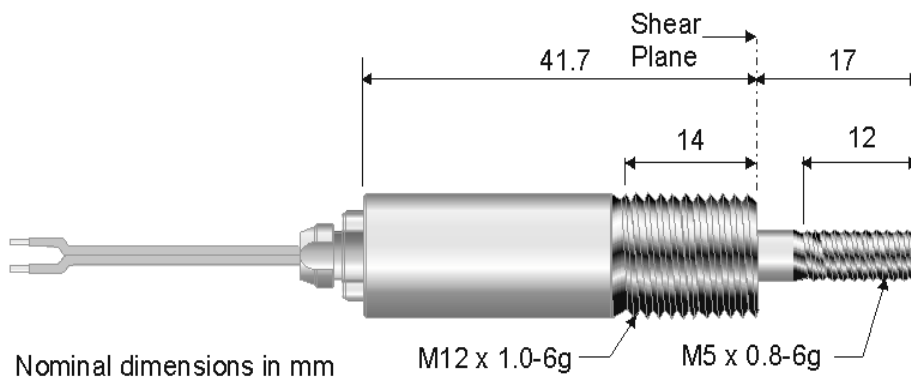


Leaffield

Engineering Limited



M5 RELEASE BOLT C94-130-3

GENERAL DATA

Mass	40g
Materials	Stainless steel body (including stud)
Operating temperature	-54°C to +100°C
Storage temperature	-30°C to +70°C
Life (20°C)	15 years (minimum)
ESTC classification	1.4S (UN Serial No: 0173)
Net explosive content	90mg maximum

FEATURES

For full RF protection the device is designed to be used in conjunction with LEL Filter Enclosure (C94-120-1/1 refers).

OPERATION

On firing the device will separate at the shear plane (shown above) with approx. 1mm protrusion of the internal piston beyond the shear plane. The end stud will be expelled at high velocity unless secured to the mating part. Advice should be sought from LEL regarding installation. There is no release of gas.

PERFORMANCE

Bolt minimum tensile failure load	10kN
Typical function time	within 20ms from initiation of firing pulse

ELECTRICAL CHARACTERISTICS

Resistance between leads	0.28 Ω
Maximum no fire current	1.25A
Recommended fire current	3.5A
Maximum test current	10mA
Insulation resistance	$\geq 100M\Omega$ at 100V DC