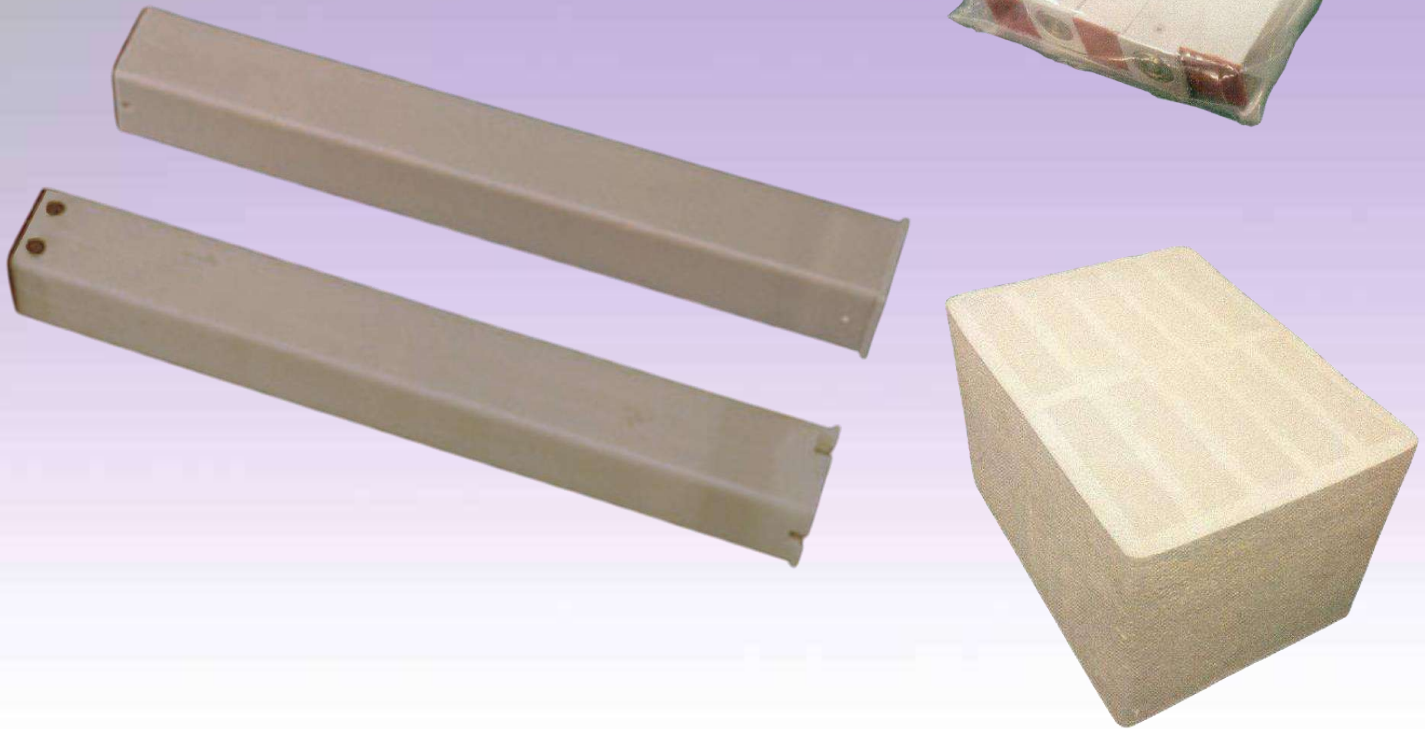




CH-16



The CH-16 Chaff Countermeasure Cartridge is a critical component of modern aircraft defensive aids systems. It is designed as a direct form, fit, and function replacement for RR-170/ RR-188 versions. CH-16 can be filled with different chaff hanks to meet either the full E through J band (2–18 GHz) for broadband protection or I through J band (8–18 GHz) for optimization against higher-frequency threats. The cartridge deploys a cloud of chaff dipoles that creates a superior radar return, deceiving incoming radar-guided missiles and ensuring a safe miss distance for the host aircraft. It is operationally proven on platforms including the PAF F-16, with CH-16 as a trusted, combat-ready countermeasure solution.

Key Features

- **Broad Compatibility:** Fully compatible with a wide range of dispenser systems including Mohafiz CFD system, 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:** Detailed qualification test performed for reliability in extreme environmental conditions, ensuring performance and reliability.
- **Logistical Simplicity:** Features a long shelf life and is certified for safe and efficient transport and handling.



Parameter	Specification
Frequency range	2-18 GHz
RCS	>15 m ²
Ejection velocity	20-40 m/s
Hanks Aluminum coated fiber diameter	21±4µm
Material	ABS
Length	207 mm (max)
Body Cross-Section	26 mm x 26 mm (nominal)
Cartridge Weight (without impulse cartridge)	135 g (nominal)
Ejected Payload Weight	95 g (nominal)
Compatible Impulse Cartridges	CT-14, BBU-35 (provided separately)
Storage Life	>10 Years
Service Life	1 year

Packing

- 5 CH-16 Chaff Cartridges, 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 fiberboard accompanied by a Quality certificate and packing list. The box can be supplied on pallets.
- 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.