



# **Small Arms Ammunition**

> Small Arms Ammunition - 5,56 × 45



| TECHNICAL AND BALLISTIC DATA | M193         | M196         | M855                | M856         | M200         | M200A1       |
|------------------------------|--------------|--------------|---------------------|--------------|--------------|--------------|
| Type                         | Ball         | Tracer       | Ball                | Tracer       | Blank        | Blank        |
| Length                       | max. 57,4 mm | max. 57,4 mm | max. 57,4 mm        | max. 57,4 mm | max. 53,7 mm | max. 48,2 mm |
| Weight                       | ~ 11,53 g    | ~ 11,52 g    | ~ 11,93 g           | ~ 11,82 g    | ~ 7,4 g      | ~ 6,8 g      |
| Maximum Pressure             | 3584 bar     | 3584 bar     | 3792 bar            | 3792 bar     |              |              |
| Muzzle Velocity              | 965 ±12 m/s  | 950 ±12 m/s  | 920 ±12 m/s         | 911 ±12 m/s  |              |              |
| Accuracy (at 183m)           | max 0,0508 m | max 0,127 m  | (at 594) max 0,25 m | max 0,378 m  |              |              |

> Small Arms Ammunition - 7,62 × 39



| TECHNICAL AND BALLISTIC DATA | M67          | M78          | M82          | M68          | M68                              |
|------------------------------|--------------|--------------|--------------|--------------|----------------------------------|
| Type                         | Ball         | Tracer       | API          | Blank        | Ignition Char. for Rifle Grenade |
| Length                       | max. 55,8 mm | max. 55,8 mm | max. 55,8 mm | max. 49,3 mm | max. 55,5 mm                     |
| Weight                       | ~ 17,41 g    | ~ 17,06 g    | ~ 16,99 g    | ~ 9,25 g     | ~ 11,3 g                         |
| Maximum Pressure             | 2550 bar     | 2550 bar     | 2550 bar     |              | 1570 bar                         |
| Muzle Velocity               | 733 ±8 m/s   | 706 ±8 m/s   | 733 ±8 m/s   |              | 59.5 ±0,5 m/s                    |
| Accuracy (at 183m)           | max 0,15 m   | max 0,30 m   | max 0,20 m   |              |                                  |

