

# RETICLE MIL-DOT



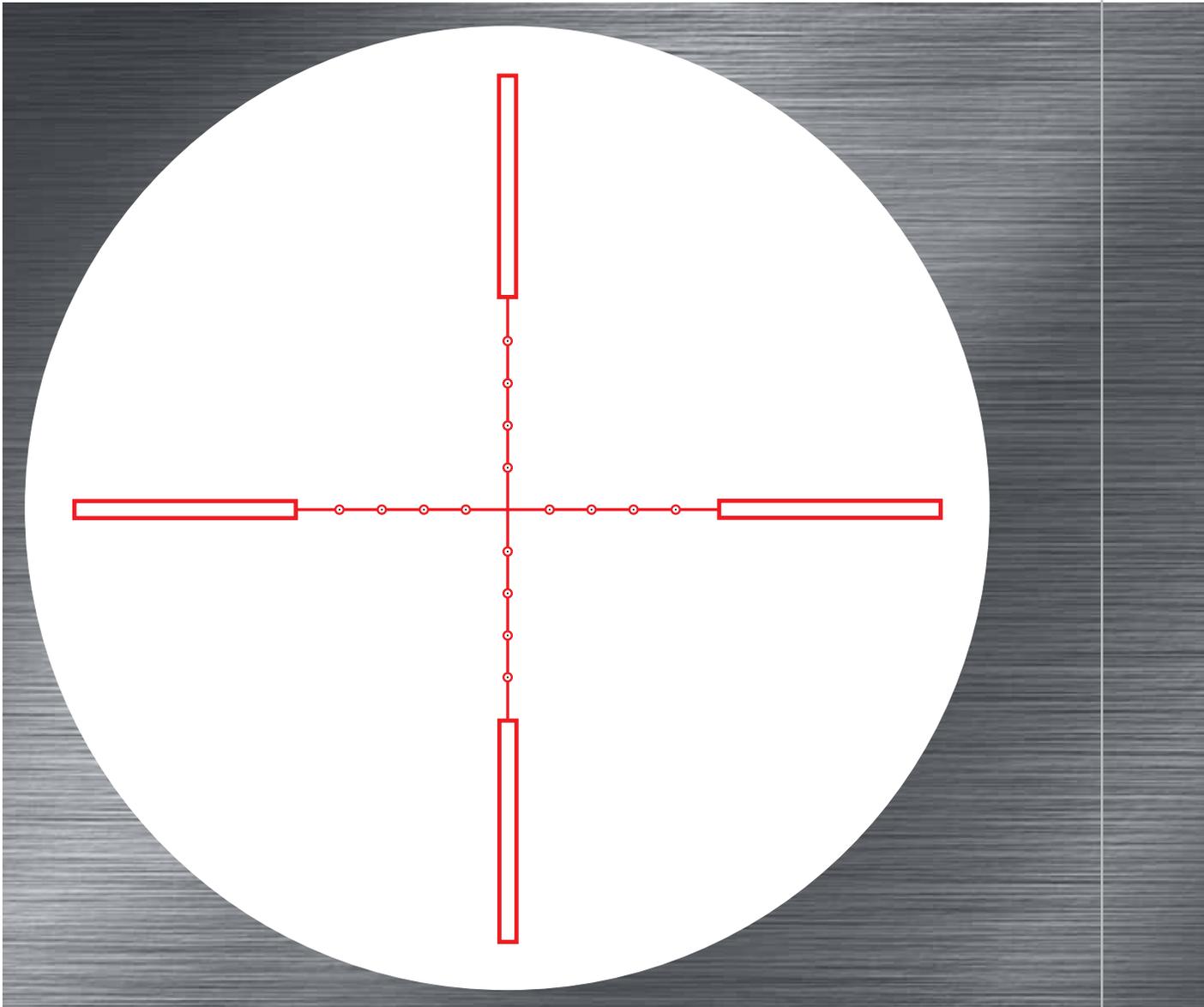
**Available in:**

2.5-10X, 3.5-15X, 5.5-22X and 8-32X NXSTM riflescopes

Superior to traditional mil-dot designs  
Allows precise estimation of range  
1 mil spacing between dots



