



HANDGUN AMMUNITION-RELOADING COMPONENTS-RIFLE-AMMUNITION

# Precision Performance Uncompromised

WIDE RANGE OF RIFLE AND  
HANDGUN AMMUNITION AND  
COMPONENTS

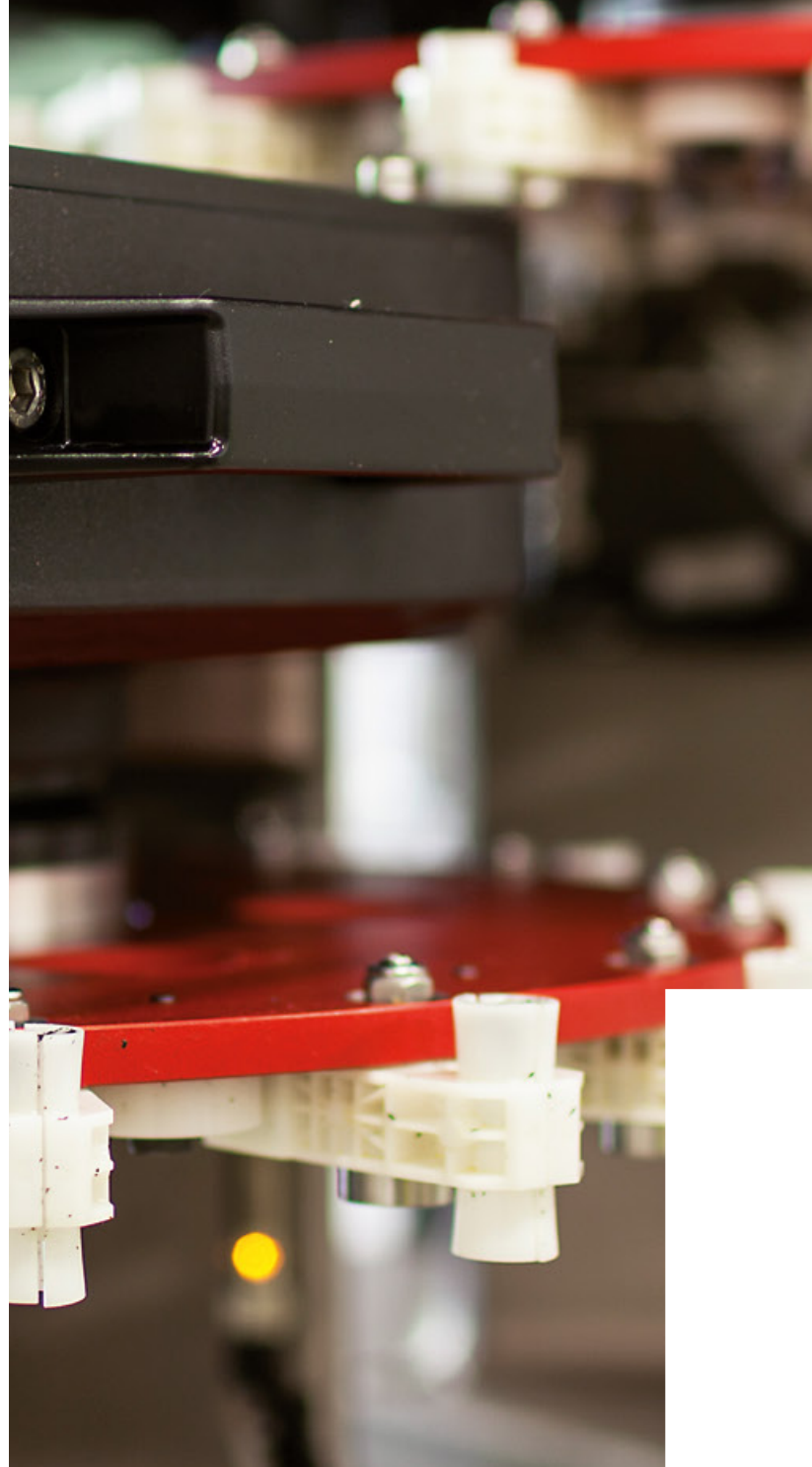
**YOUR AMMO  
IS PPU** - Now the  
rest is up to you!

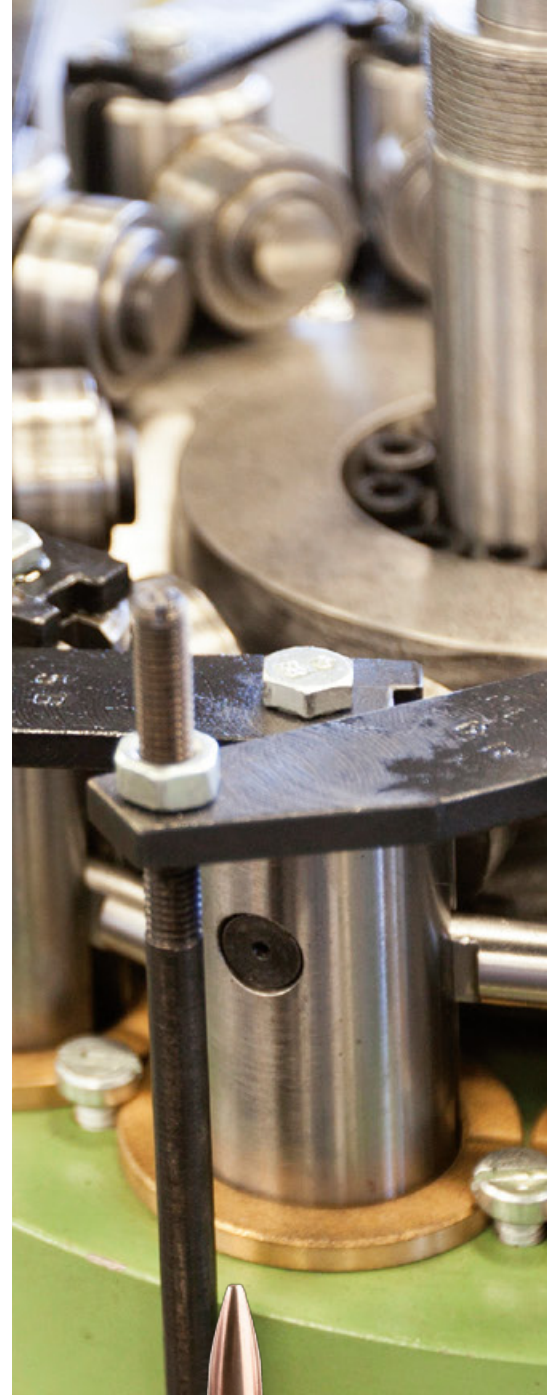
# 2018 NEW DESIGN



[ppu-usa.com](http://ppu-usa.com)

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# Introduction

We are ammunition manufacturers PPU, located in the city of Užice in southwestern Serbia. We have been manufacturing ammunition for 89 years, beginning in 1928. PPU supplies ammunition to armed forces and law enforcement throughout the world.

We also manufacture sporting and hunting ammunition which is sold worldwide.

The quality of our ammunition is always our priority and to that end we utilize only the most modern equipment and machinery. Through research and innovation we have developed a wide assortment of ammunition. Thanks to rigorous quality control and precise workmanship we deliver highly reliable ammunition with high performance characteristics.



# THE HISTORY OF THE FACTORY

Our history begins in 1928 when the first plant was opened under the name “Ammunition Factory of Užice” (FOMU).

In the beginning, the factory manufactured numerous, now obsolete calibers, including Central 7mm, Serbian Nagant 7.62mm, Montenegrin Nagant 11.2mm, Russian Nagant 7.62mm, Velodog 5.6mm and special hunting cases for smokeless powder. During this period the factory manufactured single and double barrel shotguns in 12, 16 and 20 gauges. In subsequent years manufacturing began with producing 7.9mm military rifles and ammunition for 9mm government handgun.

The factory had been severely damaged several times during WW2, but was always rebuilt and continued functioning. In that period the factory got a new name – Prvi Partizan and became government owned.

During the 1970s new facilities were built which enabled increased output and the introduction of new products.

A brand new facility was completed in 2013 and we now utilize the most modern technologies and equipment in accordance with the highest standards.





# Quality Standards

Our manufacturing philosophy is based on high standards. In order to ensure the highest quality of our products, we have established a quality control system in accordance with the internationally recognized ISO 9001:2008 and SORS 9000/14 standards.

Maintaining high quality is the most important factor of our success. We achieve this by the consistent implementation of QMS management systems in all phases, from the recognition of customer requests, planning, supply of raw materials, manufacturing, quality control to the final delivery of our products and the satisfaction of our customers.



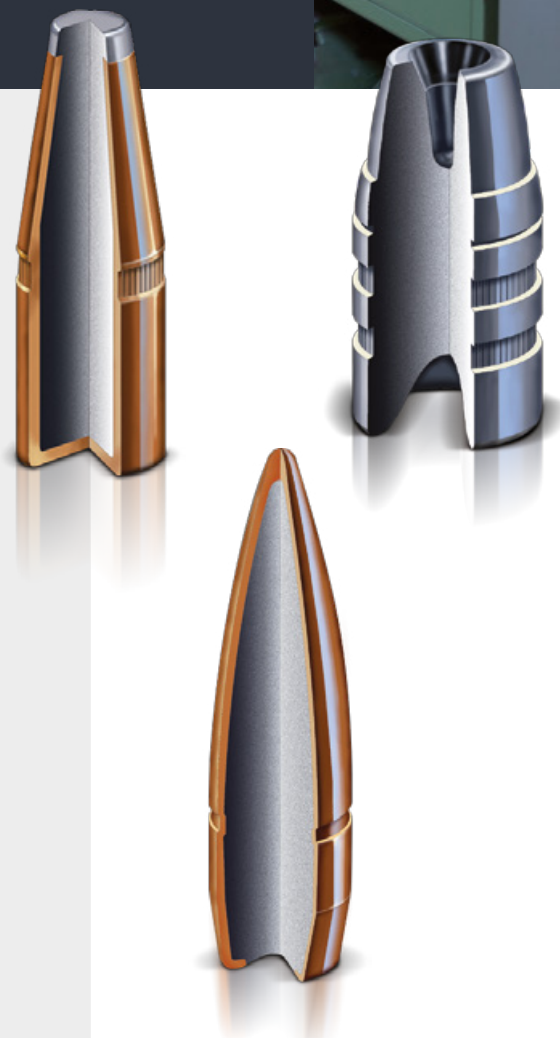
## PPU Today

Throughout our history we have continuously widened our assortment and successfully kept up with trends and technology, always keeping in mind the needs of our increasing number of customers. Thanks to continuous innovations and timely transformation whenever it was necessary, we have established ourselves as a modern company with a high reputation.

