

8/19/2025



ID thread gauge use, and limitations of the gauge.

Thanks for purchasing the Thread gauge!

These thread gauges are produced on the same equipment that the receiver threads are cut on.

They are cut slightly smaller than the receiver threads.

This is to make sure that if this gauge is your only tool for checking the threads, you will have a barrel thread that fits into the BAT receivers produced over the last 29 years.

This does not mean the gauge will fit on every barrel that was previously threaded to fit a specific receiver.

There are some barrel fitters who intentionally cut threads on the barrel to an almost zero clearance fit to the receiver.

A near zero clearance fit is a DANGEROUS fit that often results in galled threads and severely damaged receivers!

In addition – there is NO accuracy benefit from a thread cut with no clearance!

In fact, it can be DETRIMENTAL to extreme accuracy! It can hinder the barrel from seating fully on the threads and action face. This is especially true if the workmanship of the barrel threading is not of very high quality.

When using gauge:

- 1- Make sure the threads of the barrel and of the gauge are clean – brake clean and an air blast are helpful.
- 2- Lube the thread and gauge after cleaning – use a light lube – the TW 25 we supply with the actions – put some on the gauge and barrel, spread around with an air blast.
- 3- Before threading onto the barrel – verify there are no burrs on the barrel threads or damaged threads.
- 4- The gauge should thread all the way on. If it gets tight, check for thread cleanliness. If its clean, you will need to cut the thread slightly smaller.

The BAT Team