



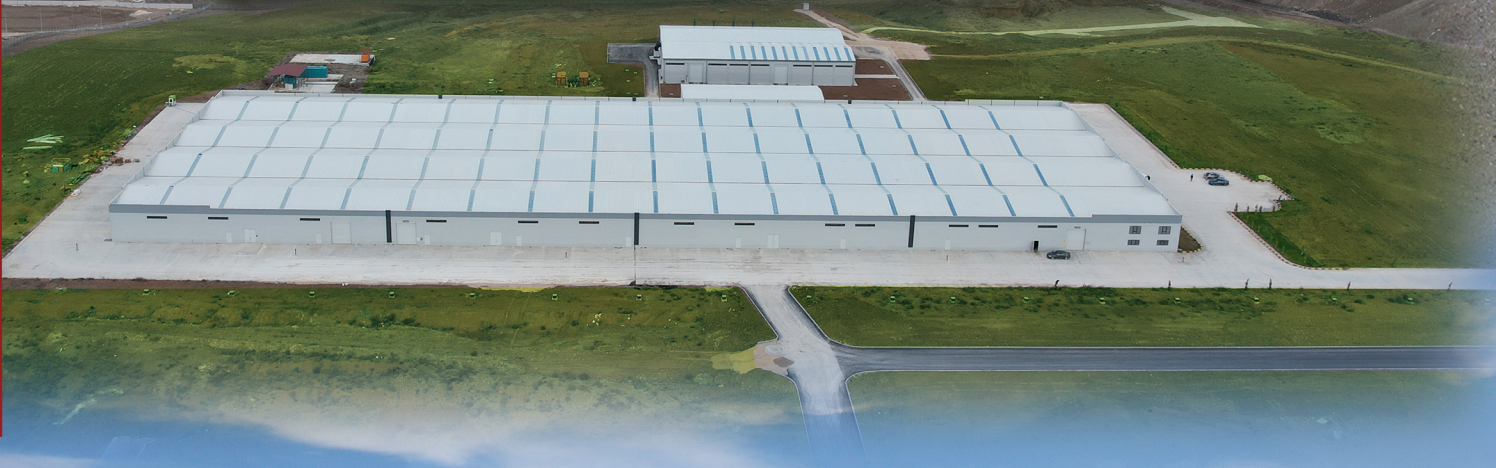
**TMA**  
**DEFENCE INDUSTRY INC.**





# TMA

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# TMA DEFENCE





TMA, which started its operations in 2024, was established as an international company that **produces small arms ammunition**.

Our factory is established in Çorum Sungurlu/ Türkiye on a **28.000 m<sup>2</sup> closed and 406.000 m<sup>2</sup> open area** and produces 9mmx19 Parabellum, 5.56mmx45 M193, and 7.62x51 mm M80 cartridges.

Our production capacity is

**210 million** pieces/year for 9x19 mm Parabellum,  
**70 million** pieces/year for 5.56x45 mm M193,  
**70 million** pieces/year for 7.62x51 mm M80.

Our production is carried out by **NATO and Military standards**.

We aim to provide our customers with

On-Time,  
Cost-Effective,  
High-Quality

Products as the center of technology and to work with an **innovative perspective**.





# 9x19mm Pistol Cartridge (Parabellum)

<b>Cartridge Length</b>	29.69 mm
<b>Cartridge Weight</b>	~12.15 g
<b>Velocity (m/s)</b>	370±10 m/s (In 16 meters)
<b>Bullet Weight</b>	124 grain (8 ± 0.075 gram)
<b>Average Case Mouth Pressure (Pmax+3Sd)</b>	Max.2850 bar
<b>Bullet Extraction Force</b>	Min. 20.4-kilogram force
<b>Bullet Type</b>	FMJ, with Brass Jacket (CuZn30), Lead Core (Lead-Antimony Alloy)
<b>Action Time</b>	< 3 milliseconds
<b>Case Material Brass</b>	(CuZn30)
<b>Bullet Material</b>	CuZn30-Lead (2.5% antimony) Full Metal Jacket
<b>Primer</b>	9 mm Primer, Boxer
<b>Powder</b>	Double Base Spherical Powder
<b>Packaging</b>	50 cartridges in 1 plastic separator and cardboard box





# 5.56x45mm Cartridge (M193)

<b>Cartridge Length</b>	57.4mm
<b>Cartridge Weight</b>	~11.5 g
<b>Velocity (m/s)</b>	964±12 m/s (At 23.7 meters)
<b>Bullet Weight</b>	55 grain.~3.56 gram
<b>Average Case Mouth Pressure (Pmax+3Sd)</b>	4450 Bars
<b>Bullet Extraction Force</b>	20.4 Kg Force
<b>Case Material</b>	Brass (CuZn30)
<b>Bullet Material</b>	CuZn10- Lead (2.5%antimony) Full Metal Jacket
<b>Action Time</b>	≤ 3 milliseconds
<b>Primer</b>	5.56 mm Primer,Boxer
<b>Powder</b>	Double Base Spherical Powder
<b>Packaging</b>	20/30 cartridges in 1 cardboard box





# 7.62x51mm Cartridge (M80)

<b>Cartridge Length</b>	71.12 mm
<b>Cartridge Weight</b>	~24 g
<b>Velocity (m/s)</b>	838 ± 9.1 m/s (At 23.7 meters)
<b>Bullet Weight</b>	9.65 ± 0.20 g
<b>Average Case Mouth Pressure (Pmax+3Sd)</b>	Max .4450 Bars
<b>Bullet Extraction Force</b>	Min. 27 Kg Force
<b>Case Material</b>	Brass (CuZn30)
<b>Bullet Material</b>	CuZn10- Lead (2.5%antimony) Full Metal Jacket
<b>Action Time</b>	Max. 4 ms
<b>Primer</b>	Tombac Jacket, Lead Core (Lead- Antimony Alloy)
<b>Powder</b>	Double Base Spherical Powder
<b>Packaging</b>	20 cartridges in 1 cardboard box,







## Shooting Range

Our shooting range, located within our ammunition manufacturing facility in Sungurlu and **spanning 3,500 m<sup>2</sup>**, is equipped with the most modern equipment for the quality control processes of our produced ammunition.

Testing is conducted in our **50, 100, and 500-meter-long shooting range** in compliance **with NATO AEP-97 standards**.

The quality and consistency of our ammunition are our top priorities. Thanks to **the EPVAT systems in our range**, measurements of velocity, pressure, and dispersion are regularly reported.







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