

Ammo and Accuracy Testing

In each of the four guns, we shot three groups with each ammo lot at chickens at 40 meters, pigs at 60 meters, turkeys at 77 meters, and rams at 100 meters.

We used three top-end brands of ammo in the test: \$16-a-hundred Eley Tenex, the \$21.50/100 Federal Ultramatch, and \$17.50/100 RWS R50. We mounted targets on an actual silhouette range and shot them in conditions off a Ransom Rest front benchrest and a rear bunny bag.

We cleaned the guns between each ammo lot, but not during an ammo lot-testing sequence. We started each gun with a clean barrel, then fired 10 fouling and rough sight-in rounds. We then sighted the guns in and recorded chronograph data on an Oehler 35P chronograph with the next 15 rounds. Then we fired three five-shot record groups per ammo lot per gun at each distance, averaging the group sizes to produce the data in the accompany table. We kicked out and reshot groups where the test shooter felt he had broken a bad shot.

Accuracy Results

Anschütz 1416D Classic

Ammunition		Group Size Average		
		Chickens	Pigs	Turkeys
Federal Ultramatch	0.66 in.	1.20 in.	1.14 in.	1.31 in.
Eley Tenex	0.66 in.	0.89 in.	1.20 in.	1.79 in.
RWS R50	0.68 in.	0.88 in.	1.26 in.	1.85 in.

Kimber Model 82C Classic

Ammunition		Group Size Average		
		Chickens	Pigs	Turkeys
Federal Ultramatch	1.01 in.	1.40 in.	1.90 in.	2.70 in.
Eley Tenex	0.43 in.	0.84 in.	1.54 in.	1.57 in.
RWS R50	0.91 in.	1.02 in.	1.23 in.	2.11 in.

Cooper Model 36 Featherweight

Ammunition		Group Size Average		
		Chickens	Pigs	Turkeys
Federal Ultramatch	0.42 in.	1.20 in.	1.20 in.	1.85 in.
Eley Tenex	0.62 in.	0.91 in.	0.98 in.	1.03 in.
RWS R50	0.40 in.	0.63 in.	0.82 in.	1.32 in.

KFS NS 522

Ammunition		Group Size Average		
		Chickens	Pigs	Turkeys
Federal Ultramatch	0.65 in.	0.91 in.	1.36 in.	1.37 in.
Eley Tenex	0.61 in.	0.82 in.	1.08 in.	1.45 in.
0.59 in.	0.59 in.	0.88 in.	1.09 in.	1.63 in.

Bold numbers are the best groups shot at each distance.

Chronograph Readings

	Mean Muzzle Velocity			Standard Deviation		
	Federal Ultramatch	Eley Tenex	RWS R50	Federal Ultramatch	Eley Tenex	RWS R50
Anschütz	1163 fps	1101 fps	1095 fps	9 fps	7 fps	7 fps
Kimber	1168 fps	1114 fps	1121 fps	9 fps	19 fps	21 fps
Cooper	1128 fps	1072 fps	1087 fps	8 fps	13 fps	9 fps
KFS	1158 fps	1112 fps	1113 fps	6 fps	7 fps	5 fps