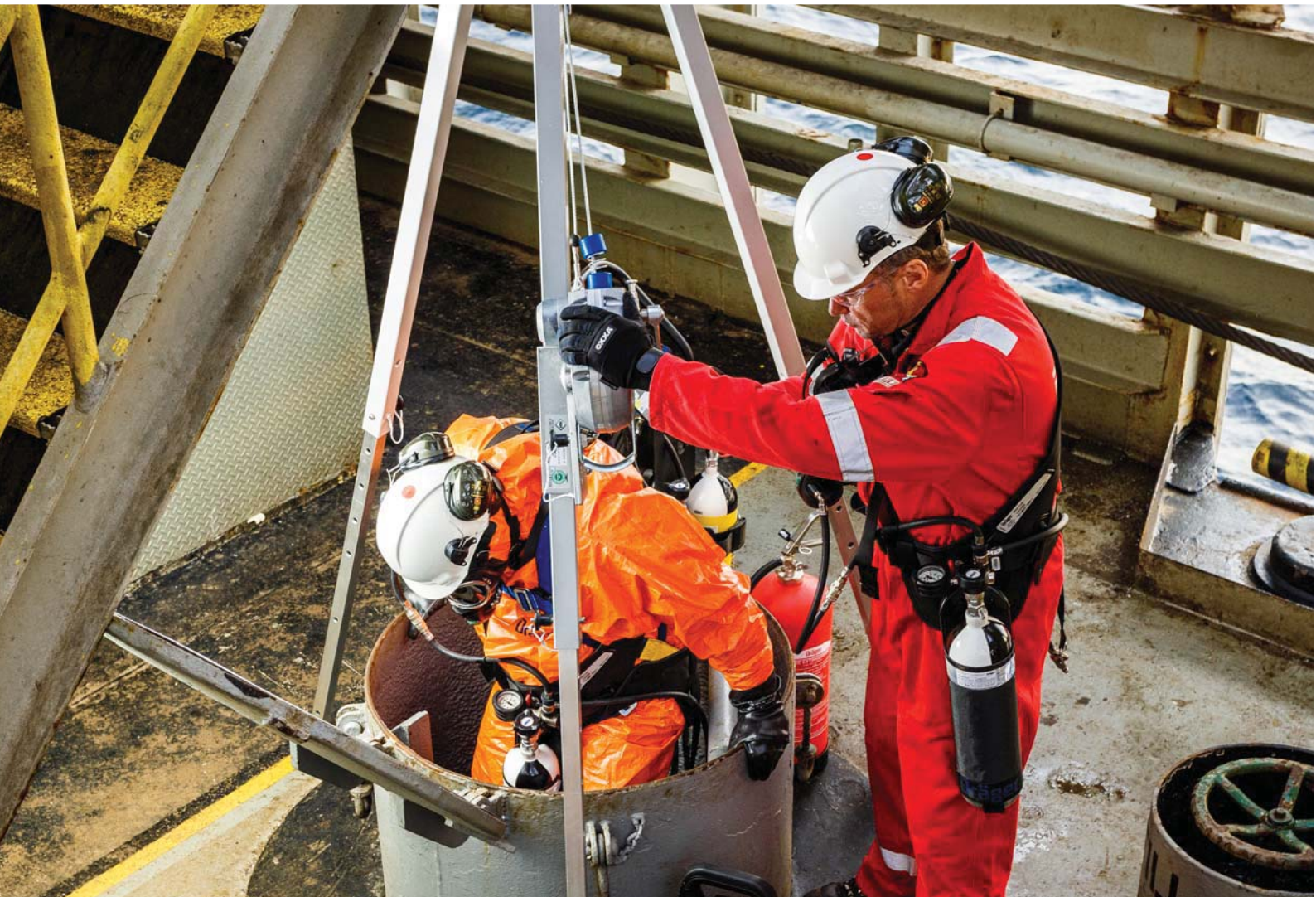


PRODUCT CATALOGUE

► OUR FRS PRODUCTS



Dräger Marine & Offshore has a long history of providing dedicated support to their customers, by supplying a wide range of quality products and services to a global audience for marine and offshore. This approach facilitates a Firefighting, Rescue and Safety (FRS) equipment and service capability from a single source. The Dräger Marine & Offshore organization is built around a proven total care FRS concept.

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Hoogvliet, 2019

Your safety
is our passion.



Supporting your safety culture since 1889 – FRS equipment, training and service from Dräger.

Hansen Sealife 150N Life Jacket

Hansen Sealife Life Jacket has a practical, space-saving design, which makes for a compact fit in onboard cabinets. The volume is 30 to 35% less than most of other life jackets.



Features

- easy to don
- waist belt suitable to lift wearer out of water in emergency
- retro reflective tape (8 pieces)
- light pocket
- adjustable chin strap for correct head angle
- securely fastened whistle
- easy adjustable belt

- floating buddy line in separate pocket
- life jacket safety light included

Available sizes: Adult - Child - Infant

- Adult - Height: 155 cm, Weight: 43 kg
- Child - Height: 100-150 cm, Weight: 15 - 43 kg
- Infant - Height: 100 cm, Weight: 15 kg

Hansen Sealife Life Jacket

For a compact fit

TECHNICAL SPECIFICATIONS

Type	Solid life jacket
Color	International approved 290 orange
Size	Infant-child-adult
Dimensions (packed)	320 x 290 x 230 mm
Dimensions (unpacked)	1040 x 290 x 120 mm
Weight	Hansen Sealife adult = 0.64 kgs Hansen Sealife child = 0.56 kgs Hansen Sealife infant = 0.48 kgs
Approvals	MED, SOLAS

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sealife Life Jacket, safety light included	1	SG05011

Hansen Sealife TP Life Jacket

Hansen Sea Life TP Life Jacket comes in adult and child models and is approved according to the newest NMD (Norwegian Maritime Directorate) requirements as a thermal life jacket.



Features

- protects against drowning
- insulation that counteracts hypothermia / heat loss from the head, neck, chest and groin
- designed to protect vital body parts and reduce cold shock
- derives as a regular jacket and is easy to put on
- "impossible" to slip out of when properly worn
- provides good sight and freedom of movement
- approved to the latest SOLAS/ IMO requirements as a thermal life jacket

Hansen Sealife TP Life Jacket
With thermal protection

TECHNICAL SPECIFICATIONS

Type	Solid life jacket
Color	International approved 290 orange
Size	child-adult
Dimensions (unpacked)	1040 x 290 x 120 mm, excluding size of thermal protection jacket
Approvals	SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sealife TP Life Jacket, safety light included	1	SG05012

Secumar Golf 150N Life Jacket

A good value, this fully automatic inflatable life jacket is designed for tough jobs. Protective cover made of robust nylon fabric. Very light weight and with a compact design. Buoyancy chamber and protective cover are separate components and in the case of wear and tear can be replaced independently of each other.



Secumar Golf 150N Life Jacket

An inflatable life jacket for tough jobs

Applications

- water board authorities
- customs
- police
- locks
- dock workers
- inland waterways
- hydraulic engineering
- dredging
- underground engineering
- sewerage works
- stevedoring

Features

- the inflatable life jacket Golf 150 is available in an option with SPR-Protection cover for welding and hard-wearing purposes (washable)
- buoyancy chamber system: bright orange buoyancy chamber in navy blue protective cover
- standard equipment: whistle

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	150N
CO2-cartridge size	32 gr
Color	Navyblue, Orange (=SPR)
Closure	Front buckle
Emergency light	Optional
Approvals	CE

ORDER INFORMATION

Description	Unit Sales	Article nr
Secumar Golf 150N Life Jacket, safety light not included	1	20110001
Seculux CFX-II Life Jacket light	1	SG05602

Secumar DV 150N Life Jacket

Its compact and ergonomic design makes it a very light jacket offering a great freedom of movement. The protective stole and the buoyancy chamber are independent and can be changed independently if worn.



Applications

- Suitable for high seas. For the wearers of foulweather clothing.

Features

- Two tones whistle with cord
- Multi-language instruction, service label
- Transport bag
- 300 cm² of M3 reflective strap
- Equipped with an oral valve
- Automatic inflator SECUMATIC 3001S
- Automatic activation as the SECUMAR pills are in contact with water
- Three green indicators show readiness of the inflation device

- buoyancy chamber system: bright yellow buoyancy chamber in navy blue protective cover
- The torque lock (Positorque®) prevents autonomous release of the CO₂ cartridge due to shaking and vibration. Three indicators for all 3 necessary requirements: SECUMAR pill inserted, CO₂ cartridge inserted correctly and release lever secured correctly.
- The service badge on the waist belt shows you at a glance when your lifejacket should be serviced again in the SECUMAR service.

Secumar DV 150N Life Jacket

Inflatable universal safety vest

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	150N
CO ₂ -cartridge size	32 gr
Temperature range	Storage: -54°C to +70°C Use: -10°C to +70°C
Weight	Approx. 0.8 kg
Color	Navyblue, Yellow
Closure	Front buckle
Emergency light	Optional
Approvals	DIN EN ISO 12402-3, CE

ORDER INFORMATION

Description	Unit Sales	Article nr
Secumar DV 150N Life Jacket, safety light not included	1	20110012
Seculux CFX-II Life Jacket light	1	SG05602

Secumar Priva 275N L life jacket

This entry-level model has everything needed for safety on the waters. Favorable price in relation to good technology, easy to refill and pack, and a reliable 3001S torque protection (against patching of the cartridge) have contributed to this predicament.



Secumar Priva 275 L Life Jacket
An inflatable life jacket for tough jobs

Applications

- Universal application for inland and maritime navigation.

Cover

- With integrated lifebelt / harness (according to DIN EN ISO 12401)
- Loops (3.2 kN)
- Material: Polyamide fabric
- Color: Black
- Closed with: hook and loop fastener closure
- Front fitting: stainless steel

Float

- Standard Float
- Mouth valves
- Material: polyurethane-coated
- Polyamide fabric
- Color yellow
- Reflective strip: 400 cm² (3M®)

Inflation

SECUMATIC 3001S Automatic activation with water contact. Torque protection (Positorque®) prevents the CO2 cartridge

from being released independently by vibration and vibration.

- Triggering element: SECUMAR pill
- Three indicators:
 1. Secumar pill inserted,
 2. CO2 cartridge inserted correctly,
 3. Trigger lever secured correctly.

Equipment

This lifejacket comes complete with the following equipment:

- Operation manual
- 2-tone flute

Optional accessories

For this rescue vest, we also offer the following accessories:

- Replacement CO2 cartridge (56 g, TN 929)

Features

- Buoyancy chamber system: Bright orange buoyancy chamber in navy blue protective cover
- Standard equipment: Whistle

TECHNICAL SPECIFICATIONS

Weight	ca. 1.1 kgs
Size	Suitable for persons from 40 to 120 kgs From 85 to 150 cms chest size
Temperature	Storage temp.: -54° C to +70° C Operating temp.: -10° C to +60° C
Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	275N
CO2-cartridge size	56 gr
Color	Black and yellow
Closure	Front buckle
Emergency light	Optional
Approvals	DIN EN ISO 12402-2, DIN EN ISO 12401, CE

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Priva 275N Life Jacket, safety light not included	1	20110019

Secumar Golf 275N Life Jacket

A good value, this fully automatic inflatable lifejacket is for tough jobs. Protective cover made of robust nylon fabric. Very light and with a compact design. Buoyancy chamber and protective cover are separate components and in the case of wear and tear can be replaced independently of one other.



Applications

- water board authorities
- customs
- police
- locks
- dock workers
- inland waterways
- hydraulic engineering
- dredging

- underground engineering
- sewerage works
- stevedoring

Features

- buoyancy chamber system: Bright orange buoyancy chamber in navy blue protective cover
- standard equipment: whistle

Secumar Golf 275N Life Jacket

An inflatable life jacket for tough jobs

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	275N
CO2-cartridge size	56 gr
Color	Navyblue, Orange (=SPR)
Closure	Front buckle
Emergency light	Optional
Approvals	CE

ORDER INFORMATION

Description	Unit Sales	Article nr
Secumar Golf 275N Life Jacket, safety light not included	1	20110009
Seculux CFX-II Life Jacket light	1	SG05602

Secumar Golf 275N Neon Life Jacket

A good value, this fully automatic inflatable life jacket is designed for tough jobs. Very light and with a compact design. Buoyancy chamber and protective cover are separate components and in the case of wear and tear can be replaced independently of each other. Closure at the front by click batter.



Applications

- water board authorities
- customs
- police
- locks
- dock workers
- inland waterways
- hydraulic engineering
- dredging
- underground engineering
- sewerage works
- stevedoring

Features

- buoyancy chamber system: PU-buoyance chamber system, signal orange, protective cover
- standard equipment: whistle, 3M® - reflecting stripes

The Golf Neon distinguishes itself from a standard Golf life jacket by a cover which is provided with reflective material on the front of the cover. As a result, a higher degree of visibility is being provided. By making use of smooth material, the cover foul less rapidly.

Secumar Golf 275N Neon Life Jacket

An inflatable life jacket for tough jobs

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	Effectieve 280N
CO2-cartridge size	56 gr
Color	Orange
Color cover	Navyblue, yellow
Closure	Front buckle
Emergency light	Optional
Approvals	CE

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Golf 275N Neon Life Jacket, safety light not included	1	20110026

Secumar Golf 275 FR AC anti-static and flame retardant life jacket

Proven universal commercial 275N life jacket with anti-static and flame retardant properties (EN 1149-3 / EN ISO 14116 Index 1) for all activities in an explosive environment around water with fluorescent yellow cover and extra retro-reflective strips for higher visibility.



Secumar Golf 275 FR AC Life Jacket
Antistatic and flame retardant

Features

The compact folded life jacket with removable protective cover has a single buoyancy chamber. Once inflated, the back strap automatically holds the life jacket in the correct position. With its adjustable waist belt and back strap the life jacket can be individually adjusted to the size of the user. By using anti-static and flame-retardant materials and covering all fittings GOLF 275 FR AC has antistatic and flame retardant properties according to EN 1149-3 and EN ISO 14116 Index 1. In conjunction with appropriately approved protective clothing electrostatic discharges are safely excluded. The highly visible cover in fluorescent yellow with extra large reflective strip improves visibility.

Comfort and freedom of movement

Thanks to its compact construction, the wearing of the life jacket is barely noticeable and guarantees optimum freedom of movement. Nevertheless, their buoyancy chamber reaches a buoyancy of 280 Newtons.

Donning and doffing

Equipped with the patented SECUMAR CLICK-buckle the donning and doffing of the Golf 275 FR AC is very easy and is easy to operate even with gloves on.

Maintainability

Since the inflatable buoyancy chamber and protective cover are detachable, servicing is made much easier and the cover can be easily replaced.

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 3001S
Buoyancy	275N, effective 280N
CO2-cartridge size	56 g
Color	Orange
Color cover	Yellow
Closure	Front click buckle
Emergency light	Optional
Approvals	DIN EN ISO 12402-2 DIN EN 1149-3 DIN EN ISO 14116 Index 1

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Golf 275 FR AC Antistatic and Flame Retardant Life Jacket	1	SG05482

Secumar Alpha 275N Window Neon Life Jacket

Almost 100% more buoyant compared to the Alpha 150. The Secumar Windows system: you can see from the outside if the inflation machine is ready for use. You can also see on the outside if the CO2 cartridge is full.



Secumar Alpha 275N Window Neon Life Jacket

An inflatable life jacket for tough jobs

Applications

- water board authorities
- customs
- police
- locks
- dock workers
- inland waterways
- hydraulic engineering
- dredging
- underground engineering
- sewerage works
- stevedoring

Features

- the closure is from Secumar Click. Only when you press the two red buttons, the lock will open. Opening by accident, for example, is prevented
- improved fit so that the life jacket is better accepted by the carrier and thus often worn even compared to the Alpha 150
- float system: signal orange float in navy blue protective, patented folding
- standard equipment: storage pouch with zipper, inspection window, storage box for name, cruciate-loops, washable and removable fleece collar, whistle and storage bag

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic inflator 4001S
Buoyancy	275N, effective 290N
CO2-cartridge size	60 gr, CO2 dock
Color	Orange
Color cover	Navyblue, yellow
Closure	Click attachment
Emergency light	Optional
Approvals	CE

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Alpha 275N Window Neon Life Jacket, safety light not included	1	SG05481

Secumar Golf 275 Twin SOLAS SPR PLB Life Jacket

275N SOLAS approved life jacket for industrial and professional application, for water engineering, inland waterways, offshore, high seas. Suitable for work with particularly high mechanical loads for the life jacket as well as for work on welding equipment. Integration possibility for the EPIRB Sea Marshall sMRT AU9 and AU10.