We offer a wide assortment of products:

- **SPORTING AND HUNTING AMMUNITION**
- **BLANK AMMUNITION**
- **MILITARY AMMUNITION**
- **MACHINES AND TOOLS FOR MANUFACTURING OF AMMUNITION**
- **ETC**

**We manufacture more than 160 types of rifle and handgun ammunition.**



# SUBSONIC LINE

## AMMUNITION

With the recent popularity of subsonic ammunition we are proud to present our PPU Subsonic Line. The new Subsonic Line ammunition is manufactured to strict quality production standards and will exceed all expectations. Subsonic ammunition has been in use by military, law enforcement, and training because of its lower noise and lower recoil benefits. Give it a try yourself and experience the benefits firsthand and see why subsonic ammunition is gaining popularity with shooters.





| Caliber | TRZ Load No. | Bullet Weight/Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |    |    | Bullet Striking Energy in ft-lbs at Yardage Indicated |    |    | Bullet Path Above/Below Sight Line |    |     |
|---------|--------------|---------------------|-----------------------|------------------------------------------------------|----|----|-------------------------------------------------------|----|----|------------------------------------|----|-----|
|         |              |                     |                       | Muzzle                                               | 25 | 50 | Muzzle                                                | 25 | 50 | 25                                 | 50 | 100 |



9mm Luger Subsonic

#### 9mm LUGER SUBSONIC

PPS9mm 158 FMJ 0.160 950 925 895 317 300 281 0 -2.9 -11.8

| Caliber | TRZ Load No. | Bullet Weight/Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |     |     |     | Bullet Striking Energy in ft-lbs at Yardage Indicated |     |     |     | Bullet Path Above/Below Sight Line |     |     |
|---------|--------------|---------------------|-----------------------|------------------------------------------------------|-----|-----|-----|-------------------------------------------------------|-----|-----|-----|------------------------------------|-----|-----|
|         |              |                     |                       | Muzzle                                               | 100 | 200 | 300 | Muzzle                                                | 100 | 200 | 300 | 100                                | 200 | 300 |



7.62x51 Subsonic

#### 7.62x51 SUBSONIC INTENDED FOR USE IN 1:10" OR FASTER

PPS762 200 FMJBT 0.429 1050 997 953 916 490 441 403 373 0 -33.5 -105.2

# MIL-SPEC LINE

The 5.56x45mm, 7.62x51 and 9X19 NATO are the most commonly used rifle cartridges in the United States. PPU manufactures both calibers using the highest grade materials and quality production control, ensuring precision performance along with proper feeding in bolt action and semi-automatic rifles.



| Caliber | TRZ Load No. | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |     |     |     | Bullet Striking Energy in ft-lbs at Yardage Indicated |     |     |     | Bullet Path Above/ Below Sight Line |     |     |
|---------|--------------|----------------------|-----------------------|------------------------------------------------------|-----|-----|-----|-------------------------------------------------------|-----|-----|-----|-------------------------------------|-----|-----|
|         |              |                      |                       | Muzzle                                               | 100 | 200 | 300 | Muzzle                                                | 100 | 200 | 300 | 100                                 | 200 | 300 |



### 5.56x45mm

|                                     |           |          |       |      |      |      |      |      |      |     |     |   |      |       |
|-------------------------------------|-----------|----------|-------|------|------|------|------|------|------|-----|-----|---|------|-------|
| 5.56x45mm M193 (20rds)              | PPN5561   | 55 FMJBT | 0.248 | 3240 | 2865 | 2495 | 2145 | 1282 | 1002 | 761 | 563 | 0 | -3.4 | -12.4 |
| 5.56x45mm M193 Bulk Pack (1000rds)  | PPN5561B  | 55 FMJBT | 0.248 | 3240 | 2865 | 2495 | 2145 | 1282 | 1002 | 761 | 563 | 0 | -3.4 | -12.4 |
| 5.56x45mm M193 Metal Can (1000rds)  | PPN5561MC | 55 FMJBT | 0.248 | 3240 | 2865 | 2495 | 2145 | 1282 | 1002 | 761 | 563 | 0 | -3.4 | -12.4 |
| 5.56x45mm M193 Battle Pack (200rds) | PPN5561BP | 55 FMJBT | 0.248 | 3240 | 2865 | 2495 | 2145 | 1282 | 1002 | 761 | 563 | 0 | -3.4 | -12.4 |
| 5.56x45mm M855 (20rds)              | PPN5562   | 62 FMJBT | 0.361 | 3050 | 2785 | 2535 | 2300 | 1281 | 1068 | 886 | 728 | 0 | -3.6 | -12.6 |
| 5.56x45mm M855 Bulk Pack (1000rds)  | PPN5562B  | 62 FMJBT | 0.361 | 3050 | 2785 | 2535 | 2300 | 1281 | 1068 | 886 | 728 | 0 | -3.6 | -12.6 |
| 5.56x45mm M855 Metal Can (1000rds)  | PPN5562MC | 62 FMJBT | 0.361 | 3050 | 2785 | 2535 | 2300 | 1281 | 1068 | 886 | 728 | 0 | -3.6 | -12.6 |
| 5.56x45mm M855 Battle Pack (200rds) | PPN5562BP | 62 FMJBT | 0.361 | 3050 | 2785 | 2535 | 2300 | 1281 | 1068 | 886 | 728 | 0 | -3.6 | -12.6 |



### 7.62x51

|                                  |          |           |       |      |      |      |      |      |      |      |      |   |      |       |
|----------------------------------|----------|-----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| 7.62x51 M80 (20rds)              | PPN762   | 145 FMJBT | 0.404 | 2835 | 2610 | 2395 | 2190 | 2587 | 2193 | 1847 | 1546 | 0 | -3.6 | -13.3 |
| 7.62x51 M80 Bulk Pack (500rds)   | PPN762B  | 145 FMJBT | 0.404 | 2835 | 2610 | 2395 | 2190 | 2587 | 2193 | 1847 | 1546 | 0 | -3.6 | -13.3 |
| 7.62x51 M80 Metal Can (500rds)   | PPN762MC | 145 FMJBT | 0.404 | 2835 | 2610 | 2395 | 2190 | 2587 | 2193 | 1847 | 1546 | 0 | -3.6 | -13.3 |
| 7.62x51 M80 Battle Pack (200rds) | PPN762BP | 145 FMJBT | 0.404 | 2835 | 2610 | 2395 | 2190 | 2587 | 2193 | 1847 | 1546 | 0 | -3.6 | -13.3 |

| Caliber | TRZ Load No. | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |    |    | Bullet Striking Energy in ft-lbs at Yardage Indicated |    |    | Bullet Path Above/ Below Sight Line |    |     |
|---------|--------------|----------------------|-----------------------|------------------------------------------------------|----|----|-------------------------------------------------------|----|----|-------------------------------------|----|-----|
|         |              |                      |                       | Muzzle                                               | 25 | 50 | Muzzle                                                | 25 | 50 | 25                                  | 50 | 100 |



### 9x19

|                                           |       |         |       |      |      |      |     |     |     |   |      |      |
|-------------------------------------------|-------|---------|-------|------|------|------|-----|-----|-----|---|------|------|
| <b>NEW</b> 9x19 NATO (50rds)              | PPN9  | 115 FMJ | 0.169 | 1263 | 1197 | 1140 | 439 | 394 | 358 | 0 | -1.6 | -8.9 |
| <b>NEW</b> 9x19 NATO Metal Can (1000rds)  | PPNMC | 115 FMJ | 0.169 | 1263 | 1197 | 1140 | 439 | 394 | 358 | 0 | -1.6 | -8.9 |
| <b>NEW</b> 9x19 NATO Battle Pack (200rds) | PPNBP | 115 FMJ | 0.169 | 1263 | 1197 | 1140 | 439 | 394 | 358 | 0 | -1.6 | -8.9 |

Some calibers are available in different packaging:



NATO Standard M2A1 Metal case **1**

**2** PVC battle packs, airtight and waterproof for long-term storage



# THUNDER AMMUNITION



Thunder ammunition is performance driven hunting ammunition that is both efficient and effective in fulfilling your hunting season needs. The balance of energy with lightning speed velocity and bullets designed to hit hard and evenly mushroom out while maintaining bullet weight coefficients are the highlights of this line. Thunder ammunition delivers performance and your favorite game on your dinner table.



| Caliber                                                                             | TRZ Load No.                  | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |      |      | Bullet Path Above/ Below Sight Line |      |       |
|-------------------------------------------------------------------------------------|-------------------------------|----------------------|-----------------------|------------------------------------------------------|------|------|------|-------------------------------------------------------|------|------|------|-------------------------------------|------|-------|
|                                                                                     |                               |                      |                       | Muzzle                                               | 100  | 200  | 300  | Muzzle                                                | 100  | 200  | 300  | 100                                 | 200  | 300   |
|  | <b>.308 WINCHESTER</b>        |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| .308 Winchester                                                                     | PPT308                        | 170 Thunder          | 0.407                 | 2646                                                 | 2431 | 2229 | 2023 | 2600                                                  | 2192 | 1837 | 1526 | 0                                   | -4.4 | -15.9 |
|  | <b>.30-06 SPRINGFIELD</b>     |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| .30-06 Springfield                                                                  | PPT3006                       | 170 Thunder          | 0.367                 | 2784                                                 | 2539 | 2339 | 2130 | 2860                                                  | 2419 | 2021 | 1692 | 0                                   | -3.9 | -14.4 |
|  | <b>.300 WINCHESTER MAGNUM</b> |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| .300 Winchester Magnum                                                              | PPT3006                       | 170 Thunder          | 0.465                 | 2995                                                 | 2791 | 2562 | 2345 | 3380                                                  | 2849 | 2514 | 2021 | 0                                   | -3.0 | -11.1 |
|  | <b>7mm MAUSER</b>             |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 7mm Mauser                                                                          | PPT7                          | 158 Thunder          | 0.558                 | 2503                                                 | 2350 | 2222 | 2089 | 2364                                                  | 2110 | 1869 | 1661 | 0                                   | -4.8 | -16.9 |
|  | <b>7mm REMINGTON MAGNUM</b>   |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 7mm Remington Magnum                                                                | PPTRM                         | 158 Thunder          | 0.482                 | 2930                                                 | 2736 | 2546 | 2396 | 3071                                                  | 2692 | 2360 | 2038 | 0                                   | -3.1 | -12.0 |
|  | <b>8mm MAUSER</b>             |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 8mm Mauser                                                                          | PPT8                          | 185 Thunder          | 0.351                 | 2485                                                 | 2183 | 1907 | 1649 | 2674                                                  | 2049 | 1562 | 1198 | 0                                   | -5.3 | -18.5 |



# MATCH AMMUNITION

PPU Match line ammunition is designed for precise shooting at both short and long ranges. The exceptional accuracy of PPU Match ammunition is the result of special production and control processes which demand holding very narrow tolerances. We use reliable primers of extreme consistency and carefully chosen powders for loading, ensuring uniform ballistics. Our rigorous final testing and inspection ensure that customers get only the best ammunition which completely fulfills their expectations.





| Caliber                                                                             | TRZ Load No.                  | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |      |      | Bullet Path Above/ Below Sight Line |      |       |
|-------------------------------------------------------------------------------------|-------------------------------|----------------------|-----------------------|------------------------------------------------------|------|------|------|-------------------------------------------------------|------|------|------|-------------------------------------|------|-------|
|                                                                                     |                               |                      |                       | Muzzle                                               | 100  | 200  | 300  | Muzzle                                                | 100  | 200  | 300  | 100                                 | 200  | 300   |
|  | <b>.223 REMINGTON MATCH</b>   |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| .223 Remington Match                                                                | PPM2231                       | 69 HPBT              | 0.309                 | 2855                                                 | 2555 | 2275 | 2025 | 1248                                                  | 1001 | 794  | 627  | 0                                   | -3.8 | -14.4 |
| .223 Remington Match                                                                | PPM2232                       | 75 HPBT              | 0.351                 | 2720                                                 | 2500 | 2290 | 2090 | 1232                                                  | 1040 | 872  | 726  | 0                                   | -4.1 | -14.8 |
|  | <b>.308 WINCHESTER MATCH</b>  |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| .308 Winchester Match                                                               | PPM3082                       | 168 HPBT             | 0.450                 | 2610                                                 | 2415 | 2230 | 2050 | 2541                                                  | 2176 | 1853 | 1565 | 0                                   | -4.5 | -15.9 |
| .308 Winchester Match                                                               | PPM3083                       | 175 FMJBT            | 0.496                 | 2590                                                 | 2415 | 2245 | 2085 | 2606                                                  | 2265 | 1961 | 1689 | 0                                   | -4.5 | -15.9 |
| .308 Winchester Match                                                               | PPM3081                       | 155 HPBT             | 0.450                 | 2788                                                 | 2569 | 2359 | 2158 | 2676                                                  | 2271 | 1916 | 1606 | 0                                   | -3.7 | -13.5 |
|  | <b>6.5x55mm SWEDISH MATCH</b> |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 6.5x55mm Swedish Match                                                              | PPM6                          | 120 HPBT             | 0.400                 | 2720                                                 | 2465 | 2253 | 2031 | 1989                                                  | 1661 | 1380 | 1128 | 0                                   | -4.1 | -14.4 |
|  | <b>7.62x54R MATCH</b>         |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 7.62x54R Match                                                                      | PPM7                          | 182 FMJBT            | 0.520                 | 2626                                                 | 2455 | 2295 | 2140 | 2784                                                  | 2438 | 2127 | 1847 | 0                                   | -4.3 | -15.2 |
|  | <b>8mm MAUSER MATCH</b>       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 8mm Mauser Match                                                                    | PPM8                          | 200 FMJBT            | 0.521                 | 2180                                                 | 2025 | 1875 | 1735 | 2110                                                  | 1819 | 1559 | 1334 | 0                                   | -6.8 | -23.9 |
|  | <b>338 LAPUA MAGNUM</b>       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |
| 338 Lapua Magnum Match                                                              | PPM338                        | 240 Solid            | 0.643                 | 2985                                                 | 2837 | 2694 | 2556 | 4748                                                  | 4289 | 3868 | 3481 | 0                                   | -2.8 | -10.4 |



