



# ALPHA® 900 SAR

Search and Rescue Helmet System



## World's First Waterproof Helmet System, Optimized for Air-to-Sea Operations, IP-67 Rated

Based on the design adopted by the U.K. MoD, and developed in partnership with wet-winch search and rescue aircrew in Bristow Helicopters, the ALPHA 900 Search and Rescue (SAR) Helmet System is the world's first waterproof rotary wing helmet system optimized for any search and rescue aircrew personnel conducting air-to-sea operations. Leveraging the modern and lightweight design of the ALPHA 900 Cross-Platform helmet shell, the ALPHA 900 SAR features corrosion-resistant hardware, plus a waterproof and salt-fog resistant communications system to ensure continued performance when exposed to water and spray. Optimized for interfacing to common SAR radios and configurable for all major aircraft intercom systems, the ALPHA 900 SAR is the ideal solution for aircrew operating near water.

Watertight COMMS  
Cable Connector



## KEY FEATURES

### Proven Performance

Based on the ALPHA 900 helmet design adopted by the U.K. MoD, the ALPHA 900 SAR meets all standard impact protection requirements to ensure aircrew safety.

### Fail-safe Communications

Optimized for air-to-sea search and rescue operations, the ALPHA 900 SAR's IP67 rated waterproof communications headset prevents failures associated with water and salt fog exposure.

### Optimal Hearing Protection

Offering an additional 2 dB noise attenuation versus the standard ALPHA 900 platform, the ALPHA 900 SAR provides increased protection from low frequency noise associated with rotary wing aircrafts.

### Withstands Harsh Environments

Corrosion-resistant hardware and nape adjustment mechanism preserves the life of the helmet.

### Readily Adaptable

Features a watertight communications downlead which can be connected to an aircraft intercom system during transport, and switched to a radio when disembarking from the aircraft.

### Night Vision Compatible

NVG compatible visor housing allows for integration of NVGs or other headborne optical equipment, while the advanced fitting system maintains helmet stability.

## Contact Us

**Norbo Savunma Sanayi ve Dış Ticaret Ltd. Şti.**  
Mustafa Kemal, Dumlupınar Blv. No:266B D:80  
06510 Çankaya/Ankara

Tel:+90 312 491 94 00  
Fax:+90 312 491 94 10  
info@norbo.com.tr



[www.norbo.com.tr](http://www.norbo.com.tr)



## ALPHA 900 SAR

### KEY SPECIFICATIONS

- IP-67 rated to prevent the ingress of dust, and water when immersed to 1 meter depth in water for 30 minutes
- Tested in accordance with MIL STD 810F, Method 509.4 Cyclic Salt Mist Test
- Impact levels not to exceed 300G
- Noise attenuation data:
  - 125 Hz = 9.5 dB
  - 250 Hz = 9.5 dB
  - 500 Hz = 21.1 dB
  - 1000 Hz = 25.3 dB
  - 2000 Hz = 37.8 dB
  - 4000 Hz = 43.3 dB
  - 8000 Hz = 43.8 dB

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