

ACCURACY AND CHRONOGRAPH DATA

Monarch Brass 223 Rem. 55-Gr. Soft Point	Kel-Tec SU-16CA	Ruger SR556	Sig Sauer 556 Classic SWAT
Average Velocity	2866 fps	2908 fps	2884 fps
Standard Deviation	36 fps	29 fps	46 fps
Muzzle Energy	1003 ft.-lbs.	1033 ft.-lbs.	1016 ft.-lbs.
Smallest Group	1.4 in.	1.2 in.	1.3 in.
Largest Group	1.7 in.	1.6 in.	1.6 in.
Average Group	1.6 in.	1.5 in.	1.5 in.

Remington 223 Rem. 55-Gr. MC L223R3V	Kel-Tec SU-16CA	Ruger SR556	Sig Sauer 556 Classic SWAT
Average Velocity	3025 fps	3036 fps	3010 fps
Standard Deviation	29 fps	25 fps	33 fps
Muzzle Energy	1117 ft.-lbs.	1126 ft.-lbs.	1106 ft.-lbs.
Smallest Group	1.2 in.	0.9 in.	1.2 in.
Largest Group	1.6 in.	1.3 in.	1.4 in.
Average Group	1.4 in.	1.2 in.	1.3 in.

Silver State 223 Rem. 63-Gr. Sierra Soft Point	Kel-Tec SU-16CA	Ruger SR556	Sig Sauer 556 Classic SWAT
Average Velocity	2749 fps	2785 fps	2760 fps
Standard Deviation	41 fps	31 fps	23 fps
Muzzle Energy	1057 ft.-lbs.	1085 ft.-lbs.	1066 ft.-lbs.
Smallest Group	1.5 in.	1.5 in.	0.8 in.
Largest Group	1.7 in.	1.7 in.	1.2 in.
Average Group	1.5 in.	1.6 in.	1.1 in.

To collect accuracy data, we fired 5-shot groups from a sandbag rest at 100 yards. To capture velocity data, we used a Chrony chronograph with the first skyscreen set 10 feet from the muzzle.

BARREL TEMPERATURES

Gun Model	Bolt Temperature Unfired/Fired	Chamber Temperature Unfired/Fired	Barrel Temperature Unfired/Fired
Stag 2L (DGI)	71/104	71/118	72/213
Kel-Tec SU-16 CA	72/82	71/122	69/234
Ruger SR-556FB	70/78	69/114	71/218
Sig Sauer 556 SWAT	72/76	71/92	70/212

Readings were taken at a distance of 3 inches, which covered an area of 0.5 inch on the measured area. All temperatures in F°. Thermometer accuracy rated at +/- 2%. Room temperature 73 F°. The Stag was a direct-gas-impingement design. The other guns are gas-piston mechanisms.