



# Kern Military Binoculars 8 x 30





# Kern Military Binoculars 8 x 30: A Top-line Optical Product of Proven Quality that Conforms to Stringent Military Requirements.

## Brilliant Optical Performance

Outstanding image sharpness and contrast, resolution capabilities that exceed those of the human eye, together with optimized color correction ensure a brilliant, 3-dimensional image.

## Binoculars that can take Rough Handling

Completely encased in rubber to provide effective protection against impact and jolts. The binoculars can be used under the roughest conditions without a case.

## Ruggedized, Dustproof, Water-resistant

Dependable in any environmental conditions.

## Ergonomic Shape

Light and handy. The easy grip and compact design allows the binoculars to be held steadily and without fatigue for long periods of observation.

## Coated Optics

Weather-proof anti-reflection coating on all optical components guarantees an absolute minimum of light loss which results in optimized twilight performance.

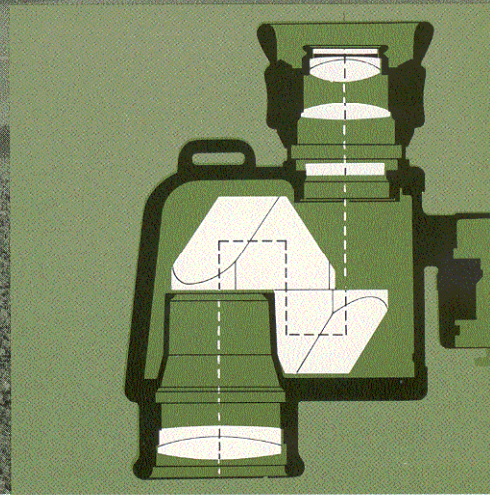
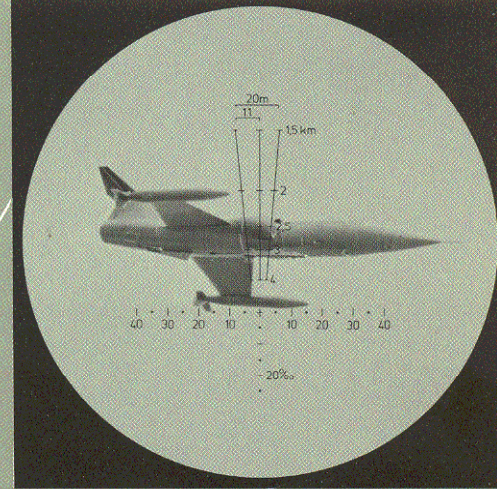
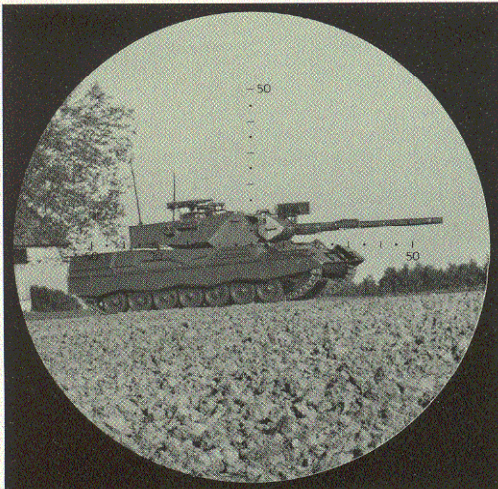
Various graticules can be built into the left eyepiece according to specifications. These include:

### Graticule for Terrestrial Observation

Graticule graduation in mil for measuring angles and estimating distances in the field.

### Graticule for Aerial Observation

Special graticule graduation for estimating the distance of airborne targets combined with a graticule graduation in mil for measuring angles and estimating distances in the field.





# Kern Military Binoculars 8 x 30: Perfected Technology down to the Last Detail

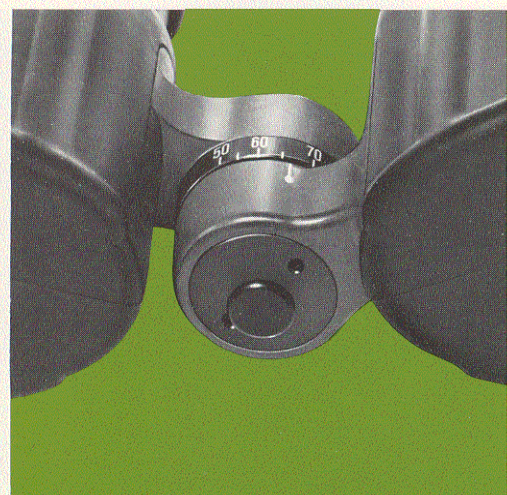
## All-weather Capability



## High-precision Optical System

Kern uses materials of the very best quality for all optical and mechanical components. This quality together with well tried design, manufacturing and quality assurance methods results in binoculars of extreme precision.

The Kern 8 x 30 military binoculars are designed for use under the worst conceivable climatic conditions. The binoculars are resistant to climatic fluctuations, dust and splashwater. Even after hard blows, jolts or vibrations, the adjustment of the optical system is preserved within extremely narrow tolerance limits.



