

.223 Dia., 45 Gr. Hornet

POINT BLANK RANGE COMPUTED FOR 2.0 INCHES ABOVE AND BELOW LINE OF SIGHT

RANGE METERS MUZZLE 50 100 150 200 250

MAXIMUM POINT BLANK RANGE IS 155 METERS. SET ZERO AT 130 METERS.

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|----------------------|------|------|-------|--------|--------|--------|
| VELOCITY FPS | 2400 | 2076 | 1801 | 1559 | 1350 | 1182 |
| ENERGY FT-LB | 575 | 430 | 324 | 242 | 182 | 139 |
| DROP INCHES | .00 | -.99 | -4.40 | -11.03 | -21.97 | -38.64 |
| BULLET PATH (50 M) | -.80 | .00 | -1.62 | -6.47 | -15.62 | -30.50 |
| INCHES (100 M) | -.80 | .81 | .00 | -4.04 | -12.38 | -26.44 |
| (ZERO RANGE) (150 M) | -.80 | 2.16 | 2.69 | .00 | -7.00 | -19.72 |
| (200 M) | -.80 | 3.91 | 6.19 | 5.25 | .00 | -10.97 |
| MPBR ZERO (130 M) | -.80 | 1.57 | 1.52 | -1.76 | -9.34 | -22.65 |
| WIND DRIFT (10 MPH) | .00 | .90 | 3.83 | 9.03 | 16.93 | 27.80 |
| INCHES (20 MPH) | .00 | 1.81 | 7.65 | 18.07 | 33.86 | 55.61 |

MAXIMUM POINT BLANK RANGE IS 150 METERS. SET ZERO AT 125 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 2300 | 1985 | 1725 | 1492 | 1294 | 1142 |
| ENERGY FT-LB | 528 | 394 | 297 | 222 | 167 | 130 |
| DROP INCHES | .00 | -1.08 | -4.80 | -12.03 | -23.96 | -42.11 |
| BULLET PATH (50 M) | -.80 | .00 | -1.84 | -7.20 | -17.25 | -33.53 |
| INCHES (100 M) | -.80 | .92 | .00 | -4.43 | -13.57 | -28.92 |
| (ZERO RANGE) (150 M) | -.80 | 2.40 | 2.96 | .00 | -7.65 | -21.53 |
| (200 M) | -.80 | 4.31 | 6.78 | 5.74 | .00 | -11.96 |
| MPBR ZERO (125 M) | -.80 | 1.61 | 1.37 | -2.38 | -10.83 | -25.49 |
| WIND DRIFT (10 MPH) | .00 | .96 | 4.01 | 9.46 | 17.71 | 28.97 |
| INCHES (20 MPH) | .00 | 1.92 | 8.02 | 18.93 | 35.42 | 57.93 |

MAXIMUM POINT BLANK RANGE IS 145 METERS. SET ZERO AT 120 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 2200 | 1902 | 1650 | 1427 | 1242 | 1105 |
| ENERGY FT-LB | 483 | 361 | 272 | 203 | 154 | 122 |
| DROP INCHES | .00 | -1.18 | -5.24 | -13.15 | -26.19 | -45.98 |
| BULLET PATH (50 M) | -.80 | .00 | -2.09 | -8.01 | -19.07 | -36.88 |
| INCHES (100 M) | -.80 | 1.04 | .00 | -4.89 | -14.90 | -31.67 |
| (ZERO RANGE) (150 M) | -.80 | 2.67 | 3.26 | .00 | -8.39 | -23.53 |
| (200 M) | -.80 | 4.77 | 7.45 | 6.29 | .00 | -13.04 |
| MPBR ZERO (120 M) | -.80 | 1.64 | 1.19 | -3.10 | -12.52 | -28.69 |
| WIND DRIFT (10 MPH) | .00 | 1.01 | 4.19 | 9.90 | 18.50 | 30.09 |
| INCHES (20 MPH) | .00 | 2.03 | 8.38 | 19.80 | 37.00 | 60.18 |

MAXIMUM POINT BLANK RANGE IS 140 METERS. SET ZERO AT 115 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 2100 | 1820 | 1576 | 1364 | 1193 | 1072 |
| ENERGY FT-LB | 440 | 331 | 248 | 185 | 142 | 114 |
| DROP INCHES | .00 | -1.29 | -5.74 | -14.40 | -28.67 | -50.24 |
| BULLET PATH (50 M) | -.80 | .00 | -2.36 | -8.92 | -21.10 | -40.58 |
| INCHES (100 M) | -.80 | 1.18 | .00 | -5.39 | -16.39 | -34.69 |
| (ZERO RANGE) (150 M) | -.80 | 2.97 | 3.59 | .00 | -9.20 | -25.70 |
| (200 M) | -.80 | 5.28 | 8.20 | 6.90 | .00 | -14.20 |
| MPBR ZERO (115 M) | -.80 | 1.66 | .97 | -3.93 | -14.45 | -32.26 |
| WIND DRIFT (10 MPH) | .00 | 1.05 | 4.35 | 10.31 | 19.24 | 31.09 |
| INCHES (20 MPH) | .00 | 2.09 | 8.70 | 20.62 | 38.48 | 62.19 |