Secumar Golf 275 Twin SOLAS SPR PLB Life Jacket

An inflatable life jacket for tough jobs

Applications

- Specifically developed life jacket for the requirements in the offshore use (oil and gas).
- Due to a special coating of the protective cover the life jacket is extremely tear and abrasion resistant and can even withstand sparks and small metal splashes (according to DIN EN 348). On the front there is a hook and loop fastener panel for attaching a name tag.
- To improve the wearers comfort softer material and a removable neck fleece was used in the collar area. The back strap is detachable and adjustable.
- Through the window in the protective cover the status of the PLB is visible at a glance.
- The service zipper allows access to the automatic 3001S and the manual override and the operation of the PLB without fully opening the protective cover.
- With the patented SECUMAR CLICK-buckle the donning and doffing of the life jacket is very easy, it is donned like a normal jacket. The fitting opens only when you press TWO keys - accidental opening by hanging is impossible.
- The buoyancy chamber is equipped with antenna mounts and bags for the PLB's Sea

Marshall sMRT AU9 & AU10. By inflating the life jacket, the antennas will set up independently and enable the best possible dispersion of the signal. The PLB will be activated automatically by contact with water.

Features

- Distress light SECULUX CFX-II
- Two-tone-whistle
- Crotch strap
- Manual override (stowed in cover of inflation device)
- Buddy line
- Spray hood
- Fittings for antenna and bags for the PLB Sea Marshall sMRT AU9 & AU10

Standard equipment

Window and Service-Zipper for PLB, Service-Zipper for inflation device, neck-fleece (detachable), hook and loop fastener for name tag, detachable and adjustable back strap, crutch strap loops, crutch strap, emergency light SECULUX CFX-II, Buddy-Line, two-tone-whistle, SECUMAR Click-buckle, manual override, spray hood, fittings for antenna and pocket for PLB SeaMarshall sMRT AU9 and AU10.

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of inflator	Automatic Inflator 3001S and Manual Inflator SECU 301SM
Buoyancy	275N
CO2-cartridge size	60 gr
Color	Yellow
Color cover	Orange (SPR) / blue
Closure	Click front buckle
Emergency light	Yes
Approvals	DIN EN ISO 12402-2 (CE-sign), SOLAS 74, IMO Res. MSC.81(70) amended by MSC.200(80), MSC.207(81) and MSC.226(82)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Golf 275 Twin SOLAS SPR PLB Life Jacket	1	SG05483

Hansen Sea Lion Life Jacket 150N

The Hansen Sea Lion Life Jacket is specially designed for use as a combined working/abandonment life jacket.



Hansen Sea Lion Life Jacket

Inflates automatically when it comes in contact with water

Applications

The life jacket is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self right the wearer in less than 5 seconds. The Patented interlocking lobe design also creates an effective wave barrier preventing water channeling into the airways. The life jacket design gives neck and head support which is particularly vital for an unconscious wearer.

Features

- patented interlocking lobe design
- 150N Newtons buoyancy
- high visibility fabric
- wide range of options
- contoured head and neck support
- lightweight and comfortable to wear
- automatic firing mechanisms
- retro-reflective tape
- whistle
- grab loop
- locational light

TECHNICAL SPECIFICATIONS

Model	150N
Material	PVC cover
Sizes	XS-XXL
Color	Black cover, yellow vest
Approvals	SOLAS Chapter III 2010

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Lion Life Jacket, 150N, safety light included	1	SG05211

Hansen Sea Lion Life Jacket 275N Standard

The Hansen Sea Lion Life Jacket is specially designed for use as a combined working/abandonment life jacket.



Applications

The life jacket is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self right the wearer in less than 5 seconds. The Patented interlocking lobe design also creates an effective wave barrier preventing water channeling into the airways. The life jacket design gives neck and head support which is particularly vital for an unconscious wearer.

Features

- patented interlocking lobe design
- 275N Newtons buoyancy
- high visibility fabric
- twin chamber security
- wide range of options
- contoured head and neck support
- lightweight and comfortable to wear
- two independent chambers
- automatic firing mechanisms
- retro-reflective tape
- whistle
- grab loop
- locational light

Hansen Sea Lion Life Jacket

Inflates automatically when it comes in contact with water

TECHNICAL SPECIFICATIONS

Model	275N standard
Material	PVC cover
Sizes	XS-XXL
Color	Black cover, yellow vest
Approvals	SOLAS Chapter III 2010

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Lion Life Jacket, 275N, safety light included	1	SG05212

Hansen Sea Lion Life Jacket 275N Offshore

The Hansen Sea Lion Life Jacket is specially designed for use as a combined working/abandonment life jacket.



Hansen Sea Lion Life Jacket

Inflates automatically when it comes in contact with water

Applications

The life jacket is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self right the wearer in less than 5 seconds. The Patented interlocking lobe design also creates an effective wave barrier preventing water channeling into the airways. The life jacket design gives neck and head support which is particularly vital for an unconscious wearer.

Features

- patented interlocking lobe design
- 275N offshore Newtons buoyancy

- high visibility fabric
- twin chamber security
- wide range of options
- contoured head and neck support
- lightweight and comfortable to wear
- two independent chambers
- automatic firing mechanisms
- retro-reflective tape
- whistle
- grab loop
- locational light

Including

- spray hood
- crotch strap

TECHNICAL SPECIFICATIONS

Model	275N Offshore
Material	PVC cover
Sizes	XS-XXL
Color	Black cover, yellow vest
Approvals	SOLAS Chapter III 2010

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Lion Life Jacket, 275N Offshore, safety light included	1	SG05213

Secumar Alpha 275 Twin SOLAS Tetra 3D Life Jacket

The Secumar Alpha 275 3D life jacket is recommended for wearers of immersion suits, insulated clothing or survival suits: Two triangular air chambers form a long lever which quickly turns the body into a safe position on your back.



Secumar Alpha 275 Twin SOLAS Tetra 3D Life Jacket

To combine with immersion suits, insulated clothing or survival suits

Applications

- water board authorities
- customs
- police
- locks
- dock workers
- inland waterways
- hydraulic engineering
- dredging
- underground engineering
- sewerage works
- stevedoring

Features

- buoyancy chamber system: Bright orange buoyancy chamber in 3D-Design in navy blue protective cover, patented folding
- standard equipment: Zip pocket, inspection window, pocket for name tag, crotch strap loops, detachable neck fleece, whistle, mesh storage bag

TECHNICAL SPECIFICATIONS

Type of buoyancy	Inflatable
Method of Inflator	3001S 60g + 301SM 56g
Buoyancy	290N
CO2 cartridge size	60 gr
Color	Navyblue
Closure	Frontal click buckle
Approvals	CE/MED/SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Secumar Alpha 275 Twin SOLAS Tetra 3D Life Jacket, safety light included	1	20110017

Secumar Twin Solas 275N Golf Life Jacket

Standard SOLAS life jacket with double chamber system for rugged use. Cover of durable nylon fabric. The first chamber inflates automatically on. When there is a defect, the second chamber is activated manually. The life jacket has a high buoyancy volume that it gives the wearer stability in heavy seas as well as providing a large amount of freeboard and turning moment.



Secumar Twin Solas 275N Golf Life Jacket
High buoyancy volume

Applications

- water board authorities
- customs
- ocean shipping
- police
- locks
- dock workers
- inland Waterways
- hydraulic Engineering
- dredging
- underground Engineering

- sewerage Works
- stevedoring

Features

- side fastening
- CO₂ cylinder 2 x 56 g
- distress light
- lifting harness
- double-chamber system
- optional crotch strap
- front fastening

TECHNICAL SPECIFICATIONS

Type of buoyancy / Method of inflator	Inflatable / 3001S 60g + 301SM 56g
Buoyancy chamber system	Bright orange buoyancy chamber with Dual-Chamber-Membrane Technology and overpressure valve in navy blue protective cover.
Standard equipment	Crotch strap loops, buddy line and whistle
Color	Navy blue
Harness	Option
Approvals	SOLAS

ORDER INFORMATION

Description	Unit Sales	Article nr
Secumar Twin Solas 275N Golf Life Jacket, safety light included	1	SG05484

Challenger Offshore Interlock 275N Life Jacket

The Interlock 275 is specially designed for use as a combined working/abandonment life jacket. With 300 Newtons it is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self right wearer in less than five seconds. The Patented interlocking lobe design also creates an effective wave barrier preventing water chaneling into airways. The life jacket design gives neck and head support which is vital for an unconscious wearer.



Challenger Offshore Interlock 275N Life Jacket

Specially designed for use as combined working/abandonment life jacket, with optional spray hood

Features

- patented interlocking lobe design
- 300 Newtons buoyancy
- high visibility fabric
- twin chamber security
- wide range of options
- contoured head and neck support
- lightweight and comfortable to wear

- grab loop
- locational light
- hard wearing red nylon cover

Design options

- a wide range of cover options
- including heavy duty PVC and Panotex fire proof covers
- deck harness system
- spray hood
- buddy line
- strobe light
- crotch strap

Specification

- two independent chambers each with 300N
- automatic firing mechanisms
- retro-reflective tape
- whistle

TECHNICAL SPECIFICATIONS

Size	Adult: one size fits all
Packing size	380 x 120 x 100 mm
Color	Red
Approvals	Fully complies with the latest amendments to SOLAS Champter III and approved by U.K.M.C.A and M.E.D (Ship Wheel) plus EN399 NSN 4220-99-608-9320

ORDER INFORMATION

Description	Unit Sales	Articlenr
Challenger Offshore Interlock 275 N Life Jacket, safety light included	1	SG05451

ResQ Marine 275N interlock life jacket

This new life jacket is designed to meet the new SOLAS 2010 requirements listed in the IMO resolution SOLAS chapter III 2010.



ResQ Marine 275N interlock life jacket

Features

- new improved design
- guarantees to self right the wearer in less than 5 seconds
- 300 Newtons buoyancy
- high visibility fabric
- twin chamber security
- contoured head and neck support
- lightweight and comfortable to wear
- fully approved to the latest amendments in SOLAS Chapter III 2010
- comfortable wearing due to the new designed back support

Specification

- twin independent chambers each with 300N
- automatic firing mechanisms
- retro-reflective tape
- whistle
- grab loop
- location light
- buddy line
- produced using components that conform to ISO 12402

TECHNICAL SPECIFICATIONS

Size	One size
Color	Orange and yellow
Approvals	Produced using components that conform to ISO 12402 SOLAS 2010

ORDER INFORMATION

Description	Unit Sales	Article nr
ResQ Marine 275N interlock life jacket	1	20112021

ResQ Marine 150N interlock life jacket

This new life jacket is designed to meet the new SOLAS 2010 requirements listed in IMO resolution SOLAS chapter III 2010.



ResQ Marine 150N interlock life jacket

Features

- new improved design
- guarantees to self right the wearer in less than 5 seconds
- interlocking lobe design
- high visibility fabric
- twin chamber security
- lightweight and comfortable to wear
- fully approved to the latest amendments in SOLAS Chapter III 2010
- the unique bladder shape features
- comfortable wearing due to the new designed back support

Specification

- twin independent chambers
- automatic inflation system
- retro-reflective tape
- whistle
- grab loop
- location light
- buddy line
- produced using components that conform to ISO 12402

TECHNICAL SPECIFICATIONS

Size	One size
Color	Orange and yellow
Approvals	Produced using components that conform to ISO 12402 SOLAS 2010

ORDER INFORMATION

Description	Unit Sales	Articlenr
ResQ Marine 150N interlock life jacket	1	20112020

Work Life Jacket Stearns ILV-465

Stearns most versatile industrial flotation vest. Tough nylon shell with seven-piece foam design for all-day comfort. Features four roomy pockets for accessories with full hook and loop closures and a rustproof Vislon® zipper.



Work Life Jacket Stearns ILV-465
Designed for all-day comfort

Features

- multiple foam inserts for exceptional flexibility and freedom
- quick-adjust side tabs for secure fit and comfort
- 3M™ Scotchlite™ Reflective Material SOLAS-grade 6755 for high visibility
- eyelets for attaching lights, badge, etc.
- minimum 15-1/2 lb. buoyancy

TECHNICAL SPECIFICATIONS

Color	Orange
Size	S to XXXL
Approvals	USCG Approved Type III NSN 4220-01-252-386

ORDER INFORMATION

Description	Unit Sales	Article Number
Work Life Jacket Stearns ILV-465	1	SG05455

Hansen Sea Eco Immersion Suit

The Hansen Sea Eco Immersion Suit has been manufactured in waterproof flame retardant 4.5 or 5 mm neoprene, which provides insulation and buoyancy. Emergency suit for Fishing and Merchant vessels. The immersion suit can be delivered vacuum packed, so the suit doesn't need to be serviced for 10 years.



Features

- double glued seams and approved reflector tape
- leg fasteners keep feet in place in the boots
- delivered with handy carrier bag or air-tight package
- delivered as a one-size suit = standard (can be manufactured in x-large)
- can be delivered vacuum packed, so the suit doesn't need to be serviced for 10 years

Basic Product

Suit with neoprene cuffs, gloves attached with elastic band, attached hood, leg fasteners, neoprene face seal, approved reflector tape and attached hoodie.

Available sizes

- one size fits all: 150 - 200 cm
- x-large: to 210 cm

Important notice

SUIT HAS TO BE USED WITH AN APPROVED LIFEJACKET

Hansen Sea Eco Immersion Suit

Provides insulation and buoyancy

TECHNICAL SPECIFICATIONS

Materials	Flame retardant 4.5 or 5mm neoprene
Sizes	One size fits all and x-large
Weight	One size fits all: 4.5 kgs XL: 5.0 kgs
Color	International approved orange
Approvals	IMO/SOLAS 2,3 and resolution MSC-152 (78) / MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Eco Immersion Suit, size standard	1	SG05412
Hansen Sea Eco Immersion Suit, size standard, vacuum packed	1	SG05416
Hansen Sea Eco Immersion Suit, size XL	1	SG05413
Hansen Sealife Life Jacket, safety light included	1	SG05011

Hansen Sea Eco Plus Immersion Suit

The Hansen Sea Eco + Immersion Suit has been manufactured in waterproof flame retardant 5 mm neoprene, which provides insulation and buoyancy. The immersion suit can be delivered vacuum packed, so the suit doesn't need to be serviced for 5 years.



Hansen Sea Eco + Immersion Suit
Buoyancy pillow in back

Features

- 6h - Immersion suit IMO/SOLAS
- buoyancy pillow in back ensures correct floating position and freeboard
- flame retardant 5 mm neoprene
- emergency light
- with buddy line and floating hook
- lifting strap with stainless D-ring and carabine hook
- easy donned, waterproof PU-zip
- approved reflective patches
- fixed hood
- watertight cuffs
- gloves attached by elastic bands

- hook and loop fastener tighteners in legs
- rubber soles for optimal grip on slippery surface
- may be vacuum packed for extended service intervals (maximum 5 years)

Available sizes

- medium: 147 - 180 cm
- standard: 150 - 200 cm
- x-large: 180-210 cm

Important notice

SUIT TO BE USED WITHOUT LIFE JACKET

TECHNICAL SPECIFICATIONS

Material	Flame retardant 5 mm neoprene
Sizes	Medium, standard and x-large
Weight	Medium: 4,4 kgs, standard: 5,4 kgs, x-large: 5,8 kgs
Color	International approved orange (290)
Size packed in carrier bag	Medium: 65 x 45 x 24 cm Standard: 65 x 45 x 26 cm X-large: 65 x 45 x 28 cm
Size packed in vacuum	Medium: 65 x 45 x 20 cm Standard: 65 x 45 x 20 cm X-large: 70 x 45 x 18 cm
Colour of bag	Medium: yellow, standard: red, x-large: green
Approvals	IMO/SOLAS 2,3 and resolution MSC-152 (78) / MED, RMRS

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Eco + Immersion Suit, size Standard	1	20115044
Hansen Sea Eco + Immersion Suit, size M	1	20115043
Hansen Sea Eco + Immersion Suit, size X-large	1	20115045

Hansen Sea Nordic Immersion Suit

The Hansen Sea Nordic Immersion Suit has been manufactured in waterproof flame retardant 5 mm neoprene, which provides insulation and buoyancy. The hood has an integrated inflatable cushion to improve water tightness and allow variation of the floating position. Approved 6 hour immersion suit with an anatomic self rightening unit. For fishing vessels, merchant ship and offshore use. The immersion suit can be delivered vacuum packed, so the suit doesn't need to be serviced for 5 years.



Hansen Sea Nordic Immersion Suit

For offshore, merchant ships and fishing vessels

Features

- Basic principle for design of this suit is identical to the N6-Basic. The main difference is that the suit shall be used without a life jacket as the required 120 mm freeboard is achieved by the suit alone. The hood has an integrated inflatable cushion to improve water tightness and floating position.
- The suit is complete with an approved emergency light, whistle, and retro reflective material. The suit features reinforced seams. The suit is also fitted with a lifting loop and a floating buddy line. A splash hood is an optional extra and can be attached on delivery or later.
- Comes with light and handy carrier bag, or vacuum packed for efficient storing on board.

- The suit may be manufactured in size XL, and with fixed gloves with watertight zippers.

