



**EUROP-ARM**  
Depuis 1973

Folding binoculars RTI 10 x 25

<https://www.europarm.fr/en/produit-1657-Folding-binoculars-RTI-10-x-25>



**RTI** Optics

SKU	Designation	French Law
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- Excellent image quality, long service life and very good reliability even in difficult conditions.
- The lenses and prisms are made with very high quality glass, multilayer treated.
- Reduced weight and pleasant, ergonomics studied for a fatigue-free observation, folding eyecups.
- Field at 1000 m: 101 m.
- Output pupillary diameter: 2.5 mm.
- Type of prism: roof.
- Twilight index: 15.8 - Brightness: 6.25.
- Supplied with Cordura cover.

**Calculation of the twilight index:** square root of the product of magnification and diameter. For 8x42 binoculars, this is the root of 8x42, that is, the root of 336 = 18.3.

The higher the crepuscular index, the better. Indeed, the higher this index is, the more we will see details. There is another criterion for binocular clarity: brightness.

The brightness is obtained by squaring the diameter of the exit pupil ( $42/8 = 5.25$  mm), that is to say by multiplying it by itself. In our example, the relative brightness is:  $5.25 \times 5.25 = 27.6$ . The higher this value, the better. When less than 15, binoculars are especially suitable for daytime use.

Binoculars with a twilight index greater than 25 may be called night binoculars. The limit is however fuzzy. A high crepuscular index combined with low brightness (12x40 binoculars have a twilight index of 21.9 but a brightness of 11.1) will be difficult to handle.

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