# STANDARD RIFLE AMMUNITION

We are proud to present our extensive line of rifle ammunition designed specially for big game hunting. Only the best quality components were used during production to ensure that our cartridges are accurate, dependable and effective. Our constant quality improvements are based on the continual feedback from our customers which help us to continue to provide an accurate, dependable and effective round.



| Caliber                                                                             | TRZ Load No.                 | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |      |      | Bullet Path Above/ Below Sight Line |       |       |
|-------------------------------------------------------------------------------------|------------------------------|----------------------|-----------------------|------------------------------------------------------|------|------|------|-------------------------------------------------------|------|------|------|-------------------------------------|-------|-------|
|                                                                                     |                              |                      |                       | Muzzle                                               | 100  | 200  | 300  | Muzzle                                                | 100  | 200  | 300  | 100                                 | 200   | 300   |
|    | <b>.22 HORNET</b>            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .22 Hornet                                                                          | PP22H                        | 45 SP                | 0.136                 | 2430                                                 | 1845 | 1375 | 1070 | 590                                                   | 341  | 188  | 115  | 0                                   | -9.1  | -37.2 |
|    | <b>.222 REMINGTON</b>        |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .222 Remington                                                                      | PP222                        | 50 SP                | 0.217                 | 3140                                                 | 2700 | 2305 | 1940 | 1095                                                  | 810  | 589  | 418  | 0                                   | -3.3  | -13.1 |
|    | <b>.22-250 REMINGTON</b>     |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .22-250 Remington                                                                   | PP22250                      | 55 SP                | 0.212                 | 3680                                                 | 3170 | 2720 | 2310 | 1655                                                  | 1229 | 903  | 651  | 0                                   | -2    | -8.7  |
|    | <b>.223 REMINGTON</b>        |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .223 Remington                                                                      | PP223S                       | 55 SP                | 0.239                 | 3240                                                 | 2830 | 2455 | 2110 | 1282                                                  | 978  | 736  | 544  | 0                                   | -2.9  | -11.6 |
| .223 Remington                                                                      | PP223F1                      | 55 FMJBT             | 0.248                 | 3240                                                 | 2865 | 2495 | 2145 | 1282                                                  | 1002 | 761  | 563  | 0                                   | -3.4  | -11.4 |
| .223 Remington                                                                      | PP223F2                      | 62 FMJBT             | 0.295                 | 3042                                                 | 2771 | 2508 | 2286 | 1270                                                  | 1052 | 868  | 699  | 0                                   | -3.6  | -12.9 |
|    | <b>.243 WINCHESTER</b>       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .243 Winchester                                                                     | PP2431                       | 90 SP                | 0.333                 | 3100                                                 | 2810 | 2540 | 2285 | 1921                                                  | 1579 | 1289 | 1043 | 0                                   | -2.9  | -11.2 |
| .243 Winchester                                                                     | PP2432                       | 100 SP               | 0.367                 | 2960                                                 | 2705 | 2465 | 2235 | 1945                                                  | 1627 | 1348 | 1107 | 0                                   | -3.2  | -12.2 |
|   | <b>.270 WINCHESTER</b>       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .270 Winchester                                                                     | PP2701                       | 130 SP               | 0.376                 | 3060                                                 | 2805 | 2565 | 2340 | 2703                                                  | 2274 | 1902 | 1580 | 0                                   | -3    | -11.1 |
| .270 Winchester                                                                     | PP2702                       | 150 SP               | 0.351                 | 2850                                                 | 2590 | 2350 | 2120 | 2705                                                  | 2238 | 1837 | 1495 | 0                                   | -2.4  | -13.7 |
|  | <b>.25-06 REMINGTON</b>      |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .25-06 Remington                                                                    | PP2506H                      | 90 HP                | 0.261                 | 3398                                                 | 3006 | 2640 | 2329 | 2351                                                  | 1839 | 1416 | 1073 | 0                                   | -2.4  | -9.7  |
| .25-06 Remington                                                                    | PP2506P                      | 100 PSP              | 0.290                 | 3230                                                 | 2890 | 2575 | 2280 | 2316                                                  | 1854 | 1472 | 1154 | 0                                   | -2.7  | -10.6 |
|  | <b>264 WINCHESTER MAGNUM</b> |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 264 Winchester Magnum                                                               | PP264                        | 140 PSP              | 0.454                 | 3018                                                 | 2808 | 2611 | 2421 | 2832                                                  | 2453 | 2119 | 1820 | 0                                   | -2.1  | -10.7 |
|  | <b>.30 CARBINE</b>           |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .30 Carbine                                                                         | PP30S                        | 110 SPRN             | 0.176                 | 1990                                                 | 1575 | 1250 | 1060 | 967                                                   | 606  | 383  | 272  | 0                                   | -12.7 | -47.8 |
| .30 Carbine                                                                         | PP30F                        | 110 FMJRN            | 0.182                 | 1990                                                 | 1600 | 1280 | 1070 | 967                                                   | 624  | 401  | 281  | 0                                   | -12.9 | -47.2 |
|  | <b>.308 WINCHESTER</b>       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .308 Winchester                                                                     | PP3081                       | 150 SP               | 0.323                 | 2820                                                 | 2540 | 2270 | 2025 | 2648                                                  | 2145 | 1719 | 1363 | 0                                   | -3.9  | -14.6 |
| .308 Winchester                                                                     | PP3082                       | 165 PSPBT            | 0.406                 | 2675                                                 | 2455 | 2250 | 2055 | 2621                                                  | 2211 | 1856 | 1549 | 0                                   | -4.3  | -15.5 |
| .308 Winchester                                                                     | PP3083                       | 180 SP               | 0.418                 | 2545                                                 | 2340 | 2140 | 1955 | 2589                                                  | 2186 | 1834 | 1527 | 0                                   | -4.9  | -17.2 |
|  | <b>.30-30 WINCHESTER</b>     |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| .30-30 Winchester                                                                   | PP30301                      | 150 FSP              | 0.226                 | 2390                                                 | 2030 | 1710 | 1425 | 1902                                                  | 1375 | 972  | 678  | 0                                   | -7    | -26.1 |
| .30-30 Winchester                                                                   | PP30302                      | 170 FSP              | 0.264                 | 2200                                                 | 1905 | 1635 | 1400 | 1827                                                  | 1368 | 1012 | 742  | 0                                   | -8.3  | -29.5 |

| Caliber | TRZ<br>Load<br>No. | Bullet<br>Weight/<br>Style | Ballistic<br>Coefficient | Bullet Striking Velocity<br>in FPS at Yardage Indicated |     |     |     | Bullet Striking Energy<br>in ft-lbs at Yardage Indicated |     |     |     | Bullet Path Above/<br>Below Sight Line |     |     |
|---------|--------------------|----------------------------|--------------------------|---------------------------------------------------------|-----|-----|-----|----------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|
|         |                    |                            |                          | Muzzle                                                  | 100 | 200 | 300 | Muzzle                                                   | 100 | 200 | 300 | 100                                    | 200 | 300 |



.30-06 SPRINGFIELD

|                                                   |           |           |       |      |      |      |      |      |      |      |      |   |      |       |
|---------------------------------------------------|-----------|-----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>.30-06 Springfield for M1 Garand Metal Can</b> | PP3006GMC | 150 FMJ   | 0.401 | 2745 | 2522 | 2311 | 2120 | 2500 | 2121 | 1784 | 1488 | 0 | -4   | -14.5 |
| <b>.30-06 Springfield for M1 Garand (20rds)</b>   | PP3006G   | 150 FMJ   | 0.401 | 2745 | 2522 | 2311 | 2120 | 2500 | 2121 | 1784 | 1488 | 0 | -4   | -14.5 |
| <b>.30-06 Springfield</b>                         | PP3006I   | 150 SP    | 0.342 | 2910 | 2635 | 2385 | 2145 | 2820 | 2313 | 1891 | 1533 | 0 | -3.5 | -13.2 |
| <b>.30-06 Springfield</b>                         | PP30062   | 165 PSPBT | 0.404 | 2800 | 2575 | 2365 | 2160 | 2872 | 2431 | 2045 | 1713 | 0 | -3.7 | -13.7 |
| <b>.30-06 Springfield</b>                         | PP30063   | 180 SP    | 0.412 | 2700 | 2485 | 2280 | 2085 | 2913 | 2465 | 2080 | 1741 | 0 | -4.1 | -15   |



.300 AAC BLACKOUT

|                          |         |          |       |      |      |      |      |      |      |     |     |   |      |       |
|--------------------------|---------|----------|-------|------|------|------|------|------|------|-----|-----|---|------|-------|
| <b>.300 AAC Blackout</b> | PP300BF | 125 FMJ  | 0.325 | 2198 | 1935 | 1696 | 1486 | 1340 | 1038 | 797 | 611 | 0 | -2.7 | -24.8 |
| <b>.300 AAC Blackout</b> | PP300BH | 125 HPBT | 0.322 | 2198 | 1935 | 1696 | 1486 | 1340 | 1038 | 797 | 611 | 0 | -2.7 | -24.8 |



.300 WINCHESTER MAGNUM

|                               |        |          |       |      |      |      |      |      |      |      |      |   |      |       |
|-------------------------------|--------|----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>.300 Winchester Magnum</b> | PP300I | 150 SP   | 0.338 | 3250 | 2955 | 2675 | 2420 | 3518 | 2905 | 2385 | 1951 | 0 | -2.5 | -9.8  |
| <b>.300 Winchester Magnum</b> | PP3002 | 165 SPBT | 0.408 | 3050 | 2815 | 2590 | 2375 | 3408 | 2899 | 2454 | 2065 | 0 | -2.9 | -11   |
| <b>.300 Winchester Magnum</b> | PP3003 | 180 SP   | 0.411 | 2905 | 2675 | 2465 | 2260 | 3373 | 2865 | 2425 | 2043 | 0 | -3.3 | -12.5 |



.303 BRITISH

|                     |         |           |       |      |      |      |      |      |      |      |      |   |      |       |
|---------------------|---------|-----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>.303 British</b> | PP303S1 | 150 SPBT  | 0.352 | 2690 | 2440 | 2236 | 2029 | 2895 | 2445 | 2032 | 1705 | 0 | -3.7 | -14.1 |
| <b>.303 British</b> | PP303S2 | 180 SPBT  | 0.512 | 2460 | 2295 | 2135 | 1980 | 2418 | 2102 | 1818 | 1565 | 0 | -5.1 | -17.9 |
| <b>.303 British</b> | PP303F  | 174 FMJBT | 0.478 | 2400 | 2225 | 2060 | 1900 | 2238 | 1926 | 1648 | 1402 | 0 | -5.5 | -19.3 |



338 LAPUA MAGNUM

|                         |        |           |       |      |      |      |      |      |      |      |      |   |      |       |
|-------------------------|--------|-----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>338 Lapua Magnum</b> | PP338F | 250 FMJBT | 0.605 | 2995 | 2810 | 2675 | 2540 | 4847 | 4389 | 3968 | 3579 | 0 | -2.9 | -10.7 |
| <b>338 Lapua Magnum</b> | PP338H | 250 HPBT  | 0.603 | 2995 | 2810 | 2675 | 2540 | 4847 | 4389 | 3968 | 3579 | 0 | -2.9 | -10.7 |



.375 H&H MAGNUM

|                            |        |          |       |      |      |      |      |      |      |      |      |   |      |       |
|----------------------------|--------|----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>.375 H&amp;H Magnum</b> | PP375S | 300 SPRN | 0.254 | 2530 | 2200 | 1895 | 1620 | 4263 | 3221 | 2387 | 1745 | 0 | -5.7 | -21.4 |
| <b>.375 H&amp;H Magnum</b> | PP375F | 300 FMJ  | 0.254 | 2460 | 2135 | 1835 | 1565 | 4031 | 3034 | 2240 | 1634 | 0 | -6.1 | -22.9 |