MAXIMUM POINT BLANK RANGE IS 135 METERS. SET ZERO AT 115 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 2000 | 1738 | 1503 | 1303 | 1148 | 1042 |
| ENERGY FT-LB | 399 | 301 | 225 | 169 | 131 | 108 |
| DROP INCHES | .00 | -1.42 | -6.30 | -15.81 | -31.45 | -54.96 |
| BULLET PATH (50 M) | -.80 | .00 | -2.66 | -9.95 | -23.38 | -44.67 |
| INCHES (100 M) | -.80 | 1.33 | .00 | -5.96 | -18.05 | -38.01 |
| (ZERO RANGE) (150 M) | -.80 | 3.32 | 3.97 | .00 | -10.11 | -28.08 |
| (200 M) | -.80 | 5.84 | 9.03 | 7.58 | .00 | -15.44 |
| MPBR ZERO (115 M) | -.80 | 1.87 | 1.08 | -4.34 | -15.90 | -35.31 |
| WIND DRIFT (10 MPH) | .00 | 1.05 | 4.49 | 10.70 | 19.92 | 31.95 |
| INCHES (20 MPH) | .00 | 2.11 | 8.98 | 21.41 | 39.84 | 63.90 |

MAXIMUM POINT BLANK RANGE IS 125 METERS. SET ZERO AT 105 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 1900 | 1647 | 1425 | 1240 | 1104 | 1012 |
| ENERGY FT-LB | 360 | 271 | 202 | 153 | 121 | 102 |
| DROP INCHES | .00 | -1.57 | -7.00 | -17.58 | -34.92 | -60.77 |
| BULLET PATH (50 M) | -80 | .00 | -3.06 | -11.26 | -26.23 | -49.70 |
| INCHES (100 M) | -80 | 1.53 | .00 | -6.68 | -20.12 | -42.06 |
| (ZERO RANGE) (150 M) | -80 | 3.75 | 4.45 | .00 | -11.22 | -30.93 |
| (200 M) | -80 | 6.56 | 10.06 | 8.41 | .00 | -16.92 |
| MPBR ZERO (105 M) | -80 | 1.72 | .39 | -6.09 | -19.33 | -41.08 |
| WIND DRIFT (10 MPH) | .00 | 1.13 | 4.79 | 11.35 | 20.90 | 33.09 |
| INCHES (20 MPH) | .00 | 2.26 | 9.59 | 22.71 | 41.81 | 66.18 |

RANGE METERS MUZZLE 50 100 150 200 250

MAXIMUM POINT BLANK RANGE IS 120 METERS. SET ZERO AT 100 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 1800 | 1558 | 1349 | 1182 | 1064 | 984 |
| ENERGY FT-LB | 323 | 242 | 181 | 139 | 113 | 96 |
| DROP INCHES | .00 | -1.76 | -7.82 | -19.63 | -38.86 | -67.24 |
| BULLET PATH (50 M) | -80 | .00 | -3.51 | -12.76 | -29.44 | -55.26 |
| INCHES (100 M) | -80 | 1.76 | .00 | -7.49 | -22.42 | -46.49 |
| (ZERO RANGE) (150 M) | -80 | 4.25 | 4.99 | .00 | -12.43 | -34.00 |
| (200 M) | -80 | 7.36 | 11.21 | 9.32 | .00 | -18.47 |
| MPBR ZERO (100 M) | -80 | 1.76 | .00 | -7.49 | -22.42 | -46.49 |
| WIND DRIFT (10 MPH) | .00 | 1.21 | 5.11 | 11.98 | 21.76 | 33.98 |
| INCHES (20 MPH) | .00 | 2.42 | 10.21 | 23.97 | 43.52 | 67.96 |

MAXIMUM POINT BLANK RANGE IS 115 METERS. SET ZERO AT 95 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 1700 | 1470 | 1276 | 1129 | 1029 | 958 |
| ENERGY FT-LB | 288 | 215 | 162 | 127 | 105 | 91 |
| DROP INCHES | .00 | -1.97 | -8.78 | -21.99 | -43.32 | -74.45 |
| BULLET PATH (50 M) | -80 | .00 | -4.04 | -14.47 | -33.03 | -61.39 |
| INCHES (100 M) | -80 | 2.02 | .00 | -8.41 | -24.96 | -51.29 |
| (ZERO RANGE) (150 M) | -80 | 4.82 | 5.61 | .00 | -13.74 | -37.27 |
| (200 M) | -80 | 8.26 | 12.48 | 10.30 | .00 | -20.09 |
| MPBR ZERO (95 M) | -80 | 1.78 | -4.49 | -9.14 | -25.93 | -52.50 |
| WIND DRIFT (10 MPH) | .00 | 1.29 | 5.42 | 12.55 | 22.42 | 34.55 |
| INCHES (20 MPH) | .00 | 2.59 | 10.83 | 25.09 | 44.83 | 69.10 |

MAXIMUM POINT BLANK RANGE IS 110 METERS. SET ZERO AT 90 METERS.

