

## HFI Pyrotechnics History

HFI Pyrotechnics (HFI) (formerly Hands Fireworks) has been creating pyrotechnic magic since 1873, when it was founded by William Hand. HFI was initially a fireworks manufacturer and then transitioned into a pyrotechnics supplier for the Canadian Military during the first and second world wars. As a result, HFI developed a wide range of specialty pyrotechnic products to meet our clients evolving needs.

HFI Pyrotechnics' manufacturing facilities, are located in Edwardsburg Township, Ontario Canada. As a world leader in the design and manufacturing of specialty pyrotechnics products, HFI's products are used around the world by commercial and military clients to meet their specific pyrotechnic needs.

HFI is committed to meeting and exceeding all client expectations for product quality, performance and delivery time by continually improving our quality management system.

## Choosing HFI Pyrotechnics

- HFI possesses a great team of highly competent and well trained production staff, with years of experience in the pyrotechnic industry.
- HFI has over 100 years of experience in Pyrotechnics Manufacture for the Canadian National Defence.
- HFI Pyrotechnics is an ISO-9001 (2008) certified organisation, which incorporates lean manufacturing principles into all its operations.
- HFI is one of two companies in North America, licenced to be able to import and use Red Phosphorus in pyrotechnics.
- HFI operates on roughly 600 acres of land, which permits multiple products to be manufactured and stored on site simultaneously.
- HFI's close proximity to the US, allows easy and fast transportation to clients across the border.



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# HFI Pyrotechnics

Canada's leading producer  
of Military Pyrotechnics

# Military Pyrotechnics

[www.hfipyrotechnics.com](http://www.hfipyrotechnics.com)

## C8 Coloured Signaling Hand Grenades

The C8 family of hand smoke grenades consists of six versions; emitting smoke of different colours – green, orange, red, violet, yellow and white. The C8 grenade has been designed to meet Canadian Armed Forces requirements for a highly reliable pyrotechnic signaling device. Typical applications include the marking of own position to other troops, signaling to tactical air support, as target indicators for support weapons, or as a wind speed and direction indicator for helicopter or parachute operations.



## Marine Location Marker

The Marine Location Marker is a buoyant device which is designed to be released from helicopters, ships and fixed-wing aircraft to indicate position in the sea. The device emits a high intensity yellow flame and white smoke for 13.5 to 20 minutes. The Marine Location Marker is available in both sea water and sea/fresh water activated. It can also be purchased in two packaging options, Sceptre sealed container or Fibreboard box. In either case the product is vacuum sealed and has a tamper seal on the base.



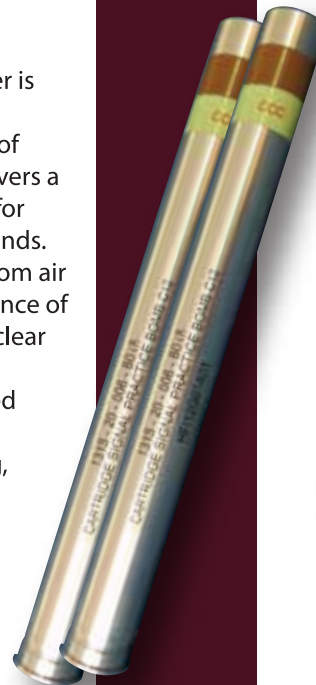
## Thunderflash

The Thunderflash is specifically designed for battlefield training exercises. It simulates battle noise by generating a loud report accompanied by a visible flash. Striker ignition and delay allows user to ignite and throw into position before the report and flash occur.



## Bomb C12

The C12 impact marker is designed to form an optically dense cloud of orange smoke that covers a vertical plane of 9 m<sup>2</sup> for duration of 5 - 10 seconds. The smoke is visible from air and ground for a distance of 3048 m (10,000 ft.) in clear conditions. The marker can be fired using the actual BDU-5002/B Low Drag, the Laser Guided Training Round BDU-59A/B and B/B variants.



## Simulator Projectile Ground Burst

Ground Burst projectile simulators are designed for training exercises to acclimatize troops to ground burst shelling. The devices produce a 3-second duration whistling sound of increasing pitch followed by a simulated explosion.



## Trip flare

The Surface Trip Flare is a military pyrotechnic device that is designed to provide early warning of infiltration of enemy troops and illuminate the area. The Trip Flare can be attached to a vertical surface by clamping, nailing or tying or ground installation. Installation includes a trip wire provided for triggering and igniting the flare. The Trip Flare produces a bright yellow-white light for approximately 55 seconds with approximately 35000 candlepower.