45-70 GOVERNMENT

|                         |        |          |       |      |      |     |     |      |      |     |     |   |       |       |
|-------------------------|--------|----------|-------|------|------|-----|-----|------|------|-----|-----|---|-------|-------|
| <b>45-70 Government</b> | PP4570 | 405 SJFP | 0.198 | 1328 | 1112 | 997 | 912 | 1587 | 1129 | 892 | 749 | 0 | -16.5 | -81.4 |
|-------------------------|--------|----------|-------|------|------|-----|-----|------|------|-----|-----|---|-------|-------|



7mm REMINGTON MAGNUM

|                             |        |           |       |      |      |      |      |      |      |      |      |   |      |       |
|-----------------------------|--------|-----------|-------|------|------|------|------|------|------|------|------|---|------|-------|
| <b>7mm Remington Magnum</b> | PP7RM1 | 140 PSPBT | 0.396 | 3110 | 2865 | 2645 | 2435 | 2987 | 2555 | 2176 | 1843 | 0 | -2.8 | -10.4 |
| <b>7mm Remington Magnum</b> | PP7RM2 | 174 PSPBT | 0.534 | 2770 | 2600 | 2435 | 2280 | 2964 | 2610 | 2295 | 2010 | 0 | -3.6 | -13.1 |

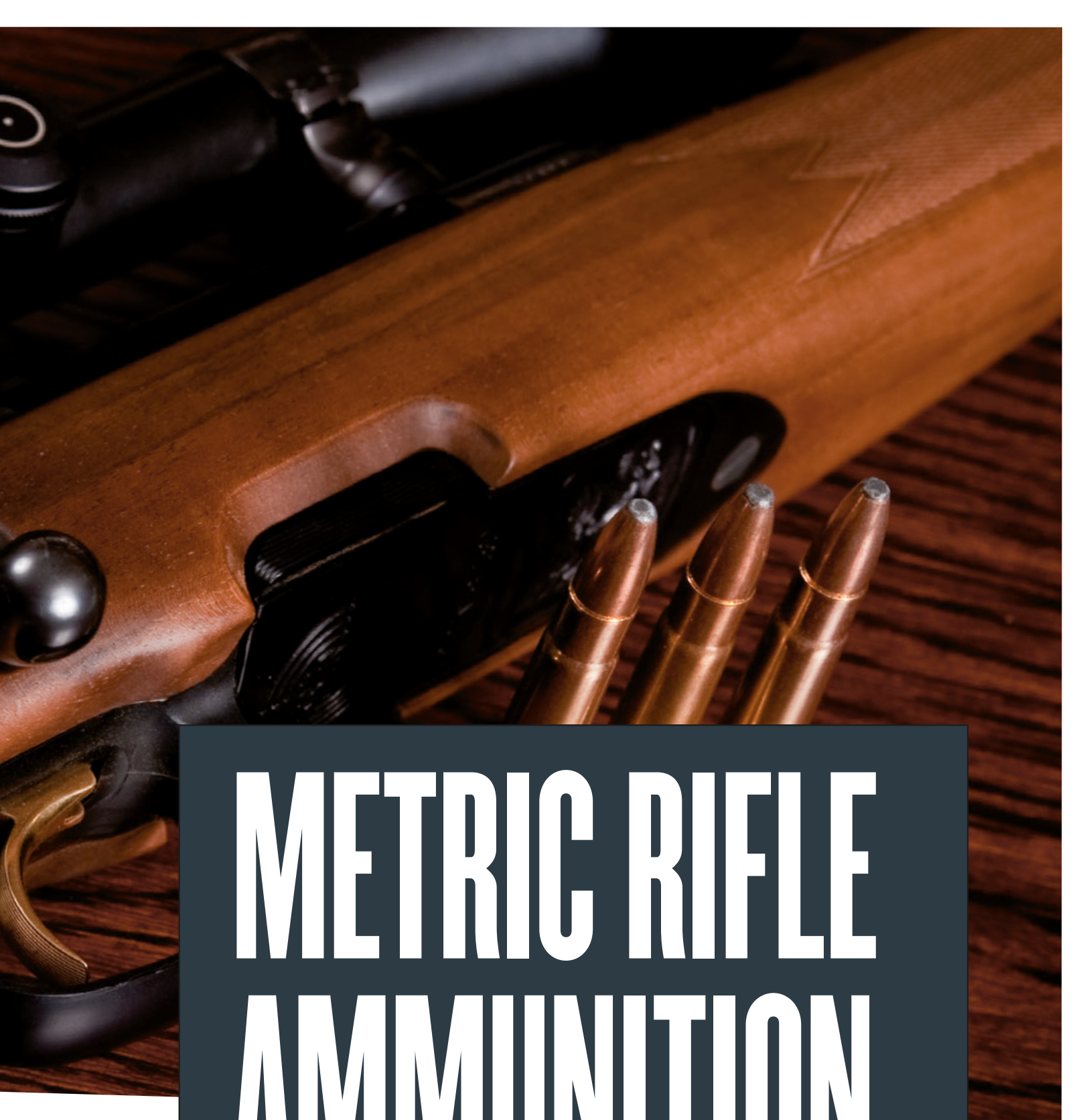


6.8mm REMINGTON SPC

|                            |       |           |       |      |      |      |      |      |      |      |     |   |       |       |
|----------------------------|-------|-----------|-------|------|------|------|------|------|------|------|-----|---|-------|-------|
| <b>6.8mm Remington SPC</b> | PP68F | 115 FMJBT | 0.320 | 2624 | 2312 | 2017 | 1755 | 1759 | 1360 | 1039 | 780 | 0 | -3.58 | -17.5 |
| <b>6.8mm Remington SPC</b> | PP68H | 115 HPBT  | 0.279 | 2624 | 2306 | 2011 | 1739 | 1759 | 1355 | 1030 | 769 | 0 | -3.62 | -19.1 |

**METRIC**  
RIFLE CALIBERS





# METRIC RIFLE AMMUNITION

By popular demand, we have established a series of the highest quality metric rifle loadings to accommodate the large assortment of foreign military and commercial firearms that have been entering the U.S. market since WWII.

| Caliber                                                                             | TRZ Load No.             | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |      |      | Bullet Path Above/ Below Sight Line |       |       |
|-------------------------------------------------------------------------------------|--------------------------|----------------------|-----------------------|------------------------------------------------------|------|------|------|-------------------------------------------------------|------|------|------|-------------------------------------|-------|-------|
|                                                                                     |                          |                      |                       | Muzzle                                               | 100  | 200  | 300  | Muzzle                                                | 100  | 200  | 300  | 100                                 | 200   | 300   |
|    | 6mm REMINGTON            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 6mm Remington                                                                       | PP6R                     | 100 SP               | 0.315                 | 3100                                                 | 2795 | 2509 | 2237 | 2134                                                  | 1735 | 1399 | 1117 | 0                                   | -2.08 | -11.4 |
|    | 6.5X52mm CARCANO         |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 6.5x52mm Carcano                                                                    | PP6CS                    | 123 SP               | 0.375                 | 2690                                                 | 2450 | 2225 | 2020 | 1977                                                  | 1640 | 1351 | 1112 | 0                                   | -4.3  | -15.6 |
| 6.5x52mm Carcano                                                                    | PPCF                     | 139 FMJBT            | 0.536                 | 2525                                                 | 2365 | 2205 | 2055 | 1968                                                  | 1723 | 1503 | 1306 | 0                                   | -4.7  | -16.6 |
|    | 6.5X55mm SWEDISH         |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 6.5x55mm Swedish                                                                    | PP6SWS                   | 139 SPBT             | 0.491                 | 2540                                                 | 2365 | 2195 | 2035 | 1991                                                  | 1726 | 1490 | 1279 | 0                                   | -5.4  | -17.9 |
| 6.5x55mm Swedish                                                                    | PP6SWF                   | 139 FMJBT            | 0.522                 | 2540                                                 | 2375 | 2220 | 2070 | 1991                                                  | 1744 | 1522 | 1323 | 0                                   | -5.3  | -17.7 |
|    | 6.5X54mm MANN-SCHOENAUER |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 6.5x54mm Mann-Schoenauer                                                            | PP6MS                    | 156 SPRN             | 0.329                 | 2395                                                 | 2145 | 1905 | 1690 | 1987                                                  | 1591 | 1258 | 987  | 0                                   | -6    | -21.9 |
|    | 6.5x57 MAUSER            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 6.5x57 Mauser                                                                       | PP6M                     | 139 SPBT             | 0.366                 | 2591                                                 | 2355 | 2132 | 1922 | 2073                                                  | 1729 | 1403 | 1138 | 0                                   | -3.2  | -16.5 |
|  | 7mm-08 REMINGTON         |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7mm-08 Remington                                                                    | PP708                    | 140 PSPBT            | 0.397                 | 2860                                                 | 2630 | 2410 | 2200 | 2543                                                  | 2148 | 1804 | 1505 | 0                                   | -3.5  | -13.1 |
|  | 7mm MAUSER               |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7mm Mauser                                                                          | PP7                      | 139 SP               | 0.398                 | 2660                                                 | 2440 | 2230 | 2030 | 2184                                                  | 1836 | 1533 | 1270 | 0                                   | -4.4  | -15.8 |
|  | 7x57R                    |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7x57R                                                                               | PP757                    | 139 SP               | 0.328                 | 2591                                                 | 2329 | 2083 | 1853 | 2073                                                  | 1675 | 1340 | 1059 | 0                                   | -4.5  | -15.9 |
|  | 7.5X54mm FRENCH          |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7.5x54mm French                                                                     | PP7F                     | 139 FMJ              | 0.344                 | 2600                                                 | 2350 | 2110 | 1890 | 2086                                                  | 1703 | 1377 | 1101 | 0                                   | -4.8  | -17.5 |
|  | 7.5x55mm SWISS           |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7.5x55mm Swiss                                                                      | PP7SS                    | 174 SP               | 0.417                 | 2525                                                 | 2320 | 2125 | 1940 | 2477                                                  | 2091 | 1753 | 1459 | 0                                   | -5    | -17.5 |
| 7.5x55mm Swiss                                                                      | PP7SF                    | 174 FMJBT            | 0.476                 | 2525                                                 | 2345 | 2175 | 2020 | 2477                                                  | 2138 | 1837 | 1569 | 0                                   | -4.9  | -17   |
|  | 7.62x39mm                |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |       |       |
| 7.62x39mm                                                                           | PP76239S                 | 123 SPRN             | 0.257                 | 2350                                                 | 2035 | 1750 | 1495 | 1508                                                  | 1132 | 835  | 609  | 0                                   | -7    | -25.4 |
| 7.62x39mm                                                                           | PP76239F                 | 123 FMJ              | 0.271                 | 2350                                                 | 2050 | 1775 | 1530 | 1508                                                  | 1150 | 862  | 640  | 0                                   | -6.8  | -24.7 |
| 7.62x39mm                                                                           | PP76239P                 | 123 PSP              | 0.257                 | 2350                                                 | 2035 | 1750 | 1495 | 1508                                                  | 1132 | 835  | 609  | 0                                   | -7    | -25.4 |

