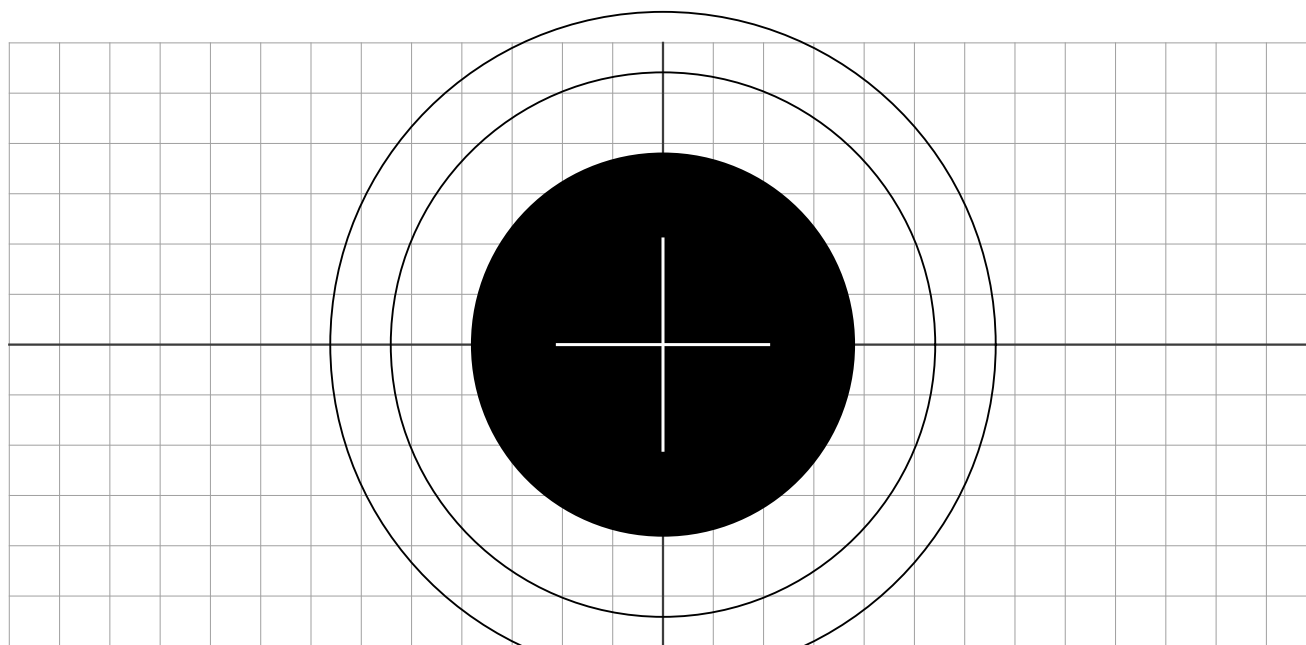


ZEROING TARGET - 5.56x45mm NATO - 25 YARD ZERO

Zero: 25 yd - M193 55 gr FMJ and M855 62 gr FMJ (green tip) - sight height 2.6 in



1 square = 1 MOA at 25 yd = 0.26 in (26 x 12 squares)

Black centre = 2 in

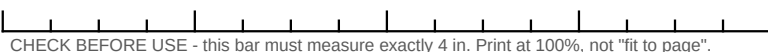
What a 25 yd zero confirms - computed, not assumed

Load	Barrel	Muzzle	Far zero	Max rise
M193	16 in carbine	3100 fps	376 yd	+10.1 in @ 213 yd
M193	20 in rifle	3240 fps	400 yd	+10.9 in @ 227 yd
M855	16 in carbine	2900 fps	363 yd	+9.4 in @ 203 yd
M855	20 in rifle	3020 fps	387 yd	+10.2 in @ 217 yd

Point of impact relative to point of aim - the correction is what to dial, so its sign is the opposite

Load	Distance	POI (in)	Sight corr. (MOA)	Velocity (fps)	Energy (ft-lb)
M193	25 yd	0.0	0.0	2995	1095
M193	50 yd	+2.3	-4.4	2894	1023
M193	100 yd	+6.1	-5.9	2700	891
M193	200 yd	+10.1	-4.8	2336	667
M193	300 yd	+7.5	-2.4	2001	489
M855	25 yd	0.0	0.0	2822	1095
M855	50 yd	+2.3	-4.4	2743	1036
M855	100 yd	+6.0	-5.7	2592	926
M855	200 yd	+9.4	-4.5	2306	732
M855	300 yd	+6.2	-2.0	2037	571

Negative POI = impact below point of aim. Far zero is where the bullet crosses the line of sight coming down; it moves with muzzle velocity and sight height, which is why both barrels are listed rather than one round number. BallisticEngine G1 model, 59 F, sea level, no wind.



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targets