

Russian 47mm Revolving Cannon

| GUN<br>ELEVATION<br>(DEG) | TIME<br>OF<br>FLIGHT<br>(SEC) | RANGE<br>(METERS) | TERMINAL<br>VELOCITY<br>(M/SEC) | ANGLE<br>OF<br>DESCENT<br>(DEG) |
|---------------------------|-------------------------------|-------------------|---------------------------------|---------------------------------|
| 1.00                      | 1.85                          | 692               | 321.89                          | 1.82                            |
| 1.25                      | 2.15                          | 786               | 312.09                          | 2.10                            |
| 1.50                      | 2.46                          | 879               | 303.57                          | 2.40                            |
| 1.75                      | 2.76                          | 970               | 296.02                          | 2.72                            |
| 2.00                      | 3.06                          | 1,058             | 289.31                          | 3.05                            |
| 2.25                      | 3.36                          | 1,144             | 283.32                          | 3.39                            |
| 2.50                      | 3.66                          | 1,227             | 277.94                          | 3.73                            |
| 2.75                      | 3.95                          | 1,308             | 273.08                          | 4.09                            |
| 3.00                      | 4.25                          | 1,387             | 268.55                          | 4.44                            |
| 3.25                      | 4.54                          | 1,464             | 264.30                          | 4.81                            |
| 3.50                      | 4.83                          | 1,539             | 260.31                          | 5.17                            |
| 3.75                      | 5.11                          | 1,613             | 256.55                          | 5.54                            |
| 4.00                      | 5.40                          | 1,684             | 253.00                          | 5.92                            |
| 4.25                      | 5.68                          | 1,755             | 249.65                          | 6.30                            |
| 4.50                      | 5.96                          | 1,823             | 246.48                          | 6.68                            |
| 4.75                      | 6.23                          | 1,890             | 243.47                          | 7.06                            |
| 5.00                      | 6.51                          | 1,956             | 240.62                          | 7.45                            |
| 5.25                      | 6.78                          | 2,020             | 237.88                          | 7.84                            |
| 5.50                      | 7.05                          | 2,083             | 235.26                          | 8.24                            |
| 5.75                      | 7.32                          | 2,145             | 232.73                          | 8.63                            |
| 6.00                      | 7.59                          | 2,206             | 230.29                          | 9.03                            |
| 6.25                      | 7.86                          | 2,266             | 227.94                          | 9.43                            |
| 6.50                      | 8.12                          | 2,324             | 225.67                          | 9.84                            |
| 6.75                      | 8.39                          | 2,382             | 223.49                          | 10.24                           |
| 7.00                      | 8.65                          | 2,439             | 221.38                          | 10.65                           |
| 7.25                      | 8.91                          | 2,494             | 219.35                          | 11.06                           |
| 7.50                      | 9.17                          | 2,549             | 217.38                          | 11.48                           |
| 7.75                      | 9.42                          | 2,603             | 215.48                          | 11.89                           |
| 8.00                      | 9.68                          | 2,655             | 213.65                          | 12.31                           |
| 8.25                      | 9.93                          | 2,707             | 211.88                          | 12.73                           |
| 8.50                      | 10.19                         | 2,759             | 210.17                          | 13.15                           |
| 8.75                      | 10.44                         | 2,809             | 208.52                          | 13.57                           |
| 9.00                      | 10.69                         | 2,859             | 206.92                          | 13.99                           |
| 9.25                      | 10.94                         | 2,907             | 205.37                          | 14.42                           |
| 9.50                      | 11.19                         | 2,955             | 203.88                          | 14.85                           |
| 9.75                      | 11.44                         | 3,003             | 202.44                          | 15.27                           |
| 10.00                     | 11.68                         | 3,049             | 201.04                          | 15.70                           |
| 10.25                     | 11.93                         | 3,095             | 199.69                          | 16.14                           |
| 10.50                     | 12.17                         | 3,140             | 198.39                          | 16.57                           |
| 10.75                     | 12.42                         | 3,185             | 197.13                          | 17.00                           |
| 11.00                     | 12.66                         | 3,229             | 195.91                          | 17.43                           |
| 11.25                     | 12.90                         | 3,272             | 194.73                          | 17.87                           |
| 11.50                     | 13.14                         | 3,315             | 193.59                          | 18.30                           |
| 11.75                     | 13.38                         | 3,357             | 192.49                          | 18.74                           |
| 12.00                     | 13.61                         | 3,398             | 191.43                          | 19.17                           |

|       |       |       |        |       |
|-------|-------|-------|--------|-------|
| 12.25 | 13.85 | 3,439 | 190.41 | 19.61 |
| 12.50 | 14.09 | 3,479 | 189.41 | 20.05 |
| 12.75 | 14.32 | 3,519 | 188.46 | 20.48 |
| 13.00 | 14.56 | 3,558 | 187.53 | 20.92 |
| 13.25 | 14.79 | 3,597 | 186.64 | 21.36 |
| 13.50 | 15.02 | 3,635 | 185.78 | 21.79 |
| 13.75 | 15.25 | 3,672 | 184.94 | 22.23 |
| 14.00 | 15.48 | 3,709 | 184.14 | 22.66 |
| 14.25 | 15.71 | 3,746 | 183.37 | 23.10 |
| 14.50 | 15.94 | 3,782 | 182.62 | 23.54 |
| 14.75 | 16.17 | 3,817 | 181.90 | 23.97 |
| 15.00 | 16.39 | 3,852 | 181.21 | 24.40 |
| 15.25 | 16.62 | 3,887 | 180.54 | 24.84 |
| 15.50 | 16.84 | 3,921 | 179.90 | 25.27 |
| 15.75 | 17.07 | 3,954 | 179.28 | 25.70 |
| 16.00 | 17.29 | 3,987 | 178.69 | 26.13 |
| 16.25 | 17.51 | 4,020 | 178.12 | 26.56 |
| 16.50 | 17.74 | 4,052 | 177.57 | 26.99 |
| 16.75 | 17.96 | 4,084 | 177.05 | 27.42 |
| 17.00 | 18.18 | 4,115 | 176.54 | 27.85 |
| 17.25 | 18.40 | 4,146 | 176.06 | 28.27 |
| 17.50 | 18.61 | 4,177 | 175.59 | 28.70 |
| 17.75 | 18.83 | 4,207 | 175.15 | 29.12 |
| 18.00 | 19.05 | 4,236 | 174.72 | 29.54 |
| 18.25 | 19.27 | 4,265 | 174.32 | 29.96 |
| 18.50 | 19.48 | 4,294 | 173.93 | 30.38 |
| 18.75 | 19.70 | 4,323 | 173.56 | 30.79 |
| 19.00 | 19.91 | 4,351 | 173.20 | 31.21 |
| 19.25 | 20.12 | 4,378 | 172.87 | 31.62 |
| 19.50 | 20.34 | 4,405 | 172.55 | 32.03 |
| 19.75 | 20.55 | 4,432 | 172.25 | 32.44 |
| 20.00 | 20.76 | 4,459 | 171.95 | 32.85 |