Basic Product

Dry Suit with fixed hood, watertight cuffs, attached gloves, leg fasteners, floating buddy line, lifting loop, light and reflective tape.

Available sizes

- medium: 147 - 180 cm
- standard: 150 - 200 cm
- x-large: 180-210 cm

Optional Extra

Spray hood

Important notice

SUIT TO BE USED WITHOUT LIFE JACKET

TECHNICAL SPECIFICATIONS

Materials	Waterproof flame retardant 4.5 or 5 mm neoprene
Color	International approved 290 orange and reflectors
Sizes	Medium, standard and x-large
Weight	Medium: 5.5 kgs Standard: 5.0 kgs X-large: 6.0 kgs
Size packed in carrier bag	Medium: 63x36x23cm, in yellow bag Standard: 68x40x20cm, in orange bag X-large: 75x43x20cm, in green bag
Size packed in vacuum	Medium: 63x34x17cm Standard: 68x39x17cm X-large: 73x40x18cm
Approvals	SOLAS, MED 96/98/EC

Hansen Sea Nordic Immersion Suit

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Nordic Immersion Suit, size standard	1	SG05452
Hansen Sea Nordic Immersion Suit, size M	1	SG05452
Hansen Sea Nordic Immersion Suit, size XL	1	SG05452
Hansen Sea Nordic Immersion, size standaard, comes with sprayhood	1	SG05422
Hansen Sea Nordic Immersion, size XL, comes with sprayhood	1	20115042

Hansen Sea Arctic Immersion Suit

The Hansen Sea Arctic Immersion Suit has been approved 6 hour immersion suit with an anatomic self righting unit. Suit to be used without life jacket. Emergency suit for fishing vessels, merchant ships and offshore installations. The immersion suit can be delivered vacuum packed, so the suit doesn't need to be serviced for 5 years.



Hansen Sea Arctic Immersion Suit

Immersion suit with an anatomic self righting unit

Features

The Hansen Sea Arctic Immersion Suit passes NMD requirements for self-righting insulated immersion suits for installations on the Norwegian Offshore sector.

The Sea Arctic Immersion Suit has a self-righting unit with automatic activation. The elastic cover keeps it out of the way after use.

The suit shall be used without a life-jacket as the required 120 mm freeboard is achieved by the suit alone. The hood has an integrated inflatable cushion to improve water tightness and allow variation of the floating position.

The suit is complete with an approved emergency light, whistle, and retro reflective material. The suit features reinforced seams. The suit is also fitted with a lifting loop and a

floating buddy-line. The splash hood is removable and fitted by means of heavy duty hook and loop fastener.

Comes with light and handy carrier bag, or vacuum packed for efficient storing on board.

Basic Product

Dry Suit with fixed hood, watertight cuffs, attached gloves, leg fasteners, floating buddy line, lifting loop, light, reflective tape, spray hood and self-righting unit.

Available sizes

- medium: 147 - 180 cm
- standard: 150 - 200 cm
- x-large: 180-210 cm

Important notice

TO BE USED WITHOUT LIFE JACKET

TECHNICAL SPECIFICATIONS

Materials	Waterproof, flame retardant 5mm neoprene
Sizes	Medium, standard and x-large
Weight	Medium: 5.8 kgs Standard: 6.3 kgs X-large: 7.0 kgs
Size packed in carrier bag	Medium: 72x46x18 cm, in yellow bag Standard: 74x48x20 cm, in orange bag X-large: 76x50x22 cm, in green bag
Size packed in vacuum	Medium: 70x40x18 cm Standard: 72x42x20 cm X-large: 74x44x20 cm
Color	International approved 290 orange and reflectors
Approvals	IMO/SOLAS 2,3 and resolution MSC-152 (78) Norwegian NmD-rules for "mobile offshore units"

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Arctic Immersion Suit, size standard	1	SG05461
Hansen Sea Arctic Immersion Suit, size medium	1	SG05461
Hansen Sea Arctic Immersion Suit, size XL	1	SG05461
Hansen Sea Arctic Carrier Bag	1	20115046

Viking immersion suit PS2007



Viking immersion suit PS2007
Immersion suit with built-in buoyancy

Features

The suit is made of highly flexible, high quality neoprene to ensure easy donning and fit. This also gives the product a longer lifespan. The suit has extended zipper providing the suit a better in-water performance and ensures quick donning. The extended zipper provides more comfort for the user and minimizes water ingress.

The yellow colour ensures high visibility. Some of the main features are integrated neoprene boots with rubber soles, three fingered neoprene gloves, buddy line, lifting becket and a SOLAS approved emergency light. All suits are produced in-house according to stringent manufacturing requirements.

Application areas

- Cargo vessels
- Fishing vessels
- Navy
- Offshore personnel

Design features

- Lifting becket with snap hook and covered D-ring on breast
- Buddy line
- Semi-integrated neoprene gloves
- SOLAS approved emergency light
- Extended zipper
- Whistle
- Comes in a bag

TECHNICAL SPECIFICATIONS

Materials	Neoprene, 5 mm
Size	58/Oversize: Height from 170 cm to 210 cm, weight from 80 kg to 160 kg
Weight	One size: 6.3 kgs XXL: 7 kgs
Packing size	700 x 500 x 150 mm / comes in storage bag or airtight packaging
Color	High visibility yellow and reflectors
Approvals	MED SOLAS, RMRS, Transport Canada

ORDER INFORMATION

Description	Unit Sales	Articlenr
Viking Immersion Suit PS2007 Solas Oversized	1	20115015

Hansen E-300-2 Work Suit

The Hansen E-300-2 Work Suit is suitable for rescue personnel for the evacuation of ships and for use on MOB vessels. The outer material is flame retardant, waterproofed textile in international orange. It is thus a warmth reflecting material.



Applications

Underneath is a layer of foam with closed cells which both insulates and provides buoyancy. All the seams are sewn and welded. Cuffs with adjustable straps and gloves in separate pockets on the arms. Reinforced at the knees, elbows and seat. Comes with light and boots with a steel toe-cap and approved reflectors.

Features

- PU coated flame retardant, waterproof Oxford nylon
- Tyvec body warmth reflecting inner layer
- 3 mm flotation foam with closed cells for insulation and buoyancy

- detachable inner lining
- watertight zip and hood closure
- PVC reinforcements on elbows, knees and seat
- boots with steel toe cap
- cuffs with adjustable straps
- integral safety harness with stainless steel ring and carbine hook
- zip and elastic on legs for tight fit
- liaison line
- whistle
- 2 side pockets
- 9 reflective strips
- neoprene gloves and emergency light

Hansen E-300-2 Work Suit

For heavy duty work on deck and for use in MOB operations

TECHNICAL SPECIFICATIONS

Persons height, weight suit	Suit size	Boot size
155-165 cm, 5.7 kgs	XS	41
165-175 cm, 6.1 kgs	S	43
175-185 cm, 6.6 kgs	M	46
185-195 cm, 7.0 kgs	L	46
195-205 cm, 7.1 kgs	XL	46
Color	International approved 290 Orange	
Approvals	IMO/SOLAS, MED 96/98/EC AES (Anti Exposure Suit)	

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen E-300-2 Work Suit	1	SG05419
When ordering, please mention the preferred suit size		

Hansen SeaMOB Work Suit

SeaMob SOLAS approved anti-exposure work suit / survival suit for extreme cold water conditions.



Applications

- Perfect for MOB boats
- Elastic and good fit
- Three fingered gloves in sleeve pockets
- Leg tightening zips to adjust fitting
- Integral /manually inflatable buoyancy lung.

Features

- For rescue personnel during evacuation and MOB Operations
- 3 mm flame retardant, waterproof neoprene providing insulation and buoyancy
- Waterproof PU zip
- Double-welded seams
- Solas approved reflective patches
- Reinforcements on elbows, knees and seat

- Lifting strap with D-ring and carabine hook
- Integrated manually inflatable buoyancy lung for floating position and freeboard
- Sleeve pockets for gloves
- Boots may be used with flippers
- Buddy line with floating hook, whistle and emergency light
- Neoprene gloves and double neoprene cuffs
- Radio Pocket
- SOLAS approved and in accordance with Marine Equipment Directive 96/98/EC (MED-B) AES (Anti-exposure Suit), designed to be worn without a lifejacket

IMPORTANT NOTICE

Approved for use without a lifejacket.

Hansen SeaMOB Work Suit

For rescue personnel, evacuation and MOB operations

TECHNICAL SPECIFICATIONS

Persons height, weight suit	Suit size	Boot size
140-150 cm, 5.6 kgs	XS	41
150-165 cm, 5.8 kgs	S	41
165-180 cm, 5.8 kgs	M	43
180-190 cm, 6.2 kgs	L	45
190-198 cm, 6.6 kgs	XL	47
199-205 cm, 6.6 kgs	XXL	47
Color	International approved 290 Orange	
Approvals	IMO/SOLAS, MED 96/98/EC, AES (Anti Exposure Suit)	

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea MOB Work suit, size M	1	SG05431
Hansen Sea MOB Work suit, size L	1	SG05432
Hansen Sea MOB Work suit, size XL	1	SG05433
Hansen Sea MOB Work suit, size XXL	1	SG05434

Hansen Sea Wind Work Suit

The Sea Wind suit is designed for personnel working with offshore wind farms and for offshore rope access technique operators.



Hansen Sea Wind Work Suit
Ultra light weight, 1.6 kgs only

Features

- designed for optimal ergonomy
- tested to meet the IMO/SOLAS regulations for 1 hour immersion suit
- optimised for use of all fall arrest and seat harness
- special life jacket (Hansen Sea Lion 275N) available and needs to be ordered separatly
- super light weight
- breathable fabric (Gore Tex)
- drysuit w/feet and easy access
- soft waterproof zip
- pit-zips for enhanced ventilation
- hi-vis colour
- reinforcement at exposed areas
- mesh Pockets with room for hood, gloves and necessities (PLB, pens etc) + inner pocket
- construction with special attention to freedom of movement
- super Soft Neoprene closures in neck and wrists

Maximum comfort

The Sea Wind suit is very light and constructed to offer maximum ergonomics

and comfort for the wearer. It is approved to meet the IMO/SOLAS regulations for an 1 hour immersion suit without internal buoyancy. The IMO/SOLAS buoyancy requirement will be covered when the user puts on an IMO/SOLAS life jacket. Hansen Protection will in addition to the regular inflatable life jacket range offer a specially designed life jacket that can be integrated to the suit in order to ensure necessary buoyancy and freeboard.

Higher safety

The Sea Wind suit is fitted with watertight pit-zips to help ventilation and regulate the wearers temperature. Further it is fitted with a number of pockets to store tools and communication equipment or PLB, gloves, hood, a whistle and a buddy line. The suit will be delivered with watertight socks so the wearer can choose footwear of own choice.

Ultra light

Sea Wind is made of high performance Gore-Tex fabrics with good waterproof breathable properties. Ultra light, 1.6 kg only!

TECHNICAL SPECIFICATIONS

Materials	Highly breathable GoreTex
Size	XS to XXXL
Weight	1.6 kgs
Color	Black and yellow
Approvals	Suit: Certification as a 1 hour Suit according to IMO/Solas LSA Code (MSC 207 (81) MSC 226 (82) class D) and EN ISO 15027-1 (Constant Wear Suit) Status: Certification testing finished and OK Integrated life jacket: Twin chamber IMO/Solas LSA Code 150N/275N. Harness: Harness certified acc. to EN 361 Underwear: FR (wool/viscose) according to EN ISO 11612 (TBA) Shoes: EN ISO 2035, Hard toe, GoreTex, Energy absorbent, Oil resistant

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Wind Work Suit - Size S	1	SG05427
Hansen Sea Wind Work Suit - Size M	1	SG05471
Hansen Sea Wind Work Suit - Size L	1	SG05472
Hansen Sea Wind Work Suit - Size XL	1	SG05473
Hansen Sea Wind Work Suit - Size XXL	1	20115054
Hansen Sea Lion Life Jacket, 275N, safety light included	1	SG05212

Hansen Sea Breeze CTV SOLAS

SeaBreeze CTV - A constant wear 1 hour Solas suit for tough and demanding environments. Designed with focus on ergonomics, comfort and durable light weight fabrics, making it an ideal alternative for CTV wind farm transfer.



Features

- SOLAS approved 1 hr 5°C water
- Ergonomic – pre-shaped construction with 100% freedom of movement
- Breathability – durable HP superlight fabrics with highly breathable properties
- Lightweight shell to reduce weight
- Waterproof zip in neoprene neck seal for easy donning and comfort
- Pockets - roomy waterproof pocket placed to ensure ease of access

- For easy integration with safety equipment such as harness and/or SeaLion lifejacket, the suit has no details on chest and back
- Socks
- Seperate soft comfortable neoprene hood stored on back
- Neoprene gloves in forearm pockets
- Knee and seat reinforcement

Must be worn with warm clothing and in conjunction with a compatible approved lifejacket only

Hansen Sea Breeze SOLAS

For tough and demanding environments

TECHNICAL SPECIFICATIONS

Sizes	S-XXL
Color	Yellow and gray
Approvals	SOLAS, MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Hansen Sea Breeze SOLAS - Size S	1	20115055
Hansen Sea Breeze SOLAS - Size M	1	20115056
Hansen Sea Breeze SOLAS - Size L	1	20115057
Hansen Sea Breeze SOLAS - Size XL	1	20115058
Hansen Sea Breeze SOLAS - Size XXL	1	20115059

Hansen Sea Work Suit

Hansen Sea Work is a work-suit/constant wear suit developed in close contact with demanding user-groups in the maritime environment. The suit is intended for use by maintenance workers in exposed areas. The suit is highly ergonomic in construction and offers the user several extra features compared to a conventional abandonment suit for emergency use only.



Features

- PU coated flame retardant, waterproof Oxford nylon
- Tyvek® body warmth reflecting inner layer
- 3mm buoyancy foam with closed cells for insulation and buoyancy
- detachable inner lining
- watertight zip
- soft Neoprene hood, enables the use of hard hats for protection
- reinforcements on elbows and knees
- boots with steel toe cap
- cuffs with adjustable straps
- integral safety harness with stainless steel ring and carbine hook
- buddy line
- whistle
- 3 arm and 2 leg pockets
- reflective tapes
- neoprene five finger gloves and emergency light

Hansen Sea Work Suit

For heavy duty work on deck and for use in MOB operations

TECHNICAL SPECIFICATIONS

Sizes	XS-XXL
Color	International approved 290 Orange
Approvals	IMO/SOLAS, MED 96/98/EC AES (Anti Exposure Suit)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Work Suit, Anti Exp. Suit - 3 hour When ordering, please mention the preferred suit size	1	20115034
Hansen Sea Work Suit, Immersion Suit - 1 hour When ordering, please mention the preferred suit size	1	On request
Hansen Sea Work Inner Lining	1	On request
Hansen Sea Lion Life Jacket, 275N, safety light included	1	SG05212
Hansen Sea Lion Life Jacket, 150N, safety light included	1	SG05211
Hansen Sea Lion Life Jacket, 275N Offshore, safety light included	1	SG05213

Hansen Sea Air Transport Suit

For offshore, helicopter transport and as a personal abandonment suit on the installation.



Features

- outer layer in 100% waterproof, flame retardant fabric
- inner lining that provides insulation and buoyancy. An Intelligent fabric stabilise the inside temperature of the suit and reduces body sweat significantly
- double-welded seams and approved reflective tape
- approved emergency light, buddy line, integrated lifting strap and open collar for rescue
- insulated three finger gloves with waterproof zipper and inside cuffs with pulse warmer
- lightweight and soft fixed boots with extra insulation
- integrated manually inflatable buoyancy lung and emergency re-breathing system (ERBS)
- prepared for approved automatic self-righting system
- designed for improved sitting comfort
- integrated HPL-1 Emergency locator beacon
- hood in super elastic neoprene laminate
- spray hood

Hansen Sea Air Transport Suit

Cools in the heat and warms in the cold

TECHNICAL SPECIFICATIONS

Material	outer layer in 100% waterproof, flame retardant fabric
Size	XS - 4XL
Weight	5.1 - 7.1 kgs
Color	International approved 290 Orange
Approvals	SOLAS, MED 96/98/EC, ETSO, NMD

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Air Transport Suit - When ordering, please mention the preferred suit size	1	20115040

Hansen Sea Pass Passenger Suit

The Hansen emergency suit on board of passenger vessels and recreational vessels.



