



# BORESIGHT DEVICES

*Muzzle reference system for weapon alignment*

Nedinsco's Muzzle Boresight Device (MBD) is used to check and correct the alignment of the gun with respect to the aiming device. It can be used in every rotational orientation without losing accuracy of the alignment. Nedinsco offers world's best alignment precision in a simple operating concept.

Having a ruggedized design and offering easy fixation in the gun, the Nedinsco Boresight devices are the most accurate and reliable weapon alignment tools found on today's market.

## KEY FEATURES

- Highest alignment precision, highest accuracy
- Ruggedized, simple operating concept
- Operates without power
- Direct sight through integrated reticle
- Unique clamping system, adapting to the gun diameter
- Covers most existing weapons and variants, easily adaptable to new weapon systems
- ITAR free



## BORESIGHTING WITH A BORCAM

Boresighting a MBT or IFV may be hard to do due to the height of the main gun. The Nedinsco BORCAM camera module can be mounted to our boresights, to allow the gunner to align the gun with the weapon's optical sensors from within the turret. A safe and efficient option, shortening the alignment time, reducing the number of people, and enhancing alignment accuracy by using a monitor.

The boresight can be used in every rotational orientation around the axis of the gun and the BORCAM module with 4 fixed orientations provides an upright image for the gunner. The monitor that comes with the BORCAM can be used inside and outside the turret.



## TECHNICAL SPECIFICATIONS – BORESIGHT DEVICES

	BORESIGHT 7.62	BORESIGHT 30	BORESIGHT 35	BORESIGHT 40	BORESIGHT 50	BORESIGHT 105
<b>MECHANICAL DIMENSIONS</b>						
Telescope, dimension (mm)	97.5 x 44 x 110		120 x 44 x 127			
Telescope, weight (kg)	0,25		0,45			
Mandrel, dimension (mm)	L247	L248	L245	L248	L238	L367
Mandrel, weight (kg)	0,11	1,85	4,85	2,25	3,45	6,15
Max. length muzzle brake (mm)	77	66	466	87	190	249
Stop plate Ø (mm)	24	34	39,5	44	65	63,5
<b>SYSTEM PERFORMANCE</b>						
Accuracy (mrad)	0,2		0,02			
<b>OPTICAL DATA</b>						
Magnification	8x		12x			
Field of View (°)	5,6		3,7			
Diopter setting	± 4		± 4			
Focus range	25 m - ∞		25 m - ∞			
<b>RETICLE</b>						
Range (mils)	± 10		± 10			
Intervals (mil)	0,5		0,5			
Line width (mil)	0,08		0,06			
<b>GENERAL DATA</b>						
Fixation in gun	Flex hinge mechanism Adapting to the diameter of the gun		Clamping mechanism Adapting to the diameter of the gun			
Environmental tests (in extracts)	Complies with MIL-STD-810		Complies with MIL-STD-810			
Temperature	-21°C to +62°C		-21°C to +62°C			

