



**DICON
ROVIN**



AMMUNITION CALIBER

ADVANCED DEFENSE TECHNOLOGIES

Dicon Rovin is a technology company that develops innovative solutions in the defense and security sectors, built on high engineering standards.

Its portfolio includes reliable, efficient, and user-focused systems designed to meet modern operational needs.

With strong global partnerships and a commitment to quality, Dicon Rovin provides high-performance solutions to institutions and continues to expand its product range, positioning itself as a trusted partner in the industry.



TECHNICAL SPECIFICATIONS

BULLET TYPE	LUGER (124) BALL	LUGER (115) BALL	PARABELLUM (124) BALL
BULLET WEIGHT	124 gr (~ 8,00 g)	115 gr (~ 7,50 g)	124 gr (~ 8,00 g)
BULLET MATERIAL	Jacket - Tombac /CuZn30 Core - Lead Antimony	Core - Lead Antimony Jacket - Tombac /CuZn30	Jacket - Tombac /CuZn30 Core - Lead Antimony
CASE MATERIAL	Brass CuZn30		
CASE LENGTH	~ 19.15 mm		
PRIMER TYPE	9 mm Primer, Boxer, non-corrosive		
POWDER TYPE	Spherical, Double Base Powder		
PRESSURE	Max. 2350 Bar (Chamber)	Max. 2350 Bar (Chamber)	Pmax + 3Sd < 2850 Bar (Case Mouth)
VELOCITY (m/s) at 16 m	350 ± 10 m/s	350 ± 10 m/s	370 ± 10 m/s
ACCURACY (Standard Deviation)	Max. 76 mm at 50 m	Max. 76 mm at 50 m	Max. 76 mm at 50 m
ACTION TIME	< 3 ms		
EXTRACTION FORCE	Min. 20.4 kgf / 200.4 N		
CARTRIDGE LENGTH	~ 26,69 mm		
WATERPROOFNESS	Applied		
TEMPERATURE RANGE	-54 °C to +52°C		
REFERENCE DOCUMENT	C.I. P / SAAMI		AEP-97 MULTI-CALIBRE MANUAL OF PROOF AND INSPECTION (M-CMOPI) FOR SMALL ARMS AMMUNITION Aop-4090 Technical Performance Specification Providing For The Interchangeability Of 9 mm x 19 Ammunition

5,56 × 45 mm



TECHNICAL SPECIFICATIONS

BULLET TYPE	M193 BALL	M855 BALL	M856 TRACER
BULLET WEIGHT	~55 gr (~ 3.56 g)	~62 gr (~ 4,00 g)	~62 gr (~ 4,00 g)
BULLET MATERIAL	Jacket- Tombac/CuZn10 Core- Lead Antimony	Jacket – Tombac/CuZn10 Core – Steel and Lead	Jacket – Tombac plated steel strip or copper washer steel strip Core – Lead Antimony Tracer- Tracer Comp.
CASE MATERIAL	Brass CuZn30		
CASE LENGTH	~ 44.70 mm		
PRIMER TYPE	4.4 Primer, Boxer, non-corrosive		
POWDER TYPE	Spherical, Double Base Powder		
CASE MOUTH PRESSURE	Pavg. + 3SD ≤ 4450 Bar		
PORT PRESSURE	Port – 3Sd > 1030 Bar		
VELOCITY (m/s) at 24 m	960 ± 20 m/s	920 ± 20 m/s	895 ± 12 m/s
ACCURACY (Standard Deviation)	Max. 50.8 mm at 180 m	Max. 200 mm at 550 m	Max. 300 mm at 550 m
TRACE			Dim trace to min 13 m from the muzzle of the weapon, visible from max 140 m to min 600 m from the muzzle of the weapon
ACTION TIME	< 3 ms		
EXTRACTION FORCE	Min. 20.4 kgf / 200.4 N		
CARTRIDGE LENGTH	~57,4 mm		
WATERPROOFNESS	Applied		
TEMPERATURE RANGE	-54 °C to +52°C		
REFERENCE DOCUMENT	AEP-97 MULTI-CALIBRE MANUAL OF PROOF AND INSPECTION (M-CMOPI) FOR SMALL ARMS AMMUNITION Aop-4172 Technical Performance Specification Providing For The Interchangeability Of 5,56 mm x 45 Ammunition		