> Small Arms Ammunition - 7,62 × 51



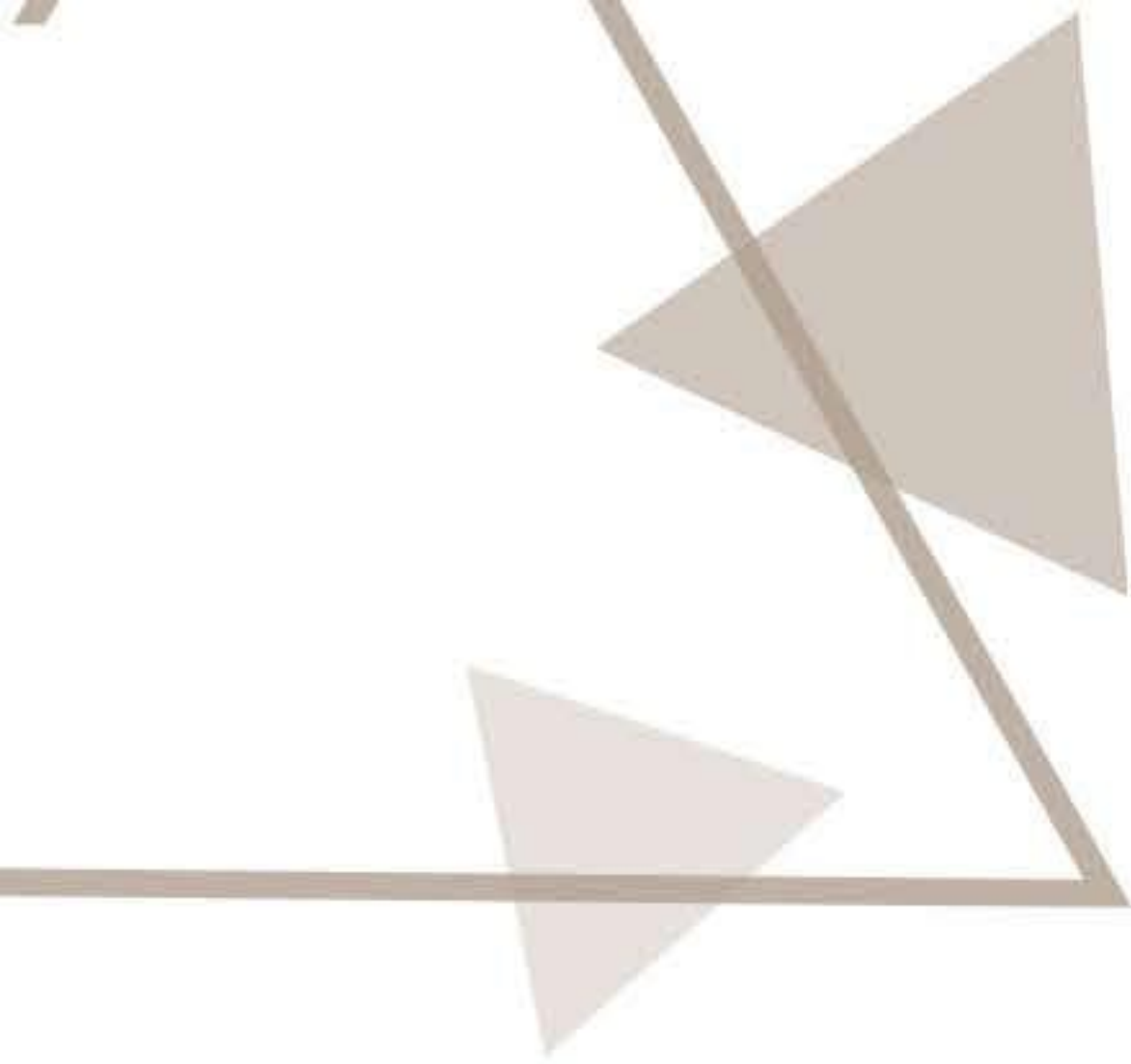
| TECHNICAL AND BALLISTIC DATA | M80           | M62           | M61           | M118          | M82           |
|------------------------------|---------------|---------------|---------------|---------------|---------------|
| Type                         | Ball          | Tracer        | AP            | Special Ball  | Blank         |
| Length                       | max. 71,12 mm | max. 71,12 mm | max. 71,12 mm | max. 71,12 mm | max. 63,15 mm |
| Weight                       | ~ 24,00 g     | ~ 23,74 g     | ~ 24,41 g     | ~ 25,44 g     | ~ 12,99 g     |
| Maximum Pressure             | 3447 bar      | 3447 bar      | 3447 bar      | 3447 bar      |               |
| Muzle Velocity               | 839 ±9,1 m/s  | 817 ±9,1 m/s  | 838 ±9,1 m/s  | 780 ±9,14 m/s |               |
| Accuracy (at 183m)           | max 0,127 m   | max 0,381 m   | max 0,191 m   | max 0,0889 m  |               |



# > Small Arms Ammunition - 7,62 × 54



| TECHNICAL AND BALLISTIC DATA | M30           | M87           | M90           |
|------------------------------|---------------|---------------|---------------|
| Type                         | Ball          | Tracer        | API           |
| Length                       | max. 77,16 mm | max. 77,16 mm | max. 77,16 mm |
| Weight                       | ~ 24,40 g     | ~ 23,20 g     | ~ 23,80 g     |
| Maximum Pressure             | 2800 bar      | 2800 bar      | 2800 bar      |
| Muzle Velocity               | 785 ±10 m/s   | 810 ±10 m/s   | 830 ±10 m/s   |
| Accuracy (at 183m)           | max 0,18 m    | max 0,36 m    | max 0,20 m    |