**NIGHTFORCE®**



**Applications:**  
Field tactical

# RETICLE MIL-DOT

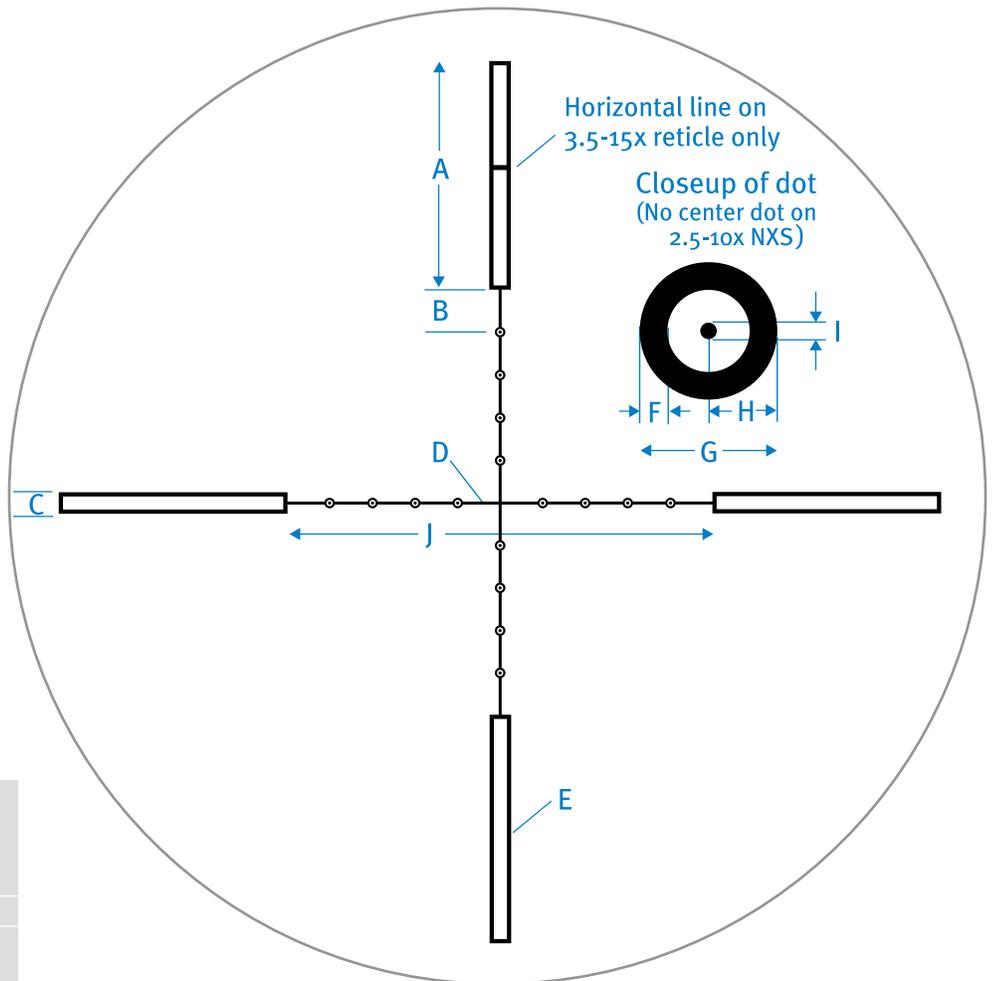
Developed by the military, the Mil-Dot reticle allows the sniper to efficiently estimate range to target. It is the most popular reticle design for law enforcement use.

Nightforce has improved upon older mil-dot styles with the creation of see-through round dots placed on the vertical and horizontal cross lines that serve as reference points. All four posts can also be seen through. Instead of solid dots and posts that can obscure the target, the Nightforce design allows the sniper to more accurately and quickly estimate range to target.

The dots are spaced precisely 1 mil apart, representing 3.6 inches at 100 yards at specified power. The reticle is etched on precision multi-coated compound glass, eliminating possible breakage and misalignment.

Nightforce illumination technology allows the reticle to glow red, and it can be adjusted across a range of intensities. This insures excellent reticle contrast in low light when illuminated, or a well-defined black reticle when not illuminated.

- See-through dots and posts will not obscure target
- Allows more accurate range estimation than other mil-dot designs
- Illumination standard



## Reticle subventions

|   |   |  |
|---|---|--|
| A | 7 MILRADIAN @ 4X<br>5 MILRADIAN @ 15X   | 5 MILRADIAN @ 10X<br>2 MILRADIAN @ 22X     |
| B | 1 MIL (3.43775 MOA/3.6" @ 100 YARDS)  |  |
| C | .5 MILRADIAN @ 4X<br>.45 MILRADIAN @ 15X  | .45 MILRADIAN @ 10X<br>.46 MILRADIAN @ 22X |
| D | LINE THICKNESS:<br>.1875 MOA @ 4X .13 MOA @ 10X<br>.13 MOA @ 15X .093 MOA @ 22X |  |
| E | LINE THICKNESS:<br>.30 MOA @ 4X .20 MOA @ 10X<br>.20 MOA @ 15X .21 MOA @ 22X    |  |
| F | 1/16 MILRADIAN  |  |
| G | 1/4 MIL   |  |
| H | 1/8 MIL   |  |
| I | 1/32 MIL (no center dot on 1-4x)  |  |
| J | 10 MILS (inside edge to inside edge)  |  |

## Ranging usage

| Riflescope | Power setting |
|------------|---------------|
| 2.5-10X    | 10X           |
| 3.5-15X    | 15X           |
| 5.5-22X    | 22X           |
| 8-32X      | 22X*          |
| 12-42X     | 22X*          |

\* Signified by an "R" on power zoom ring

Please note that accurate rangefinding with the Mil-Dot reticle can only be accomplished at the power settings shown above, relative to the specific model of Nightforce riflescope.

## Range estimation

Nightforce Mil-Dot reticles can provide an accurate estimate of range when the size of your target is known, by using the following formula:

$$\text{Target Size in Inches} \div \text{Image Size in Mils} \times 27.77 = \text{Distance in Yards}$$

For example, you see a groundhog that you estimate is 10 inches tall. Viewing it through the reticle at the proper ranging power setting, the animal appears as .6 mils (the space between dots is 1 mil):

$$10 \div .6 = 16.67 \times 27.77 = 463 \text{ yards to target}$$

## NIGHTFORCE

336 Hazen Lane • Orofino, ID 83544 • 208.476.9814

www.nightforceoptics.com

© Nightforce Optics, Inc. 2011 5/16