## Service-friendly Articulated Axle

Thanks to the innovative articulated axle, the optical axes of the two halves of the binocular are absolutely parallel, precisely adjusted and free of drift errors. The halves of the binoculars can be interchanged on repair without requiring readjustment.

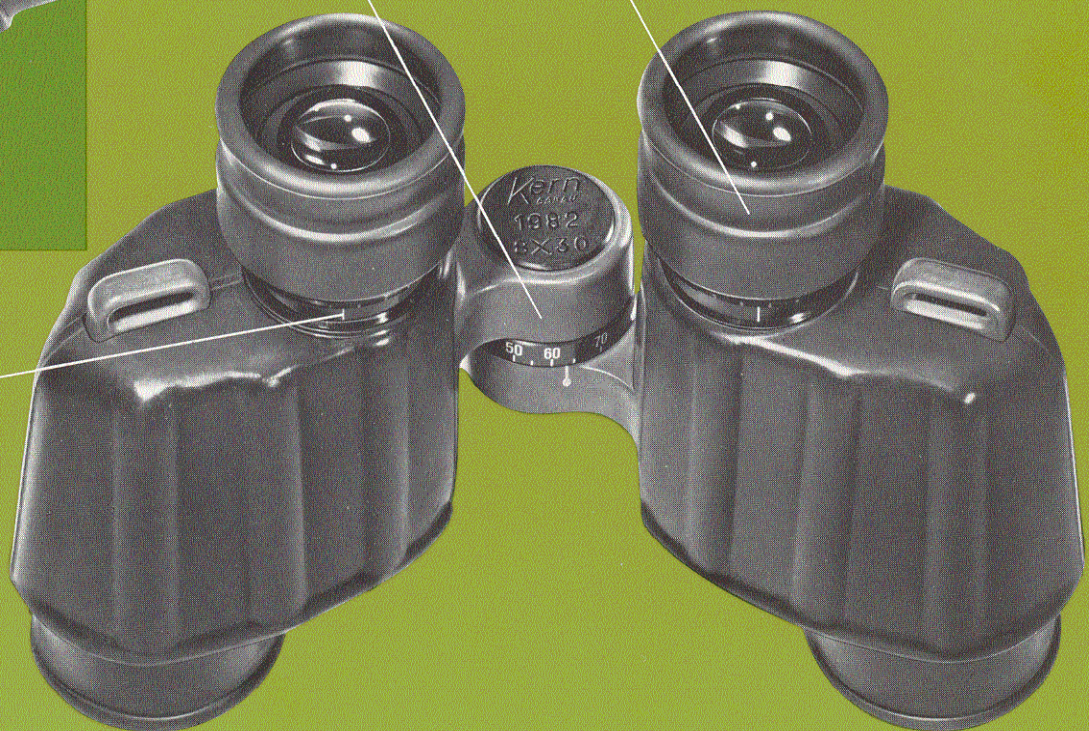
## Ocular Eye Cups

The soft rubber eye cups effectively protect the oculars against impact and can be folded down for spectacle wearers. This allows the spectacle lens to approach the immediate vicinity of the ocular which results in only a small loss in the field of view.



## Individual Focusing

Optimum image sharpness is achieved by a single adjustment of both oculars to the observer's individual visual faculty. The critical focus is preserved by the stable and backlash-free ocular adjustment system.





Whenever the latest technologies are applied to the design of military optical instruments, Kern is at the forefront – and has been for decades. In the future, Kern will continue to incorporate scientific knowledge and technical progress in development of new and improvement of existing products while taking into account the individual needs and requirements of the user community.

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The standard version consists of the Kern military binoculars 8 x 30 with black leather strap.

**Accessories**

- Case made of khaki plastic (stamoid) with zip or velcro lock and 2 loops for attachment of the carrying strap. Inside pocket for solar filter.
- Rubber ocular cover to provide protection against rain and dust.
- Carrying strap made of black, textile-reinforced polyamide (2.5 cm wide) with stainless, plastic-coated snap hooks for fastening to case or to binoculars.
- Carrying cord made of black, textile-reinforced nylon with large height adjustment range.
- Attachable solar filters for glare protection under intense back-light conditions.



**Technical Data**

Magnification	8 x
Entrance pupil diameter	30 mm
Exit pupil diameter	3.75 mm
Light collecting power	14.1
Twilight number	15.5
Field of view at 1000 m	150 m
Field of view in degrees	8.4°
Diopter adjustment range	+ 10 diopters - 5 diopters
Operation temperature range	- 25 °C to + 50 °C
Storage temperature range	- 40 °C to + 60 °C
Weight	560 g
Dimensions: Height	approx. 114 mm
Width open	182 mm
closed	125 mm
Depth open	57 mm
closed	92 mm

**Special Models**

**Alternative Colors:**  
The Kern military binoculars 8 x 30 and accessories can be supplied in various colors on request.

**Graticule Illumination:**  
On request, the Kern military binoculars 8 x 30 will be supplied with a maintenance-free graticule illumination system that requires no power supply (tritium cold light cell T 230 mCi).

**Central Focusing:**  
The Kern military binoculars 8 x 30 are optionally available with the easy-to-operate central focusing device which also conforms to the most stringent military requirements.