

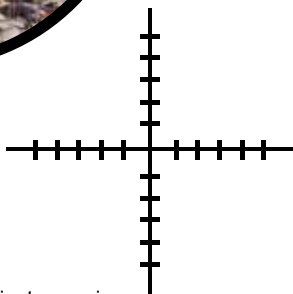


TACTICAL SPOTTER WITH MIL-CROSS RETICLE



Finding Out The Distance of an Object

1. Estimate the size of the target
2. Line up the object either horizontally or vertically in between the mil-lines
3. Count the number of mil-lines that the object occupies
4. See Charts



- What power are you currently viewing the object at?
- How many inches is the object?
- How many mils does the object occupy?

Example

1. Wolf in reticle is about 3 feet wide (or 36 inches)
2. After lining up the wolf in between the reticle lines, the wolf is 7 mils wide
3. Going to the chart I know that I'm viewing the object at 11x, the object is 36 inches wide and is 7 mils wide, the wolf is roughly 66 yards away.

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)} \times 2.16} = \text{Range (yards)}$$

AT 11x

| SIZE OF OBJECT IN INCHES | | 9 | 12 | 16 | 18 | 20 | 22 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
|--------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| YARDS | | 0.250 | 0.333 | 0.444 | 0.500 | 0.556 | 0.611 | 0.667 | 0.778 | 0.889 | 1.000 | 1.111 | 1.222 | 1.333 | 1.445 | 1.556 | 1.667 | 1.778 | 1.889 | 2.000 |
| MIL | 1 | 116 | 154 | 206 | 232 | 257 | 283 | 309 | 360 | 412 | 463 | 514 | 566 | 617 | 669 | 720 | 772 | 823 | 875 | 926 |
| MIL | 1.5 | 77 | 103 | 137 | 154 | 171 | 189 | 206 | 240 | 274 | 309 | 343 | 377 | 412 | 446 | 480 | 514 | 549 | 583 | 617 |
| MIL | 2 | 58 | 77 | 103 | 116 | 129 | 141 | 154 | 180 | 206 | 232 | 257 | 283 | 309 | 334 | 360 | 386 | 412 | 437 | 463 |
| MIL | 2.5 | 46 | 62 | 82 | 93 | 103 | 113 | 123 | 144 | 165 | 185 | 206 | 226 | 247 | 268 | 288 | 309 | 329 | 350 | 370 |
| MIL | 3 | 39 | 51 | 69 | 77 | 86 | 94 | 103 | 120 | 137 | 154 | 171 | 189 | 206 | 223 | 240 | 257 | 274 | 292 | 309 |
| MIL | 3.5 | 33 | 44 | 59 | 66 | 73 | 81 | 88 | 103 | 118 | 132 | 147 | 162 | 176 | 191 | 206 | 220 | 235 | 250 | 265 |
| MIL | 4 | 29 | 39 | 51 | 58 | 64 | 71 | 77 | 90 | 103 | 116 | 129 | 141 | 154 | 167 | 180 | 193 | 206 | 219 | 232 |
| MIL | 4.5 | 26 | 34 | 46 | 51 | 57 | 63 | 69 | 80 | 91 | 103 | 114 | 126 | 137 | 149 | 160 | 171 | 183 | 194 | 206 |
| MIL | 5 | 23 | 31 | 41 | 46 | 51 | 57 | 62 | 72 | 82 | 93 | 103 | 113 | 123 | 134 | 144 | 154 | 165 | 175 | 185 |
| MIL | 5.5 | 21 | 28 | 37 | 42 | 47 | 51 | 56 | 65 | 75 | 84 | 94 | 103 | 112 | 122 | 131 | 140 | 150 | 159 | 168 |
| MIL | 6 | 19 | 26 | 34 | 39 | 43 | 47 | 51 | 60 | 69 | 77 | 86 | 94 | 103 | 111 | 120 | 129 | 137 | 146 | 154 |
| MIL | 6.5 | 18 | 24 | 32 | 36 | 40 | 44 | 47 | 55 | 63 | 71 | 79 | 87 | 95 | 103 | 111 | 119 | 127 | 135 | 142 |
| MIL | 7 | 17 | 22 | 29 | 33 | 37 | 40 | 44 | 51 | 59 | 66 | 73 | 81 | 88 | 96 | 103 | 110 | 118 | 125 | 132 |
| MIL | 8 | 14 | 19 | 26 | 29 | 32 | 35 | 39 | 45 | 51 | 58 | 64 | 71 | 77 | 84 | 90 | 96 | 103 | 109 | 116 |
| MIL | 9 | 13 | 17 | 23 | 26 | 29 | 31 | 34 | 40 | 46 | 51 | 57 | 63 | 69 | 74 | 80 | 86 | 91 | 97 | 103 |
| MIL | 10 | 12 | 15 | 21 | 23 | 26 | 28 | 31 | 36 | 41 | 46 | 51 | 57 | 62 | 67 | 72 | 77 | 82 | 87 | 93 |

