



IKAROS

Swedish safety at sea since 1888

The Ikaros range
of equipment for
safety and security
at sea

Meet the Ikaros range of lifesaving signals

Ikaros stands for safety at sea. Our products are proven by years and years of use in the toughest conditions. When at sea, there are no room for mistakes. Ikaros offers all the sea safety products you need. But more importantly – we make sure they will work.

Ikaros has produced lifesaving signals since 1888, our products are globally approved and they meet the demanding SOLAS* requirements.

Your safety is our primary concern. This focus drives our research and development, and we continuously adapt our products to achieve optimal functionality, quality and reliability.

*International Convention for the Safety of Life at Sea

A history of reliability

In 1888 Carl Robert Hansson in Gothenburg founded Hansson Pyro-Tech. In the beginning, fireworks were the basis of the business, but in the 1890s the company also became known as a skilled and reliable manufacturer of ship's signals (blue lights). The product range was extensive and by the beginning of the 1920s the company was already producing all types of signals then available on the market, such as parachute rockets, blue and red lights, signal guns and lifebuoy lights.

But, it took a disaster to bring safety into serious international focus. On the night of 14 April 1912, the liner Titanic hit an iceberg and sank with massive loss of life. Two years later and as a direct result of the Titanic disaster, the first international conference on marine safety was held in London. Thirteen countries signed the first set of regulations – Safety of Life At Sea (SOLAS).

In 1959, a product was launched that would lay the foundation for Hansson PyroTech's position as the world's leading manufacturer of pyrotechnic distress equipment for use at sea. The Ikaros rocket signal revolutionized the market with its innovative design and rocket technology. Ikaros became a new concept and set the standard for hand-fired rockets.

Today, the entire company has taken the name of this ground breaking invention, Ikaros, and we are world leading in distress signals for ships and leisure boats.



Parachute rockets

The IKAROS rocket is used for long-range distress signaling on ships, lifeboats and life rafts. When activated, it launches a flare to attract the attention of rescuers.

The launching tube features clear instructions for use, and its non-slip surface ensures safe operation even when launched using one hand. The rocket is waterproof and can be held under water when fired.

Introduced in 1959, the IKAROS rocket has a design that is now used by most manufacturers around the world. As the leading parachute rocket on the market, IKAROS meets the highest demands for quality, performance, functionality and safe operation. It has been approved globally and conforms to the latest SOLAS regulations.



Parachute rocket

	Red	White
Flare ejection height	300 m	300 m
Light intensity	30,000 cd	100,000 cd
Burning duration	> 40 s	> 30 s
Dimensions	277 x 47 mm	277 x 47 mm
Weight	420 g	420 g
Ref. no.	34 01 00	34 02 00

Handheld flares

These handheld flares are designed to give maximum output from a minimum size container.

The red IKAROS handheld flare is for short-range distress signaling on ships, lifeboats and life rafts. It is also the best pinpoint signal for pleasure craft.

The white IKAROS handheld flare acts as a warn-off signal and is used by vessels and pleasure craft.

The IKAROS handsmoke is designed for daylight distress signaling.

The flares have been developed from the IKAROS parachute flare, which is known to be the best in the world. The case is made of corrosion-resistant steel and carries clear and simple instructions for use. IKAROS handheld flares have been approved globally and meet the latest SOLAS regulations.



Handheld Flares

	Red	White	Handsmoke: orange	Day and night distress signal
Light intensity	15,000 cd	10,000 cd	–	10,000 cd
Burning duration	> 60 s	> 60 s	–	> 15 s
Smoke time	–	–	> 60 s	> 15 s
Dimensions	243 x 30 mm	243 x 30 mm	243 x 30 mm	135 x 42 mm
Weight	235 g	235 g	200 g	190 g
Ref. no.	34 15 00	34 16 00	34 17 00	34 32 00

Buoyant smoke

The IKAROS buoyant smoke is a daylight distress signal and can be used on ships, lifeboats and life rafts.