Features

- PU coated Nylon
- required use of additional approved life jacket on the outside of the suit
- insulated hood
- front zipper with waterproof inner lining
- attached 5-finger gloves
- adjustable ankle straps
- allows for use of shoes both inside as well as on the outside
- approved reflective tape
- the suit with approved life jacket is approved as substitute to thermal life jackets according to NMD regulations
- supplied in a vacuum watertight packed bag, takes a minimum of space
- tested and approved in accordance with ISO/SFD requirements for non-insulated immersion suits

Hansen Sea Pass Passenger Suit

On board of passenger and recreational vessels

TECHNICAL SPECIFICATIONS

Materials	Pu coated Nylon
Size	50 - 100 cm / 100-150 cm / 150 - 200 cm
Weight	0.3 kgs / 0.7 kgs / 0.9 kgs
Color	200 Fluor Orange

ORDER INFORMATION

Description	Unit Sales	Articlenr
Hansen Sea Pass Passenger Suit - Available sizes: baby, junior/child, standard	1	SG05466

Daniamant W4-A Life Jacket Light

The light activates automatically when in water and can be turned off manually if required.



Daniamant W4-A Lifejacket Light
Manually / Automatically

General information

We offer lithium based technology survivor location lights as our preferred choice of battery technology. This is due to lithium's superior power and ability to work at extreme temperatures, whilst having a longer life once activated. This light currently lasts for over 60 hours at the required 0.75cd light output. The light activates automatically when immersed in water and will remain lit once water activated to allow for rescue scenarios involving an unconscious survivor. The light can be turned off manually if required by pressing the switch.

One light fits all

In addition to this Daniamant present a new lifejacket light concept. Previously you could buy a light for recessed jackets or for inflatable jackets but this was two different

lights. Now Daniamant have designed a light that can be used on any jacket, you just choose the clip/receptacle that you want to match your jacket requirement.

When fitted to the 50mm belt clip, the light can attach to almost any lifejacket. When fitted to the inflator tube clip, the light can attach to almost any inflatable jacket. When fitted to the recessed receptacle, the light maintains the unique ultra-low profile that was specifically designed for lifejackets used on vessels with evacuation chute systems for mass evacuation of passengers.

Maintenance

The DAN W4-A units are maintenance free, but some checks should be made annually, please see our user instructions for more details.

TECHNICAL SPECIFICATIONS

Types	Daniamant W4-A
Color	Orange
Light output	Minimum 0.75 cd
Light duration	Minimum 8 hours
Light type	White flashing LED
Material	ABS & Polycarb
Storage temperature	-30°C to + 65°C
Operational temperature	-1°C tot + 30°C
Storage life	5 years
Weight - nominal	42 gr
Battery	Alkaline
Activation	Water / manual
Dimension	60.9 x 29.9 x 21.2 mm (l x w x h)
Approvals	SOLAS / MED / USCG

ORDER INFORMATION

Description	Unit Sales	Article nr
Daniamant W4-A Life Jacket Light	1	SG05736

Daniamant W3 Life Jacket Light

Water activated. Approved according to EC and USCG.



Daniamant W3 Life Jacket Light

Life jacket light with clip

General information

All Daniamant life jacket lights are designed to deliver, as a minimum standard, the 0.75cd output specification and 8 hour duration required by IMO SOLAS regulations.

Features of the light

This new, low profile light is a single compact flashing unit. The light is emitted through an

ultra low profile dome, making the light less susceptible to damage during evacuation. Easily fitted with two different backing plates, one to go over a thin strap and one to go over a 5cm belt. This is the automatic version of Dan M3. The light activates automatically when in water and can be turned off manually if required. The light has the same attachment arrangement as DAN M3.

TECHNICAL SPECIFICATIONS

Color light	Blue
Light – Output	Minimum 0.75 cd
Light – Duration	Minimum 8 hours
Light – Type	Flashing LED
Material	ABS Polycarbonate / TPE
Storage Temperature	-30°C to + 65°C
Operating Temperature	-1°C to + 30°C
Storage Life	5 years
Weight – Nominal	35 gr
Battery Type	Lithium Manganese Dioxide
Activation	Water / Manual
Approvals	SOLAS / MED / USCG

ORDER INFORMATION

Description	Unit Sales	Articlenr
Daniamant W3 Life Jacket Light	1	SG05603

Seculux CFX-II Life Jacket Light

Automatic SOLAS life jacket light, 75 cm cable between battery and light, at least 4 years. For all inflatable life jackets and foam life jackets.



Seculux CFX-II Life Jacket Light
Manual switch off

Function

The life jacket light SECULUX CFX II functions in sea and fresh water at low temperatures, and has a manual off switch. The light and battery are separate components, there are various easy ways of fitting the light, and it is easily stowed in your life jacket.

Features

- fully automatic water-activated light works in both fresh water and seawater
- lightweight, compact design for easy stowage
- easy to secure with built-in attachment clip
- classed as non hazardous transportation
- can be used with all Secumar life jackets

TECHNICAL SPECIFICATIONS

Diameter of lightbase	37 mm
Dimensions of battery	25 x 35 x 45 mm
Light intensity	0,75 candela
Light duration	8 hours
Weight	80 gr
Power source	Lithium battery, 2x 3 Volt
Wire length	75 cm
Lifetime	5 years from date of manufacture
Approvals	EC Type Approval ('Wheelmark') SOLAS #161.112/56/0 US Coast Guard #161.012/56/0

ORDER INFORMATION

Description	Unit Sales	Articlenr
Seculux CFX-II Life Jacket Light	1	SG05602

ACR HemiLight™3 Life Jacket Light

The choice of cruise lines worldwide, the ACR Auto HemiLight™3 flashing survival light attaches to almost any style life jacket to safely meet USCG, MED and SOLAS requirements.



Design

Smaller than other approved lights, the HemiLight™3 features rounded edges to maintain the integrity of inflatable life jackets. Attachment loops accommodate up to 5 cm (2 in) wide webbing, and the marine tough design ensures years of useful service.

20+ hours activation

The high-intensity flashing LED light automatically activates for 20+ hours when it comes in contact with salt or fresh water, and

can be deactivated simply by pushing the red button.

Installation

Installation is quick and easy, the HemiLight™3 can be retrofitted to almost any style life jacket in a matter of seconds.

Configurations

Available in two configurations: the HemiLight™3 offers a basic strobe mode which can be activated either manually or automatically.

ACR HemiLight™3 Life Jacket Light
Operates in fresh and salt water

TECHNICAL SPECIFICATIONS

Dimensions	6.19 x 30.2 x 2.87 cm
Weight	28 gr
Materials	Polycarbonate
Color	Yellow
Activation	Automatic when in contact with water (fresh or salt), deactivate via manual off button.
Waterproof	Water tight to 3 meters Meets IMO standard
Beam angle	All directions of the upper hemisphere
Operational life	Exceeds 8 hour requirement Typical operational life of 20 hours
Operating temperature	-1°C to 30°C
Stowage type	-30°C to 65°C
Approvals	USCG SOLAS, MED SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
ACR HemiLight™3 Life Jacket Light	1	SG05601

Alcares Jack Life Jacket Light

The light is an automatic water activated light type with a manual on/off switch and a constant light type.



Alcares Jack Life Jacket Light
Manual switch on/off

Function

The light is an automatic water activated light type with a manual on/off switch, and a constant light type. It is activated by moving the activation arm around the corner clockwise thereby enabling the automatic mode. The light will then turn on, if in contact with water. After being activated, the light stays turned on disregarding the water contacts are lifted out of the water. The light is deactivated by moving the activation arm around the corner anti clockwise. If the light after disruption is brought back to automatic mode, and water contacts are dry, splash water on the contacts and the light goes on again. Activation and deactivation is clearly marked on the label.

Features

- with a height of only 16 mm this light can easily fit into any life jacket without hampering movement of life jacket material
- this extremely visible LED light is an automatic water activated light with a manual on/off switch
- the light can be equipped with two different types of clips to meet different requirements for attachment rounded edges ensure life jacket integrity
- light intensity is well above the 0,75 cd approved standard
- do not recharge, incinerate or dismantle the light! Disposal of lights should be done in accordance to regulations

TECHNICAL SPECIFICATIONS

Types	Alcares / Jack AF or Jack AL-ALK
Dimensions	88 x 42 x 16 mm / 85 x 42 x 16 mm (l x w x h)
Height dome	9 mm / 9 mm
Material	Polycarbonate / Polycarbonate
Weight	56 gr / 67 gr
Battery	Nonhazardous lithium / Alkaline
Storage life battery	5 years storage life (store between -30°C and +65°C)
Operational life	8 hours / 8 hours
Operational temperature	- / -1°C tot + 30°C
Light intensity	- / minimum 0.80 candela
Approvals	Jack AF: Solas MED 96/98/EC, USCG, TC, AMSA, RS Jack AF - ALK: Solas MED 96/98/EC

ORDER INFORMATION

Description	Unit Sales	Articlenr
Alcares Jack Life Jacket Light, type: Jack AL-ALK	1	SG05604

Man Over Board MOB1 personal locator device

The worlds smallest personal locating AIS Man Over Board device with integrated DCS. The MOB1 is intended to be installed within the life jacket and will activate automatically on inflation, sending the first alert within 15 seconds. In an emergency MOB1 provides two methods of rapidly communicating your location back to the vessel, plus providing visual indication.



MOB1 Man Over Board
Personal locator device

Rapid rescue

The best chance of rapid rescue if you fall overboard comes from your own vessel. Your crew needs to be immediately aware of the incident and keep track of your position whilst recovery is carried out. Even in the most moderate seas it is alarming how quickly a visual sighting of a man overboard can be lost.

Precise location

Once activated your MOB1 will transmit an alert to all AIS receivers and AIS enabled plotters in the vicinity. The integrated GPS ensures precise location is sent to your vessel and any others that may be assisting. An

additional feature of the MOB1, is its ability to activate the DSC alarm on your vessels VHF, alerting your crew to the situation.

Compatibility

Most modern AIS plotters and DSC VHF comply with the standards required to receive the MOB transmissions. It is recommended that you check compatibility with the equipment manufacturer, particularly if you are using older equipment.

Strobe light

The integrated strobe light ensures maximum visibility in low light conditions.

TECHNICAL SPECIFICATIONS

Communication method	AIS (Automatic Identification System) DSC (Digital Selective Calling)
Dimensions	Height 134 mm Diameter 38 mm
AIS transmission Transmit Power	1Watt
Frequency	161.975/162.025MHz
DSC Transmission Transmit Power	0.5Watt
Frequency	156.525MHz
Messages	Individual Distress Relay Distress Alert (by single call made on press of the activation button)
Temperature range	-20°C - +55°C (operational)
Temperature range	-30°C - +55°C (storage)
Waterproof	10 meter depth
Weight	92 grams
Battery lifetime	7 years
Approvals	RTCM SC11901, EN303 098-1

ORDER INFORMATION

Description	Unit Sales	Article nr
Man Over Board MOB1 personal locator device	1	SG05811

Sea Marshall AU9X PLB

Within 2 - 5 seconds of immersion in water, the Sea Marshall AU9X sends a distress signal on 121.5MHz which is then tracked using a sMRT SARfinder base unit. The Sea Marshall AU9X is intrinsically safe and has ATEX approval for Zone 2 areas.



Sea Marshall AU9X
Personal locator device

Function

The Sea Marshall AU9X works in seconds, sending an emergency alert and tracking on 121.5 MHz, after automatic or manual activation. All nearby vessels will receive the alert and be able to track, using their SARfinder 121.MHz homing signal, to quickly locate and track the man overboard (MOB) casualty.

Features

- worldwide ATEX Zone 2 approval
- lightweight and easily integrates in to a life jacket
- 2 second auto-activation via immersion in water or manual operation
- minimum of 12 hours emergency transmission on 121.5 MHz - International Search and Rescue frequency
- LED light on antenna for visual tracking
- automatic low battery indicator
- test function to check signal transmission and battery power

TECHNICAL SPECIFICATIONS

Tx frequency	121.5 MHz (Test Units: 121.65 MHz)
Bandwith	25KHz (in alignment with ETSI)
Modulation	Continuous swept tone A3X
Alerting radius	Surface-to-surface: 2 to 3 nautical miles (100mW) depending on sea state, atmospheric conditions and altitude/height of receiving antenna
121.5 MHz Tx Power Output	100mW
Time to Auto-Activation from READY	2 seconds
Time to Water-Activation Override from OFF	40 seconds
Battery type	2 x CR-AA 3V battery pack
Operating time	minimum 12 hours
Battery service life	1 year (at 20°C)
Operating temperature	-20°C - +55°C
Storage temperature	-55°C - +70°C
Dimensions	90 x 80 x 35 mm, antenna length: 105 mm
Antenna lenght	105 mm
Weight	250 gr including antenna
Internal loudspeaker	80dB
Environmental resistance	IP68, Eurocae ED-14F
Approvals	CE, FCC, ATEX Zone 2 II 3G (AU9-X)

ORDER INFORMATION

Description	Unit Sales	Article n°
Sea Marshall: AU9X personal beacon locator	1	SG05801
Sea Marshall: AU9X harnas	1	SG05802

Electronic Distress Flare EDF1

The EDF1 electronic distress flare offers users a safe and long-lasting solution to visual signaling in an emergency.



Electronic Distress Flare EDF1
Visual signaling in an emergency

Advanced LEDs

The unique lens design combined with the use of advanced LEDs and highly efficient circuit technology ensures a constant level of light output throughout the life of the user replaceable battery.

Light coverage

The light output is a beam of over 30° throughout the full 360° azimuth, providing in excess of 6 times more light coverage than other electronic flares. Light is also distributed throughout the hemisphere above the unit to ensure visibility from the air.

Repeatedly usage

Unlike single use pyrotechnic flares the rescueME EDF1 can be used repeatedly in any of its four modes, ensuring continued visibility is maintained over a longer period. The unit is both safe to store and operate while also eliminating any worries associated with disposal.

Grab bag

The compact size and rugged design means the rescueME EDF1 is the perfect safety product for a grab bag, life raft or hiker's backpack.

TECHNICAL SPECIFICATIONS

Type	Lithium Primary
Chemistry	LiMnO2
AIS transmission Transmit Power	> 6 hours
Temperature range	20°C to +55°C (operational)
Temperature range	30°C to +70°C (storage)
Waterproof	10 meters at +20°C
Weight	155 grams
Size	187 mm x 42 mm
Modes of operation	4 plus SOS signaling
Reach	7 mile / 11,2 km
Battery	Easy change replaceable battery

ORDER INFORMATION

Description	Unit Sales	Articlenr
Electronic Distress Flare EDF1	1	20121003

Lifebuoys, 2.5 and 4 kgs

Inherent buoyant lifebuoy for use on board of vessels or offshore installations. Durable synthetic material, reflective striping and grab line.



Features

- Solas 2.5 kg lifebuoy: the lifebuoy may be fitted with a light & smoke signal
- Solas 4 kg lifebuoy: the lifebuoy may be fitted with a light & smoke signal

- the name and the port of registry of the ship
- two last digits of year affixed
- not less than 50mm high

Important notice

Buoy 2.5 kg: not to be used where light and smoke signal is to be fitted and maximum permitted fall height is 30 metres. The 2.5 kg lifebuoy is the standard for inland shipping.

Marking for identification

The lifebuoy shall be marked in block capitals of the Roman alphabet with:

Lifebuoy

2.5 kg and 4 kg

TECHNICAL SPECIFICATIONS

Outer diameter	751 mm +/- 2%
Inner diameter	450 mm +/- 2%
Reflective tape	yes
Materials	Buoy ring: EUROPOL RCC 128P Grab line: polyethylene 10 mm
Maximum installation height	60 meter
Color	International orange
Approvals	EC / SOLAS / MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Lifebuoy 2.5 kgs	1	20120066
Lifebuoy 4 kgs	1	20120065
Lifebuoy lanyard, 30 meter	1	SG05722
Lifebuoy cabinet Polyethylen 30"	1	20120009
Lifebuoy Y bracket, Stainless steel	1	SG05753
Lifebuoy bracket, Stainless steel	1	SG05751
Lifebuoy, lettering	1	20120027

Lifebuoy Lanyard

Orange lifebuoy lanyard; meets all stringent demands.

Features
A safety line to attach to a lifebuoy to pull back the lifebuoy.



Lifebuoy lanyard
Safety line

TECHNICAL SPECIFICATIONS

Material	Lanyard: Polypropylene Ring: Rubber
Color	Orange
Weight	App. 1.5 kgs for 50 meters

ORDER INFORMATION

Description	Unit Sales	Articlenr
Lifebuoy lanyard with ring, with 20 meter line	1	SG05721
Lifebuoy lanyard with ring, with 30 meter line	1	SG05722
Lifebuoy lanyard with ring, with 50 meter line	1	20120030
Lifebuoy lanyard with ring, with 60 meter line	1	20120033
Lifebuoy lanyard excluding ring, with 30 meter line	1	SG05724

Encapsulated Safety Line

It is an encapsulated safety line of 30 meter to suit 24" or 30" lifebuoys.



Features

It is an encapsulated line made of polypropylene orange rope with a breaking strain of 250 kgs which fits neatly in the inner

diameter of the buoy providing a good stowage facility and protection of the line from environmental deterioration.