7,62 × 39 mm



TECHNICAL SPECIFICATIONS

BULLET TYPE	M43 BALL
BULLET WEIGHT	123 GR (~ 8,00 G)
BULLET MATERIAL	Jacket –Tombac Plated Steel / Core 1 – Steel / Core 2 – Lead Antimony
CASE MATERIAL	Steel
CASE LENGTH	~ 38,70 mm
PRIMER TYPE	5.3 Primer, Boxer, non-corrosive
POWDER TYPE	Spherical, Double Base Powder
CASE MOUTH PRESSURE	Pmax 3350 bar
VELOCITY (M/S) AT 24 M	715 ± 20 m/s
ACTION TIME	< 4 ms
EXTRACTION FORCE	Min. 27.2 kgf / 265 N
CARTRIDGE LENGTH	~56,00 mm
WATERPROOFNESS	Applied
TEMPERATURE RANGE	-54 °C to +52°C



TECHNICAL SPECIFICATIONS

BULLET TYPE	M80 BALL	M62 TRACER
BULLET WEIGHT	~149 gr (~ 9.65 g)	~146 gr (~ 9.46 g)
BULLET MATERIAL	Jacket- Tombac/CuZn10 Core – Lead Antimony	Jacket – Tombac plated steel strip or copper washer steel strip Core- Lead Antimony Tracer- Tracer Comp.
CASE MATERIAL	Brass CuZn30	
CASE LENGTH	~ 51,18 mm	
PRIMER TYPE	5.3 Primer, Boxer, non corrosive	
POWDER TYPE	Spherical, Double Base Powder	
CASE MOUNTH PRESSURE	Pavg. + 3SD ≤ 4450 Bar	
PORT PRESSURE	Min. 550 Bar	
VELOCITY (M/S) AT 24 M	833 ± 15m/s	818 ± 15m/s
ACCURACY (Standart Deviation)	Max. 200 mm at 550 m	Max. 300 at 550 m
TRACE		Dim trace to min 13 m from the muzzle of the weapon, visible from max 140 m to min 600 m from the muzzle of the weapon
ACTION TIME	< 4 ms	
EXTRACTION FORCE	Min. 27 kgf/265N	
CARTRIDGE LENGTH	~ 71,12 mm	
WATERPROOFNESS	Applied	
TEMPERATURE RANGE	-54 °C to +52°C	
REFERENCE DONCUMKEN	AEP-97 MULTI-CALIBRE MANUAL OF PROOF AND INSPECTION (M-CMOPI) FOR SMALL ARMS AMMUNITION AOP-2310 Technical Performance Specification Providing For The Interchangeability Of 7,62 mm x 51 Ammunition And Links	

TECHNICAL SPECIFICATIONS

BULLET TYPE	M33 BALL	M17 TRACER BALL
BULLET WEIGHT	653 gr (~42,3 g)	618 gr (~40,0 g)
BULLET MATERIAL	Jacket – TombacCore SteelCup Closure – Lead Antimony Filler Point – Borax	Jacket – Tombac plated steel strip or copper washer steel stripCore – Lead Antimony Tracer – Tracer Comp.
CASE MATERIAL	Brass CuZn30	
CASE LENGTH	~99,31 mm	
PRIMER TYPE	12.7 mm Primer, Boxer, non-corrosive	
POWDER TYPE	Spherical, Double Base Powder	
CASE MOUTH PRESSURE	Pmax + 35d ± 4500 Bar	
PORT PRESSURE	—	
VELOCITY (m/s) at 24 m	887 ± 12 m/s	
ACCURACY (Standard Deviation)	Max. 300 mm at 550 m	Max. 400 mm at 550 m
TRACE	—	Visible trace of full luminosity from a point not greater than 200 m from muzzle, to a point not less than 1500 m from muzzle
ACTION TIME	< 4.5 ms	
Extraction Force	Min. 91.7 kgf / 900 N	
Cartridge Length	~138,4 mm	
Waterproofness	Applied	
Temperature Range	-54 °C to +52 °C	
REFERENCE DOCUMENT	AEP-97 MULTI-CALIBRE MANUAL OF PROOF AND INSPECTION (M-CMOP) FOR SMALL ARMS AMMUNITION AOP-4383 Technical Performance Specification Providing For The Interchangeability Of 12,7 mm × 99 Ammunition And Links	



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