The case is made of corrosion-resistant steel and carries clear and simple instructions, making the signal very easy to use. To activate it, simply remove the lid, pull the internal loop and throw it into the water. It will immediately emit smoke to draw attention.

The IKAROS buoyant smoke signal has been approved globally and meets the latest SOLAS regulations

Buoyant smoke

Smoke duration	> 3 min
Dimensions	95 x 101 mm
Weight	540 g
Ref. no.	34 21 30





Man overboard (MOB) light and smoke signal

This distress signal is designed to be mounted vertically on the ship's bridge, with one on the port and one on the starboard side.

It should be attached behind or to the side of a lifebuoy at a minimum of five meters above the water line. When the lifebuoy is thrown overboard, the MOB is pulled with it and as it leaves its bracket, it automatically emits light and smoke to attract attention to the person in the water. On smaller vessels, it can be mounted on the wheelhouse bulkhead and launched manually.

The MOB light and smoke signal has a lithium battery and can be used as a day and night marker. It is approved globally and meets the latest SOLAS regulations.

Man overboard (MOB) light and smoke signal

	MOB MK IV light and smoke	MOB MK IV smoke marker
Performance	Light 2 cd > 2 hours	-
Smoke duration	> 15 min	> 15 min
Dimensions	200 x 500 mm	200 x 500 mm
Weight (including bracket)	approx. 5 kg	approx. 5 kg
Ref. no.	34 51 05	34 52 05



Line thrower

The IKAROS line thrower is used for casting a pilot line for cables and ropes in rescue operations at sea. It can be used between ships, from shore to ship or ship to shore, and for rescuing personnel.

The IKAROS line thrower is a robust device consisting of a waterproof plastic container with integral handle and trigger mechanism, a solid fuel rocket and 300 meters of line. To activate it, the user must remove a safety pin, hold the device steady and pull the trigger.

The IKAROS line thrower is approved globally and meets the latest SOLAS 74/96 regulations.

Line thrower

Performance	Throws a line in calm wind
Length of line	300 m
Line diameter	4 mm
Line strength	2 kN
Dimensions	340 x 230 mm
Weight	4 kg
Ref. no.	34 61 00 Complete line thrower
Ref. no.	34 62 00 Replacement rocket
Ref. no.	34 63 00 Buoyant head

Line thrower replacement rocket

Each rocket has an integral igniter and includes instructions for easy installation.