Lifebuoy safety line

Providing a good stowage facility

TECHNICAL SPECIFICATIONS

Material	Polypropylene
Color	Body: White Rope: Orange

ORDER INFORMATION

Description	Unit Sales	Articlenr
Encapsulated Safety Line, 30 meter line	1	SG05723

Lifebuoy Bracket Stainless Steel, standard

Chrome finished steel lifebuoy Y-bracket for installation of a life buoy against the railing or the wall.

- Features**
- bracket is pre-drilled



Lifebuoy bracket stainless steel, standard
For installation against railing or the wall

TECHNICAL SPECIFICATIONS

Dimensions	Appr. 720 x 380 x 110 mm
Material	3 mm stainless steel
Color	Stainless steel

ORDER INFORMATION

Description	Unit Sales	Articlenr
Lifebuoy bracket chrome	1	SG05753
Lifebuoy bracket chrome, J shape	1	SG05752

Lifebuoy, MOB and lifeline bracket, stainless steel

Stainless steel bracket to mount lifebuoy against railings or walls.



Features

- rigid offshore design will keep buoy in place under the worst weather conditions
- predrilled bracket for various lifebuoy lights
- predrilled installation plate for easy fixation with u-bolts to the railing
- bracket for lifeline

Lifebuoy bracket
Stainless steel

TECHNICAL SPECIFICATIONS

Dimensions	Appr. 720 x 380 x 110 mm
Weight	5.5 kg
Materials	4 mm stainless steel 316
Color	Non-coated

ORDER INFORMATION

Description	Unit Sales	Articlenr
Lifebuoy bracket, Stainless steel	1	SG05751

Daniamant L90 Lifebuoy Light

The Daniamant L90 uses five alkaline batteries, offering a life of one year. Robust and reliable, the Daniamant L90 is automatically activated after release.



- Features**
 - the Daniamant L90 is supplied complete with a 2.5m lanyard
 - minimum 2 cd light output
- minimum 2 hour light duration
 - fully MED approved
 - IMO SOLAS approved

Daniamant L90 Lifebuoy Light
Activated after release

TECHNICAL SPECIFICATIONS

Weight	1080 gr
Dimensions	380 mm
Lamp	4 Volt, 0.6 Amp.
Batteries	5 1.5 Volt LR20
Activation	Self-activating by tilt switch
Approvals	IMO / SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Daniamant L90 Lifebuoy Light, bracket and battery included	1	SG05731
Bracket for Daniamant L90 Lifebuoy Light	1	SG05732

Daniamant L160 Lifebuoy Light

The L160 lifebuoy light is a water-activated system designed for automatic actuation by the act of releasing the lifebuoy to which the unit is attached, such that the battery is unsealed ready for use when the light is pulled from the housing. The light illuminates when the unsealed battery is immersed.



Daniamant L160 Lifebuoy Light

Designed to be smaller and highly resistant

Features

- the L160 lifebuoy light has a 5-year storage life and uses the famous water-activated, silver chloride-magnesium batteries first developed by McMurdo, for intrinsically safe operation
- the L160 is both corrosion and tamper-proof, so the batteries cannot be removed or expended accidentally, nor can they be

- activated unless removed from the container and floated in fresh or salt water
- the lamp is sealed inside a tough, polycarbonate dome
- in addition to its other advantages, the McMurdo L41B has been designed specifically to be highly resistant to accidental damage onboard ship and to deflect rope impacts

TECHNICAL SPECIFICATIONS

Weight	Light 184 gr Complete assembly 310 gr
Dimensions	185 x 70 mm Ø
Approvals	IMO / SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Daniamant L160 Lifebuoy Light	1	SG05733

Daniamant L161 Lifebuoy Light

The Lifebuoy light is designed to deliver, as a minimum standard, the 2cd output specification and 2 hour duration required by IMO SOLAS regulations.



Features

- five year life
- no maintenance or replacement batteries are required
- compact size
- 76 meter drop height, exceeding SOLAS requirement
- easy fitting
- LED technology
- exempt from Class 9 transport requirements
- ATEX Ex proof

Daniamant L161 Lifebuoy Light

The only water activated intrinsically safe Lifebuoy light

TECHNICAL SPECIFICATIONS

Weight	300gr
Dimensions	185 x 106 mm
Storage temperature	-30°C to + 65°C
Operating temperature	-1°C to + 30°C
Light output	2 candela
Approvals	SOLAS / MED /ATEX

ORDER INFORMATION

Description	Unit Sales	Articlenr
Daniamant L161 Lifebuoy Light, ATEX proof	1	SG05735

Comet red hand flare

The Comet Red Handflare conforms to SOLAS 74/88 as amended. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water. Featuring a unique telescopic handle with improved grip, making it very compact for stowage. Easily extended for safe handling and operation by pull wire igniter. Produces hot red flame for 60 seconds at 15000 candela.



Comet red hand flare

Designed to withstand exceptional environmental exposure

Applications

For use day or night the Comet red hand flare is a short-range distress signal used to pinpoint position. May be carried on the ship's bridge and is a requirement in ship's lifeboats and life rafts. The hand flare is suitable for use on other commercial and recreational boats. Also available is the Comet White Collision Warn-off hand flare which is for use day or night when a collision danger exists or for the illumination of small areas outside.

Storage

Ideally, both products should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.

Operation

1. Pull out red end until telescopic tube is fully extended and engaged.
2. Unscrew red end cap and point away.
3. Pull ball out sharply to fire.
4. Hold at arms length. Point Downwind. End plug ejects after 2 seconds delay.

TECHNICAL SPECIFICATIONS

Length	175 mm (6.9 ins)
Length with handle pulled out	280 mm (11 ins)
Diameter	28 mm (1.1 ins)
Weight	160 gr (5.6 oz)
Light intensity	15,000 candela
Burning time	60 seconds
Ignition	Pull-wire igniter
Net explosive content	61 gr (2.14 oz)
Approvals	SOLAS 74/88 as amended, IMO resolution MSC. 81(70) Part 1, (MED) 96/98/EC, SBG 426.004, BAM PT1 -1108, USCG

ORDER INFORMATION

Description	Unit Sales	Article nr
Comet red hand flare	1	SG05901

Pains Wessex hand flare

Red hand-held, short range distress signal. Used to pinpoint location by day or night.



Features

Burns for 60 seconds at 15,000 candela.
Features a unique telescopic handle making it very compact and space saving when stowed.
Easily extended and pull wire operated.

Applications

- use to signal distress by day or night.
- hand-held and short range flare used to pinpoint position.
- typically 6 hand flares are required to be fitted in SOLAS/commercial life rafts and lifeboats

Pains Wessex hand flare
Used to pinpoint location

TECHNICAL SPECIFICATIONS

Length	175 mm (6.9 ins)
Length with handle pulled out	280 mm (11 ins)
Diameter	28 mm (1.1 ins)
Weight	160 gr (5.6 oz)
Light intensity	15,000 candela
Burning time	60 seconds
Color of light	Red
Ignition	Pull-wire igniter
Net explosive content	61 gr (2.14 oz)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Pains Wessex Handflare	1	06130009

Comet Parachute Signal Rocket, Red



Comet Red Parachute Signal Rocket, red
Designed to withstand exceptional environmental exposure

The Comet Red Parachute Signal Rocket conforms to SOLAS 74/88 as amended. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water, the pull wire igniter and improved grip provides easy handling.

Ejecting a red Flare suspended on a parachute at 300m (1000ft), burning for 40 seconds at 30,000 candela.

Applications

A day or night long-range distress signal. May be carried on the ship's bridge and is a requirement in ship's lifeboats and life rafts, also suitable for use in other commercial and recreational boats.

Storage

Ideally, should be stored in the robust, specially designed Polybottle, or in a dry, easily accessed location at ambient temperature.

Warning

- ejects rocket projectile - do not point at people or property
- do not fire in a confined space
- keep out of reach of children
- only for emergency use at sea

- if damaged or dented do not use
- do not dismantle
- keep away from source of heat
- do not use after expiry date

Disposal

Pyrotechnics must be treated as hazardous waste and must be disposed of responsibly in accordance with local regulations.

Operation

- hold signal firmly by ribbed handle. Unscrew RED bottom cap. Do not point at people or property
- hold rocket vertically above head pointing away from body
- ensure hands remain clear of top. To fire - pull red ball sharply down

TECHNICAL SPECIFICATIONS

Dimensions	295 x 38 mm Ø
Weight	270 gr (9.45 oz)
Light intensity	30,000cd candela
Burning time	40 seconds
Ignition	Pull-wire igniter
Altitude	300 m (985 ft)
Approvals	SOLAS 74/88 as amended, IMO Resolution 96/98/EC. SBG 425.005. USCG

ORDER INFORMATION

Description	Unit Sales	Articlenr
Comet Parachute Signal Rocket, red	1	SG05902

Pains Wessex Red Rocket

Pains Wessex red rocket.



Pains Wessex Red Rocket
Easy handling

Applications
A day or night long-range distress signal. 12 should be carried on the ship's bridge and 4 are required in ship's lifeboats and life rafts, also suitable for use in other commercial and recreational boats.

Features
The Pains Wessex Para Red MK8A Rocket conforms to SOLAS 74/88 as amended. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water, the pull

wire igniter and improved grip provides easy handling. Ejecting a red flare on a parachute at 300m (1000ft), burning for 40 seconds at 30,000 candela.

Usage
Remove red end cap. Hold firmly, vertically above head at arms length. Turn head away and pull toggle. Rocket is ejected instantaneously with a loud report and slight recoil. Be careful not to direct towards people or property.

TECHNICAL SPECIFICATIONS

Length	295 mm
Diameter	Diameter at handle: 38 mm Diameter: 32 mm
Weight	235 gr
Light intensity	30,000 candela
Burning time	40 seconds
Altitude	300 m
Ignition	Pull-wire igniter
Net explosive content	84 gr

ORDER INFORMATION

Description	Unit Sales	Articlenr
Pains Wessex Red Parachute Signal Rocket	1	06130005

Comet Smoke Signal, Orange

The Smoke Signal Orange is a compact, daylight distress signal designed to be easy and safe to handle. It provides effective position marking during rescue operations and can be used to indicate wind direction, producing dense orange smoke for a minimum of 3 minutes.



Comet Smoke Signal, orange

Designed to be easy and safe to handle

Application

The Comet orange smoke signal is a small and compact distress signal for daylight use designed for stowage in liferafts and lifeboats. SOLAS requires 2 smoke signals per raft/boat.

Features

- signal for position marking during rescue operations
- indicates wind direction
- safe use on oil or petrol covered water
- conforming to SOLAS 74 as amended
- ideal also for leisure boats

Storage

This compact unit is ideally stored in a water-resistant locker at ambient temperature allowing easy access in an emergency or in the robust, specially designed polybottle.

Operation

- 1. Remove plastic cap. Point away from body.
- 2. Pull tab firmly away from canister. Ensure hand remains clear of HOT END.
- 3. Throw life smoke overboard immediately. Smoke will be emitted after a 2 second delay.

TECHNICAL SPECIFICATIONS

Dimensions	114 (h) x 82 (Ø) mm
Weight	370 gr (13.05 oz)
NEC	239 gr (8.43 oz)
Burning time	3 minutes minimum
Colour of smoke	orange
Ignition	percussion ignitor with 2 seconds safety delay
Approvals	SOLAS 74 as amended, Res. MSC 81 (70). Approvals: CE 0589, BAM-P1-0191, 0589-P1-0324, BGV MED 423.008, USCG 160.122./21/0, 160.022/21/0, and other major maritime authorities worldwide.

ORDER INFORMATION

Description	Unit Sales	Article n°
Comet Smoke Signal, Orange	1	SG05904

Pains Wessex Orange Smoke Signal

Pains Wessex Orange Smoke Signal.



Pains Wessex Orange Smoke Signal
Small and compact

Applications

The Pains Wessex life smoke MK8 is a small and compact distress signal for daylight use only, designed for stowage in life rafts. Signal for position marking during rescue operations. Indicates wind direction. Safe to use on oil or petrol covered water. Conforming to SOLAS 74/88 as amended. Two signals are required carriage in SOLAS life rafts and lifeboats. Two are supplied in RORC and Offshore leisure kits.

Features

The Pains Wessex life smoke MK8 is a compact, flat top, day time distress signal designed to be easy and safe to handle. It provides effective position marking during rescue operations and can be used to indicate wind direction, producing dense orange smoke for a minimum of 3 minutes.

Usage

Peel off top cap, pull string sharply away from body. A 2 second delay allows time to throw the canister downwind into the water.

TECHNICAL SPECIFICATIONS

Dimensions	100 x 84 mm Ø
Weight	370 gr (13 oz)
NEC	200 gr (7 oz)
Burning time	3 minutes minimum
Color of smoke	Orange
Ignition	pull-wire igniter with 2 seconds safety delay

ORDER INFORMATION

Description	Unit Sales	Articlenr
Pains Wessex Orange Smoke Signal	1	06130006

Comet Light Smoke Signal MOB

The comet light and smoke lifebuoy marker features 15 minutes of dense orange smoke and a self-activated lighting system which far exceeds solas requirements for light output and duration. It is mounted on a ship's bridge wing with the bracket supplied and is attached by line to a lifebuoy. The signal is used to mark the position of a man overboard by day or night. It can be automatically deployed by releasing the attached lifebuoy, or manually activated.



Comet light and smoke lifebuoy marker

Used in emergency to mark position of man overboard

Application

- Day and night signal attached to 4kg lifebuoy and used in emergency to mark position of man overboard
- Provides 15 minutes of dense orange smoke
- Far exceeds SOLAS requirements of 2 hours at 2 candela for light output and duration
- Safe to use on petrol or oil covered water
- Lithium battery sealed for life - no annual replacement
- Automatic or manual deployment
- Universal stainless steel mounting bracket. Usually mounted on a ship's bridge wing
- Tested to survive a 60m drop into water (SOLAS 30m)
- Ideal for use on ships or rigs with high free board

Storage

This compact unit is ideally stored in good magazine conditions in an upright position, mounted to its stainless steel bracket in our original packaging.

Onboard vessel: two units are normally required to be carried. Mounted inverted and attached to a Lifebuoy. Usually positioned on each Bridge wing and need a clear, uninterrupted drop into the water.

Operation

- 1. Signal and lifebuoy mounted on bridge wing in ready to fire position.
- 2. Release locking pin and lifebuoy falls, automatically deploying marker.
- 3. Alternatively, manually throw lifebuoy overboard.

Warning

- Produces dense orange smoke - do not inhale.
- Do not fire in a confined space
- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date

Disposal

Pyrotechnics must be treated as hazardous waste and must be disposed of responsibly in accordance with local regulations.

Approvals

Conforms to SOLAS 74/88 as amended. IMO Resolution MSC 81 (70) part 1. MED.96/98/EC. SBG 422.006 and other maritime authorities worldwide.

TECHNICAL SPECIFICATIONS

Height	453 mm (17.83ins)
Diameter	275 mm (10.83ins)
Weight	4.7 kgs (10.36 lbs)
Weight - including bracket	6.7 kg (14.77 lbs)
Lamps (bulbs)	2 x 2.4v 1.2A
Operating temp range	-1°C - + 30°C
Storing temp range	-30°C - + 65°C
Colour of light	White
Burning time	15 minutes
Duration	2 candela for 2 hours
Use with lifebuoy weighing	4.0 kgs (8.82lbs)
Attach to lifebuoy with line	4 m (13ft) long, 9.5 mm (0.37ins) diameter

Comet Light Smoke Signal MOB

ORDER INFORMATION

Description	Unit Sales	Articlenr
Comet Light Smoke Signal MOB	1	SG05910

Comet Line Throwing Device

A self-contained line-throwing appliance consisting of a weatherproof plastic casing with end cap, twist-grip trigger assembly, rocket and line. Fully compliant to the latest international SOLAS legislation, the device has a throwing range of between 230m and 250m and meets world-wide approval standards. A solid propellant is used which guarantees a highly accurate flight path even in strong side winds.



Comet line throwing device
Designed for ease operation

Applications

The Comet line thrower 250 is designed for ease of operation in the most extreme weather conditions. It can be used in all situations where a line is required to be passed accurately and quickly.

Features

- all line-throwing operations at sea between vessels, ship-to-shore, shore-to-ship and shore based rescue services
- rescue of swimmers in distress
- line carrying across obstacles and rough terrain

Storage

This compact appliance is ideally stored in a water-resistant locker at ambient temperature allowing easy access in an emergency. The set of 4 appliances normally carried onboard can be dispersed in strategic positions throughout the vessel.

Operation

- 1. Remove the front cover and point in the desired flight direction.
- 2. Pull out safety pin.
- 3. Aim over the top of target. Be prepared for recoil.
- 4. Turn grip to left or right to fire.
- 5. If misfire occurs hold unit in firing position for one minute, then dispose of overboard.

