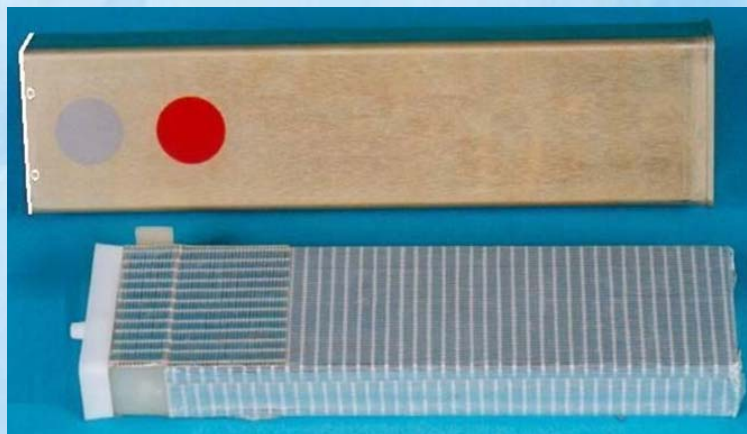


Chemring countermeasures

Product data sheet
Issue 2

DSTL 23

Flare Countermeasure



An Advanced Decoy Flare for fighter aircraft

This 2x1" Flare is used in aircraft countermeasures systems to combat advanced heat-seeking missiles employing spectral discrimination techniques. The Impulse Cartridge is fitted during manufacture of the flare and provides the means of ejecting the payload. The flare can be housed in a multiple shot magazine as fitted to countermeasures dispensing sets AN/ALE 40, 45 and 47 series, M130/M147, MBDA, Alkan, Terma, MES, Rokar, SAAB Avitronics and Vinten systems for example. The flare offers improved performance, reliability, and safety by means of a safe sequencer to ensure the flare remains safe until pyrotechnically ejected from its outer case.

The DSTL 23 flare is a direct fit & form alternative to all other 2x1" flares and is suited to fighter aircraft. As well as offering protection against advanced threats, it provides improved performance, reliability and safety by means of the Sequenced initiation device.



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Chemring Countermeasures DSTL 23 Flare Countermeasure



DSTL 23

Flare Countermeasure

Leading Particulars

Designation:	Flare Countermeasure DSTL 23
NATO Stock Number:	1370-99-987-5794
Internal Code:	58567 with PW21 Mk2 Impulse Cartridge

Physical Characteristics

Weight:	340g
Ejected Weight:	260g
Length:	206mm
Cross Section:	51.82mm x 24.64mm
Operating Temperature:	-46 °C to +76 °C
Exposure Temperature:	-65 °C to +85 °C
Net Explosive Content:	220g
Shelf Life:	3 Years

Typical Performance

Ejection Velocity:	25 to 40 m/sec
IR Output:	Restricted
Rise Time:	Restricted
Typical Burn Time:	Restricted
Reaction Force:	4.0kN max
Pulse Duration:	10ms max

Packing Details

UN Serial Number:	0093
UK Hazard Class:	1.3G
Quantity:	60
Estimated Net Weight:	23kg
Estimated Gross Weight:	28kg
Box Dimensions:	403 x 343 x 275mm
Proper Shipping Name:	Flares, Aerial

Chemring
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This data sheet shall not form part of a contract unless specifically agreed in writing between the Company and the Customer to be a term of the contract.