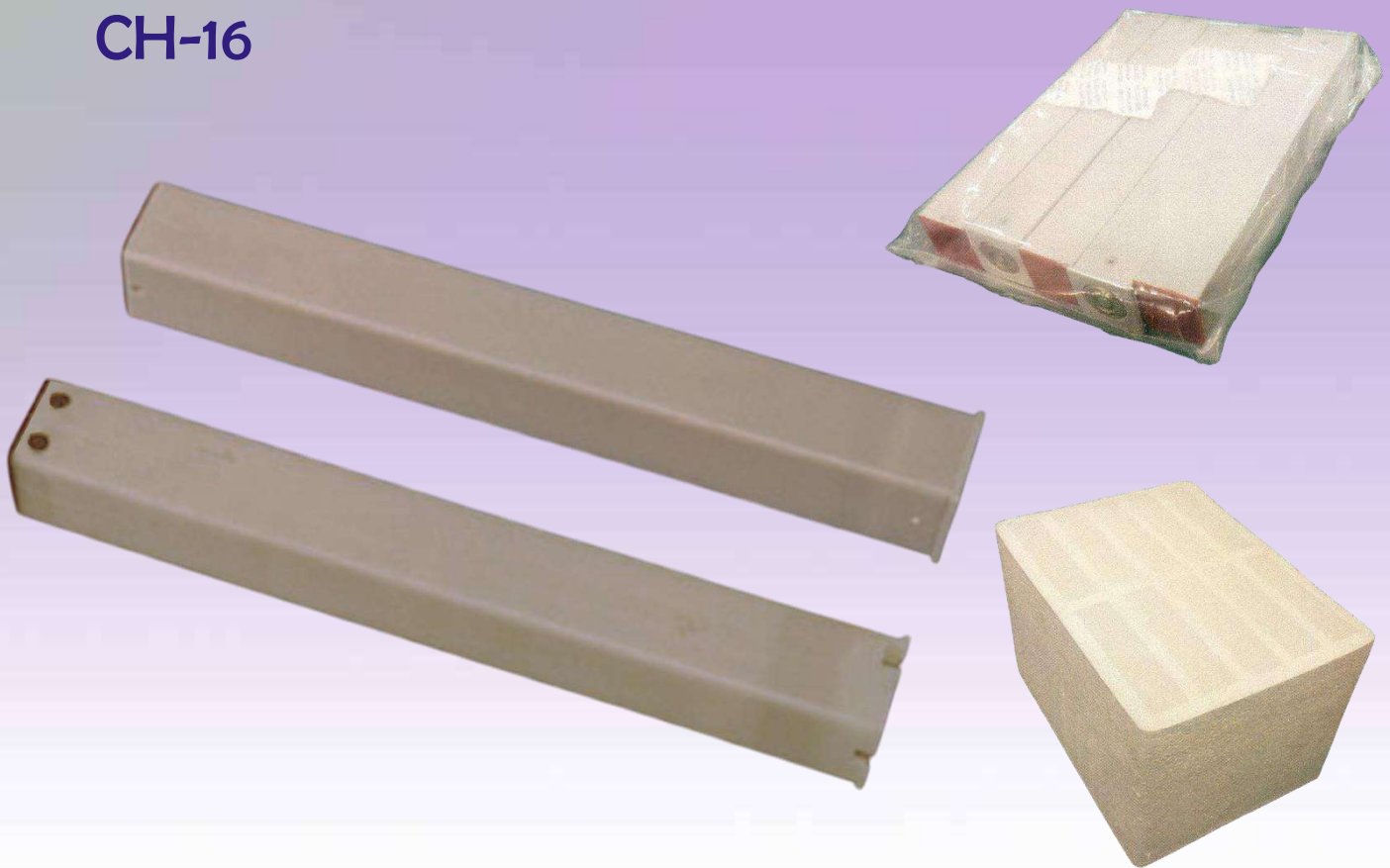




## CH-16



The CH-16 Chaff Countermeasure Cartridge is a critical component of modern aircraft defensive aids systems. Designed as a direct form, fit, and function replacement for RR-170, it provides reliable protection against radar-guided missile threats. By deploying a cloud of chaff dipoles, the CH-16 creates a superior radar return, deceiving incoming missiles and ensuring a safe miss distance for the host aircraft. Its design and broad compatibility make it a trusted solution for air forces worldwide.

### Key Features

- **Broad Compatibility:** Fully compatible with a wide range of dispenser systems including AN/ALE-39, AN/ALE-40, AN/ALE-45, and AN/ALE-47 series, as well as M130, M147, and dispensers from Terma, MBDA, and Thales.
- **Optimized Performance:** Features a broad-band chaff payload optimized to counter multiple radar threats. The payload can be customized to meet specific mission and threat profile requirements.
- **Proven Reliability:** Engineered for maximum reliability in extreme environmental conditions, ensuring performance when it matters most.
- **Logistical Simplicity:** Features a long shelf life and is certified for safe and efficient transport and handling.



<b>Parameter</b>	<b>Specification</b>
<b>Operational parameters</b>	
<i>Frequency range</i>	2-18 GHz
<i>RCS</i>	>15 m <sup>2</sup>
<i>Ejection velocity</i>	20-40 m/s
<b>Chaff Hanks</b>	
<i>Aluminum coated fiber diameter</i>	21±4µm
<b>Outer Case</b>	
<i>Material</i>	ABS
<i>Length</i>	207 mm (max)
<i>Body Cross-Section</i>	26 mm x 26 mm (nominal)
<b>Weight</b>	
<i>Cartridge Weight (without impulse cartridge)</i>	135 g (nominal)
<i>Ejected Payload Weight</i>	90 g (nominal)
<b>Initiation System</b>	
<i>Compatible Impulse Cartridges</i>	BBU-35 (provided separately)
<b>Environmental &amp; Operational</b>	
<i>Operating Temperature Range</i>	-46°C to +71°C
<i>Storage Life</i>	>10 Years
<i>Service Life</i>	1 year
<i>Storage temperature/ Humidity</i>	Stored at -5°C to 40°C @ <70% RH

## Packing

- 5 Chaff Cartridges CH-16, including a Silica Gel bag, are hermetically sealed in a plastic bag (1 Set). Later 10 Sets (50 Chaff Cartridges CH-16) are packed in a foam box.
- Two foam boxes, containing a total of 100 Chaff Cartridges CH-16, are packed in a wooden box accompanied by a QC certificate and packing list.
- The noun, part number, lot, date of manufacture (DOM), expiry, and frequency band are printed on the wooden box.

## Quality & Compliance Standards

The Chaff is manufactured to the highest quality standards under the Aerospace production system AS 9100D BS EN ISO 9001:2015 and certified for Nadcap standards. Production is well equipment for testing adhere to stringent military specifications and quality assurance procedures.