

Rimfire Ballistics Table

NOTE: The table below lists the AMMO MAKER, the specific round, factory stock number (in parentheses), type of bullet used, muzzle velocity (MV-fps.), muzzle energy (ME-ft./lbs.) and ballistic coefficient (BC). Also note that even the pistol ammo listed herein was still ballistically tested in a 24-inch barrel for the numbers generated.

(.17 HORNADY MACH 2)--24-in.barrel, 1 turn in 16-inch twist)

HORNADY, 17-gr. V-Max Bullet (83177), 2100 MV, 166 ME, 0.125 BC

(.17 HORNADY MAGNUM RIMFIRE)--24-in. barrel, 1 turn in 16-inch twist)

HORNADY, 17-gr. V-Max Bullet (83170), 2550 MV, 245 ME, 0.125 BC

HORNADY, 20-gr. XTP (83172), 2375 MV, 250 ME, 0.1253 BC

REMINGTON, 17-gr. Premier V-Max AccuTip (PR17HM1), 2550 MV, 245 ME, ? BC---(BC, barrel length & rate of twist to be verified w/Remington.)

CCI, 17-gr. TNT HP Hollow Point (0053), 2525 MV, 241 ME, 0.110 BC (Appx.)---(Barrel length: 24 in., rate-of-twist: 1 turn in 9 in., and BC, approximated, as per verification w/ CCI.)

FEDERAL, 17-gr. Speer TNT JHP (P770), 2550 MV, 245 ME, 0.100 BC---(24-inch barrel length, rate-of-twist: 1 turn in 9 inches.)

FEDERAL, 17-gr. Hornady V-Max (P771), 2550 MV, 245 ME, 0.120 BC---(24-inch barrel length, rate-of-twist: 1 turn in 9 inches.)

(.22 SHORT--24-in. barrel, 1 turn in 16-inch twist)

CCI, 29-gr. Short High Speed Solid (0027), 1132 MV, 83 ME, 0.105 BC

CCI, 27-gr. Short HP (0028), 1164 MV, 81 ME, 0.105 BC

SELLIER and BELLOT, 28-gr. Short (SBA02204), 932 MV, 54 ME, 0.065 BC

RWS, 28-gr. Short R25 (213 4267), 560 MV, 20 ME, 0.047 BC

AGUILA, 29-gr. Short High Velocity, 1095 MV, 77 ME, 0.105 BC

REMINGTON, 29-gr. Short Solid (1022), 1095 MV, 77 ME, 0.105 BC

WINCHESTER, 29-gr. Short Standard Vel. Solid (X22S), 1095 MV, 77 ME, 0.105 BC

CCI, 29-gr. Short Target Solid (0037), 830 MV, 44 ME, 0.074 BC

ELEY, 29-gr. Short Rapid Fire Match, 750 MV, 36 ME, 0.050 BC

CCI, 29-gr. Short CB Lead Round Nose Solid (0026), 727 MV, 33 ME, 0.072 BC---(Note: CCI's ballistics do not list a BC. They show MV out of a 6-inch handgun barrel as 706 fps with 32 ME.)

FIOCCHI, 29-gr. Short Round Nose Compensated Solid (22SM200), 650 MV, 27 ME, 0.110 BC

(.22 LONG--24-in. barrel, 1 turn in 16-inch twist)

CCI, 29-gr. Long High Speed (0029), 1180 MV, 90 ME, 0.109 BC

CCI, CB Long Solid (0038), 727 MV, 33 ME, 0.072 BC---(Note: CCI's ballistics do not list a BC. They show MV out of a 6-inch handgun barrel as 706 fps with 32 ME.)

(.22 LONG RIFLE, Standard Vel. & Match Ammo--24-in. barrel, 1 turn in 16-inch twist)

SWARTKLIP, 13-gr. LR SDP Subsonic Diabolo Pellet (SK006), 480 MV, 7 ME ? BC---(BC & rate of twist to be verified w/ArmsCorpUSA. Barrel length: 24 in.)

