

COMMERCIAL MARINE SAFETY SOLUTIONS





Safety and Survival Systems International (3Si) and its group companies are trusted providers in the global marine safety market, grounded in over 200 years of experience. Together we are dedicated to ensuring the safety and survival of our customers and have a large portfolio of marine safety products and services to support the commercial shipping industry.

We stand shoulder to shoulder with our customers creating bespoke safety systems, by expertly selecting products from across the group.



Specialists in the worldwide supply, distribution, service and manufacture of marine safety equipment.



Over 70 years of technical excellence in drysuit design and manufacturing.



One of the **world's leading** lifejacket manufacturers.



A **dedicated offshore division** ensuring safety and survival in a challenging environment.



Specialists in the supply and service of premium survival equipment.

An aerial photograph of an offshore supply vessel. The deck is dark brown with yellow safety lines. A green helicopter landing pad with a yellow 'H' is visible in the lower foreground. Several crew members in orange safety gear are on the deck. The vessel has a white superstructure with green railings. The ship is moving through dark blue water, leaving a white wake.

NEVER COMPROMISE ON QUALITY OR SAFETY.

“EVERYDAY PEOPLE USE OUR PRODUCTS AND THEY NEED TO COUNT ON THEM IN AN EMERGENCY. THERE ARE **NO SECOND CHANCES**. WEEK IN, WEEK OUT, SOMEWHERE IN THE WORLD, OUR PRODUCTS AND SERVICES **PROTECT SOMEONE’S LIFE**”.

NO MATTER WHERE YOU ARE IN THE WORLD,
YOUR **SUPPLY** & **SERVICING** NEEDS WILL
BE COVERED.

CONTENTS

LIFERAFTS, WORKBOATS & EVACUATION SYSTEMS

Liferafts	10 - 19
Release systems	20 - 21
Rescue boats	22
Liferaft accessories	22
Evacuation systems	23

LIFEJACKETS

Bespoke lifejackets	24 - 25
SOLAS/ workwear lifejackets	28 - 33
Passenger and foam lifejackets	34
Gas cylinders and lifejacket spares	35
Lifejacket lights	36 - 37

SURVIVAL SUITS

Typhoon survival suit	38 - 41
Intrepid	42
Mullion	44 - 45

ELECTRONICS

EPIRBs/ SART/ PLB/ AIS & AIS Alarm	46 - 49
VHF handheld radios and marine transceivers	50 - 51

OVERBOARD RECOVERY

Rescue scoops/ baskets/ frames/ dummy	52 - 55
Throwing strop/ rescue sling	56
Lifebuoys & lifebuoy accessories	57
Lifebuoy lights	58 - 59

FALL ARREST

Miller harnesses	60
Lanyards & accessories	61 - 63
Petzl helmet	63

FIRE SAFETY

Fire suits and personal protective equipment	64 - 66
Breathing apparatus	66
MED approved and standard fire extinguishers	67 - 68
Extinguisher accessories	68
Fire cabinets & storage	69- 70
Gas detection	70
Fire safety accessories	71

SIGNALLING & SIGNAGE

Pyrotechnics	72 - 73
Electronic hand flares	73
Torches & lights	74
Radar reflectors	75
Signage	76

MEDICAL & SAFETY ACCESSORIES

Code of practice and approved medical kits	77 - 78
Medical equipment, stretchers/ oxygen set/ manuals	78
Safety accessories	79 - 81



COMPLETE SOLAS RANGE GLOBAL SUPPORT

Our range is SOLAS and MED Ship's Wheel compliant to meet the needs of all types of commercial vessel. We are a trusted supplier to renowned companies in the shipping, commercial fishing and offshore industries.



GLOBAL SERVICE
NETWORK





OCEAN SAFETY®
OCEAN SOLAS

SERVICES AND SUPPORT



DELIVERING WORLD CLASS PRODUCTS

- A leader in the design, development and manufacture of Personal Protective Equipment (PPE) and Life Saving Appliances (LSA)
- Representing some of the World's leading brands in safety and survival
- Fully integrated safety management packages



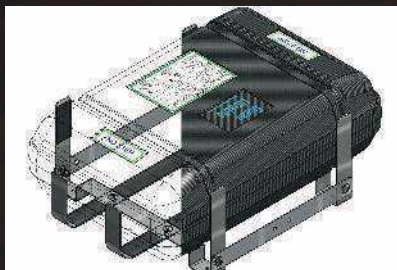
GLOBAL SERVICING

- Global independent service network who operate with a flexible approach to customer service, offering competitive solutions and product expertise in 'safety and survival'.
- Dedicated after sales support team.