# > Small Arms Ammunition - 7,62 × 63



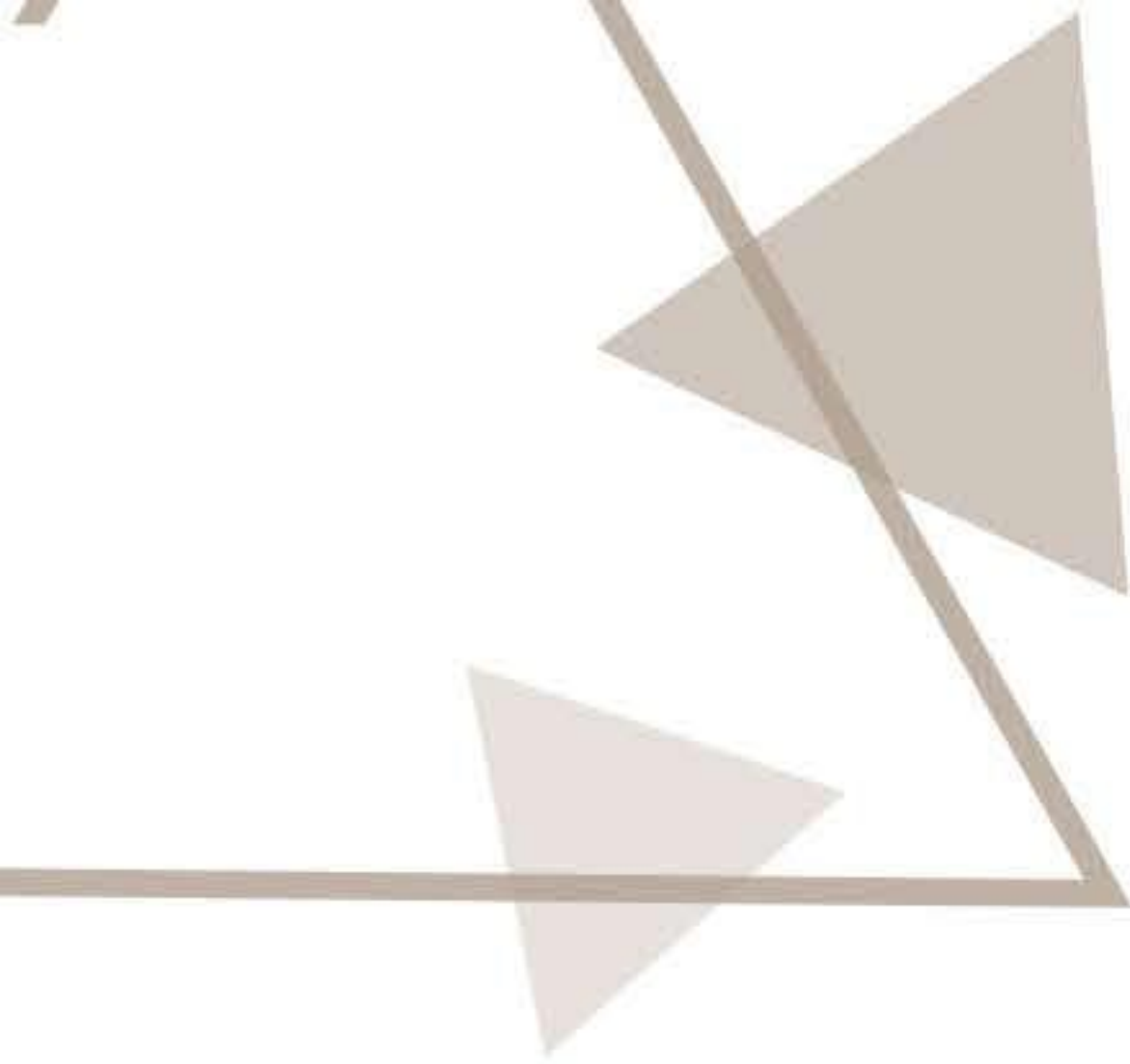
| TECHNICAL AND BALLISTIC DATA | M2           | M25          | M1999        |
|------------------------------|--------------|--------------|--------------|
| Type                         | Ball         | Tracer       | Blank        |
| Length                       | max. 84,8 mm | max. 84,8 mm | max. 63,3 mm |
| Weight                       | ~ 26,19 g    | ~ 25,59 g    | ~ 13,99 g    |
| Maximum Pressure             | 3447 bar     | 3447 bar     |              |
| Muzle Velocity               | 835 ±9,1 m/s | 812 ±9,1 m/s |              |
| Accuracy (at 183m)           | max 0,1905 m | max 0,457 m  |              |