LAPUA, 36-gr. LR Subsonic HP (4312246), 1033 MV, 85 ME, 0.118 BC

REMINGTON, 38-gr. LR Subsonic HP (SUB22HP), 1050 MV, 93 ME, 0.125 BC

AGUILA, 38-gr. LR Subsonic HP, 1025 MV, 88 ME, 0.111 BC

PMC, 38-gr. LR Moderator Subsonic Vel. (22SS), 1000 MV, 84 ME, 0.107 BC

RWS, 40-gr. R100 (213 4195), 1175 MV, 123 ME, 0.130 BC

REMINGTON, 40-gr. LR Target Solid (6122) (6100), 1150 MV, 117 ME, 0.149 BC

WINCHESTER, 40-gr. T22 LR Std. Vel. Solid (XT22LR), 1150 MV, 117 ME, 0.149 BC

FEDERAL, 40-gr. LR Ultramatch Solid (UM1), 1140 MV, 115 ME, 0.149 BC

FEDERAL, 40-gr. LR Match Solid (900), 1140 MV, 115 ME, 0.149 BC

AGUILA, 40-gr. LR Std. Vel., 1135 MV, 114 ME, 0.158 BC

PMC, 40-gr. Scoremaster LR Std. Vel. Solid (22SM), 1135 MV, 114 ME, 0.111 BC

FIOCCHI, 40-gr. LR Biathlon Match Solid (22SM340), 1120 MV, 111 ME, 0.140

BC=Estimated

AGUILA, 40-gr. LR Match Golden Eagle, 1100 MV, 110 ME, 0.109 BC

LAPUA, 40-gr. LR Polar Biathlon Solid (4317023), 1100 MV, 107 ME, 0.108 BC

ELEY, 40-gr. Tenex Ultimate EPS, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. Match EPS, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. Club, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. Target, 1085 MV, 105 ME, 0.105 BC

ELEY, 40-gr. Practice, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. Standard, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. Biathlon Match, 1085 MV, 105 ME, 0.150 BC

