

OMSAS | B



Barrel Alignment System

#EOTestandMeasurementSystems



BARREL AND FIRE LINE CALIBRATION
COMPATIBLE WITH DIFFERENT BARREL CALIBERS

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Barrel Alignment System

These high-precision opto-mechanical instruments are engineered to facilitate the meticulous alignment of the Line of Sight (LOS) for sophisticated optical and electro-optical fire control systems across diverse turreted platforms. Specifically optimized for boresighting procedures, the system exhibits exceptional modularity through interchangeable mandrels, ensuring seamless mechanical interface compatibility across a comprehensive range of bore diameters, spanning from 5.56 mm up to 155 mm.

A testament to its high-fidelity performance is the 12x borescope configuration—as integrated into the 35 mm KORKUT and GÖKDENİZ Air Defense Systems—which maintains critical synchronization between the barrel axis and fire control sensors at extended ranges of 5,250 meters.

General Specifications

- Operating temperature: -32°C to +46°C
- Compliance with MIL-STD-810H for environmental conditions
- Easy installation and use
- Ingeniously designed by ASELSAN Sivas

Technical Specifications

- Boroscope Dimensions : 52 x 185 x 110 mm
- Boroscope Weight : <0.75 kg
- Angle : 3.8°
- Diopter Adjustment : ±4
- Focusing Range : 15 m -> ∞
- Range Value : 1 milyem
- Mandrel (Island) : 5,56 / 7,62 / 8,59 / 12,7
20 / 25 / 30 / 35 / 105 / 120 mm
- Accuracy : 0.2 mrad
- Line Thickness : 0.1 mrad / 0.05 mrad



Specifications are subject to change without any notice. | All tolerances are within ±10%.



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