Weight	650 g
Ref. no.	34 62 00

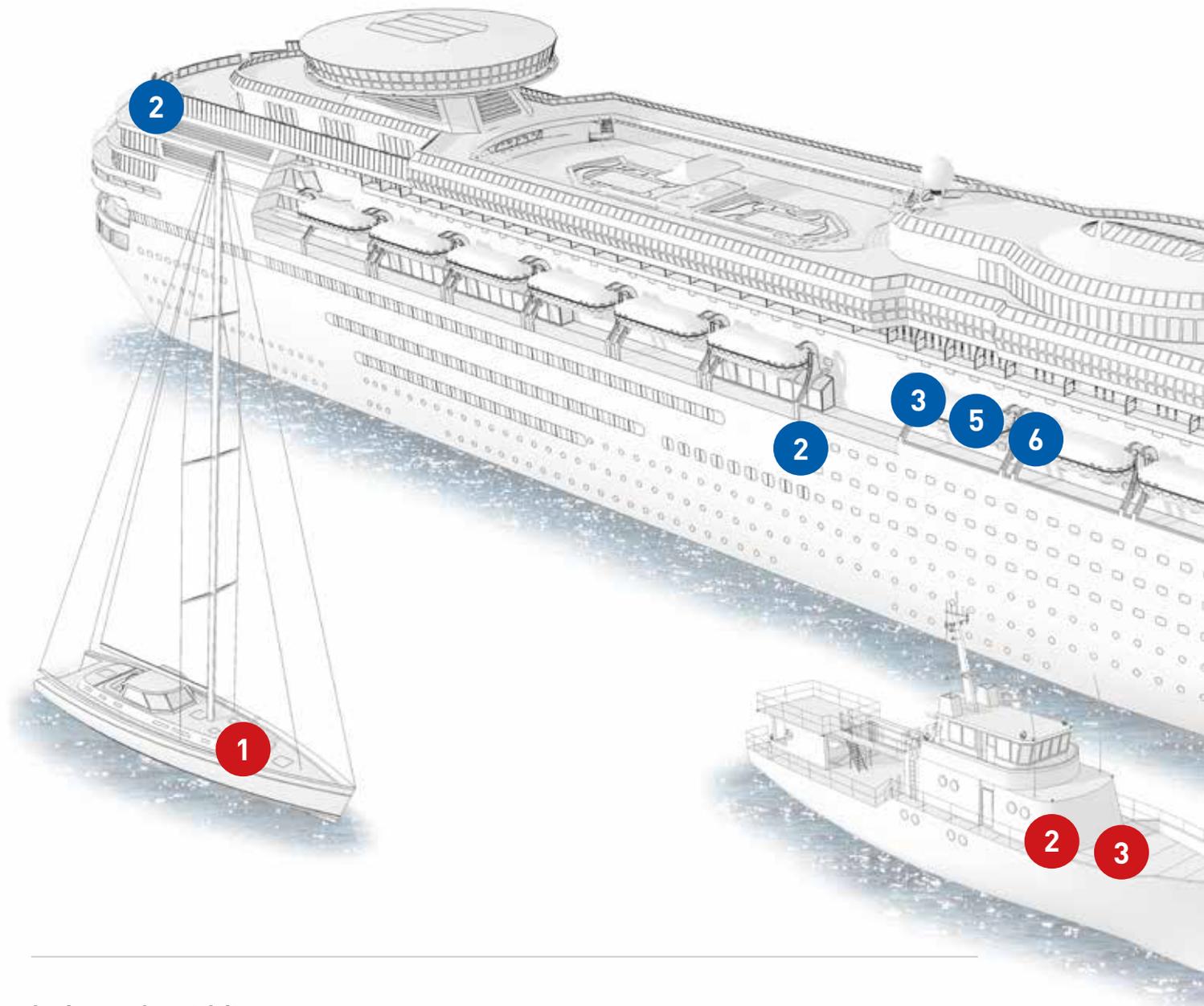
Line buoyant head

The IKAROS line buoyant head is screwed onto the front of the rocket within the IKAROS line thrower. When released, the buoyant head floats to ensure that the line can be easily located in the water.

Weight	170 g
Ref. no.	34 63 00







Leisure boat kits



Emergency call kit

This kit is suitable for those who prefer to sail in more inland archipelago areas and larger lakes. The Emergency call kit contains the minimum amount of safety equipment that should be on board, and is used when you need to signal your position quickly. The kit consists of one red IKAROS parachute flare and two red handheld flares.