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)} \times 1.29} = \text{Range (yards)}$$

AT 22x

| SIZE OF OBJECT IN INCHES | | 9 | 12 | 16 | 18 | 20 | 22 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
|--------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| YARDS | | 0.250 | 0.333 | 0.444 | 0.500 | 0.556 | 0.611 | 0.667 | 0.778 | 0.889 | 1.000 | 1.111 | 1.222 | 1.333 | 1.445 | 1.556 | 1.667 | 1.778 | 1.889 | 2.000 |
| MIL | 1 | 194 | 258 | 345 | 388 | 431 | 474 | 517 | 603 | 689 | 775 | 861 | 948 | 1034 | 1120 | 1206 | 1292 | 1378 | 1464 | 1551 |
| MIL | 1.5 | 129 | 172 | 230 | 258 | 287 | 316 | 345 | 402 | 459 | 517 | 574 | 632 | 689 | 747 | 804 | 861 | 919 | 976 | 1034 |
| MIL | 2 | 97 | 129 | 172 | 194 | 215 | 237 | 258 | 301 | 345 | 388 | 431 | 474 | 517 | 560 | 603 | 646 | 689 | 732 | 775 |
| MIL | 2.5 | 78 | 103 | 138 | 155 | 172 | 190 | 207 | 241 | 276 | 310 | 345 | 379 | 413 | 448 | 482 | 517 | 551 | 586 | 620 |
| MIL | 3 | 65 | 86 | 115 | 129 | 144 | 158 | 172 | 201 | 230 | 258 | 287 | 316 | 345 | 373 | 402 | 431 | 459 | 488 | 517 |
| MIL | 3.5 | 55 | 74 | 98 | 111 | 123 | 135 | 148 | 172 | 197 | 222 | 246 | 271 | 295 | 320 | 345 | 369 | 394 | 418 | 443 |
| MIL | 4 | 48 | 65 | 86 | 97 | 108 | 118 | 129 | 151 | 172 | 194 | 215 | 237 | 258 | 280 | 301 | 323 | 345 | 366 | 388 |
| MIL | 4.5 | 43 | 57 | 77 | 86 | 96 | 105 | 115 | 134 | 153 | 172 | 191 | 211 | 230 | 249 | 268 | 287 | 306 | 325 | 345 |
| MIL | 5 | 39 | 52 | 69 | 78 | 86 | 95 | 103 | 121 | 138 | 155 | 172 | 190 | 207 | 224 | 241 | 258 | 276 | 293 | 310 |
| MIL | 5.5 | 35 | 47 | 63 | 70 | 78 | 86 | 94 | 110 | 125 | 141 | 157 | 172 | 188 | 204 | 219 | 235 | 251 | 266 | 282 |
| MIL | 6 | 32 | 43 | 57 | 65 | 72 | 79 | 86 | 100 | 115 | 129 | 144 | 158 | 172 | 187 | 201 | 215 | 230 | 244 | 258 |
| MIL | 6.5 | 30 | 40 | 53 | 60 | 66 | 73 | 80 | 93 | 106 | 119 | 133 | 146 | 159 | 172 | 186 | 199 | 212 | 225 | 239 |
| MIL | 7 | 28 | 37 | 49 | 55 | 62 | 68 | 74 | 86 | 98 | 111 | 123 | 135 | 148 | 160 | 172 | 185 | 197 | 209 | 222 |
| MIL | 8 | 24 | 32 | 43 | 48 | 54 | 59 | 65 | 75 | 86 | 97 | 108 | 118 | 129 | 140 | 151 | 162 | 172 | 183 | 194 |
| MIL | 9 | 22 | 29 | 38 | 43 | 48 | 53 | 57 | 67 | 77 | 86 | 96 | 105 | 115 | 124 | 134 | 144 | 153 | 163 | 172 |
| MIL | 10 | 19 | 26 | 34 | 39 | 43 | 47 | 52 | 60 | 69 | 78 | 86 | 95 | 103 | 112 | 121 | 129 | 138 | 146 | 155 |

