Bullet Drop Compensation for the two most-popular ctg.s in America.

This stuff is *really* Good to know!

As shown below, the 223/5.56NATO and the 308/7.62NATO ctgs have very similar flight paths when common military-type loads are used. Other bullet wts & velocities do make bigger changes but the flight paths still remain within a inches of each other.

Exterior Ballistics for B.C. 0.26, (**5.56NATO** w/55gr FMJ-BT bullet)

Range	Muzzle	100yds	200yds	300yds	400yds	500yds
Velocity, FPS (Semi-Auto rifle)	3000	2636	2299	1987	1704	1454
Bullet Path w/100yd zero (inches)	-1.5	**0**	-3.5	-13.7	-32.7	-63.9
Bullet Path w/200yd zero (inches)	-1.5	1.8	**0**	-8.4	-25.7	-55
Bullet Path w/300yd zero (inches)	-1.5	4.6	5.6	**0**	-14.5	-41

Exterior Ballistics for B.C. 0.42, (**7.62NATO** w/150gr FMJ-BT bullet)

This bullet is usually the cheapest available for 308 caliber rifles and excellet for "coyotes."

Range	Muzzle	100yds	200yds	300yds	400yds	500yds
Velocity, FPS (Semi-Auto rifle)	2600	2390	2190	2000	1820	1651
Bullet Path w/100yd zero (inches)	-1.5	**0**	-4.6	-16.5	-37.1	-68.2
Bullet Path w/200yd zero (inches)	-1.5	2.3	**0**	-9.6	-27.9	-56.7
Bullet Path w/300yd zero (inches)	-1.5	5.5	5.8	**0**	-15.1	-40.7

Exterior Ballistics for B.C. 0.48, (**7.62NATO** w/168gr HP-BT Match bullet)

Range	Muzzle	100yds	200yds	300yds	400yds	500yds
Velocity, FPS (Semi-Auto rifle)	2600	2416	2239	2070	1908	1755
Bullet Path w/100yd zero (inches)	-1.5	**0**	-4.5	-15.9	-35.4	-64.5
Bullet Path w/200yd zero (inches)	-1.5	2.2	**0**	-9.2	-26.5	-53.4
Bullet Path w/300yd zero (inches)	-1.5	5.3	6.1	**0**	-14.3	-38.1

This data clearly shows that the bullets most-commonly used for these cartridges, (in **semi-auto** rifles,) can be expected to yield exterior ballistics similar enough that no *serious* sight/scope adjustments are needed to obtain *hits* at most realistic target-distances when the ctg.s *must be* interchanged.

Sight or Scope adjustments made for one will be "workable" for the other.

400 yds/meters is the greatest distance the average shooter can reasonably be expected to make solid hits.

Set sights to group 6" above Point-of-Aim at 100 yds to permit easily-made hits into a 18"-wd x 24"-tall target for 400yds.

This information was gleaned from the Exterior Ballistic Tables found in the Speer Reloading Manual No.12