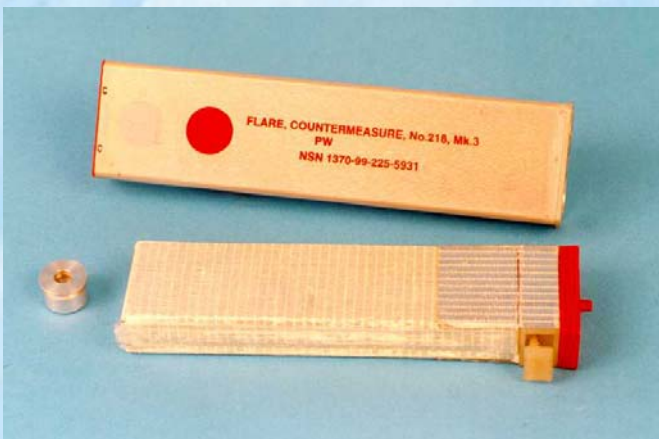




Flare 218 Mk4

Flare Countermeasure



Chemring countermeasures

A Flare for multiple platforms

The 218 Mk 4 Flare is used in aircraft countermeasures systems to combat heat-seeking missiles. 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, Terma, Rokar, MES, SAAB Avionics and Thales systems for example. The flare is a direct fit, form, and function replacement for the US MJU 7A/B Flare and offers improved performance, reliability, and safety by way of a safe sequencer initiation device.

Approved

The Pains Wessex Flare is approved and qualified by the UK MoD and Ordnance Board and is in service with the RAF and numerous overseas air forces on a wide variety of aircraft.



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Flare 218 Mk4

Leading Particulars

Designation	Flare Countermeasure No 218 Mk4
NATO Stock Number:	1370-99-349- 6925
Internal Code:	58555 with PW21 Mk2 Impulse Cartridge
Weight:	380 g
Ejected Weight:	300 g
Length:	206mm
Cross Section:	51.82mm x 24.64mm
Operating Temperature:	-46 °C to +76 °C
Exposure Temperature:	-65 °C to +85 °C
Shelf Life	10 Years

Typical Performance

Ejection Velocity:	Classified
IR Output:	>3.5kW/sr @0.20 secs
Rise Time:	<0.2 sec
Minimum Burn Time:	3.5 secs
Reaction Force:	<2.5kN max
Pulse Duration:	10ms max

NB: All performance data is applicable from -10 °C to +70 °C, <24 km/hr wind speed, >2km visibility, measured at launch velocity in the 3-5µm Waveband.

Packing Details

Net explosive content:	260g
Hazard Class:	1.3G
UN Number:	0093
Shipping Dimensions:	465 x 470 x 325mm
Estimated Gross Weight:	32kg
Estimated Net Weight:	23kg
Proper Shipping Name:	Flares Aerial



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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.