DESIGN MANUFACTURE & INSTALLATION

- Design and consultancy service to Naval Architects, Designers and Project Managers
- Bespoke packages for ship installations - assuring compliance and reduction in operating costs
- Full support from initial concept, manufacture, installation and service.



HIRE SOLUTIONS

- Reducing operating costs and minimising capital expenditure are crucial in today's shipping industry. Our liferaft hire division and fully managed servicing plans are designed to find a solution to suit you.

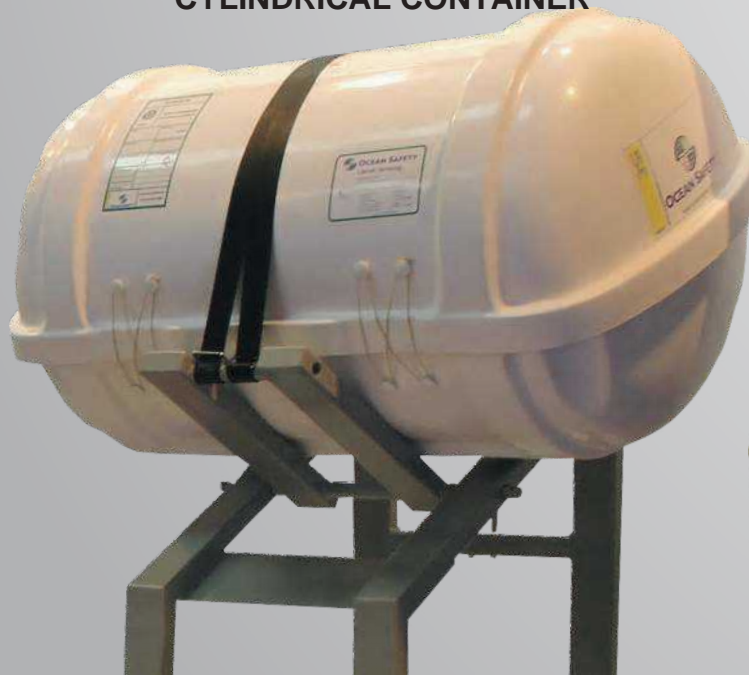


YOUR REQUIREMENTS YOUR LIFERAFT

Approval	Capacity (Person)	Launch type	Container type	Standard stowage height	Maximum stowage height	Liferaft
SOLAS MED	6, 8, 10, 12, 16	Throw-over	Compact	18m	18m	Ocean SOLAS Compact
SOLAS MED	6, 8, 10, 12, 16, 20, 25, 32	Throw-over	Cylindrical	25m	40m	Ocean SOLAS Throw-Over
SOLAS MED	12, 16, 20, 25	Davit launch	Cylindrical	25m	40m	Ocean SOLAS Davit Launch
SOLAS MED	6, 10, 15, 20, 25, 50	Throw-over	Cylindrical	25m	40m	Ocean SOLAS Self-Righting
SOLAS MED	25, 37	Davit launch	Cylindrical	25m	40m	Ocean SOLAS Self-Righting
Non SOLAS	25, 30, 50, 65, 132	Throw-over	Cylindrical	10m	10m	Ocean SOLAS Open Reversible (ORL)
Non SOLAS	25, 30, 65	Throw-over	Flat	10m	18m	Ocean SOLAS Open Reversible (ORL)
USCG	4, 6, 8	Throw-over	Flat	18m	18m	Revere USCG Liferaft
USCG	6, 8, 10, 12, 16, 20, 25	Throw-over	Cylindrical	18m	18m	Revere USCG Liferaft
USCG	12, 16, 20, 25	Davit launch	Cylindrical	18m	18m	Revere USCG Liferaft
USCG	4, 6, 8, 10	Throw-over	Flat	18m	18m*	Revere Inflatable Buoyant Apparatus (IBA)
USCG	25, 50	Throw-over	Cylindrical	18m	18m	Revere Inflatable Buoyant Apparatus (IBA)

*6m max. stowage height for 4man IBA

CYLINDRICAL CONTAINER



COMPACT CONTAINER 40% SPACE SAVING



SAFETY EQUIPMENT EXPLAINED

It is important to understand what is included in your liferaft, to ensure you are equipped with the fundamental life saving equipment, when faced with an emergency situation.

