	350 Legend
CASE LENGTH	32.19-32.64	43.18-43.43
RIM THICKNESS	1.24-1.52	0.89-1.14
CASE THICKNESS	11.46-11.61	9.83-9.92
PRIMER HOLE DEPTH	3.00-3.10	3.00-3.10
PACKAGE/PALLET	2.500/150.000	2.500/150.000



5,7X28 MM



7,62X25 MM

GAUGE	5,7x28 mm	7,62x25 mm
CASE LENGTH	27.70-28.90	29.30-29.50
RIM THICKNESS	0.94-1.14	1.02-1.27
CASE THICKNESS	7.75-7.95	9.83-9.95
PRIMER HOLE DEPTH	3.00-3.10	3.00-3.10
PACKAGE/PALLET	6.000/360.000	3.000/180.000

RIFLE CASES



5,56X45 MM



7,62X39 MM

GAUGE	5,56x45 mm	7,62x39 mm
CASE LENGTH	43.94-44.70	38.43-38.81
RIM THICKNESS	0.89-1.14	1.20-1.45
CASE THICKNESS	9.43-9.58	11.20-11.35
PRIMER HOLE DEPTH	3.00-3.10	3.00-3.10
PACKAGE/PALLET	3.000/180.000	2.500/150.000



300 AAC BLACKOUT

GAUGE	300 AAC Blackout
CASE LENGTH	34.37-34.75
RIM THICKNESS	0.89-1.14
CASE THICKNESS	9.45-9.60
PRIMER HOLE DEPTH	3.00-3.10
PACKAGE/PALLET	3.000/180.000

NOTES



NOTES

TRUSTED BY PROFESSIONALS



Komando Av Silah Patlayıcı San. Tic. A.Ş.

Hisariçi Mh. Ahmet Toprak Cd.
No: 9/10100 Balıkesir / TÜRKİYE

www.komandoav.com
info@komandoav.com