| Caliber                                                                             | TRZ Load No.        | Bullet Weight/ Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |      |      | Bullet Path Above/ Below Sight Line |      |       |  |
|-------------------------------------------------------------------------------------|---------------------|----------------------|-----------------------|------------------------------------------------------|------|------|------|-------------------------------------------------------|------|------|------|-------------------------------------|------|-------|--|
|                                                                                     |                     |                      |                       | Muzzle                                               | 100  | 200  | 300  | Muzzle                                                | 100  | 200  | 300  | 100                                 | 200  | 300   |  |
|    | 7.62x54R            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 7.62x54R                                                                            | PP76254S            | 150 SPBT             | 0.354                 | 2840                                                 | 2585 | 2340 | 2110 | 2686                                                  | 2223 | 1825 | 1486 | 0                                   | -3.6 | -13.7 |  |
| 7.62x54R                                                                            | PP76254F            | 182 FMJBT            | 0.473                 | 2625                                                 | 2440 | 2265 | 2100 | 2784                                                  | 2410 | 2076 | 1780 | 0                                   | -4.9 | -15.5 |  |
|    | 7x64                |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 7x64                                                                                | PP764               | 140 PSPBT            | 0.404                 | 2837                                                 | 2611 | 2395 | 2188 | 2504                                                  | 2119 | 1782 | 1490 | 0                                   | -2.4 | 13.0  |  |
|    | 7.65x53mm ARGENTINE |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 7.65x53mm Argentine                                                                 | PP7AS               | 180 SPBT             | 0.459                 | 2545                                                 | 2358 | 2180 | 2010 | 2589                                                  | 2223 | 1899 | 1612 | 0                                   | -4.8 | -16.9 |  |
| 7.65x53mm Argentine                                                                 | PP7AF               | 174 FMJBT            | 0.473                 | 2625                                                 | 2440 | 2265 | 2100 | 2661                                                  | 2303 | 1984 | 1700 | 0                                   | -4.3 | -15.5 |  |
|    | 7.9x33mm KURZ       |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 7.9x33mm Kurz                                                                       | PP7K                | 124 FMJ              | 0.250                 | 2250                                                 | 1935 | 1650 | 1405 | 1394                                                  | 1031 | 751  | 542  | 0                                   | -8.6 | -29.9 |  |
|    | 8mm MAUSER          |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 8mm Mauser                                                                          | PP8S                | 196 SP               | 0.350                 | 2460                                                 | 2221 | 1996 | 1786 | 2634                                                  | 2147 | 1734 | 1388 | 0                                   | -5.6 | -19.9 |  |
| 8mm Mauser                                                                          | PP8F                | 198 FMJBT            | 0.559                 | 2425                                                 | 2275 | 2135 | 1995 | 2585                                                  | 2279 | 2003 | 1753 | 0                                   | -5.2 | -18.1 |  |
|  | 8x57 IRS            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 8x57 IRS                                                                            | PP857I              | 196 SP               | 0.321                 | 2395                                                 | 2139 | 1896 | 1676 | 2495                                                  | 1989 | 1565 | 1222 | 0                                   | -6.1 | -21.4 |  |
|  | 8x51R LEBEL         |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 8x51R Lebel                                                                         | PP8L                | 200 FMJBT            | 0.568                 | 2300                                                 | 2155 | 2020 | 1885 | 2349                                                  | 2065 | 1808 | 1577 | 0                                   | -6.5 | -21.4 |  |
|  | 8x56RSmm MANNLICHER |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 8x56RSmm Mannlicher                                                                 | PP856S              | 208 SP               | 0.477                 | 2300                                                 | 2130 | 1965 | 1805 | 2443                                                  | 2092 | 1781 | 1508 | 0                                   | -6.1 | -21.2 |  |
| 8x56RSmm Mannlicher                                                                 | PP856F              | 208 FMJBT            | 0.507                 | 2300                                                 | 2140 | 1985 | 1835 | 2443                                                  | 2114 | 1822 | 1563 | 0                                   | -6   | -20.8 |  |
|  | 9.3x62mm            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 9.3x62mm                                                                            | PP9362              | 285 SP               | 0.332                 | 2265                                                 | 2025 | 1800 | 1595 | 3246                                                  | 2597 | 2052 | 1610 | 0                                   | -7   | -24.8 |  |
|  | 9.3x74mm            |                      |                       |                                                      |      |      |      |                                                       |      |      |      |                                     |      |       |  |
| 9.3x74mm                                                                            | PP9374              | 285 SP               | 0.332                 | 2265                                                 | 2025 | 1800 | 1595 | 3246                                                  | 2597 | 2052 | 1610 | 0                                   | -7   | -24.8 |  |

# HANDGUN

PPU handgun ammunition is available in many popular calibers for pistols and revolver style handguns. Our handgun ammunition is brass cased, non-corrosive boxer primed and features our improved bullet designs which result in greater energy performance, bullet expansion and reliability.



| Caliber                                                                             | TRZ Load No.            | Bullet Weight/Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |     |     | Bullet Path Above/Below Sight Line |      |       |
|-------------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|------------------------------------------------------|------|------|-------------------------------------------------------|-----|-----|------------------------------------|------|-------|
|                                                                                     |                         |                     |                       | Muzzle                                               | 25   | 50   | Muzzle                                                | 25  | 50  | 25                                 | 50   | 100   |
|    | 22 REMINGTON JET        |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| 22 Remington Jet                                                                    | PPH22RJ                 | 45 SP               | 0.142                 | 1950                                                 | 1902 | 1804 | 519                                                   | 451 | 388 | 0                                  | -4.2 | -     |
|    | .25 AUTO                |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .25 Auto                                                                            | PPH25                   | 50 FMJ              | 0.120                 | 770                                                  | 748  | 725  | 65                                                    | 61  | 58  | 0                                  | -2.4 | -19.6 |
|    | .32 AUTO                |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .32 Auto                                                                            | PPH32AF                 | 71 FMJ              | 0.118                 | 902                                                  | 872  | 843  | 128                                                   | 120 | 111 | 0                                  | -1.4 | -13.4 |
| .32 Auto                                                                            | PP-R3.11                | 71 JHP              | 0.118                 | 902                                                  | 872  | 843  | 128                                                   | 120 | 111 | 0                                  | -1.4 | -13.4 |
|    | .32 SMITH & WESSON LONG |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .32 Smith & Wesson Long                                                             | PPH32SW                 | 98 LRN              | 0.152                 | 787                                                  | 770  | 754  | 128                                                   | 122 | 117 | 0                                  | -2.2 | -18.2 |
|    | .380 AUTO               |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .380 Auto                                                                           | PPH380AF                | 94 FMJ              | 0.138                 | 951                                                  | 922  | 892  | 191                                                   | 178 | 167 | 0                                  | -1.1 | -11.5 |
| .380 Auto                                                                           | PP-R3.21                | 94 JHP              | 0.138                 | 951                                                  | 922  | 892  | 191                                                   | 178 | 167 | 0                                  | -2.8 | -13.4 |
|  | .38 SPECIAL             |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .38 Special                                                                         | PPH38SL                 | 158 LRN             | 0.156                 | 902                                                  | 879  | 853  | 285                                                   | 269 | 255 | 0                                  | -1.3 | -13.0 |
| .38 Special                                                                         | PPH38SF                 | 130 FMJ             | 0.181                 | 1017                                                 | 980  | 951  | 298                                                   | 278 | 261 | 0                                  | -1.5 | -13.6 |
| .38 Special                                                                         | PPH38SS                 | 158 SWC             | 0.156                 | 902                                                  | 880  | 859  | 285                                                   | 271 | 259 | 0                                  | -1.5 | -14.0 |
|  | .38 SMITH & WESSON      |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .32 Smith & Wesson                                                                  | PPH38SW                 | 145 LRN             | 0.169                 | 689                                                  | 639  | 590  | 152                                                   | 133 | 112 | 0.0                                | -3.3 | -18.5 |
|  | .357 MAGNUM             |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .357 Magnum                                                                         | PPH357M1                | 158 SJHP            | 0.152                 | 1607                                                 | 1502 | 1400 | 906                                                   | 792 | 693 | 0.0                                | -1.9 | -7.1  |
| .357 Magnum                                                                         | PPH357M2                | 158 FPJ             | 0.175                 | 1607                                                 | 1502 | 1400 | 906                                                   | 792 | 693 | 0.0                                | -1.8 | -7.0  |
|  | .357 SIG                |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .357 SIG                                                                            | PPH357S                 | 125 FPJ             | 0.167                 | 1542                                                 | 1450 | 1219 | 660                                                   | 584 | 518 | 0                                  | -0.4 | -3.2  |
|  | .38 SUPER AUTO +P       |                     |                       |                                                      |      |      |                                                       |     |     |                                    |      |       |
| .38 Super Auto +P                                                                   | PPH38SU                 | 130 FMJ             | 0.136                 | 1213                                                 | 1141 | 1085 | 425                                                   | 377 | 340 | 0                                  | -0.2 | -6.3  |



| Caliber                                                                             | TRZ Load No.                  | Bullet Weight / Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |      |     | Bullet Path Above/ Below Sight Line |      |       |
|-------------------------------------------------------------------------------------|-------------------------------|-----------------------|-----------------------|------------------------------------------------------|------|------|-------------------------------------------------------|------|-----|-------------------------------------|------|-------|
|                                                                                     |                               |                       |                       | Muzzle                                               | 25   | 50   | Muzzle                                                | 25   | 50  | 25                                  | 50   | 100   |
|    | <b>.40 SMITH &amp; WESSON</b> |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| .40 Smith & Wesson                                                                  | PP-R4.01                      | 180 JHP               | 0.139                 | 967                                                  | 935  | 915  | 374                                                   | 354  | 334 | 0                                   | -2.6 | -11.8 |
| .40 Smith & Wesson                                                                  | PPH401                        | 165 FPJ               | 0.150                 | 1000                                                 | 967  | 938  | 366                                                   | 342  | 323 | 0                                   | -2.4 | -10.6 |
|  | <b>.44 REMINGTON MAGNUM</b>   |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| .44 Remington Magnum                                                                | PPH44M1                       | 240 JHP               | 0.173                 | 1541                                                 | 1450 | 1364 | 1267                                                  | 1120 | 993 | 0.0                                 | -0.1 | -3.4  |
| .44 Remington Magnum                                                                | PPH44M2                       | 300 SJFP              | 0.205                 | 1279                                                 | 1217 | 1161 | 1090                                                  | 986  | 899 | 0.0                                 | -0.4 | -6.0  |
|  | <b>.45 AUTO</b>               |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| .45 Auto                                                                            | PPH45F                        | 230 FMJ               | 0.196                 | 836                                                  | 820  | 807  | 357                                                   | 343  | 331 | 0                                   | -2.1 | -16.5 |
| .45 Auto                                                                            | PP-R4.31                      | 185 SJHP              | 0.180                 | 935                                                  | 915  | 895  | 359                                                   | 343  | 329 | 0                                   | -1.5 | -12.8 |
|  | <b>7.63mm MAUSER</b>          |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| 7.63mm Mauser                                                                       | PPH763                        | 85 FMJ                | 0.164                 | 1510                                                 | 1419 | 1335 | 430                                                   | 388  | 337 | 0                                   | -0.9 | -5.2  |
|  | <b>7.62x25mm TOKAREV</b>      |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| 7.62x25mm Tokarev                                                                   | PPH7TF                        | 85 FMJ                | 0.159                 | 1720                                                 | 1614 | 1514 | 558                                                   | 492  | 433 | 0                                   | -0.5 | -8.2  |
| 7.62x25mm Tokarev                                                                   | PP-R7.01                      | 85 JHP                | 0.121                 | 1675                                                 | 1535 | 1405 | 529                                                   | 444  | 373 | 0                                   | -0.5 | -8.4  |
|  | <b>7.62 NAGANT</b>            |                       |                       |                                                      |      |      |                                                       |      |     |                                     |      |       |
| 7.62 Nagant                                                                         | PPH762N                       | 98 FPJ                | 0.157                 | 738                                                  | 723  | 709  | 119                                                   | 114  | 109 | 0.0                                 | -3.1 | -23.0 |



| Caliber                                                                             | TRZ Load No.     | Bullet Weight / Style | Ballistic Coefficient | Bullet Striking Velocity in FPS at Yardage Indicated |      |      | Bullet Striking Energy in ft-lbs at Yardage Indicated |     |     | Bullet Path Above/ Below Sight Line |      |       |
|-------------------------------------------------------------------------------------|------------------|-----------------------|-----------------------|------------------------------------------------------|------|------|-------------------------------------------------------|-----|-----|-------------------------------------|------|-------|
|                                                                                     |                  |                       |                       | Muzzle                                               | 25   | 50   | Muzzle                                                | 25  | 50  | 25                                  | 50   | 100   |
|    | 7.65 PARABELLUM  |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 7.65 Parabellum                                                                     | PPH765P          | 93 FMJ                | 0.154                 | 1279                                                 | 1204 | 1138 | 338                                                   | 298 | 267 | 0                                   | -0.4 | -6.5  |
|  | 9x18mm MAKAROV   |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 9x18mm Makarov                                                                      | PPH9MF           | 93 FMJ                | 0.105                 | 1050                                                 | 995  | 951  | 228                                                   | 205 | 187 | 0                                   | -1.1 | -10.7 |
| 9x18mm Makarov                                                                      | PP-R9.41         | 95 JHP                | 0.110                 | 1015                                                 | 970  | 935  | 217                                                   | 199 | 184 | 0                                   | -1.2 | -11.4 |
|  | 9mm LUGER        |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 9mm Luger                                                                           | PPH9F1           | 115 FMJ               | 0.185                 | 1145                                                 | 1100 | 1050 | 335                                                   | 309 | 287 | 0.0                                 | -0.7 | -8.0  |
| 9mm Luger                                                                           | PP-R9.21         | 115 JHP               | 0.185                 | 1145                                                 | 1100 | 1050 | 335                                                   | 309 | 287 | 0.0                                 | -0.7 | -8.0  |
| 9mm Luger                                                                           | PPH9F2           | 124 FMJ               | 0.169                 | 1120                                                 | 1075 | 1040 | 345                                                   | 318 | 298 | 0.0                                 | -0.8 | -8.6  |
| 9mm Luger                                                                           | PP-R9.7          | 147 JHP               | 0.165                 | 990                                                  | 960  | 930  | 320                                                   | 301 | 284 | 0.0                                 | -1.4 | -11.5 |
|  | 9x21             |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 9x21                                                                                | PPH921           | 124 FMJ               | 0.117                 | 1181                                                 | 1102 | 1043 | 384                                                   | 333 | 300 | 0.0                                 | -0.7 | -8.3  |
|  | 9mm BROWING LONG |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 9mm Browing Long                                                                    | PPH9BL           | 108 FMJ               | 0.102                 | 1148                                                 | 1066 | 1003 | 316                                                   | 272 | 241 | 0.0                                 | -0.8 | -9.0  |
|  | 10mm AUTO        |                       |                       |                                                      |      |      |                                                       |     |     |                                     |      |       |
| 10mm Auto                                                                           | PP-R10.1         | 180 JHP               | 0.284                 | 1082                                                 | 1036 | 997  | 468                                                   | 430 | 399 | 0                                   | -0.9 | -8.7  |
| 10mm Auto                                                                           | PPH10F           | 170 FPJ               | 0.168                 | 1115                                                 | 1033 | 971  | 469                                                   | 403 | 356 | 0                                   | -1.2 | -9.3  |