ELEY, 40-gr. LR Silhouex, 1085 MV, 105 ME, 0.150 BC

REMINGTON/ELEY, 40-gr. Match EPS (RE22EPS), 1085 MV, 105 ME, 0.149 BC

REMINGTON/ELEY, 40-gr. Club Extra (RE22CX), 1085 MV, 105 ME, 0.149 BC

REMINGTON/ELEY, 40-gr. Target Rifle (RE22T), 1085 MV, 105 ME, 0.149 BC

AGUILA, 40-gr. Match Rifle, 1080 MV, 100 ME, 0.197 BC

SELLIER and BELLOT, 40-gr. LR SB Standard (SBA02201), 1084 MV, 104 ME, 0.131 BC

SELLIER and BELLOT, 40-gr. LR SB Standard (SBA02202), 1084 MV, 104 ME, 0.131 BC

FEDERAL, 40-gr. LR Ultramatch Solid (UM1B), 1080 MV, 105 ME, 0.139 BC

FEDERAL, 40-gr. LR Target Solid (711B), 1080 MV, 105 ME, 0.138 BC

FEDERAL, 40-gr. LR Match Solid (900B), 1080 MV, 105 ME, 0.139 BC

RWS, 40-gr. LR Target Rifle (213 2478), 1080 MV, 100 ME, 0.109 BC

CCI, 40-gr. LR Std. Vel. Solid (0032), 1070 MV, 100 ME, 0.105 BC

CCI, 40-gr. LR Green Tag Comp. Solid (0033), 1070 MV, 100 ME, 0.105 BC

CCI, 40-gr. LR Pistol Match Solid (0051), 1070 MV, 100 ME, 0.105 BC

RWS, 40-gr. LR R50 (21304187), 1070 MV, 100 ME, 0.105 BC

LAPUA, 40-gr. LR Master Solid (4317033), 1066 MV, 101 ME, 0.132 BC

LAPUA, 40-gr. LR Midas L Solid (4317022), 1066 MV, 101 ME, 0.132 BC

LAPUA, 40-gr. LR Midas M Solid (4317021), 1066 MV, 101 ME, 0.132 BC

NORMA 1, 40-gr. Lead, Round Nose (15613), 1066 MV, 101 ME, 0.132 BC

NORMA 2, 40-gr. Lead, Round Nose (15614), 1066 MV, 101 ME, 0.132 BC

NORMA 3, 40-gr. Lead, Round Nose (15615), 1066 MV, 101 ME, 0.132 BC

FIOCCHI, 40-gr. LR-Rifle Match Solid (22SM320), 1050 MV, 98 ME, 0.140 BC

FIOCCHI, 40-gr. LR Match Trng. Solid (22M320), 1050 MV, 98 ME, 0.130 BC

LAPUA, 40-gr. LR Super Club Solid (4317066), 1050 MV, 98 ME, 0.114 BC

LAPUA, 40-gr. LR Std. Rifle Club Solid (43122420), 1050 MV, 98 ME, 0.114 BC

WOLF, 40-gr. LR Match Target Solid Round Nose, 1050 MV, 97.91 ME, ? BC*

WOLF, 40-gr. LR Match Extra Solid Round Nose, 1033 MV, 94.77 ME, ? BC*

WOLF, 40-gr. LR Match Gold Solid Round Nose, 1033 MV, 94.77 ME, ? BC*

PMC, 40-gr. Match Rifle (22MR), 1050 MV, 98 ME, 0.110 BC

RWS, 40-gr. LR Rifle Match (213 4225), 1035 MV, 95 ME, 0.096 BC

ELEY, 40-gr. Tenex Ultimate EPS Pistol, 1030 MV, 94 ME, 0.109 BC

ELEY, 40-gr. Pistol Xtra, 1030 MV, 94 ME, 0.109 BC

ELEY, 40-gr. Target Pistol, 1030 MV, 94 ME, 0.109 BC

LAPUA, 40-gr. LR Pistol King Solid (4317031), 1033 MV, 95 ME, 0.130 BC

LAPUA, 40-gr. LR Pistol Trainer Solid (4312260), 1033 MV, 95 ME, 0.130 BC

ELEY, 40-gr. Pistol Match, 1000 MV, 89 ME, 0.140 BC

FIOCCHI, 40-gr. LR Pistol Match Solid (22SM300), 984 MV, 86 ME, 0.130 BC

FIOCCHI, 40-gr. LR Match Trng. Solid (22M300), 984 MV, 86 ME, 0.125 BC

PMC, 40-gr. Match Pistol (22MP), 900 MV, 72 ME, 0.095 BC

WINCHESTER, 40-gr. LR Lead HP (W22LRB), 1150 MV, 117 ME, 0.150 BC

ELEY, 40-gr. LR Subsonic Xtra Plus, 1065 MV, 100 ME, 0.115 BC

RWS, 40-gr. LR Subsonic HP (213 2494), 1000 MV, 90 ME, 0.092 BC

LAPUA, 48-gr. LR Scoremax Solid (4317030), 1033 MV, 114 ME, 0.144 BC

LAPUA, 40-gr. LR Multi Match Solid (4317020), 1100 MV, 129 ME, 0.134 BC

AGUILA, 60-gr. SSS Sniper Subsonic, 950 MV, 120 ME, 0.090 BC

*NOTE: Queried WOLF company directly to verify the above, however, they said they did NOT have available any of the BCs for the above three loads, nor did they list the length of the test barrel or its rate of twist. Will try asking them again for the BCs, test barrel length and rate of twist.)

(.22 LONG RIFLE, High Velocity & Hyper Velocity)

AGUILA, 30-gr. Super Maximum Solid P., 1750 MV, 204 ME, 0.102 BC

AGUILA, 30-gr. Super Maximim Hollow P., 1750 MV, 204 ME, 0.102 BC

FEDERAL, 31-gr. LR Hyper Vel. HP Copper Pltd. (724), 1550 MV, 165 ME, 0.107 BC

CCI, 32-gr. LR Stinger HP (0050), 1640 MV, 191 ME, 0.103 BC

CCI, 32-gr. Quik-Shok (0064), 1640 MV, 191 ME, 0.103 BC

REMINGTON, 33-gr. LR Yellow Jacket HP (1722), 1500 MV, 165 ME, 0.107 BC

SWARTKLIP, 35-gr. LR SLD Spitzer Low Drag (SK001), 1410 MV, 157 ME, ? BC---(BC & rate of twist to be verified w/ArmsCorpUSA. Barrel length: 24 in.)

REMINGTON, 36-gr. LR Viper Solid (1922), 1410 MV, 159 ME, 0.117 BC

SELLIER and BELLOT, 36-gr. LR HV (SBA02206), 1330 MV, 141 ME, 0.091 BC

LAPUA, 36-gr. LR HP (4312245), 1345 MV, 145 ME, 0.122 BC

CCI, 36-gr. LR Mini-Mag HP (0031), 1280 MV, 135 ME, 0.126 BC

REMINGTON, 36-gr. LR Cyclone HP (CY22HP), 1280 MV, 131 ME, 0.124 BC

REMINGTON, 36-gr. LR HP (1622), 1280 MV, 131 ME, 0.124 BC

FEDERAL, 36-gr. LR HP (730), 1255 MV, 125 ME, 0.125 BC

WINCHESTER, 36-gr. LR HP (XPRT22), 1220 MV, 122 ME, 0.105 BC

WINCHESTER, 37-gr. LR HP (X22LRH), 1280 MV, 135 ME, 0.128 BC

ELEY, 37.5-gr. LR HV Hollow, 1312 MV, 143, ME, 0.193 BC

SELLIER and BELLOT, 38-gr. HV HP (SBA02203), 1281 MV, 138 ME, 0.102 BC

AGUILA, 38-gr. LR High Vel. HP, 1280 MV, 138 ME, 0.124 BC

SWARTKLIP, 38-gr. LR SXHP Super Hollow Point (SK002), 1340 MV, 156 ME, ? BC---(BC & rate of twist to be verified w/ArmsCorpUSA. Barrel length: 24 in.)