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|----------------------|------|-------|-------|--------|--------|--------|
| VELOCITY FPS | 1600 | 1384 | 1208 | 1082 | 997 | 933 |
| ENERGY FT-LB | 255 | 191 | 146 | 117 | 99 | 87 |
| DROP INCHES | .00 | -2.23 | -9.91 | -24.71 | -48.35 | -82.42 |
| BULLET PATH (50 M) | -80 | .00 | -4.65 | -16.42 | -37.03 | -68.07 |
| INCHES (100 M) | -80 | 2.33 | .00 | -9.44 | -27.73 | -56.44 |
| (ZERO RANGE) (150 M) | -80 | 5.47 | 6.29 | .00 | -15.14 | -40.71 |
| (200 M) | -80 | 9.26 | 13.86 | 11.35 | .00 | -21.79 |
| MPBR ZERO (90 M) | -80 | 1.78 | -1.09 | -11.07 | -29.90 | -59.16 |
| WIND DRIFT (10 MPH) | .00 | 1.38 | 5.70 | 12.97 | 22.78 | 34.70 |
| INCHES (20 MPH) | .00 | 2.75 | 11.39 | 25.94 | 45.55 | 69.40 |

MAXIMUM POINT BLANK RANGE IS 105 METERS. SET ZERO AT 85 METERS.

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|----------------------|------|-------|--------|--------|--------|--------|
| VELOCITY FPS | 1500 | 1300 | 1146 | 1040 | 966 | 909 |
| ENERGY FT-LB | 224 | 169 | 131 | 108 | 93 | 82 |
| DROP INCHES | .00 | -2.54 | -11.24 | -27.83 | -53.99 | -91.24 |
| BULLET PATH (50 M) | -80 | .00 | -5.36 | -18.61 | -41.44 | -75.35 |
| INCHES (100 M) | -80 | 2.68 | .00 | -10.57 | -30.72 | -61.95 |
| (ZERO RANGE) (150 M) | -80 | 6.20 | 7.05 | .00 | -16.62 | -44.32 |
| (200 M) | -80 | 10.36 | 15.36 | 12.46 | .00 | -23.55 |
| MPBR ZERO (85 M) | -80 | 1.77 | -1.83 | -13.31 | -34.37 | -66.51 |
| WIND DRIFT (10 MPH) | .00 | 1.45 | 5.91 | 13.17 | 22.75 | 34.32 |
| INCHES (20 MPH) | .00 | 2.90 | 11.82 | 26.33 | 45.49 | 68.65 |

MAXIMUM POINT BLANK RANGE IS 100 METERS. SET ZERO AT 80 METERS.

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| VELOCITY FPS | 1400 | 1220 | 1090 | 1002 | 937 | 885 |
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|----------------------|-----|-------|--------|--------|--------|---------|
| ENERGY FT-LB | 195 | 148 | 118 | 100 | 87 | 78 |
| DROP INCHES | .00 | -2.91 | -12.79 | -31.39 | -60.30 | -101.00 |
| BULLET PATH (50 M) | -80 | .00 | -6.18 | -21.07 | -46.28 | -83.27 |
| INCHES (100 M) | -80 | 3.09 | .00 | -11.80 | -33.92 | -67.82 |
| (ZERO RANGE) (150 M) | -80 | 7.02 | 7.87 | .00 | -18.18 | -48.15 |
| (200 M) | -80 | 11.57 | 16.96 | 13.64 | .00 | -25.42 |
| MPBR ZERO (80 M) | -80 | 1.72 | -2.73 | -15.90 | -39.38 | -74.65 |
| WIND DRIFT (10 MPH) | .00 | 1.51 | 5.98 | 13.03 | 22.22 | 33.31 |
| INCHES (20 MPH) | .00 | 3.01 | 11.96 | 26.06 | 44.43 | 66.62 |

MAXIMUM POINT BLANK RANGE IS 90 METERS. SET ZERO AT 75 METERS.

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|----------------------|------|-------|--------|--------|--------|---------|
| VELOCITY FPS | 1300 | 1145 | 1040 | 966 | 908 | 860 |
| ENERGY FT-LB | 168 | 131 | 108 | 93 | 82 | 74 |
| DROP INCHES | .00 | -3.35 | -14.61 | -35.44 | -67.37 | -111.86 |
| BULLET PATH (50 M) | -80 | .00 | -7.10 | -23.78 | -51.55 | -91.89 |
| INCHES (100 M) | -80 | 3.55 | .00 | -13.13 | -37.35 | -74.14 |
| (ZERO RANGE) (150 M) | -80 | 7.93 | 8.75 | .00 | -19.85 | -52.26 |
| (200 M) | -80 | 12.89 | 18.68 | 14.88 | .00 | -27.45 |
| MPBR ZERO (75 M) | -80 | 1.64 | -3.83 | -18.87 | -45.01 | -83.71 |
| WIND DRIFT (10 MPH) | .00 | 1.51 | 5.82 | 12.45 | 21.07 | 31.53 |
| INCHES (20 MPH) | .00 | 3.02 | 11.64 | 24.90 | 42.15 | 63.07 |