

## Life saving applications

### THE POLAR CODE

The IMO introduced the Polar code 1 January 2017, as an International Code for Ships Operating in Polar Waters. The Code acknowledges that polar waters may impose additional demands on ships beyond those normally encountered.

The mandatory framework for ships operating in polar waters mandates the carriage of group (GSK) and personal (PSK) survival kits based on the number of people onboard.

### SURVIVAL KITS

To support the requirement for minimum 5 days survival upon escape and evacuation, the Polar Code mandates the carriage of group (GSK) and personal (PSK) survival kits based on the number of people on board. Hansen Protection has been a pioneer in safety at sea since we launched kapok lifejackets in 1932. As one of the world's foremost developers and manufacturers of survival equipment, Hansen Protection can offer a range of essential products needed for survival in the polar regions.

**Hansen Protection supply fully compliant Personal & Group Survival Equipment sets.**



## Life saving applications

### Group Survival Kit GSK

Hansen Protections offer a fully compliant Group Survival Kit (GSK) with the essential products needed for survival in the polar regions. Products developed of the world's foremost developers and manufacturers of survival equipment as your personal protection against the polar elements.

Group survival kits (GSKs) should be carried whenever a voyage is anticipated to encounter ice conditions which may prevent the lowering and operation of survival craft. GSKs should be carried to cover at least 110% of the persons on board the ship. Group survival kits should be stored so that they may be easily retrieved and deployed in an emergency situation. Any containers should be located adjacent to the survival craft and life rafts. Containers should be designed so that they may be easily moved over the ice and be float able.

GSK kit from Hansen Protection contains all effects described in the Polar Code. These are products from reputable manufacturers and satisfy the necessary requirements and specifications. A short description of the individual products follows on the next pages.

- 1 Tent for 3 persons, size: 210 x 210 x 130 cm
- 2 Sleeping bag 225x80x50 cm. Filling: 100% Polyester (-10 degrees) (3)
- 3 Sleeping mat, size 200x50x1 cm (3)
- 4 Snow shuffle
- 5 Toilet paper
- 6 Outdoor Stove
- 7 Gasbox 220 gr
- 8 Flashlight emergency - Signal Torch Ip67
- 9 Matches stormproof
- 10 Signalling mirror. Heliograph Mirror - MCA
- 11 3-piece mess kit
- 12 Personal Survival Kit (PSK)
- 13 Waterproof bag/ 35x35x110 cm



*The contents of the kit may be different from what is pictured. It can be modified products or customer-specified content*

**Life saving applications - Product Documentation (GSK)****1 IGLO Tent for 3 persons size: 210 x 210 x 130 cm**

Tent for 3 people IGLO STANDARD of a total weight 2.2 kg. Made of water-repellent fabric (head of water amounts to 800 mm). The groundsheet is a very good isolation from the ground and high edge protects the tent from being flooded during heavy rains. Light and solid frame makes it easier to put up and fold the tent. The set of pegs and adjustable ropes ensures stable attachment of the tent to the ground and secures from tearing off. Wide, unzippable entrance makes it easier to comfortably enter to bedroom. Inside the tent there are 2 pockets for handy equipment. Multi-functional interior of the tent ensures high comfort to every user - over 70cm width per user.

**Product details:**

Nº of person: 3  
Material: Oxford Polyester, PU coated  
Groundsheet: Polyethylen  
Frame: Fiberglass  
Head of water: 800 mm  
Dimensions: 210x210x130cm (82x82x51in)  
in the cover: 64x18x13cm (25x7x5in)  
Color: Olive



## Life saving applications - Product Documentation (GSK)

### 2 Mummy Sleeping bag 225 x 80 x 50 cm

#### Product description

Two-layer mummy sleeping bag in small pack size. With a length of 225 cm, it is also suitable for tall people.

#### Product details

- 2-layer mummy sleeping bag
- Integral hood and thermal collar with drawstring
- 2-way zipper
- Zipper clamp protection (Velcro)
- Thermal collar along the zip
- Transport bag
- Dimensions: 225 x 80 x 50 cm
- Pack size: 45 x 45 x 68 cm
- Weight: 2,000 g
- Extreme range: up to approx. -10 degrees
- Upper material: 100% polyester, polyurethane coated
- Lining: 65% polyester, 35% cotton
- Filling: 100% polyester (hollow fiber, 2 layers, 500 g / sqm)
- Transport bag: 100% polyester



## Life saving applications - Product Documentation (GSK)

### 3 Sleeping pad 200 x 50 x 1cm

Olive-colored 100% EVA foam sleeping pad from Mil-Tec company.

