



BALISTIX

◀ BULLETS ▶

Where Accuracy Counts



Technical Specifications

TECHNICAL SPECIFICATIONS

1. Bullet Manufacturing

- Consistent geometry. (CNC manufactured)
- Mid SAAMI tolerance on diameter. ($\pm 3,5$ Micron (μm) maximum on manufacturing)

2. Technical Features of Bullet

2.1 Material

- Pure copper. (>99,5% copper)
- Environmentally friendly. (lead free)
- Aligned with international trends. (embargo on lead containing ammunition)
- Specific gravity of pure copper is 10 – 15% less than equivalent lead core bullets. The monolithic bullet is lighter than the equivalent length lead core bullet therefore increased velocity is achievable.
- By selecting the appropriate monolithic bullet for a given twist rate a flatter trajectory may be achievable compared to the lead core alternative. Follow manufacturer's recommendation on selecting and appropriate bullet weight for the rifle's twist rate.

2.2 Rebated Boat Tail

- Deflected gas flow away from bullet during bullet exit at crown ensures less turbulent gas conditions in front of bullet.
- Up to 15% increase in precision and accuracy compared to conventional boat tail design.
- Flat base bullet precision and accuracy with boat tail BC benefits.
- Boat tail angle conform to the popular industrial standard for optimised BC.

2.3 Ogive

- Tangent Ogive design which is less “jump” sensitive.
- Ogive is not off a “bore rider” design, i.e. the ogive engages with the lands.
- Bullet is “tunable” for precision. (i.e. jump adjustable)
- Bullet position in case can be measured with ogive comparator tools.
- Both a “Target” and “HunTac” (Hunting/Tactical) same weight and similar ogive design available. (i.e. similar impact point and reloading data for both)

2.4 Bearing Surface

- Improved low friction drive band design which results in :
 - Minimum copper fouling
 - Low pressure characteristics
- Designed within SAAMI tolerances.

3. Hexagonal Boron Nitrate (HBN)

Hexagonal Boron Nitride is widely used in industrial applications due to its excellent dry lubricating properties and ultra-high-temperature abilities. Of all solid lubricants available today, hexagonal boron nitride has the best combination of high temperature resistance & lubricating properties.

Balistix Bullets is the first monolithic bullet manufacturer to offer HBN coated bullets ready to load. HBN has the following major benefits:

3.1 Excellent Lubrication

- HBN application results in less fouling and less pressure compared to untreated monolithic bullets.
- Reduced extreme velocity spread and therefore improved precision and accuracy.
- Improved accuracy between cold bore and follow up shots. Further reduces elevation dispersion.

3.2 Inert

- Unlike molybdenum disulfide (MoS₂) coatings the HBN will not react with moisture and form acids that can harm your barrel and result in chemical erosion.

3.3 Clean

- The bullet has a translucent opaque colour with no messy residue unlike molly.
- HBN is non-toxic.

3.4 High Temperature Resistance

- HBN does not bind to the barrel during firing, therefore easy barrel cleaning.
- HBN can sustainably be used at approximately 900°C while other solid lubricants such as molly will start to oxidize and lose their lubricating properties at much lower temperatures. Hexagonal Boron Nitride's friction coefficient stays almost constant over a large range of temperatures.

4. Packaging

- Package content visually identifiable (tinted transparent box)
- Product specifications clearly shown.
- Designed with solid stacking ability in mind.
- Lid completely removable for ease of accessing bullets.
- High strength polycarbonate construction.



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