TECHNICAL SPECIFICATIONS

Dimensions	330 x 313 x 205 mm Ø
Weight	4.3 kgs
Explosive content	113 gr
Line breaking strain	>2 kn
Approvals	SOLAS 74/88 as amended, IMO resolutions MSC. 81(70) Part 1, (MED) 96/98/EC, SeeBG MED 424.002, SAS S010012, USCG

ORDER INFORMATION

Description	Unit Sales	Articlenr
Comet Line Throwing device	1	SG05907

Pains Wessex Line Thrower

Pains Wessex Line Thrower 250 meters.



Features

A self-contained line-throwing appliance consisting of a plastic case with an end cap and 250m of line , an integral striker mechanism plus a rocket. Fired by a twist grip and used for passing a 4 mm diameter. line

from ship to ship and ship to shore or for rescuing a swimmer in distress. Ships typically have to carry 4 units to comply with SOLAS regulations. Rocket propels line 250 meter in calm conditions.

Pains Wessex Line Thrower

Self-contained rocket propelled line throwing appliance

TECHNICAL SPECIFICATIONS

Dimensions	330 x 313 x 205 mm Ø
Weight	4.2 kgs
Explosive content	113 gr
Line breaking strain	>2 kn
Approvals	SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Pains Wessex Line Thrower	1	06130002

Comet Life Boat Set

Container for the safe and dry storage of various pyrotechnics in marine environment like lifeboats or MOB boats.

Contents for a lifeboat set

- 6x Comet Hand flare
- 4x Comet Parachute signal

- 2x Comet Smoke Signal
- 1x Container



Comet life boat set

For safe and dry storage

TECHNICAL SPECIFICATIONS

Container

Dimensions	220 x 410 mm
Material specs	PVC container with screw off lid Rubber seal in lid

ORDER INFORMATION

Description	Unit Sales	Articlenr
Comet Life Boat Set	1	SG05906
Extra watertight Comet container: width 218 mm, height 400 mm, diameter 218 mm, 12 liter	1	SG05909

Comet Bridge Set

Container for the safe and dry storage of pyrotechnics in marine environment like lifeboats or MOB boats.

- Contents for the bridge set**
- 12x Comet Parachute rockets
 - 1x Container



Comet bridge set
For dry and safe storage

TECHNICAL SPECIFICATIONS

Container	
Dimensions	220 x 410 mm
Material specs	PVC container with screw off lid Rubber seal in lid

ORDER INFORMATION

Description	Unit Sales	Articlenr
Comet Bridge Set	1	SG05905

Diphoterine sterilize products

Diphoterine deactivates and eliminates the aggressive product. It is a composition of an absorbent material which immediately reacts to the hazardous liquid chemicals, and then drains away. The residues formed in this way are not corrosive, and are naturally removed.



Diphoterine sterilize products

Deactivates and eliminates the aggressive product

Features

Diphoterine, a particularly fast and effective absorbing agent is a "chelating amphoteric (sequester) agent". One of the properties of this molecule with multiple opportunities to multiply, is that the aggressive molecules attract both irritant as caustic substances. Water is unable to do so. Diphoterine is available in various models with additional accessories. sustainability of Diphoterine is 1 year.

LIS Sterilised eye fluid

- 50 ml (excl belt holder)
- anywhere to bring
- readily available, ensuring optimum efficiency
- ergonomic and easy to use
- economic
- optimally efficient: <10 seconds

MINI DAP: Diphoterine in spray 200 ml

- is used against the use of tools and tool box is kept
- gives a very fine mist

- application: local (hands, face, ...)

MICRO DAP: Diphoterine aerosol of 100 ml

- Same as MINI DAP, however, in portable leather belt holder

DAP: Diphoterine portable device with capacity of 5 liters

- suitable for placing in operation or vehicle
- application: for the whole body
- refilling possible
- optional: anti-freeze

IMPORTANT

When using the Diphoterine products, LIS, MINI MICRO DAP and DAP it is important that you use all the contents. Even if you immediately feel relief, you need to continue treatment (see instructions on the label and follow them!). You should also bear in mind that as "sour" products contain flour, you should use Hexafluorine instead of Diphoterine. Prices of Hexafluorine are (also) on request.

ORDER INFORMATION

Description	Unit Sales	Articlenr
LIS Sterilised eye fluid, 50 ml (excluding belt holder)	1	SG04663
MICRO DAP: Diphoterine aerosol of 100 ml	1	SG04664
MINI DAP: Diphoterine in spray 200 ml	1	SG04665
DAP: Diphoterine portable device with capacity of 5 liters	1	SG04662
Refill Diphoterine	1	SG04661
Polyethylene safety cabinet, type JBWA-70, green door	1	SG02421

Dräger Acute 2003

The Acute 2003 is a complete, quick-to-use resuscitation unit which will be of equal interest in emergency services, general practitioners and hospital personnel. The device concept drew on experience from all areas.



Dräger Acute 2003

Quick to use resuscitation unit

Features

Among the outstanding features of the Acute are the 100% by volume oxygen delivery, the simultaneous operation of several components and a "one-third hatch" which offers easy access to the main accessories even in confined spaces.

Even from a distance, the robust, highly condensed polyethylene case is clearly visible thanks to its bright orange colour. Depending on how much space is available at the scene of the emergency the pack can be used either in upright or horizontal position. Both sections of the lid can be opened out of 180°C.

Equipment

Inside the Acute no space is wasted, as all the contents are ergonomically arranged. The pack contains everything emergency ventilation requires - the main component is a 2.5 L oxygen cylinder equipped with an Alduk I compact pressure reducer. This features two 5 bar outlets and an inhalation nipple which is adjustable in steps between 0-15 L/min using the flow regulator.

Additional components

- Oxidem 3000 demand valve for flow-controlled
- resuscitator 2000 manual ventilation bag, including masks
- subjector 2000 bronchial aspirator
- an inhalation mask
- all connections hoses needed for operation

TECHNICAL SPECIFICATIONS

Dimensions	600 x 200 x 240 mm
Weight incl contents	Approx. 7 kgs
Pack material	Polyethylene, highly condensed
Clip fasteners	Polyethylene, replaceable
Capacity O2 cylinder	2 liter
Filling pressure O2 cylinder	200 bar
Material O2 cylinder	Steel

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Acute 2003	1	38S1802

First Aid Kit

First aid kit in plastic container. Container fitted with wall bracket. First aid kit container suitable for mechanical workshops.



First aid kit
Suitable for shipping

Features

- orange plastic first aid kit
- made from high quality ABS plastic, so it's sturdy and shockproof
- the kit can be mounted to a wall with the wall bracket
- the two-section kit is fitted with Plexiglas sheets inside to prevent the contents from falling out when opening
- the bag is waterproof

- the rubber seal ensures that resources are protected from dirt and dust
- size 33 cm x 23 cm
- content according to directive and regulation BHV and inland shipping

Important

The kit should always be within reach. It is important that the contents of the kit regularly (checked) and if necessary replaced.

TECHNICAL SPECIFICATIONS

Dimensions	330 x 230 mm
Color	Orange

ORDER INFORMATION

Description	Unit Sales	Articlenr
Toolsan First Aid Kit	1	SG04811
Complete refill, without tweezers and scissors	1	19110024

First Aid Backpack

Compact handy backpack with first aid content. Equipped with reflective cross and triangle on the front pocket. The content is separated. The first aid backpack can also be used as a shoulder bag and is easy to hang on the wall. The backpack is waterproof and suitable for emergency response and first aid. Content is according to the guidelines of the Orange Cross.



Contents

- 3 First aid dressing 6 x 8 cm sterile
- 4 First aid packet medium sterile
- 4 Gauze compress sterile 5 x 8,5 cm
- 4 Non-woven compress sterile 10 x 10 cm
- 3 Synthetic wadding 3 m x 10 cm
- 5 Aluminium wound dressing 10 x 10 cm
- 2 Elastic bandage 4 m x 6 cm
- 10 Wound closure strips 3 x 7,6 cm
- 2 Self-Adhesive Fixation Bandage 4 m x 8 cm
- 3 Ideal supportive bandage 5 m x 8 cm
- 2 Triangular bandage non woven
- 1 Roll adhesive plaster
- 1 Assortment plaster bandages
- 1 Plaster bandage elastic 100 x 6 cm
- 1 Life saving kiss resuscitation mask
- 1 Lister bandage scissors 14 cm
- 4 Latex gloves non sterile
- 1 Rescue sheet gold/silver 160 x 210 cm
- 1 Splinter tweezer Feilchenfeld 8,5 cm
- 1 Tick-out tick tweezer
- 1 Disinfection liquid lotion 1%
- 1 First aid advice step by step leaflet

First Aid backpack

All first aid kit contents

TECHNICAL SPECIFICATIONS

Dimensions	340 x 100 x 380 mm
Material	Nylon 1680D
Color	Red
Packaging	Per piece in a bag

ORDER INFORMATION

Description	Unit Sales	Articlenr
First Aid Back Pack	1	19110018

Zoll AED Plus

A cardiac arrest or cardiac fibrillation is always sudden and, at that moment it is necessary to act immediately. Of course, one of the first things one should do is contact professional help. Zoll AED Plus does not only alert you when a transient is needed, also tells you if the heart massage is deep enough and runs at the right motion.



Zoll AED Plus

With a good step-by-step resuscitation guidance

Features

For the victim however, it is of the highest importance that directly first aid is granted. This first aid exists in the base from CPR and rescue breathing: an AED can increase the survival rate of the victim.

Dräger has consciously chosen for the Zoll's AED Plus.

This AED distinguishes itself from other brands

- ignores vibrations and movements of the vessel, making a good analysis
- based on IP55

- makes use of special CPR-D pad; a pressure point mounted to the electrodes, with which the pressure and the pace of the heart massage is controlled
- a good step-by-step-resuscitation guidance with understandable icons and clear voice
- a lifetime of batteries and electrodes of 5 years without maintenance
- the Zoll AED Plus is also the only AED using normal batteries, these are easy to replace and cheap to run the Zoll AED has a standard LCD screen 7 x 3 cm with, optionally, text or ECG-view.
-

TECHNICAL SPECIFICATIONS

Particle and watertightness	IP-55
Battery life	5 years
Display	LCD display, 70 x 30 mm
Dimensions	133 x 241 x 292 mm
Weight	3.1 kg
Operating temperature	0°C to +50°C
Storage temperature	-30°C to +60°C
Cable length	1.1 m
Recharge time	Less than 10 seconds when using new batteries
Energy level shock	120J-150J-200J
Warranty	7 years
Approvals	UL2601, AAMI DF-39, IEC 601-2-4, EN 60601-1

ORDER INFORMATION

Description	Unit Sales	Article nr
Zoll AED Plus, complete with carrying bag	1	19130027
Zoll AED cabinet, clear	1	19130029

Fire Blanket

A fire blanket is designed to smother a fire by cutting off its oxygen supply. The fire blanket is placed in a plastic wall container.



Features

- a fire blanket is a safety device designed to extinguish small starting fires
- it consists of a sheet of fire retardant material which is placed over a fire in order to smother it
- fire blankets are folded in to a quick-release container for ease of storage

Fire Blanket (normal)
To extinguish small fire

TECHNICAL SPECIFICATIONS

Material	Composition E glass Yarn: Warp: EC9 68 Ex Yarn: Werft: EC9 68 Ex Finish: 2 side white silicone coating 2 x 35 gm/m2
Blanket sizes	1200 x 1200 mm: container size: 285 x 160 x 36 mm 1200 x 1800 mm: container size: 360 x 160 x 36 mm 1800 x 1800 mm: container size: 460 x 160 x 36 mm
Color	Red
Approvals	Kitemark: BS EN 1869 / BS EN ISO 9002

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire blanket, 100 x 100 cm	1	SG00481
Fire blanket, 120 x 120 cm	1	18101002
Fire blanket, 120 x 180 cm	1	SG00483
Fire blanket, 180 x 180 cm	1	SG00484

Thermal Protection Blanket

Protection of people against rain, wind and cold to prevent hypothermia.



Thermal Protective Blanket
Protection against rain, wind and cold

TECHNICAL SPECIFICATIONS

Color	Yellow
Approvals	IMO and SOLAS

ORDER INFORMATION

Description	Unit Sales	Article number
TPA-SO: Thermal protective aid	1	SG04921

Stretcher Spencer Scoop

The Spencer scoop stretcher telescopes to accommodate the tallest patient and folds for compact storage designed so attendants can uncouple either end of the stretcher and gently scoop up the patient using scissors. Tubular aluminum construction with extruded aluminum blades.



Folding Spencer Scoop Grey
Also for tall patients

Features

Thanks to the scoop action carried out by two longitudinal edges it is possible to position the stretcher below the patient without having to move him/her. The scoop stretcher can be used to lift, transfer or transport the majority of patients.

The silhouette of the scoop stretcher has been studied to improve the insertion below the patient's body and at the same time stabilise when transferring or transporting.

Material

Special attention has been given to the choice and definition of the material used in construction, which have to respond to certain needs: lightness, mechanical resistance, trustworthiness and durability.

Available types

- gray Spencer scoop stretcher
- orange Spencer scoop stretcher

TECHNICAL SPECIFICATIONS

Length minimum	167 cm
Length maximum	201 cm
Width	42,5 cm
Depth folded	9 cm
Weight	10 kgs
Load capacity	170 kgs

ORDER INFORMATION

Description	Unit Sales	Articlenr
Stretcher Spencer Scoop	1	SG04721
Bracket for Stretcher Spencer Scoop	1	SG04722
Storage bag for Stretcher Spencer Scoop	1	SG04723
Shoulder Strap (2Pcs) for Stretcher Spencer Scoop	1	SG04724

Stretcher Spencer Shell Basket

This shell is a design for a wide range of rescue situations. The shell is built from high density cross linked polyethylene, this avoids splintering and cracking. The surface is impervious to body fluids and petroleum products. Easy to keep clean. Especially usable rescue operations in mines and in water.



Spencer Shell basket

Ideal for rescue operations in mines, at altitude and in water

Applications

The Spencer basket stretcher Shell, has been studied to confront the most difficult of emergency situations. It is ideal for rescue operations in mines, at altitude and in water. Thanks to its robust form, resistance and flexibility of use, it is indispensable anytime that a reliable and safe stretcher is needed.

Features

A revolutionary technique has been used in its realization which ensures uniform thickness of the entire length of the stretcher. The shell is in high-density polyethylene and is joined to an aluminium framework that aims to consolidate its strength. The handles for transport, which are part of the structure itself, are placed along the entire perimeter. The grommets for the fixing of the spring catches of the harnessing are in stainless steel. Inside the shell there is a removable mattress, applied with hook and loop fastener®, made in closed-cell EPDM, which makes it impermeable to both blood and water. The use of high-density polyethylene for this shell guarantees not only that it is shatterproof but also an exceptional sanitization. The Spencer Shell can contain a spine board.

Safety Technology

The use of high density polyethylene moulded with this technology, gives a consistency to the thickness that is much higher than that achieved with other forms of moulding; the

advantages are evident in the corners, curves and on the base, exactly where the other bodies prove to be more fragile. The body is resistant to damage and corrosion and has been joined to an aluminium framework to guarantee a demanding use and safe transportability in helicopters.

The moulding technology used for this shell offers consistency and uniformity of thickness, the resistance to damage and corrosion much higher than that attained with other forms of moulding, especially in the areas where the other systems are more usually more fragile and delicate (corners, tapering). Thanks to a modification of the structure material the lifetime of the Spencer basket stretcher shell has been doubled from 5 to 10 years.

Lifting bridle systems

Adjustable lifting bridle used for horizontal and vertical lifting situations. Constructed from durable woven nylon with sound steel attachment hardware and brass locking mechanisms.

Including

- nylon rope along entire perimeter
- three 50 mm nylon belts with quick-release buckles
- water resistant, closed-cell mattress
- footrest in pre-formed polyethylene with position regulator
- optional hoist strap

TECHNICAL SPECIFICATIONS

Dimensions	217 x 62 x 18.5 cm
Width	62 cm
Height	18,5 cm
Weight	13.5 kgs
Load capacity	278 kgs

Stretcher Spencer Shell Basket

ORDER INFORMATION

Description	Unit Sales	Articlenr
Stretcher Spencer Shell Basket	1	SG04711
Lifting Spin Stretcher Spencer Shell Basket	1	SG04701
Storage bag for Basket Stretcher	1	SG04713

Ferno KED stretcher

The Ferno K.E.D.® is a versatile, improved means of immobilizing and extricating patients from auto accidents or tight spaces.



Ferno KED Stretcher
Easy application

The wrap-around design provides horizontal flexibility for easy application and vertical rigidity for maximum support of the spine, neck, and head during extrication. The K.E.D.® immobilizes the torso, head and neck, enabling prompt extrication while minimizing risks of further injury. X-rays or advanced life support procedures can be performed with the K.E.D.® in place.