# > Small Arms Ammunition - 7,9 × 57



| TECHNICAL AND BALLISTIC DATA | M49          | M70          |
|------------------------------|--------------|--------------|
| Type                         | Ball         | Tracer       |
| Length                       | max. 80,6 mm | max. 80,6 mm |
| Weight                       | ~ 27,17 g    | ~ 26,79 g    |
| Maximum Pressure             | 2940 bar     | 2940 bar     |
| Muzle Velocity               | 720 ±10 m/s  | 705 ±10 m/s  |
| Accuracy (at 183m)           | max 0,09 m   | max 0,15 m   |



> Small Arms Ammunition - 12,7 × 99

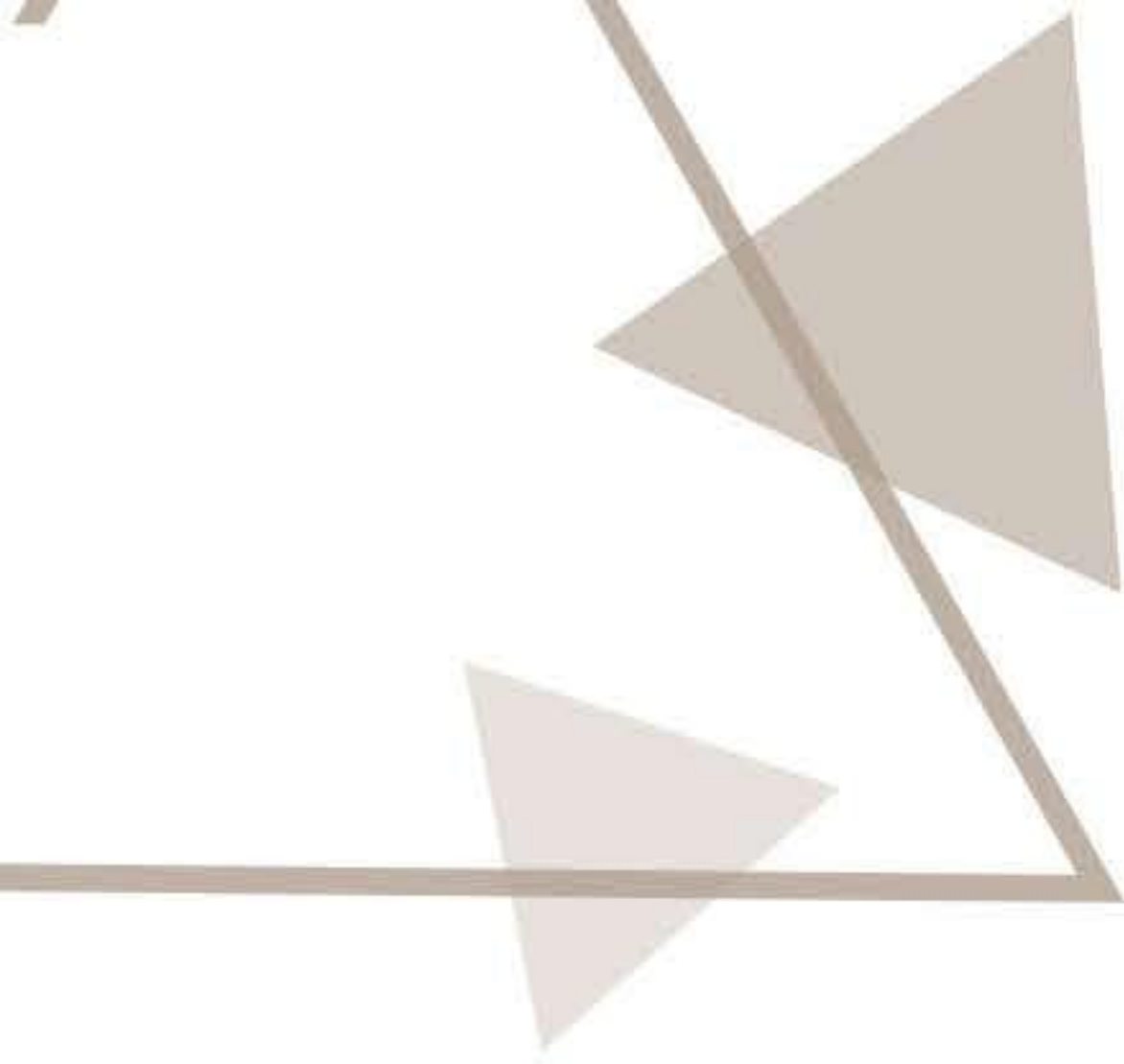


| TECHNICAL AND BALLISTIC DATA | M33            | M17            | M8             | M20            | M2             |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Type                         | Ball           | Tracer         | API            | APIT           | AP             |
| Length                       | max. 138,43 mm | max. 138,43 mm | max. 138,43 mm | max. 138,43 mm | max. 138,43 mm |
| Weight                       | ~ 116,70 g     | ~ 112,90 g     | ~ 114,20 g     | ~ 111,40 g     | ~ 113,90 g     |
| Maximum Pressure             | 3791 bar       | 3722 bar       | 3791 bar       | 3791 bar       | 3791 bar       |
| Muzle Velocity               | 887 ±9,1 m/s   | 817 ±12 m/s    | 887 ±9,1 m/s   | 887 ±9,1 m/s   | 887 ±9,1 m/s   |