Below we have detailed the safety equipment liferaft contents, which will cover up to 12 man liferafts.

EQUIPMENT	SOLAS A PACK	SOLAS B PACK
Buoyant knife	1	1
Bailer	1	1
Sponges	2	2
Paddles	2	2
Whistle	1	1
Torches	1	1
Heliograph	1	1
Anti seasickness tablets	6pp	6pp
Seasickness bag	1pp	1pp
Red handheld flare	6	3
Parachute rocket	4	2
Buoyant smoke signal	2	1
Thermal protective aid (TPA)	2	2
Repair kit	1	1
Water	1.5L pp	N/A
Food	10,000kj pp	N/A
First aid kit	1	1
Bellows	1	1
Throwing line - 30m	1	1
Spare drogue	1	1
Waterproof notebook	N/A	N/A
Signal card	1	1
Sea survival instructions	1	1
Repair kit	Set	Set
Radar reflector	1	1
Fishing kit	1	N/A
Tin opener	3	N/A
Graduated drinking cup	1	N/A
Immediate action card	1	1



OCEAN SOLAS
COMPACT LIFERAFT



Liferaft features:

- SOLAS approved
- 18m freeboard
- SOLAS approved internal and external lighting system
- Insulated floor to retain heat
- Retro-reflective tape to increase visibility
- Dual zip closure for splash protection
- Dual tube inflation system
- Strong inflatable boarding ramp with reinforced ladder for ease of boarding
- Large water ballast pockets for maximum stability
- External guide rail
- Window ties to enable observation port

Designed by our in-house design team and a development from the Ocean Safety military range supplied to the MOD for over 10 years. The Ocean SOLAS Compact liferaft offers 40% space reduction over the cylindrical equivalent and is ideal for vessels with a freeboard of 18m.

Key Features:

- 6, 8, 10, 12, 16 man
- SOLAS A & SOLAS B safety pack options
- Compact container
- Launch type: Throw-over
- Global service network



SOLAS Ultralite option available
contact us for more information

Container



Cradle

Compact Deck Cradle



SOLAS A Pack			
Capacity	Part No	Length x Width x Height (mm)	Weight (kg)
6	RAF5006	790 x 555 x 340	65
8	RAF5008	840 x 570 x 340	77
10	RAF5010	940 x 640 x 344	90
12	RAF5012	940 x 640 x 344	100
16	RAF5014	1100 x 650 x 370	126

SOLAS B Pack			
Capacity	Part No	Length x Width x Height (mm)	Weight (kg)
6	RAF5020	790 x 555 x 280	50
8	RAF5022	840 x 570 x 295	55
10	RAF5024	940 x 640 x 315	65
12	RAF5026	940 x 640 x 315	85
16	RAF5028	1100 x 650 x 340	88

OCEAN SOLAS
THROW-OVER LIFERAFT



Liferaft features:

- SOLAS approved
- SOLAS approved internal and external lighting system
- Insulated floor to retain heat
- Retro-reflective tape to increase visibility
- Dual zip closure for splash protection
- Dual tube inflation system
- Strong inflatable boarding ramp with reinforced ladder for ease of boarding
- Large water ballast pockets for maximum stability
- External guide rail
- Window ties to enable observation port

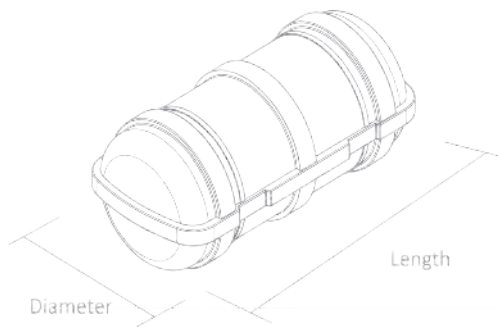
The Ocean SOLAS Throw-over liferaft is built to the more advanced buoyancy of 82.5kg per person to meet the MSC.295(87) regulations. This ensures that one buoyancy tube can support the whole liferaft compliment. Contact the sales team for more information and to discuss your specific requirements.