Features

- wraparound design provides horizontal flexibility for easy application and vertical rigidity for maximum support of the spine, neck, and head during extrication
- built-in handles enable rescuers to get a firm grip on the patient and K.E.D.® as one unit

- adapts to a hip and pelvic splint by simple inversion
- adjustable, fold-back sides permit easy access to patient's chest
- can be used for multiple patient sizes, including children and pregnant women
- color-coded, sewn-in securing straps and snaplock buckles for quick, easy application
- effective in immobilization of pediatric patients
- ideal for immobilizing and extricating patients from auto accidents or confined spaces
- does not interfere with the application of anti-shock trousers

TECHNICAL SPECIFICATIONS

Dimensions	83 x 80 x 14 cm
Weight	3 kgs
Load capacity	227 kg

ORDER INFORMATION

Description	Unit Sales	Article nr
Ferno KED stretcher	1	P912WG096

Neil Robertson Stretcher

The Neil Robertson Stretcher & Carry Bag is constructed from strong spliced slats and tough cotton. It ensures the patient is secure and stable before and during lifting.



Neil Robertson Stretcher
A well proven rescue stretcher

Features

A well proven rescue stretcher, the Neil Robertson provides comfort and security to the casualty whilst enhancing the rescue effort. Designed for use in instances where the casualty needs to be lowered or lifted to safety, this stretcher is widely used by the Royal Navy, Merchany Navy, Mining, Industry and Emergency Rescue Services.

Specially designed features include

- constructed from spliced, ramin slats with a tough rot proof cotton exterior

- strong and supportive head restraints offer stability to the head when vertical lifting is necessary
- features cotton straps with a traditional buckle and regularly spaced eyelets which assist in holding the casualty safely in place
- support ropes manufactured from durable manilla enhance rescuer confidence and offers a high degree of resistance to chafing
- an optional carrying bag is available for convenient storage of the stretcher when not in use

TECHNICAL SPECIFICATIONS

Dimensions	1500 x 1000 x 40 mm
Dimensions folded	1500 x 310 x 180 mm
Weight	9.8 kgs
Load capacity	136 kg

ORDER INFORMATION

Description	Unit Sales	Articlenr
Neil Robertson Stretcher	1	SG04731

Paramedics Rescue PAC Stretcher

Advanced rescue stretcher for use in difficult access areas, for example rescue operations in water, in mountains, collapsed buildings and earthquakes. The patient is safely secured in a way that makes it possible to lift the stretcher horizontally or vertically.



Paramedics Rescue PAC Stretcher
For use in difficult areas

Features

The Paramedics Rescue Pac is made of strong PVC coated fabric with fibre glass reinforced bottom plate stability. Straps of polyester to secure and lift the patient. Aluminium rods along the sides for horizontal lifting. To safely secure the patient, the stretcher is equipped with a sectionalised head guard with adjustable headband, adjustable feet rest with built-in protection and straps for securing arms and legs.

Comes with a bag.

Use

Lifting: the stretcher can be lifted horizontally, vertically or in "suit case mode". Horizontal lifting is made with attached shoulder straps.

X-ray: the Paramedics Rescue Pac allows x-ray examination without removing the patient.

Materials

- fabric: PVC coated polyester fabric
- bottom plate: fibre glass reinforced polyester
- rods: aluminium
- straps: polyester

TECHNICAL SPECIFICATIONS

Lenght minimum	190 cm
Lenght maximum	205 cm
Width	55 cm
Length packed	90 cm
Height packed	20 cm
Weight	16 kgs
Colors	Bright yellow and orange
Approvals	CE-marked according to the European directive for Medical device 93/42/EEC and registered by the Swedisch Medical Products Agency

ORDER INFORMATION

Description	Unit Sales	Articlenr
Paramedics Rescue PAC	1	SG04732

Stretcher Blanket

Blanket to cover victims in case of an accident.

Simple blanket to be used on stretcher.



Stretcher Blanket
To cover victims

TECHNICAL SPECIFICATIONS

Material	Cotton/polyester fabric
Delivery	Sealed in PE bag
Size	1300 x 2100 mm

ORDER INFORMATION

Description	Unit Sales	Articlenr
Stretcher Blanket, 210 x 130 cm	1	SG04741

Basket Stretcher Storage Bag

With the STX 40/10, Spencer offers a professional solution for practical, easy and robust stocking and protection systems for basket stretchers.



Basket Stretcher Storage Bag
Protection systems

General information

The bags are made out of Spentex® and equipped with useful pockets for various accessories required as supports of rescue activities. A reflecting strip and a logo on the

front will help you identifying the stretcher also in situations with limited visibility. The bags are supplied with comfortable hand grips and some models can be used as a backpack. Reinforced rings for secure wall fixation.

ORDER INFORMATION

Description	Unit Sales	Articlenr
Storage bag for Basket Stretcher	1	SG04713

Adjustable wrench

Wrench Swedish made by BAHCO tools B.V., adjustable to 12 thumbs. Combination of pipe grip facility, one side serrated, may be used as a pipe wrench. Left-reading, measurement scale in mm.



Adjustable wrench
May be used as a pipe wrench

TECHNICAL SPECIFICATIONS

Material	Phosphated. Precision-hardened and anti-corrosion treated
Dimensions	length: 305mm; thickness:18mm
Maximum opening	34 mm
Weight	665 gr
Color	Black
Approval	DIN 3117

ORDER INFORMATION

Description	Unit Sales	Articlenr
Adjustable wrench	1	SG03842

Large Aircraft Axe

Big fire axe for use in combination with the helicopter crash kit.
Extremely durable and rigid.



Features

- large aircraft axe with a protective shield below non-wedging pattern head

- head and sleeve of axe manufactured from steel with wooden handle
- an optional cover is available for the head

Large Aircraft Axe
Ideal for offshore helideck rescue equipment

TECHNICAL SPECIFICATIONS

Overall length axe	74 cm
Weight	2.6 kgs

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fireman axe: Aircraft Large, Non-Wedging	1	SG03807

Bolt cutter

Very robust and strong, made by using a special process with mangan-vanadium steel which contains high carbon levels. Induction hardened out of Rockwell HRC 55-60. Knives are parallel adjustable. Gummy hand grips.



Bolt cutter
Very robust and strong

TECHNICAL SPECIFICATIONS

Material	Mangan-vanadium steel
Dimensions	450 x 1050 mm
Weight	1700 - 8600 gr
Color	Red
Approval	DIN

ORDER INFORMATION

Description	Unit Sales	Articlenr
Bolt cutter	1	SG03856

Crow bar

Crow bar made of hardened steel, very robust.



Crow bar
Very robust

TECHNICAL SPECIFICATIONS

Material	Steel
Size	90 cm
Color	Black

ORDER INFORMATION

Description	Unit Sales	Article nr
Crow bar	1	SG03849

Grab hook

Long grab hook which makes it suitable for most rescue situations. Can be stored in two pieces which means it does not take in a lot of space when not in use.



Grab hook
Ideal for offshore helideck rescue equipment

TECHNICAL SPECIFICATIONS

Material	Wooden shaft; brass connection and steel tip
Length	415 cm

ORDER INFORMATION

Description	Unit Sales	Articlenr
Grab hook	1	SG04907

BAHCO hack saw

Durable hacksaw supplied with 3 spare blades. An easy-to-handle compass saw. The interchangeable blade can be positioned at eight different angles by turning the screw in the handle. The 321 is supplied with a SANDFLEX® Bi-metal blade, 24 TPI.



BAHCO hack saw
Easy-to-handle

TECHNICAL SPECIFICATIONS

Material	Metal
Color	Orange
Weight	330 gr
Approval	DIN

ORDER INFORMATION

Description	Unit Sales	Articlenr
BAHCO hack saw	1	SG03857

Fire Blanket

A fire blanket is designed to smother a fire by cutting off its oxygen supply. The fire blanket is placed in a plastic wall container.



Features

- a fire blanket is a safety device designed to extinguish small starting fires

- it consists of a sheet of fire retardant material which is placed over a fire in order to smother it
- fire blankets are folded in to a quick-release container for ease of storage

Fire Blanket (normal)
To extinguish small fire

TECHNICAL SPECIFICATIONS

Material	Composition E glass Yarn: Warp: EC9 68 Ex Yarn: Werft: EC9 68 Ex Finish: 2 side white silicone coating 2 x 35 gm/m2
Blanket sizes	1200 x 1200 mm: container size: 210 x 165 x 40 mm 1200 x 1800 mm: container size: 280 x 165 x 40 mm 1800 x 1800 mm: container size: 460 x 165 x 40 mm
Color	Container: Red Blanket: White
Approvals	Kitemark: BS EN 1869 / BS EN ISO 9002

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire blanket, 120 x 180 cm	1	SG00483

Ladder

This ladder can be used as a lean-to or stepladder, as a workbench or as a lean-to ladder with support. When folded, it can be stowed in almost any vehicle. It is adjusted by six automatic steel hinges. The ladder steps are equipped with rubber shoes. The ladder is GS-tested and complies with EN 131.



Ladder

To be used as lean-to or stepladder

TECHNICAL SPECIFICATIONS

Steps	4x3
Length	350 cm
Working height	430 cm
Stepladder height	170 cm
Workbench height	94 cm
Packing dimensions	855 x 970 x 260 mm
Carrying weight	150 kg
Weight	12.5 kg

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire blanket, 100 x 100 cm	1	SG03854

Fire Proof Lifeline

Lifelines for firefighters outfit are intended of being attached by means of a snap-hook to the harness of a firefighter. Especially suited for marine fire fighters, MED approved.



Fire proof life line
MED approved

Features

The lifeline has a carabiner hook with a screw cap hook on one side. For the end connection the polyester cover is removed at the end of

the wire rope. The end connection is with a thimble end the wire rope is pressed with a ferrule. A shrink hose is covering the ferrule.

TECHNICAL SPECIFICATIONS

Material	- Galvanized steel wire rope 6X19+PP core 5 mm according to specification 619N5 in tensile strength of 1770 N/mm2 - woven cover sheet of Polyester yarns made out of Trevira CS of thickness approximately 1,5 mm - Carabiner hook in acc. to DIN 5299 Form C 100 x 10 mm WLL 350 kg
Length line	30 meters
Approvals	MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire Proof Life Line with hook, 30 meter, MED approved	1	SG03823

BAHCO pliers

Side cutting plier with progressive edges designed to cut hard material such as piano wire close to the joint and to cut softer material as copper wire and plastic insulated wire at the tip.



BAHCO pliers

Designed to cut hard materials

TECHNICAL SPECIFICATIONS

Material	Chrome-Vanadium steel. PVC coated handles without return spring
Finish	Black oxidised, anti-corrosion treated
Color	Red/black

ORDER INFORMATION

Description	Unit Sales	Articlenr
BAHCO pliers	1	SG03858

Screwdriver set

Set of screw drivers for all kinds of maintenance or rescue operations, specially fitted with ergonomic handles for supreme grip and comfort.



Screwdriver set
Supreme grip and comfort

TECHNICAL SPECIFICATIONS

Material	Rubber grip, steel shaft with hardened tip
Finish	Anti-corrosion treated
Color	Red/black
Approvals	DIN

ORDER INFORMATION

Description	Unit Sales	Articlenr
Screwdriver set	1	SG03859

Rescue knife

Patented rescue knife from the USA for fire brigade, police and rescue services. Extremely sturdy metal structure.

Two replaceable blades are securely anchored in the "V". The rounded edges prevent injuries to the rescue victim. The heavy head can even smash thick panes of glass. The shape of the handle prevents the device from falling out of your hand.

The special DZUS connection makes it possible to open aircraft and vehicle doors.



Rescue knife

For fast rescue

TECHNICAL SPECIFICATIONS

Weight	460 gr
Length	240 mm

ORDER INFORMATION

Description	Unit Sales	Articlenr
Rescue knife	1	SG03802

Power Cutting Tool Lukas

Combination tool with integrated hand pump cuts and spreads. Highly portable for rescue operations in areas difficult to access. Rotatable tool head can be adjusted in any desired angle for 360 degrees.



Power Cutting tool Lukas

Combination tool with integrated hand pump cuts and spreads

Applications

- rescue operations
- disaster management
- rescue operations on top of ladder or in wilderness areas
- moving and lifting of obstacles
- opening doors and deforming metal structures
- cutting of metal constructions, vehicle parts, pipes, sheet metal etc

Features

- no external power source is required
- lightweight and highly portable
- cutting and spreading with one tool
- easy to operate, automatic change over from low pressure to high pressure
- for use in areas with explosive risks
- intrinsically safe

TECHNICAL SPECIFICATIONS

Cutting force up to	45,800 lbs / 204 kN
Round steel up to dia	22 mm
Blade opening	182 mm
Spreading force up to	136 kN
Spreading distance	259 mm
Dimensions	833 x 170 x 150 mm
Weight	10.9 kgs

ORDER INFORMATION

Description	Unit Sales	Articlenr
Power Cutting tool Lukas LKS 31	1	SG03811

GRP storage cabinet: DMO-55

Dräger Marine & Offshore cabinets are designed for tough offshore conditions. Manufactured from durable GRP material, these cabinets are rated to IPX6 as certified by TÜV. All cabinets are manufactured with stainless steel locks and hinges. The cabinets can be configured to suit different storage requirements.



Room to store

- Helideck crash equipment (excl. ladder/rescue hook)
- Fall protection equipment / descent units (donut type)

Options

- Ventilation
- Flame retardant version
- Heaters (conventional / ATEX approved)
- Lettering

GRP storage cabinet: DMO-55

IPX6 rated and TÜV certified

TECHNICAL SPECIFICATIONS

Dimensions	1024 x 500 x 600 mm (LxWxH)
Aperture dimensions	910 x 359 x 560 mm (LxWxH)
Angle of door opening	90°
Weight	20 kgs
Material	GRP
Colour	Safety Green RAL 6002 Firefighting Red RAL 3000 Safety Orange RAL 2009 Lifesaving White RAL 9010
IP rating	IPX6
Door catch	Nylon
Door handle	SS 316
Hinges	SS 316
Seal	EPDM
Reinforcement	Core material
Lettering	White
Approvals	CE / TÜV

ORDER INFORMATION

Description	Unit Sales	Article nr
GRP storage cabinet: DMO-55 Hinged Lid	1	SG02110
Add. Costs DMO-55: Fire retardant	1	SG02111

Dräger Firemans Gloves

Best quality leather for the best protection.



Dräger fireman's gloves

Great protection for hands

General

These gloves are completely sewn with Kevlar. Between all seams, a leather tubing, which protects the Kevlar, can be seen. This extends the lifespan of the glove. The palm features an extra strong leather inside.

A piece of leather is sewn on the cuff as an additional radial artery protection. The glove is equipped with elastic so the glove will fit perfectly.

The Porelle breathable membrane ensures the user a breathability and protects the user against water and chemicals.

The knitted Kevlar lining provides high wearing comfort. The Kevlar elastic cuff fits well around the wrist and provides great protection for the user.

Features

- Material: Cowskin and fire resistant grain leather
- Membrane: Porelle breathable liner
- Liner: Knitted Kevlar (para Aramide fibre)
- Cuff: Knitted Kevlar with Spandex for elastic facility
- Stitching: Kevlar yarn
- Standard sizes: 7/S – 8/M – 9/L-10/XL-11/2XL

Porelle liner

- Keeps you dry and comfortable
- Innovative functional technology
- High moisture diffusion and drying ability
- Fire retardant and high capacity breathability
- Keeps your body temperature in balance

TECHNICAL SPECIFICATIONS

Color	Yellow
Fabric	Leather palm and backhand Knitted wrist Kevlar inner lining
Approvals	EN 659, EN 420, EN 388, EN 407 and MED approved

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Firemans Gloves, size S, MED approval	1	SG03741
Dräger Firemans Gloves, size M, MED approval	1	SG03742
Dräger Firemans Gloves, size L, MED approval	1	SG03743
Dräger Firemans Gloves, size XL, MED approval	1	SG03744
Dräger Firemans Gloves, size XXL, MED approval	1	SG03745

Dräger Nomex Fireman's Suit

Dräger would like to present its new line of firefighting clothes designed to the highest standards with one thing in mind: the firefighter. The new suit is the result of a close study of technical key features and usability of suits that are currently available in the market: the suit has been improved on eight key features as compared to the most readily available suits. Providing a safe barrier "between human will and fire's forces".



Dräger Nomex Fireman's Suit

A lightweight, durable and highly comfortable suit

Radiation heat barrier

A Kermel fleece that provides excellent thermal protection, these very thin layers found inside the layer concept, minimise the amount of water that can replace the critical insulation air space in the garment.

Membrane

A Hi-Tech polyurethane membrane coated on the outer radiation heat barrier. Ensures exceptional breathable characteristics and unmatched durability. Up to a temperature of 380°C, this membrane gives a good protection against heat and chemicals and will not melt.

Liner

A combination of Nomex and Viscose. The Nomex thread of this special weave method with the 2,5% Kevlar makes the liner strong. The fire retardant Viscose thread provides comfort and transports moisture to the outside of the liner. The multi-layer configuration ensures that each layer accomplishes its part of the job.