# BLANK AMMUNITION

PPU manufactures many calibers of brass cased blank cartridges. Most are “full cased” types, i.e. they have an extended case shaped similar to a loaded round. This provides reliable functioning in all types of weapons. Please note that correct blank firing adapters must be used on the gun to ensure semi or full automatic operation.



PPB308

PPB3006

PPB303

PPB5561

PPB5562



PPB739

PPB754

PPB79

PPB9

PPB45

| Load    | Type                     |
|---------|--------------------------|
| PPB308  | .308 Winchester Blank    |
| PPB3006 | .30-06 Springfield Blank |
| PPB303  | .303 British Blank       |
| PPB5561 | 5.56 M200                |
| PPB5562 | 5.56 M200 A1             |
| PPB739  | 7.62x39 Blank            |
| PPB754  | 7.62x54R Blank           |
| PPB79   | 7.9 Blank                |
| PPB9    | 9mm Luger Blank          |
| PPB45   | .45 Auto Blank           |

# SP RIFLE BULLETS

We offer a comprehensive line of centerfire rifle and handgun ammunition components. These continue our commitment to high quality and excellent performance.

## 1 SP *Soft Point Rifle Bullets*

**Soft Point Rifle Bullets** are standard bullets designed to provide controlled expansion when penetrating. This is accomplished by soft lead exposed in the nose that initiates expansion and by a progressively tapered jacket in its ogive. SP Rifle Bullets provide uniform mushrooming and good penetration.

## 2 PSP *Pointed Soft Point Rifle Bullets*

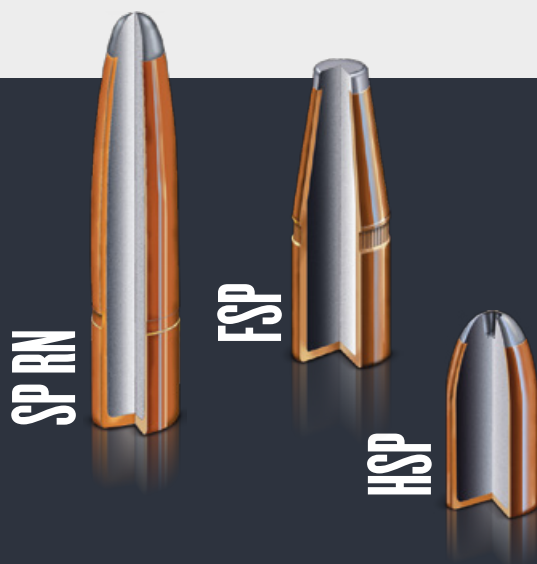
**Pointed Soft Point Rifle Bullets** have a sharp lead nose which causes bullet expansion upon impact and an aerodynamically shaped ogive which provides better ballistic coefficients and maximum striking energy at long range.



## 3 SP BT *Soft Point Boat Tail and Pointed Soft Point Boat Tail Rifle Bullets*

**Soft Point Boat Tail and Pointed Soft Point Boat Tail Rifle Bullets** have boat tails which lower air drag. The better ballistic coefficient of these bullets allows successful shooting at longer distances. The bullet maintains striking energy with reduced wind drift and flatter trajectory.

## SOFT POINT RIFLE BULLETS



### 4 SP RN Soft Point Round Nose Rifle Bullets

**Soft Point Round Nose Rifle Bullets** have a blunt rounded nose and are suitable for short range shooting especially in the brush of dense forests. The large lead weight exposed in the nose assures high energy impact and bullet mushrooming even at lower velocities.

### 5 FSP Flat Soft Point Rifle Bullets

**Flat Soft Point Rifle Bullets** have a flat soft point suitable for tubular magazine loading. They expand reliably and penetrate deeply on light to medium game.

### 6 HSP Hollow Soft Point Rifle Bullets

**Hollow Soft Point Rifle Bullets** have a cavity in the nose which causes expansion and helps mushrooming during penetration.

| Item         | Caliber | Recommended for                     | Type   | Diameter | Weight [gr] |
|--------------|---------|-------------------------------------|--------|----------|-------------|
| <b>B-193</b> | 22      | .22 Hornet                          | SP     | .222     | 45          |
| <b>B-032</b> | 22      | .222 Remington                      | SP     | .224     | 50          |
| <b>B-132</b> | 22      | .223 Remington                      | SP     | .224     | 55          |
| <b>B-211</b> | 22      | .22-250 Remington                   | SP     | .224     | 55          |
| <b>B-131</b> | 6mm     | .243 Win/6mm Rem                    | SP     | .242     | 90          |
| <b>B-134</b> | 6mm     | .243 Win/6mm Rem                    | SP     | .242     | 100         |
| <b>B-047</b> | 25      | .25-06 Remington                    | PSP    | .257     | 100         |
| <b>B-117</b> | 6.5mm   | 6.5 Carcano/6.5 Swedish/6.5x57      | SP     | .263     | 123         |
| <b>B-483</b> | 6.5mm   | 6.5 Grendel                         | SP     | .264     | 123         |
| <b>B-084</b> | 6.5mm   | 6.5 Carcano/6.5 Swedish             | SP BT  | .263     | 139         |
| <b>B-118</b> | 6.5mm   | 6.5x54 Mann Schoe                   | SP RN  | .263     | 156         |
| <b>B-114</b> | 6.5mm   | .264 Win Mag                        | PSP    | .263     | 140         |
| <b>B-161</b> | 270     | .270 Winchester                     | SP     | .277     | 130         |
| <b>B-027</b> | 270     | .270 Winchester                     | SP     | .277     | 150         |
| <b>B-478</b> | 7mm     | 7mm Mauser                          | SP     | .284     | 139         |
| <b>B-051</b> | 7mm     | 7x57R/7x64/7x57                     | SP     | .285     | 139         |
| <b>B-400</b> | 7mm     | 7x64/7mm Rem Mag/7mm -08 Rem        | PSP BT | .284     | 140         |
| <b>B-123</b> | 7mm     | 7mm Rem Mag                         | SP     | .284     | 145         |
| <b>B-403</b> | 7mm     | 7x64/7mm Rem Mag                    | PSP BT | .284     | 160         |
| <b>B-558</b> | 7mm     | 7mm Mauser                          | SP     | .284     | 173         |
| <b>B-067</b> | 7mm     | 7x57/7x57R/7x64/7x65R               | SP     | .285     | 173         |
| <b>B-404</b> | 7mm     | 7x64/7mm Rem Mag                    | PSP BT | .284     | 174         |
| <b>B-115</b> | 7mm     | 7mm Rem Mag                         | SP     | .284     | 174         |
| <b>B-204</b> | 30      | .30 Carbine                         | SP RN  | .307     | 110         |
| <b>B-273</b> | 30      | .30 Carbine                         | HSP    | .307     | 110         |
| <b>B-062</b> | 30      | .308 Win/.30-06 Spring/.300 Win Mag | SP     | .308     | 150         |
| <b>B-028</b> | 30      | .30-30 Winchester                   | FSP    | .308     | 150         |
| <b>B-362</b> | 30      | .308 Win/.30-06 Spring/.300 Win Mag | PSP BT | .308     | 165         |
| <b>B-200</b> | 30      | .30-30 Winchester                   | FSP    | .308     | 170         |
| <b>B-428</b> | 30      | 7.5x55 Swiss                        | SP     | .308     | 174         |
| <b>B-066</b> | 30      | .308 Win/.30-06 Spring/.300 Win Mag | SP     | .308     | 180         |
| <b>B-210</b> | 7.62mm  | 7.62x39                             | PSP    | .310     | 123         |
| <b>B-030</b> | 7.62mm  | 7.62x39                             | SP RN  | .310     | 123         |
| <b>B-382</b> | 303     | .303 British/7.65x53 Argentine      | SP BT  | .311     | 150         |
| <b>B-125</b> | 303     | .303 British/7.65x53 Argentine      | SP BT  | .311     | 180         |
| <b>B-462</b> | 8mm     | 8mm Mauser                          | SP     | .322     | 139         |
| <b>B-162</b> | 8mm     | 8x57 IRS                            | SP     | .323     | 139         |
| <b>B-349</b> | 8mm     | 8mm Mauser                          | PSP BT | .322     | 175         |
| <b>B-459</b> | 8mm     | 8mm Mauser                          | SP     | .322     | 196         |
| <b>B-128</b> | 8mm     | 8x57 IRS                            | SP     | .323     | 196         |
| <b>B-561</b> | 8mm     | 8x56R Mannlicher                    | SP     | .330     | 208         |
| <b>B-330</b> | 9.3mm   | 9.3x62/9.3x74R                      | SP     | .330     | 285         |
| <b>B-267</b> | 375     | .375 H&H                            | SP RN  | .375     | 300         |
| <b>B-448</b> | 45      | .45-70 Government                   | SJFP   | .458     | 405         |