The soft foam insulates against the cold, and in combination with the properly selected sleeping bag helps you to sleep comfortably.

Equipped with two elastic straps, preventing the pad from unfolding and simplifying its transport - e.g. attached to backpack.

Technical data:

- Size expanded: 200 x 50 x 1 cm
- Material: EVA foam
- Weight: 230 g
- Colour: Olive



## Life saving applications - Product Documentation (GSK)

### 4 Snow shuffle

#### Description

- weight only 75 grams incl. bag
- perfect to carry in your backpack
- comes with storage bag.
- length: approx. 81 cm
- dimensions drawer blade: 28 x 20cm

Material: aluminum





**Life saving applications - Product Documentation (GSK)**

**5 Toilet paper 6 pack**



## Life saving applications - Product Documentation (GSK)

### 6 Outdoor stove

A powerful, lightweight trekking stove with a separate windshield and compact design.

Stable large footprint performance stove with Auto-start piezo igniter. Ultra powerful burner with precision flame control. Operates via a braided hose. Serrated pan supports prevent pot slippage and fold in for compact storage. Cartridge locking ring secures connection to EN417 gas cartridge.

Steel/Brass

Piezo auto-start ignition system

Powerful burner head with precision flame control and separate windshield

Pan support included

For use with pans no more than 18cm in diameter

Wide footprint for additional stability on uneven ground

Fuelled by a remotely attached Go System EN417 gas cartridge

Compatible with any Go System threaded cartridge

3000 watts

144g of gas consumed per hour



Extend size: 17cm x 17cm x 7cm.

Pipe size: 35cm L

Each delivery in a nylon pouch

## Life saving applications - Product Documentation (GSK)

### 7 Gasbox 220g

GoSystem 2250 Powersource Premium Mix Gas Cartridge

- The GoSystem 2250 Powersource Premium Mix Gas Cartridge
- Threaded cartridge of premium mix butane, propane and iso-butane for use at low temperatures.
- Provides increased flame temperatures even in cold weather conditions.
- 220g / 396ml



## Life saving applications - Product Documentation (GSK)

### 8 Flashlight emergency

The AQFLA Morse Signal Torch is designed to ISO18813:2006 standards, ideal for liferafts and lifeboats.

It is IP67 waterproof and self-floatable with a highly efficient LED light and a powerful battery, delivering a 300cd light intensity for more than 9 hours.

- Ideal for liferafts and lifeboats
- Powerful white LED light
- Five year battery life
- Gently press for Morse signal code
- Deeply press for a steady light
- Functional, simple and compact design
- Packed in a waterproof box
- Spare battery and LED bulb



## Life saving applications - Product Documentation (GSK)

### 9 Matches Stormproof

These waterproof and windproof matches burn even while wet!

Designed to light in all extremes of weather, the match can withstand immersion in water and cannot be extinguished by wind, making it the ideal match when out in harsh conditions. Match head burn for 10 seconds. Waterproof tub comes with two extra striker surfaces in the tub.



## Life saving applications - Product Documentation (GSK)

### 10 Compact 4" signalling mirror, MCA approved.

This innovative mirror is lightweight. Robust and approved for marine and military use.

It is highly reflective giving it a range of well over 10 miles, for the 4" liferaft/lifeboat larger mirror. ›  
Designed for one handed operation. › Accurate and effective › Floats › Robust › Quick and easy to use ›  
Instructions printed on reverse side

NATO approved: NSN-6350-99-613-9818 c/w Type approved logo and Approved Lanyard.

Size: 10 x 10cm

Weight: 44g



## Life saving applications - Product Documentation (GSK)

### 11 3-Piece Mess Kit

- Three-Part Mess Tin Kit
- Clap Frame
- WWII German-Style Reproduction
- 100% Aluminum
- OD Green Powder Coat



## Life saving applications - Product Documentation (GSK)

### 12 Waterproof bag/ black 50 liter

#### Personal Survival Kit PSK (extra)

- Seven Oceans Standard Emergency rations 500g pack
- Seven Oceans 30x500 ml Emergency drinking water (3 )
- Underwear Shirt Basic Wool XL
- Underwear Pant Basic Wool XL
- Optimum 5-Finger Gloves
- Liner gloves
- Arctic Balaclava
- Wool Blanket
- Sunglasses cat 3 lenses Uv400
- Vomit Bag Paper
- SOLAS Whistle
- Thermos green 0,5
- Multi-function pocket knife
- Waterproof bag/ black 50 liter
- Ascomedic MS Emergency bag
- Rock Swim Boot
- [Survival Guide](#)





**Life saving applications - Product Documentation (GSK)**

**13 Waterproof bag/ 35x35x110 cm**