Air layers and thermal barriers

The protective value of the "ESS® 5 layer system" in combination with the fabric composite is found in the air between the fire fighter and the heat source. Air itself is the greatest single source of insulation qualities in protective clothing. Sandwiching stitching inside the facing cloth is therefore never used. All the layers are not stitched to each other; this improves the thermal insulation value (TPP) by protecting the moisture barrier and creating multiple air spaces between the very thin layers.

Comfort

The used layer system creates a lightweight, durable and highly comfortable garment without compromises to the suits protective features.

Quick Release Breakaway Zippers

Specially designed for military, firefighter and chemical suits. Ideal for situations where it's desirable to tear the zipper open without having to move the zipper all the way back.

Anti Aqua

High-Tech coated polyester fabric in sleeves, trouser legs, storm flap, back piece and pocket flaps. Prevents water and chemicals to easily enter the lining of the suit.

Eyelets

To quickly drain fluids from the suits pockets.

External padding

The suit features external protective pads on the knees and the elbows. Most other suits have their padding installed on the inside of the pants and do not use padding for elbows. Using padding for both elbows and knees increases user comfort. In addition using padding on the outside helps to protect the suit from damages on its most fragile parts.

Rounded pocket flaps

By using rounded pocket flaps the chances of being caught behind protruding parts when in action are reduced. In addition the rounding of the corners reduces wear and tear on the fabric in everyday use.

TECHNICAL SPECIFICATIONS

Type of material	NOMEX® III, 220 g/m ²
Inner material	Jacket and trouser: NOMEX, 93% Meta-Aramid, 5% Para-Aramid, 2% Static Control Stitching: NOMEX Liner: NOMEX fleece (heat barrier), NOMEX fleece with Hi-Tech PU breathable membrane, NOMEX viscose FR lining

Dräger Nomex Fireman's Suit

Pockets	Jacket: Two side pockets with flaps, one inside pocket and one radio pocket on each chest Trousers: 2 box pockets on thighs. Inverse pocket in both sides
Color	Orange with reflective striping
Sizes	S - XXL
Approvals	EN469:2005, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Nomex Fireman's Suit, size S	1	SG03701
Dräger Nomex Fireman's Suit, size M	1	SG03702
Dräger Nomex Fireman's Suit, size L	1	SG03703
Dräger Nomex Fireman's Suit, size XL	1	SG03704
Dräger Nomex Fireman's Suit, size XXL	1	23110074

Fireman's SA Boots

Boots for emergency situation and fire with toxic chemicals emission.



Features

- safety toe cap
- anti-perforation mid-sole
- resistance to heat flow, heat contact, fire
- resistance to chemicals: fuels, oils, weak and diluted acids, solvents
- resistance to abrasion and cuts
- used with chemical protective suits (satisfy permeation tests according to EN 943-2)

Fireman's SA Boots

Meets the heat and flame resistance requirements

TECHNICAL SPECIFICATIONS

Color	Black
Sizes	36-50
Type of construction	Elastomer: fireproofed NBR (fireproofed nitrile rubber)
Steel midsole	Composite anti-perforation mid-sole
Toe	Polymer toe cap (steel toe for sizes 36, 37, 38)
Weight	1900g / pair (size 42)
Height	370mm (size 42)
Approvals	EN 943-2 EN 15090 type 3 HI3 EN ISO 20345 S5 HRO SRC EN 13832-3 J P Q EN 13287 Marine fire protection equipment certified by SEE-BG, notified body N°0736 MED approved

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fireman's Boots, size 36	1	SG03746
Fireman's Boots, size 37/38	1	SG03747
Fireman's Boots, size 39	1	SG03749
Fireman's Boots, size 40/41	1	SG03751
Fireman's Boots, size 42	1	SG03752
Fireman's Boots, size 43	1	SG03753
Fireman's Boots, size 44	1	SG03754
Fireman's Boots, size 45	1	SG03755
Fireman's Boots, size 46/47	1	SG03756
Fireman's Boots, size 48	1	23112026

Dräger HPS 7000 Fireman's Helmet

The Dräger HPS 7000 firefighter's helmet is in a class of its own thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multi-functional system solution. It provides you optimum protection during every operation.



Dräger HPS 7000 fireman's helmet
Tailor-made fit for every head

Tailor-made fit for every head

Two helmet shells for head sizes from 50 to 66 cm cover a wide range of individual head and face shapes. With a weight of approx. 1,380 g as basic version, it is one of the lightest helmets in its class. In addition to its comfortable interior fitting made of skin-friendly, anti-allergic and flexible materials, the Dräger HPS 7000 stands out with its high level of operating and wearing comfort.

Comfort is a matter of position

The padded 4-point harness allows for safe and easy adjustment to any head shape. The optimum balance of the helmet can be adjusted individually in the neck and chin area. The padding made of Nomex also ensures a comfortable fit. The integrated comfort hairnet enables the height to be adjusted and assures a good climate inside the helmet. During operation, the head size can be adjusted quickly via an easy-to-operate size adjustment wheel with safety mechanism on the outer shell, even with wet and thick gloves.

Design at its strongest

The ergonomic helmet design evenly distributes the weight to the head and relieves the neck muscles. The large and modern facial protection visor offers unrestricted protection with best visibility. For operations under chemical protective suits, the visor can be fixed permanently. A safe alternative is provided by the integrated and individually adjustable protective goggles with integrated softpad edge protection. Both visors leave enough space for the simultaneous use of corrective glasses or respiratory masks.

Innovative system design

As a provider of integrated system solutions, Dräger sets new standards for the interaction of its products. The universally and individually adjustable mask connection system of the Dräger HPS 7000 creates a strong and safe helmet-mask combination. The full-face mask FPS 7000, the integrated mask communication unit FPS 7000 COM-PLUS and the SCBA of the PSS series allow you to optimally configure the overall system. The light-weight LED helmet lamp is integrated

into the helmet shell and illuminates the whole working area. It is located in the centre of the front plate and has an effective glare 2012shield as well as intelligent battery management system. The interior fitting can be equipped with various audio/speech headsets for different radios. This ensures reliable communication even in loud environments.

Highest safety - the material mix makes the difference

Despite its low weight, the Dräger HPS 7000 is one of the safest full-shell helmets in its class. Its outer shell of composite material in combination with the PUR inner shell provides reliable protection against thermal and mechanical influences. The plastic reinforced with glass fibre and aramide webbing resists extreme temperatures. It is even able to withstand the enormous radiation heat and flame engulfment of a flash over. The visors of high temperature resistant polyether sulphone reliably protect your eyes and face against high heat, particles and liquid chemicals.

Nothing left to be desired

A comprehensive accessory program completes the Dräger package. Reflective strips improve your visibility under unfavourable conditions and allow for individual marking, matched to your clothing, the various neck protection versions reliably keep your back free. Separate helmet lamps are attached with a lamp adapter on the right or left helmet side. A Nomex coating protects your helmet in any training situation and extends its service life. Helmet bags and cases provide safe storage and transport.

Ready again in no time at all

The Dräger HPS 7000 is easy and efficient to service due to the minimum number of components. The entire interior fitting can be removed and re-installed in just a few steps. You can replace individual components easily and quickly, using standard tools. All helmet components are cleaned and disinfected manually or in industrial washing machine.

Dräger HPS 7000 Fireman's Helmet

TECHNICAL SPECIFICATIONS

Size	H1: for head size 52 to 60 and optional for 50/51 (when using a separate padding strip), H2: for head size 56 to 64/66, continuously adjustable via adjustment wheel (available 2014)
Weight	Approx. 1,380 g (±5%)
Color	Luminescent, pure white, red, signal blue, zinc yellow, black, bright yellow, other colors on request
Mask connection (only PRO version)	Option to attach any adapter mask, e.g. Dräger FPS 7000, 4 positions adjustable
Interior fitting	Flame-resistant and washable 4-point harness made of Nomex, sweat band of eco leather, head support ring with wheel adjustment system (patent pending), integrated comfort hairnet, fixing lever for facial protection visor and communication adapter
Material, outer shell	composite consisting of glass fibre reinforced plastic (PA-GF) and additionally reinforced with aramide webbing, high temperature resistant
Facial protection visor	2.5 mm polyether sulphone, anti-scratch coated (optional), approved acc. to EN 14458:2004 (±40 °C, T, N, K, AT, R, E3) clear or gold-coated version
Protective goggles (only for PRO version)	2.5 mm polyether sulphone with softpad edge protection, anti-scratch coated (optional), approved acc. to EN 14458:2004 (±40 °C, T, N, K, AT, R, E3), clear or tinted version, 2 positions adjustable
Approvals	EN 443:2008 (type B 3b, C, E2, E3, -40 °C), mask-helmet combination acc. to DIN 58610

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger HPS 7000, luminescent	1	R79170
Dräger HPS 7000, white	1	R79171
Dräger HPS 7000, PRO luminescent/matt black	1	R79250
Dräger HPS 7000, PRO white/matt black	1	R79251
Dräger HPS 7000 - neck protection Nomex / Aluminium	1	R79145
Dräger HPS 7000 - neck protection Nomex / short	1	R79146
Dräger HPS 7000 - neck protection Nomex, neck curtain, three-layer	1	R79147
Dräger HPS 7000 - helmet lamp, LED, integrated	1	R79013
For Dräger HPS 7000 and HPS 7000 PRO, to attach the integrated LED helmet lamp, order separately: E-kit front plate for Dräger HPS 7000 helmet lamp	1	R79226
Lamp holder Dräger HPS 7000 (for helmet lamps Dräger PX1)	1	R79129
Helmet lamp Dräger PX 1 LED	1	R62350
Helmet lamp Dräger PX 1 XENON	1	R57816

Dräger X-plore® 1300

The Dräger X-plore® 1300 combines proven and reliable respiratory protection with intelligent new ideas ensuring a high level of comfort and ease of use.



Dräger X-plore® 1300
Respiratory protection

Efficient particle protection

Dräger X-plore 1300 is the new generation of pre-formed particle filtering face pieces for effective protection against fine dust as well as solid and liquid particles. For use in applications where exposure to dust is unavoidable the X-plore 1300 is available in all three EN protection classes FFP1, FFP2 and FFP3. Odour stopping versions equipped with an activated carbon layer are ideal for users that battle with unpleasant nuisance odours.

CoolSAFE™ filter material

The specially developed CoolSAFE™ filter material combines various high-performance filter media to achieve an excellent filter performance. Coarse and fine particles are effectively stopped in the various filter layers. At the same time, the breathing resistance remains very low, allowing the user to work easily and without tiring for longer periods. In addition, the face pieces were subjected to the increased requirements of the (optional) dolomite dust test. Their resistance to clogging under high exposure to dust was successfully tested. During activities with high exposure to dust (e.g. mining), this gives the face pieces a longer service life and reduces costs for the user, while maintaining a high degree of wearing comfort.

VarioFLEX™ head harness with EasyStop

Easy to don/doff and adjust with a pressure-free fit. The continuous-looped tear-proof textile strap eliminates the need for clips – preventing uncomfortable pressure and allergic reactions. EasyStop allows the wearer to individually adjust the harness as required, while ensuring ease of use and a secure, comfortable seal. Experience ultimate comfort with the extra-wide slip-proof harness of the Dräger X-plore 1300.

CoolMAX™ exhalation valve (optional)

Small details, big effect: Breathe easy and comfortably, thanks to the extremely low breathing resistance. The valve directs humid and warm exhaled air away from the user and out of the mask – preventing heat build-up and keeping them cool.

A secure seal

Alongside the filter performance, a secure seal, without leakage, is decisive in how effective the masks' protection really is. The X-plore 1300 is the ideal combination of an ergonomic mask body combined with an integrated nose seal and nose clip. This gives the wearer a tailor-made fit and a secure seal. Additionally, the good seal keeps safety glasses from fogging.

Colour coding for fast recognition of the protection class

Fast recognition without confusion: the colour coded nose clip and valve classify the three EN protection levels dark-blue (FFP1), light-blue (FFP2) and white (FFP3). Providing easy recognition when selecting the right mask.

Special features of X-plore 1330

- Practical and comfortable: The VarioFLEX™ head harness with a four-point adjustment and extra-wide textile straps ensures the best possible fit.
- Quick and easy to use: The straps are arranged for fast donning. An integrated safeguard prevents straps from slipping out of place.
- Secure and comfortable: Integrated, all-around comfort sealing.
- Clean and hygienic: Each face piece is individually packaged in its own plastic bag.
- Individually adjustable: Available in two different sizes S/M and M/L – the right size for different face shapes.

TECHNICAL SPECIFICATIONS

Filter material	CoolSAFE™ for protection against solid and liquid non-volatile particles
Odour versions	With additional activated carbon layer against nuisance organic odours below the limit value
Marking D	Successfully passed the dolomite dust test against clogging

Dräger X-plore® 1300

Marking NR	The mask can only be used for a maximum of one work shift
Approvals	All versions meet the conditions of the EU guideline 89/686/EEG and are permitted as particle filtering half masks in accordance to the increased requirements of the revision of EN 149:2001+A1:2009 (test of filter performance for aerosol exposure with 120 mg paraffin oil). Australian Standard AS/NZS 1716:2003 certified (SAI Global)

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger X-plore 1310 FFP1 NR D	1	3951211

Fire fighter hood

Nomex hood for fire fighters.



Features
Elastic inside at face opening.

Nomex hood
For firefighters

TECHNICAL SPECIFICATIONS

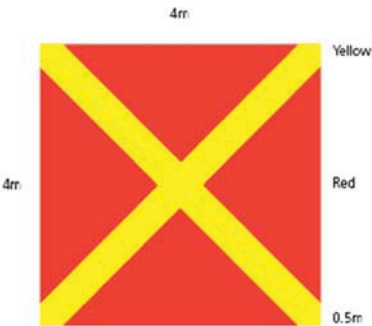
Color	Grey
Size	One size
Material	Nomex/Viscose knit, 50/50, 235 g/m ²
Approvals	EN 13911

ORDER INFORMATION

Description	Unit Sales	Articlenr
Flash hood: Nomex III	1	SG03881

Helideck Closed Marker

Marker for the helideck in offshore quality.



Helideck Closed Marker
Marker 4 x 4 mtr

TECHNICAL SPECIFICATIONS

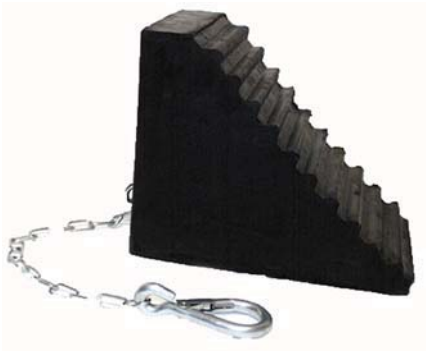
Material	PVC 630g/m2
Dimensions	4x4 m , stripe width: 0.5m
Fixation	Every 0,5m a brass fixation eye

ORDER INFORMATION

Description	Unit Sales	Articlenr
Helideck Closed Marker, 4 x 4 mtr	1	SG04902

Helideck Wheel Block

Wheel block for use on the helideck.



Wheel blocks for helicopter

TECHNICAL SPECIFICATIONS

Material	Rubber
Dimensions	Appr.: 230 x 210 x 160 mm (HxDxW)
Weight	4.8 kgs
Other	Galvanized chains for fixation

ORDER INFORMATION

Description	Unit Sales	Articlenr
Wheel block for helicopter, including chain	1	SG04901

Helideck Ty down Straps

Straps for the securing of a helicopter on the helicopter-deck.



Ty down strap for helicopter

Features

- LOAD-LOK® 50 mm high strength polyester webbing lashing systems for heavy general loads

- easy – quick – secure lashing for flats, tilts, containers, rail wagons
- suitable for road/rail/ sea/air
- can be supplied with various end fittings suitable for the majority of lashing points and produced at a length 'made to measure'

TECHNICAL SPECIFICATIONS

Material	Polyester
Webbing width	50 mm
Lashing capacity	2.000 kgs
Breaking strength	5.000 kgs
Approval	EN 12195-2

ORDER INFORMATION

Description	Unit Sales	Article nr
Helideck Ty down Straps	1	SG03860

Helideck Landing Officer vest

Helideck Landing Officer Nomex III Vest.



Features

- conform to EN-471
- two hook and loop fasteners
- with HLO reflections

Landing officer vest
Nomex III

ORDER INFORMATION

Description	Unit Sales	Articlenr
Helideck Landing Officer Vest, size XL, HLO text on chest and back	1	SG03867
Helideck Landing Officer Vest, size XXL, HLO text on chest and back	1	SG03868
HDA Vest Nomex, size XL, HDA text on chest and back	1	SG03871
Helideck Landing Officer Jacket, Nomex, orange with striping, size L	1	SG03862
Helideck Landing Officer Jacket, Nomex, orange with striping, size XL	1	SG03863