AMERICAN EAGLE (Federal) 38-gr. LR Hollow Point Copper-Plated (AE22), 1280 MV, 140 ME, 0.132 BC

FEDERAL, 38-gr. LR HP Copper-Plated (712), 1280 MV, 140 ME, 0.132 BC

PMC, 38-gr. Zapper LR High Vel. HP CC (22D), 1280 MV, 138 ME, 0.109 BC

SWARTKLIP, 39-gr. STB Sabre Tip Bullet (SK004), 1340 MV, 150 ME, ? BC---(BC & rate of twist to be verified w/ArmsCorpUSA. Barrel length: 24 in.)

LAPUA, 40-gr. LR Speed Ace Solid (4312243), 1345 MV, 161 ME, 0.120 BC

ELEY, 40-gr. LR HV Solid, 1312 MV, 153 ME, 0.193 BC

AMERICAN EAGLE (Federal) 40-gr. LR Solid (AE5022), 1260 MV, 140 ME, 0.138 BC

FEDERAL, 40-gr. LR Solid, Copper Plated (710) (810), 1260 MV, 140 ME, 0.138 BC

FEDERAL, 40-gr. LR Solid (510), 1260 MV, 140 ME, 0.138 BC

CCI, 40-gr. LR Silhouette (0065), 1255 MV, 140 ME, 0.138 BC

CCI, 40-gr. LR HS Mini-Mag Solid (0030), 1255 MV, 140 ME, 0.138 BC

PMC, 40-gr. Zapper LR High Vel. Solid CC (22CC), 1255 MV, 140 ME, 0.121 BC

REMINGTON, 40-gr. LR Solid (1522), 1255 MV, 140 ME, 0.138 BC

REMINGTON, 40-gr. LR Thunderbolt Solid (TB22A), 1255 MV, 140 ME, 0.139 BC

WINCHESTER, 40-gr. LR Wildcat Solid (WW22LR), 1255 MV, 140 ME, 0.139 BC

WINCHESTER, 40-gr. LR Solid (X22LR), 1255 MV, 140 ME, 0.139 BC

AGUILA 40-gr. LR High Velocity, 1250 MV, 139 ME, 0.141 BC

PMC, 40-gr. Sidewinder LR High Vel. Solid (22SC), 1250 MV, 139 ME, 0.121 BC

CCI, 40-gr. Velocitor HP (0047), 1435 MV, 183 ME, 0.132 BC

RWS, 40-gr. High Velocity HP (213 2494), 1310 MV, 150 ME, 0.104 BC

WINCHESTER, 40-gr. LR Power-Point HP (X22LRPP), 1280 MV, 146 ME, 0.118 BC

SWARTKLIP, 45-gr. SHP Solid Heavyweight Bullet (SK003), 1225 MV, 156 ME, ? BC

(.22 WINCHESTER MAGNUM RIMFIRE--WMR)

CCI, 30-gr. WMR Maxi-Mag + V HP (0059), 2200 MV, 322 ME, 0.084 BC

CCI, 30-gr. WMR TNT HP (0063), 2200 MV, 322 ME, 0.084 BC

FEDERAL, 30-gr. WMR Jacketed HP (767), 2200 MV, 325 ME, 0.088 BC

FEDERAL, 30-gr. WMR TNT JHP (P765), 2200 MV, 325 ME, 0.079 BC

REMINGTON, 33-gr. WMR Premier V-Max Boat Tail (R22M1), 2000 MV, 293 ME, 0.137 BC

WINCHESTER 34-gr. WMR Jacketed HP (S22WM), 2120 MV, 338 ME, 0.102 BC

CCI, 40-gr. WMR Maxi-Mag Solid (0023), 1910 MV, 324 ME, 0.110 BC

FEDERAL, 40-gr. WMR FMJ Solid (737), 1910 MV, 325 ME, 0.111 BC

PMC, 40-gr. WMR Predator Magnum Jacketed Soft Point (22WMA), 1910 MV, 324 ME, 0.183
BC

PMC, 40-gr. WMR Predator Magnum JHP (22WMB), 1910 MV, 324 ME, 0.183 BC

REMINGTON, 40-gr. WMR Pointed Soft Point Solid (R22M2), 1910 MV, 324 ME, 0.114 BC

WINCHESTER, 40-gr. WMR FMJ Solid (X22M), 1910 MV, 324 ME, 0.110 BC

CCI, 40-gr. WMR Maxi-Mag HP (0024), 1910 MV, 324 ME, 0.110 BC

REMINGTON, 40-gr. WMR Jacketed HP (R22M2), 1910 MV, 324 ME, 0.116 BC

WINCHESTER, 40-gr. WMR Jacketed HP (X22MH), 1910 MV, 324 ME, 0.110 BC

FEDERAL, 50-gr. WMR Jacketed HP (757), 1650 MV, 302 ME, 0.158 BC