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)} \times 1.29} = \text{Range (yards)}$$

AT 33x

| SIZE OF OBJECT IN INCHES | | 9 | 12 | 16 | 18 | 20 | 22 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 |
|--------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| YARDS | | 0.250 | 0.333 | 0.444 | 0.500 | 0.556 | 0.611 | 0.667 | 0.778 | 0.889 | 1.000 | 1.111 | 1.222 | 1.333 | 1.445 | 1.556 | 1.667 | 1.778 | 1.889 | 2.000 |
| MIL | 1 | 250 | 333 | 444 | 500 | 556 | 611 | 667 | 778 | 889 | 1000 | 1111 | 1222 | 1333 | 1445 | 1556 | 1667 | 1778 | 1889 | 2000 |
| MIL | 1.5 | 167 | 222 | 296 | 333 | 370 | 407 | 444 | 519 | 593 | 667 | 741 | 815 | 889 | 963 | 1037 | 1111 | 1185 | 1259 | 1333 |
| MIL | 2 | 125 | 167 | 222 | 250 | 278 | 306 | 333 | 389 | 444 | 500 | 556 | 611 | 667 | 722 | 778 | 833 | 889 | 945 | 1000 |
| MIL | 2.5 | 100 | 133 | 178 | 200 | 222 | 244 | 267 | 311 | 356 | 400 | 444 | 489 | 533 | 578 | 622 | 667 | 711 | 756 | 800 |
| MIL | 3 | 83 | 111 | 148 | 167 | 185 | 204 | 222 | 259 | 296 | 333 | 370 | 407 | 444 | 482 | 519 | 556 | 593 | 630 | 667 |
| MIL | 3.5 | 71 | 95 | 127 | 143 | 159 | 175 | 190 | 222 | 254 | 286 | 317 | 349 | 381 | 413 | 444 | 476 | 508 | 540 | 571 |
| MIL | 4 | 63 | 83 | 111 | 125 | 139 | 153 | 167 | 194 | 222 | 250 | 278 | 306 | 333 | 361 | 389 | 417 | 444 | 472 | 500 |
| MIL | 4.5 | 56 | 74 | 99 | 111 | 123 | 136 | 148 | 173 | 198 | 222 | 247 | 272 | 296 | 321 | 346 | 370 | 395 | 420 | 444 |
| MIL | 5 | 50 | 67 | 89 | 100 | 111 | 122 | 133 | 156 | 178 | 200 | 222 | 244 | 267 | 289 | 311 | 333 | 356 | 378 | 400 |
| MIL | 5.5 | 45 | 61 | 81 | 91 | 101 | 111 | 121 | 141 | 162 | 182 | 202 | 222 | 242 | 263 | 283 | 303 | 323 | 343 | 364 |
| MIL | 6 | 42 | 56 | 74 | 83 | 93 | 102 | 111 | 130 | 148 | 167 | 185 | 204 | 222 | 241 | 259 | 278 | 296 | 315 | 333 |
| MIL | 6.5 | 38 | 51 | 68 | 77 | 85 | 94 | 103 | 120 | 137 | 154 | 171 | 188 | 205 | 222 | 239 | 256 | 274 | 291 | 308 |
| MIL | 7 | 36 | 48 | 63 | 71 | 79 | 87 | 95 | 111 | 127 | 143 | 159 | 175 | 190 | 206 | 222 | 238 | 254 | 270 | 286 |
| MIL | 8 | 31 | 42 | 56 | 63 | 69 | 76 | 83 | 97 | 111 | 125 | 139 | 153 | 167 | 181 | 194 | 208 | 222 | 236 | 250 |
| MIL | 9 | 28 | 37 | 49 | 56 | 62 | 68 | 74 | 86 | 99 | 111 | 123 | 136 | 148 | 161 | 173 | 185 | 198 | 210 | 222 |
| MIL | 10 | 25 | 33 | 44 | 50 | 56 | 61 | 67 | 78 | 89 | 100 | 111 | 122 | 133 | 144 | 156 | 167 | 178 | 189 | 200 |