# Outer Edge Target Projectiles

The **Outer Edge Projectile** (OEP) bullet range is designed and manufactured in Australia with some of the best technology used anywhere in the world today.

## Target Projectiles

*Transonically tuned for ultra long range precision*

These precision CNC copper bullets are specially designed for use in long, and ultra long range target and tactical platforms, for those chasing the extreme Outer Edge in precision and accuracy. OEP bullets are stunningly accurate over distances once thought impossible.
Most long range shooters are acutely aware of the enormous destabilising effects the transonic zone has on high BC bullets as they approach the sonic barrier. Outer Edge Target bullets have been designed, engineered and tested to be as stable as possible through this zone. OEP Target bullets will extend the performance capability of your shooting package.
OEP Target/Tactical projectiles are not recommended for hunting applications.

## What are the qualities of OEP Target bullets?

1. *Much higher BC when compared with other bullets in the same weight class*
2. *Same or higher velocities when compared with other bullets in weight class*
3. *Much higher velocity when compared with bullets of similar BC*

*This package simply makes them astounding performers in any ballistic comparison.*

OEP bullets are precision CNC turned copper projectiles coated with an advanced proprietary coating (not moly) designed to deliver the following benefits.

- Superb accuracy with excellent transonic stability
- Specifically designed to match the twist rate in *your* rifle. Bullet stability is critically dependent on a barrel's twist rate. OEP have a dedicated bullet designed for your cartridge and barrel combination. The barrel twist rate required for each bullet is identified on the packaging.
- Have ideal Shot Start Initiation Pressures (SSIP's) – producing consistent ignition –foundational for accuracy.
- Consistent from batch to batch
- Coated with an advanced proprietary dry lube coating that*, unlike moly, is easy to remove when cleaning.* It is non corrosive with a low coefficient of friction; keeping your barrel cooler and cleaner for longer. Testing to date demonstrates longer shot strings are now possible under competition conditions. Cold bore and group consistency is greatly improved.
- There is an OEP Target design intended to maximise performance for both magazine and single feed target disciplines in most commonly used calibres
- Easy to develop loads for, when our recommendations are followed

## Loading tips

1. **Bullet seating;** All OEP Target projectiles show a distinct preference for being seated between 0.9 and 1.3 mm (0.035 – 0.055”) off the lands. This is common with copper projectiles. Many shooters report groups in the 0.2’s and 0.3’s (m.o.a.) with OEP bullets seated within this band. Seating bullets further off the lands is no significant disadvantage, but closer to the lands may increase pressures, and is likely to reduce accuracy.
2. **The importance of barrel twist;** All OEP bullets are precision matched to a specific rifle barrel twist rate. This recommendation is labelled on the box. Using the correct bullet for the rifle will produce the best results. At ranges of less than 500 metres, the use of a faster twist is fine. Use of a barrel with a slower than recommended twist may not achieve adequate stability at low temperatures on the coast (high air pressure zones). It should be noted that bullets with an Sg of less than 1.5 (Miller stability formula) at launch, will also be discounted in their BC value. All OEP bullets have an Sg of 1.5 or greater when used in conjunction with the recommended twist. All calculations are based on the universal standard for air pressure; sea level -1013 mb @ 15° C.
3. **Primers.** Use your normal primer. Use of magnum primers is not required unless you normally load with them. Match grade primers are recommended.
4. **Precision bullets require precision barrels.** The best bullets in the world will not compensate for a worn or out of spec barrel. Standard land and groove configurations are preferred to polygonal or canted lands.
5. **Load data.** Whilst OEP test and do substantive load development, our greatest challenge; as for all reloading component manufacturers, is that we have no control over the standards and tolerances of supplies produced by other manufacturers, or the reloading practices of our customers. The biggest issue however lies with the most basic component – the brass cartridge case. Brand “A” may be great brass of the highest standard, made to exacting specification and tolerance, whilst brand “B” might be almost as good, *but substantially different in volume capacity*. We have measured discrepancies exceeding 7% between brands in the 308W and 300WM alone, and this of course poses substantial challenges in recommending safe and accurate load data. *Never mix your brands of brass, and always check for variation in and between batches, even when using the same brand of cartridge cases.* As such we are happy to provide the brands of components used in testing, and those we found to perform best. We cannot however suggest a powder charge without the provision of a precisely measured case capacity (measured in h2o – distilled water).

We strongly recommend the use of a good reloading manual, in conjunction with sophisticated electronic predictive load programs such as QuickLoad®.
Load component recommendations to help reduce load development costs can be located on our website; outeredgeprojectiles.com.au