| Accuracy (at 183m)           | max 0,3048 m   | max 0,508 m    | max 0,3048 m   | max 0,3048 m   | max 0,3048 m   |

> Small Arms Ammunition - 12,7 × 99



| TECHNICAL AND BALLISTIC DATA | M02            | M1           | M33 SNIPER          |
|------------------------------|----------------|--------------|---------------------|
| Type                         | APEI           | Blank        | Special Ball-Sniper |
| Length                       | max. 138,43 mm | max. 99,3 mm | max. 138,43 mm      |
| Weight                       | ~ 114,20 g     | ~ 59,15 g    | ~ 116,70 g          |
| Maximum Pressure             | 3791 bar       | 3791 bar     |                     |
| Muzle Velocity               | 887 ±9,1 m/s   | 887 ±9,1 m/s |                     |
| Accuracy (at 183m)           | max 0,3048 m   | max 0,19 m   |                     |



# > Small Arms Ammunition - 12,7 × 108



| TECHNICAL AND BALLISTIC DATA | B32         | BZT-44      |
|------------------------------|-------------|-------------|
| Type                         | B32         | BZT-44      |
| Length                       | max. 147 mm | max. 147 mm |
| Weight                       | ~ 133,10 g  | ~ 128,60 g  |
| Maximum Pressure             | 3040 bar    | 3040 bar    |
| Muzzle Velocity              | 810-825 m/s | 810-825 m/s |
| Accuracy (at 183m)           | max 0,20 m  | max 0,20 m  |