



# CHAMPION SPARK MARKER

## SELF-LUMINOUS SURVIVAL TOOL

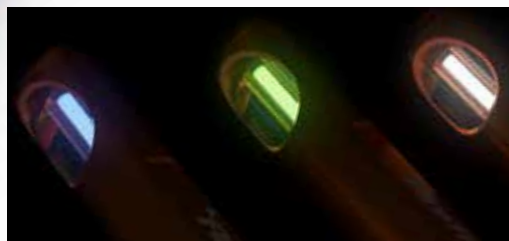
The Firefly **Champion Spark Marker** plugs a gap in the survival tools market by offering fire lighting and self-luminous marking capabilities in a single, integrated unit. Dual use is achieved by combining the very best spark-generating materials with a trigelight® Gaseous Tritium Light Source (GTLS). The only self-contained fire lighting tool which combines highly efficient sparking with magnesium-assisted ignition, all within a weatherproof, compact container.

Using the highest quality ferrocerium (flint) rod which, when struck with the uniquely efficient steel blade, produces an intense shower of sparks. Stored inside the container is lint, plus a magnesium bar. By adding magnesium flakes to the lint, reliable ignition of your tinder nest can be achieved quickly and easily.

A self-luminous GTLS tritium light source enables the Champion Marker to be seen in low-light and dark conditions as a marker for quick identification of location of assets. Simple, reliable and effective, operational efficiency and safety are enhanced during darkness.



- The Champion includes everything you need to quickly get a fire going
- Integral, highly effective striker blade ... by far the best available in the market
- Replaceable flint rod extends working life
- An intense shower of sparks every strike!
- Magnesium bar for accelerated tinder ignition, even in damp conditions (spares available)
- Integral trigelight® GTLS, 10+ years life
- High visibility orange finish
- No charging, batteries, bulbs or switches
- Reliable in all climatic conditions
- Cost-effective ...no spares or maintenance



**SELF-LUMINOUS SURVIVAL TOOL**  
**..... find it & use it fast in the dark!**

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### Illumination

Firefly Champion Spark Markers incorporate a trigelight® Gaseous Tritium Light Source (GTLS) which provides a reliable, safe and self-powered source of continuous light output. No battery or charging by ambient light is required during the lifetime of the product. GTLS comprise a sealed borosilicate glass capsule which contains a tiny amount of gaseous tritium, the power supply for the device. Beta-particle radiation (ie. electrons, released by the gaseous tritium as it decays) is harnessed to energise a phosphor coating on the inside surface of the capsule, causing it to glow. As a sealed source, they are non-emissive and of very low energy levels, so there is no external radiation risk. Every trigelight® source light is manufactured and tested in accordance with the UK MOD Defence Standard 62/4. GTLS contain no moving parts and, because the unit is continuously energised, an off/on switch is not required. They will remain energised for more than 10 maintenance-free years, even during extended periods of complete darkness. Trigelight® devices can be used in any environmental conditions, even under water, and in temperatures ranging from -20° to 70°C

### Specification

Champion Spark Markers are housed in a light-weight, aluminium enclosure (container and screw fit top-piece, complete with rubber grommet) The GTLS dimensions are 3.0x12.0mm, visible through a grade V0 polycarbonate window designed for wide-angle viewing. The striker is embedded in the container, providing a firm platform for strike action against the cylindrical flint rod. A 7mm slot is able to accommodate wire or split-ring attachment devices with ease.

The Champion is a tough, shock resistant tool.

**Length:** 86.0mm

**Diameter:** 12.0mm

**Weight:** 15.0g.

**Maximum Activity:** 1.0 GBq.

**GTLS Colour Options:** Green / White / Ice-Blue



### Functional Finish and Form

Elegant in appearance, Champion Markers are designed with simplicity and versatility in mind. As compact, lightweight and simple as possible, they will simply do the job and give years of safe, dependable, practical service.

### Flint-Marker Applications

- Self-contained, survival fire-lighting
- Environmentally-friendly ignition source
- Equipment & stores location / identification
- Route, trench location / identification
- Personnel marking during night operations
- Marking of obstacles and hazards

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# SP2

**Self Powered Safety Products**  
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