## RIFLE BULLETS

FMJ



1

*Full Metal Jacket  
Rifle Bullets*

**Full Metal Jacket Rifle Bullets**  
are nonexpanding bullets. They  
are suitable for target or  
training shooting.

| Item  | Caliber  | Recommended<br>for                | Type   | Diameter | Weight<br>[gr] |
|-------|----------|-----------------------------------|--------|----------|----------------|
| B-212 | 22       | .223 Remington                    | FMJ BT | .224     | 55             |
| B-008 | 22       | 5.56 M193                         | FMJ BT | .224     | 55             |
| B-419 | 22       | .223 Remington                    | FMJ BT | .224     | 62             |
| B-110 | 22SC     | 5.56 SS109                        | FMJ BT | .224     | 62             |
| B-484 | 6.5mm    | 6.5 Grendel                       | FMJ BT | .264     | 110            |
| B-083 | 6.5mm    | 6.5 Carcano/6.5 Swedish           | FMJ BT | .263     | 139            |
| B-603 | 6.8mm    | 6.8mm Remington SPC               | FMJ BT | .277     | 115            |
| B-127 | 7mm      | 7x57/7x57R/7x64/7mm Rem Mag       | FMJ BT | .284     | 175            |
| B-010 | 30       | .30 Carbine                       | FMJ RN | .307     | 110            |
| B-636 | 30       | .308 Winchester/.300 AAC Blackout | FMJ    | .308     | 125            |
| B-007 | 30       | 7.5 French                        | FMJ    | .308     | 139            |
| B-119 | 30       | 300 Win Mag                       | FMJ BT | .308     | 145            |
| B-009 | 30       | .308 Winchester                   | FMJ BT | .308     | 145            |
| B-099 | 30       | .30-06 Springfield                | FMJ    | .308     | 150            |
| B-366 | 30       | .308 Winchester                   | FMJ BT | .308     | 175            |
| B-345 | 30       | 7.5 Swiss                         | FMJ BT | .308     | 174            |
| B-499 | 30       | .30-06 Springfield                | FMJ BT | .308     | 175            |
| B-074 | 7.62mm   | 7.62x39                           | FMJ    | .310     | 123            |
| B-219 | 7.62x54R | 7.62x54R                          | FMJ BT | .311     | 150            |
| B-437 | 7.62x54R | 7.62x54R                          | FMJ BT | .311     | 170            |
| B-169 | 7.62x54R | 7.62x54R                          | FMJ BT | .311     | 182            |
| B-006 | 303      | 7.62x54R                          | FMJ BT | .311     | 190            |
| B-173 | 303      | .303 British                      | FMJ BT | .311     | 174            |
| B-424 | 8mm      | 7.92 Kurz                         | FMJ BT | .323     | 124            |
| B-022 | 8mm      | 8mm Mauser                        | FMJ BT | .322     | 198            |
| B-564 | 8mm      | 8x57 IRS                          | FMJ BT | .322     | 200            |
| B-001 | 8mm      | 8x57                              | FMJ BT | .323     | 198            |
| B-384 | 8mm      | 8x56R Mannlicher                  | FMJ BT | .330     | 208            |
| B-471 | 8mm      | 8x57                              | FMJ BT | .323     | 250            |
| B-417 | 8mm      | 8x50R Label                       | FMJ BT | .327     | 200            |
| B-421 | 338      | .338 Lapua                        | FMJ BT | .338     | 250            |
| B-265 | 375      | .375 H&H                          | FMJ RN | .375     | 300            |
| B-444 | 375      | .375 H&H                          | FMJ BT | .375     | 300            |

FMJ RN



2

*Full Metal Jacket  
Round Nose Rifle Bullets*

**Full Metal Jacket Round Nose Rifle Bullets** are specially shaped and designed to reduce air resistance.

FMJ BT



3

*Full Metal Jacket  
Boat Tail Rifle Bullets*

**Full Metal Jacket Boat Tail Rifle Bullets** have a higher ballistic coefficient due to their boat tail design. The bullets are designed to provide flat trajectories and reduced wind drift.

## HOLLOW POINT RIFLE BULLETS

**Hollow Point Rifle Bullets** are designed primarily for shooting competitions. Due to the cavity in the nose, the center of gravity is placed back which improves flight stability and accuracy.

**Hollow Point BT Rifle Bullets** have a higher ballistic coefficient due to their long ogive and boat tail design. These features enable very accurate long range shooting with flat trajectories and reduced wind drift.

| Item         | Caliber | Recommended for            | Type     | Diameter | Weight [gr] |
|--------------|---------|----------------------------|----------|----------|-------------|
| <b>B-616</b> | 22      | .223 Remington             | HP BT    | .224     | 55          |
| <b>B-046</b> | 25      | .25-06 Remington           | HP BT    | .257     | 90          |
| <b>B-604</b> | 6.8     | 6.8 Remington SPC          | HP BT    | .277     | 115         |
| <b>B-401</b> | 7mm     | 7mm Rem Mag                | HP       | .284     | 120         |
| <b>B-405</b> | 7mm     | 7mm Rem Mag                | HP BT    | .284     | 150         |
| <b>B-638</b> | 30      | .308 Win/.300 AAC Blackout | HP       | .308     | 125         |
| <b>B-350</b> | 8mm     | 8x57                       | HP BT    | .323     | 175         |
| <b>B-423</b> | 338     | .338 Lapua                 | HP BT    | .338     | 250         |
| <b>B-633</b> | 9.3     | 9.3x62/9.3x74R             | HP Solid | .365     | 250         |
| <b>B-631</b> | 375     | .375 H&H                   | HP Solid | .375     | 270         |

## MATCH RIFLE BULLETS

**MATCH Rifle Bullets** are made with high quality materials and on special equipment. We offer a wide range of Match Rifle Bullets in many popular calibers designed for those who wish to custom make competition quality ammunition on their own.

| Item         | Caliber  | Recommended for | Type   | Diameter | Weight [gr] |
|--------------|----------|-----------------|--------|----------|-------------|
| <b>B-399</b> | 22       | .223 Remington  | HP BT  | .224     | 69          |
| <b>B-495</b> | 22       | .223 Remington  | HP BT  | .224     | 75          |
| <b>B-540</b> | 6.5      | 6.5 Swedish     | HP BT  | .264     | 120         |
| <b>B-499</b> | 7mm      | 7mm Rem Mag     | HP BT  | .284     | 150         |
| <b>B-625</b> | 30       | .308 Winchester | HP BT  | .308     | 155         |
| <b>B-594</b> | 30       | .308 Winchester | Solid  | .308     | 156         |
| <b>B-496</b> | 30       | .308 Winchester | HP BT  | .308     | 168         |
| <b>B-500</b> | 30       | .308 Winchester | FMJ BT | .308     | 175         |
| <b>B-593</b> | 30       | .308 Winchester | HPBT   | .308     | 175         |
| <b>B-497</b> | 30       | .308 Winchester | HP BT  | .308     | 190         |
| <b>B-529</b> | 7.62x54R | 7.62x54R        | FMJ BT | .311     | 182         |
| <b>B-348</b> | 8mm      | 8mm Mauser      | FMJ BT | .322     | 198         |
| <b>B-541</b> | 8mm      | 8x57            | FMJ BT | .322     | 200         |
| <b>B-498</b> | 8mm      | 8x57            | FMJ BT | .323     | 250         |
| <b>B-429</b> | 0.50     | .50 Cal         | Solid  | .50      | 725         |

## THUNDER RIFLE BULLETS

**Thunder Rifle Bullets** are high performance hunting bullets made of a copper alloy with a small lead core. Thunder rifle bullets offer controlled and reliable expansion, deep penetration, maximum weight retention and excellent accuracy.

| Item         | Caliber | Recommended for                     | Type    | Diameter | Weight [gr] |
|--------------|---------|-------------------------------------|---------|----------|-------------|
| <b>B-105</b> | 7mm     | 7mm Mauser/7mm Rem Mag              | Thunder | .284     | 158         |
| <b>B-323</b> | 30      | .308 Win/.300 Win Mag/.30-06 Spring | Thunder | .308     | 170         |
| <b>B-351</b> | 8mm     | 8mm Mauser                          | Thunder | .322     | 185         |



# BRASS

**PPU Reloading Brass –  
Synonymous with Accuracy!**

PPU has been manufacturing brass components since 1928 and have a worldwide reputation for quality. Using only the best raw materials coupled with today's modern manufacturing procedures, heat treatment processes and stringent quality assurance inspections throughout the production process, PPU creates high quality Reloading Brass Case components that can only help to define shooting "**Accuracy**".



Art. Caliber

**PPUC22** .22 Hornet  
**PPUC222** .222 Remington  
**PPUC223** .223 Remington  
**PPUC22-250** .22-250 Remington  
**PPUC243** .243 Winchester  
**PPUC25-06** .25-06 Remington  
**PPUC264** .264 Winchester Magnum  
**PPUC270** .270 Winchester  
**PPUC30** .30 Carbine  
**PPUC300** .300 Winchester Magnum  
**PPUC30-06** .30-06 Springfield  
**PPUC300B** .300 AAC Blackout  
**PPUC30-30** .30-30 Winchester  
**PPUC303B** .303 British  
**PPUC303S** .303 Savage  
**PPUC308** .308 Winchester  
**PPUC338** .338 Lapua Magnum  
**PPUC375** .375 H&H Magnum  
**PPUC45G** .45-70 Government  
**PPUC5.56** 5.56  
**PPUC50** .50 Cal  
**PPUC68** 6.8 Remington SPC  
**PPUC6C** 6.5 x 52 Carcano (.268 bullets)  
**PPUC6J** 6.5 x 51 R Japanese (.264 bullets)  
**PPUC6M** 6.5x57 Mauser  
**PPUC6MS** 6.5x54 Mannlicher  
**PPUC6R** 6mm Remington  
**PPUC6S** 6.5 x 55 Swedish  
**PPUC7-08** 7mm - 08 Remington  
**PPUC7A** 7.65 x 53 Argentine  
**PPUC7C** 7.35x51 Carcano  
**PPUC7F** 7.5 x 54 French

Art. Caliber

**PPUC7J** 7.7 x 58 Japanese  
**PPUC7K** 7.92 x 33 Kurz  
**PPUC7M** 7mm Mauser  
**PPUC7RM** 7mm Remington Magnum  
**PPUC7S** 7.5 x 55 Swiss  
**PPUC7x39** 7.62 x 39  
**PPUC7x51** 7.62x51  
**PPUC7x54R** 7.62 x 54 R  
**PPUC7x57R** 7 x 57 R  
**PPUC7x64** 7 x 64  
**PPUC8J** 8x57 IRS  
**PPUC8L** 8 x 50 R Lebel  
**PPUC8M** 8mm Mauser  
**PPUC8RS** 8 x 56 R Manlicher  
**PPUC9x63** 9.3 x 62  
**PPUC9x74** 9.3 x 74R  
**PPUC12** 12.7x57





JHP



SJHP



SJFP

# EXPANDING HANDGUN BULLETS

## 1 JHP *Jacketed Hollow Point Handgun Bullets*

**Jacketed Hollow Point Handgun Bullets** have a full-length jacket with a hollow point. This construction provides deep penetration with controlled expansion. JHP bullets offer reliable feeding into the chamber and good functioning in auto loading handguns.

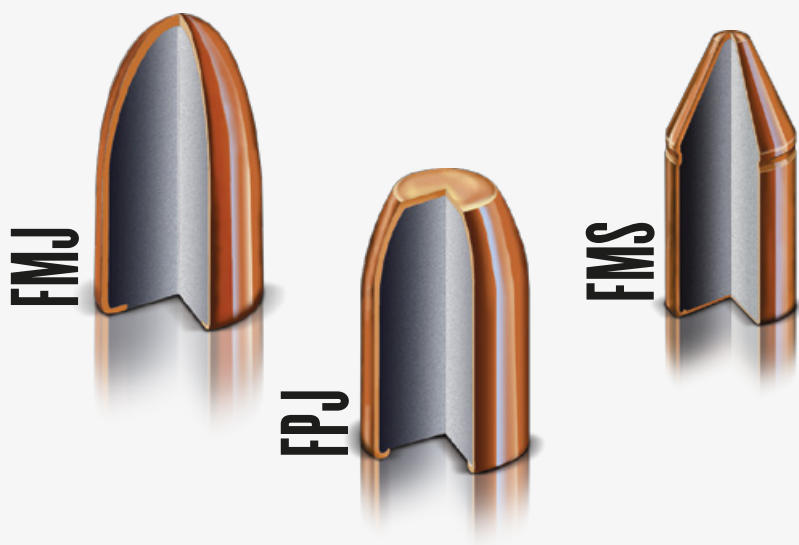
## 2 SJHP *Semi Jacketed Hollow Point Handgun Bullets*

**Semi Jacketed Hollow Point Handgun Bullets** provide optimum expansion with controlled penetration.

## 3 SJFP *Semi Jacketed Flat Point Handgun Bullets*

**Semi Jacketed Flat Point Handgun Bullets** are suitable for short range shooting with revolvers. They provide deeper penetration with less expansion than SJHP.

