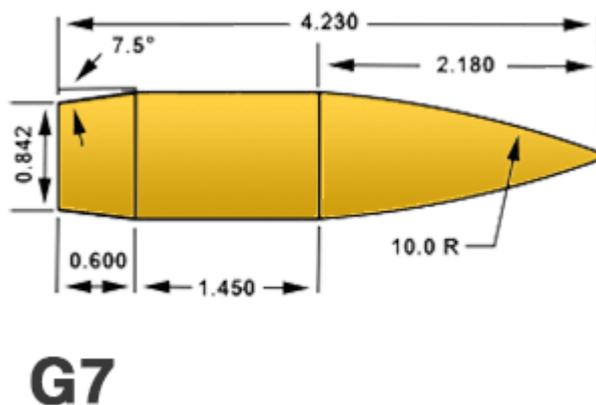
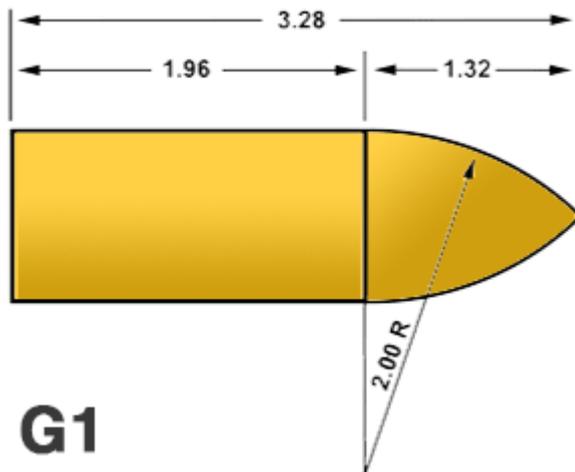


A quick explanation of G1 vs G7 BC's

BC is a reference to a projectile's efficiency in slipping through the air and not a descriptor of terminal performance, and certainly not accuracy.

BC's can be expressed against a number of standards, and there are at least eight, as far as small arms are concerned. These standards were developed many years ago in Gavrê France, and have become universally accepted as the international standard for comparing projectiles of similar design. The goal (among others) was to calculate the flight path of a projectile. This is where the G in a bullet's BC reference comes from in the terms 'G1' or 'G7', with which many shooters are familiar; it simply nominates the standard to which the bullet is being compared.

Now the standard for each reference is very precise in its proportion and *any* change to any dimension discounts a *direct* comparison to that standard. Without going into the various inflight characteristics of each standard, the standard that is most often quoted by manufacturers is the G1 standard. This is primarily because it is the least efficient standard for cutting through the air's resistance and any comparison with this standard will make the stated BC of a particular bullet appear most favourable.



Helpful Hint

For those wishing to compare, convert or translate standard G1 BC's to a G7 standard: multiply the G1 number (expressed as 0.### to the third decimal place) by 0.512.

Example: a bullet with a G1 BC of 0.600 compared to a G7 standard is
 $0.600 \times 0.512 = 0.307$

To compare a G7 BC bullet to a G1 standard, multiply the G7 number by 1.9535
Example: $0.307 \times 1.9525 = 0.600$

Hunting bullets were once very commonly of the G1 style.
Long range target bullets are typically closer to the G7 type.

Today, many hunting bullets have incorporated some of the efficiencies of G7 type, but there are practical limitations as to how far this can go, without adversely affecting terminal performance substantially.

For more hunting related information on this subject, see or article;
Ballistic Coefficients and Hunting elsewhere on this site.