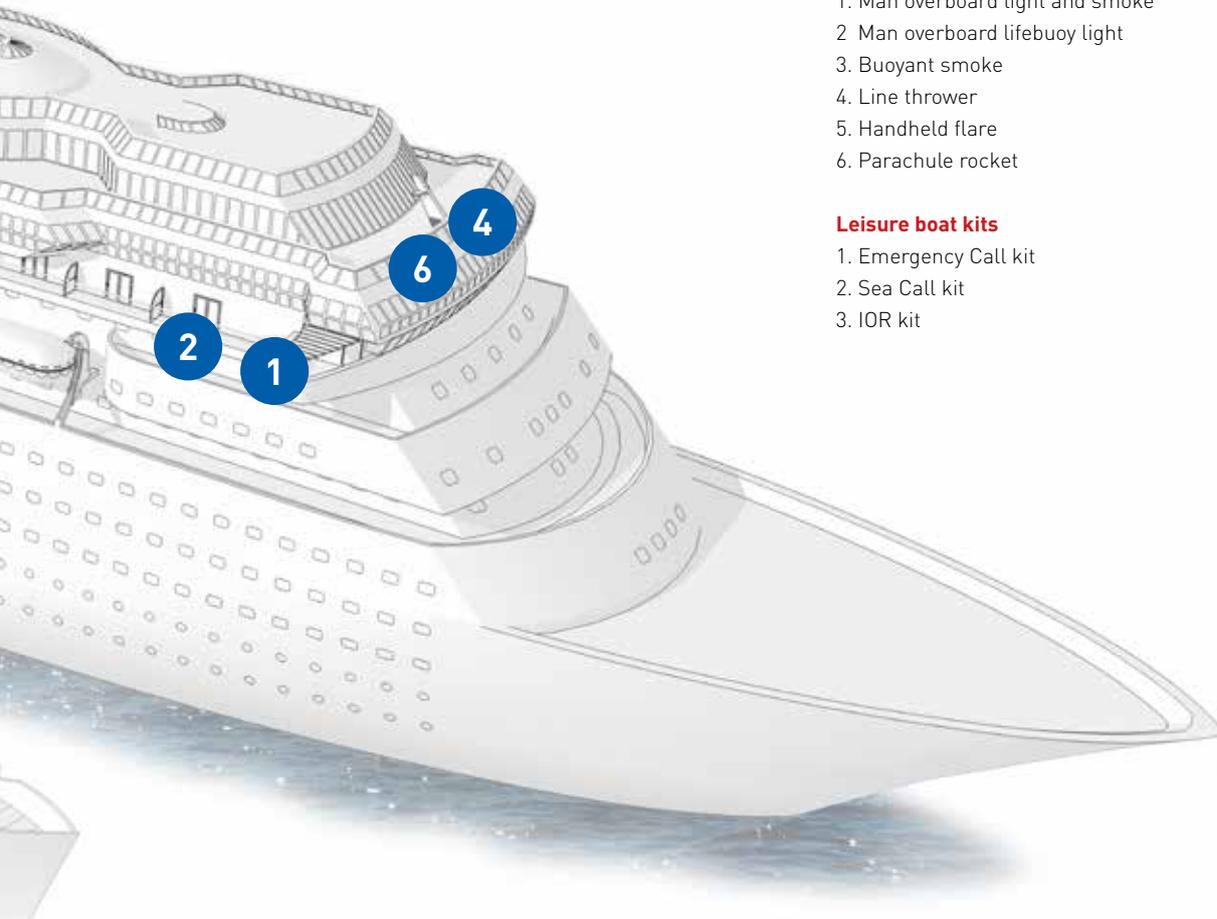


Sea call kit

This is designed for those who spend longer periods further out in archipelagos as it includes more flares. The Sea call is a good all-round kit that offers a high level of safety on board when sailing and cruising long distances from shore. The Sea Call kit consists of two red IKAROS parachute flares and two red handheld flares.

Example areas of use

Our products can be used on leisure and cruise boats of any size. To ensure easy and fast access and activation in an emergency, they should be stored in specific suitable locations on board.



Distress signals

1. Man overboard light and smoke
2. Man overboard lifebuoy light
3. Buoyant smoke
4. Line thrower
5. Handheld flare
6. Parachute rocket

Leisure boat kits

1. Emergency Call kit
2. Sea Call kit
3. IOR kit

Illustrations: JChamp, Will P., Polarstern.
www.3dwarehouse.sketchup.com



IOR kit

The IOR kit includes the most comprehensive set of safety equipment for sailing and cruising at sea. It is to be used aboard larger recreational boats that travel long distances.

The IOR kit consists of four red IKAROS parachute flares, four red handheld flares, four white handheld flares and two buoyant smoke signals.

Kits may vary between distributors. Ask your local dealer for what is available.



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