| Item         | Caliber | Recommended for         | Type | Diameter | Weight [gr] |
|--------------|---------|-------------------------|------|----------|-------------|
| <b>B-174</b> | 7.62mm  | 7.62 Tokarev            | JHP  | .3065    | 85          |
| <b>B-175</b> | 32      | .32 Auto                | JHP  | .3080    | 71          |
| <b>B-490</b> | 9mm     | 9mm Luger               | SJFP | .3545    | 100         |
| <b>B-101</b> | 9mm     | 9mm Luger               | JHP  | .3545    | 115         |
| <b>B-171</b> | 9mm     | 9mm Luger               | JHP  | .3545    | 124         |
| <b>B-329</b> | 9mm     | 9mm Luger               | SJSP | .3545    | 130         |
| <b>B-163</b> | 9mm     | 9mm Luger               | JHP  | .3545    | 147         |
| <b>B-145</b> | 9mm     | .380 Auto               | JHP  | .3555    | 94          |
| <b>B-172</b> | 9mm     | 9x18 Makarov            | JHP  | .3645    | 95          |
| <b>B-135</b> | 38      | .38 Special/.357 Magnum | SJHP | .3555    | 158         |
| <b>B-338</b> | 38      | .38 Special/.357 Magnum | SJFP | .3555    | 158         |
| <b>B-196</b> | 10mm    | .40 S&W/10mm Auto       | JHP  | .3995    | 180         |
| <b>B-154</b> | 44      | .44 Rem Mag             | JHP  | .4285    | 180         |
| <b>B-156</b> | 44      | .44 Rem Mag             | JHP  | .4285    | 240         |
| <b>B-580</b> | 44      | .44 Rem Mag             | SJHP | .4285    | 240         |
| <b>B-359</b> | 44      | .44 Rem Mag             | SJFP | .4285    | 240         |
| <b>B-320</b> | 44      | .44 Rem Mag             | SJFP | .4285    | 300         |
| <b>B-181</b> | 45      | .45 Auto                | SJHP | .4500    | 185         |



# FULL METAL JACKET HANDGUN BULLETS

| Item  | Caliber | Recommended for          | Type | Diameter | Weight [gr] |
|-------|---------|--------------------------|------|----------|-------------|
| B-016 | .25     | .25 Auto                 | FMJ  | .2500    | 50          |
| B-012 | 7.62mm  | 7.62 Tokarev/7.63 Mauser | FMJ  | .3065    | 85          |
| B-470 | 7.62mm  | 7.62 Nagant              | FPJ  | .3070    | 98          |
| B-549 | 7.65mm  | 7.65 Parabellum          | FMJ  | .3080    | 93          |
| B-015 | .32     | .32 Auto                 | FMJ  | .3125    | 71          |
| B-398 | 9mm     | 9mm Luger                | FMJ  | .3545    | 95          |
| B-112 | 9mm     | 9mm Luger                | FMJ  | .3545    | 115         |
| B-013 | 9mm     | 9mm Luger                | FMJ  | .3545    | 124         |
| B-446 | 9mm     | .357 Sig                 | FPJ  | .3545    | 125         |
| B-354 | 9mm     | 9mm Luger                | FMJ  | .3545    | 130         |
| B-166 | 9mm     | 9mm Luger                | FMJ  | .3545    | 147         |
| B-457 | 9mm     | 9mm Luger                | FMJ  | .3545    | 158         |
| B-014 | 9mm     | .380 Auto                | FMJ  | .3555    | 94          |
| B-164 | 9mm     | 9mm Browning Long        | FMJ  | .3585    | 108         |
| B-102 | 9mm     | 9mm Makarov              | FMJ  | .3645    | 93          |
| B-613 | .38     | .38 Special              | FMJ  | .3555    | 130         |
| B-347 | .38     | .38 Special              | FMJ  | .3555    | 145         |
| B-339 | .38     | .38 Special/.357 Magnum  | FPJ  | .3555    | 158         |
| B-111 | .38     | .38 Special/.357 Magnum  | FMS  | .3555    | 158         |
| B-614 | 10mm    | .40 S&W/10mm Auto        | FPJ  | .3995    | 165         |
| B-316 | 10mm    | .40 S&W /10mm Auto       | FPJ  | .3995    | 170         |
| B-195 | 10mm    | .40 S&W /10mm Auto       | FPJ  | .3995    | 190         |
| B-221 | .44     | .44 Rem Mag              | FPJ  | .4285    | 180         |
| B-222 | .44     | .44 Rem Mag              | FPJ  | .4285    | 240         |
| B-214 | .45     | .45 Auto                 | FMJ  | .4500    | 200         |
| B-180 | .45     | .45 Auto                 | FMJ  | .4500    | 230         |
| B-574 | .32     | .32 Auto                 | TMJ  | .3080    | 71          |
| B-044 | 9mm     | 9mm Luger                | TMJ  | .3545    | 115         |
| B-297 | 9mm     | 9mm Luger                | TMJ  | .3546    | 124         |
| B-455 | 9mm     | 9mm Luger                | TMJ  | .3547    | 147         |
| B-332 | .38     | .38 Special +P           | TMJ  | .3555    | 158         |
| B-353 | 10mm    | .40 S&W/10mm Auto        | TMJ  | .3995    | 180         |
| B-303 | .45     | .45 Auto                 | TMJ  | .4500    | 230         |

## 1 FMJ Full Metal Jacket Handgun Bullets

**Full Metal Jacket Handgun Bullets** are general purpose bullets suitable for target and training shooting.

## 2 FPJ Flat Point Jacket Handgun Bullets

**Flat Point Jacket Handgun Bullets** are FMJ bullets with a flat nose. These bullets are designed to improve the stopping power of the FMJ bullet.

## 3 FMS Full Metal Spitzer Handgun Bullets

**Full Metal Spitzer Handgun Bullets** have a conical nose and are designed to minimize air resistance and retain more kinetic energy.

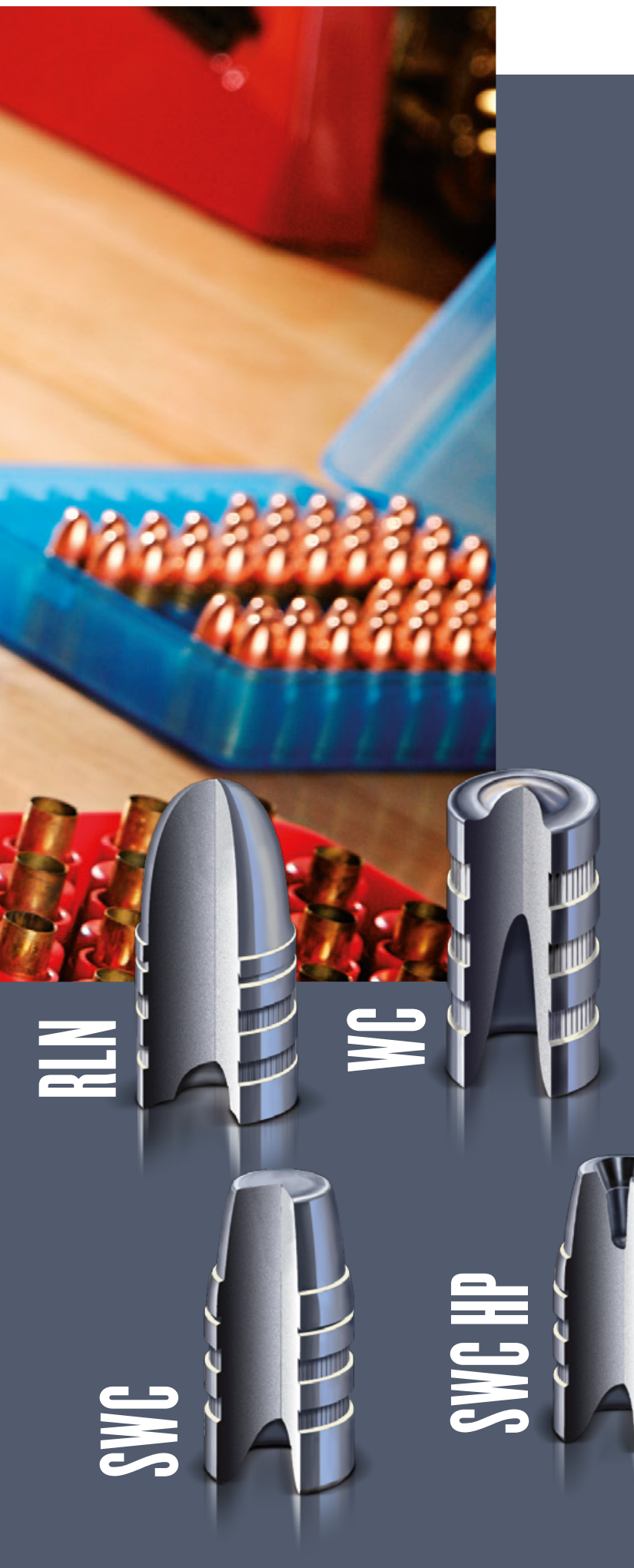
## 4 TMJ Metal Jacket Handgun Bullets

**TMJ Total Metal Jacket Handgun Bullets** are designed for use in indoor shooting ranges.



# LEAD HANDGUN BULLETS

| Item         | Caliber | Recommended for   | Type   | Diameter | Weight [gr] |
|--------------|---------|-------------------|--------|----------|-------------|
| <b>B-081</b> | 32      | .32 S&W Long      | LRN    | .3125    | 98          |
| <b>B-298</b> | 32      | .32 S&W Long      | WC     | .3125    | 98          |
| <b>B-192</b> | 9mm     | 9mm Browning Long | LRN    | .3560    | 124         |
| <b>B-053</b> | 38      | .38 Special       | WC     | .3575    | 148         |
| <b>B-017</b> | 38      | .38 Special       | LRN    | .3575    | 158         |
| <b>B-140</b> | 38      | .38 Special       | SWC    | .3575    | 158         |
| <b>B-136</b> | 38      | .38 Special       | SWC HP | .3575    | 158         |
| <b>B-089</b> | 38      | .38 S&W           | LRN    | .3590    | 145         |
| <b>B-202</b> | 45      | .45 Auto          | LRN    | .4115    | 230         |



## 1 **RLN** *Round Lead Nose Bullets*

**Round Lead Nose Bullets** are versatile bullets for general purpose used mainly in revolvers. They are very accurate and suitable for practice shooting.

## 2 **WC** *Wadcutter Bullets*

**Wadcutter Bullets** are specially designed lead bullets with excellent accuracy. These cylindrical bullets cut clean holes in the paper target.

## 3 **SWC** *Semi-Wadcutter Bullets*

**Semi-Wadcutter Bullets** have higher velocity and power. They provide accurate shooting at longer distances.

## 4 **SWC HP** *Semi-Wadcutter Hollow Point Bullets*

**Semi-Wadcutter Hollow Point Bullets** with a nose cavity deliver immediate expansion and accurate shooting.



# HANDGUN BRASS

PPU brass components are best described by the word “**Accuracy**” which is the degree to which the result of a measurement, calculation or specification conforms to the correct value or a standard. As a result of our tradition of strict compliance to higher standards required by sportsmen and government security/military forces, PPU Reloading Brass Cases are the most important basic component that unifies the rest of the components together in order to create the most accurate handgun cartridge.





## HANDGUN BRASS

| Art.      | Caliber             |
|-----------|---------------------|
| PPUC22RJ  | 22 Rem. Jet Magnum  |
| PPUC25A   | 25 Auto             |
| PPUC32    | 32 Auto             |
| PPUC32SW  | 32 S&W Long         |
| PPUC357M  | 357 Magnum          |
| PPUC357S  | 357 SIG             |
| PPUC380   | 380 Auto            |
| PPUC38SP  | 38 Special          |
| PPUC38SU  | 38 Super Auto + P   |
| PPUC38SW  | 38 Smith & Wesson   |
| PPUC38SWC | 38 Special WC       |
| PPUC40SW  | 40 Smith & Wesson   |
| PPUC44RM  | 44 Remington Magnum |
| PPUC45A   | 45 Auto             |
| PPUC763   | 7.63mm Mauser       |
| PPUC7N    | 7.62mm Nagant       |
| PPU7P     | 7.65mm Parabellum   |
| PPUC7T    | 7.62mm Tokarev      |
| PPUC9B    | 9mm Browning Long   |
| PPUC9L    | 9mm Luger           |
| PPUC9M    | 9mm Makarov         |
| PPUC10    | 10mm Auto           |
| PPUC9x21  | 9x21                |

## BLANK BRASS

| Art.  | Caliber                      |
|-------|------------------------------|
| C-120 | 5.56 M200                    |
| C-394 | 5.56 M200 A1                 |
| C-420 | 7.62x51 (308 Blank)          |
| C-456 | 30-06 Springfield Blank      |
| C-373 | 30-06 Springfield Blank Long |
| C-393 | 7.62x39 (M68)                |
| C-374 | 7.62x54 Blank                |
| C-375 | 303 British                  |
| C-391 | 7.9x57 (8mm) Blank           |
| C-380 | 9mm Luger Blank              |
| C-301 | 9mm PA Blank                 |
| C-552 | 45 Auto Blank                |



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## **PPU AMMUNITION & COMPONENTS 2018**

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