Key Features:

- 6, 8, 10, 12, 16, 20, 25, 32 man
- Approved up to 40m drop height
- SOLAS A & SOLAS B safety pack options
- Cylindrical container
- Launch type: Throw-over
- Global service network



Container



Cradle Options

W Cradle



Incline Launch Cradle



SOLAS A Pack

Capacity	Part No	Length x Diameter (mm)	Weight (kg)
6	RAF5100	1050 x 590	85
8	RAF5102	1085 x 644	98
10	RAF5104	1185 x 644	108
12	RAF5106	1250 x 644	125
16	RAF5108	1200 x 690	146
20	RAF5110	1450 x 690	172
25	RAF5112	1450 x 690	185
32	RAF5114	1560 x 760	260

SOLAS B Pack

Capacity	Part No	Length x Diameter (mm)	Weight (kg)
6	RAF5120	1050 x 590	73
8	RAF5122	1085 x 644	82
10	RAF5124	1185 x 644	88
12	RAF5126	1250 x 644	100
16	RAF5128	1200 x 690	112
20	RAF5130	1450 x 690	130
25	RAF5132	1450 x 690	135
32	RAF5134	1560 x 760	185

OCEAN SOLAS DAVIT LAUNCH LIFERAFT



SHIP'S WHEEL
MED APPROVED



Liferaft features:

- SOLAS approved
- SOLAS approved internal and external lighting system
- Insulated floor to retain heat
- Retro-reflective tape to increase visibility
- Dual zip closure for splash protection
- Dual tube inflation system
- Strong inflatable boarding ramp with reinforced ladder for ease of boarding
- Large water ballast pockets for maximum stability
- External guide rail
- Window ties to enable observation port

Ocean Safety offers a selection of davit systems to support the range, which can be adapted to suit your specific requirements. With reinforced webbing, Davit launch liferafts are designed to be boarded at deck level before being lowered into the water.

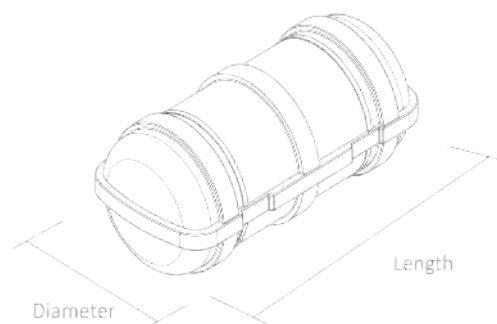
Key Features:

- 12, 16, 20, 25 man
- Approved up to 40m drop height
- SOLAS A & SOLAS B safety pack options
- Cylindrical container
- Launch type: Davit launch
- Global service network

GLOBAL SERVICE
NETWORK



Container



Cradle Options

W Cradle



Incline Launch Cradle



SOLAS A Pack

Capacity	Part No	Length x Diameter (mm)	Weight (kg)
12	RAF5200	1200 x 690	150
16	RAF5202	1450 x 690	175
20	RAF5204	1560 x 760	230
25	RAF5206	1660 x 760	270

SOLAS B Pack

Capacity	Part No	Length x Diameter (mm)	Weight (kg)
12	RAF5210	1200 x 690	125
16	RAF5212	1450 x 690	140
20	RAF5214	1560 x 760	190
25	RAF5216	1660 x 760	210

OCEAN SOLAS
SELF-RIGHTING LIFERAFT



Liferaft features:

- SOLAS approved
- SOLAS approved internal and external lighting system
- Insulated floor to retain heat
- Retro-reflective tape to increase visibility
- Dual zip closure for splash protection
- Dual tube inflation system
- Strong inflatable boarding ramp with reinforced ladder for ease of boarding
- Large water ballast pockets for maximum stability
- External guide rail
- Window ties to enable observation port

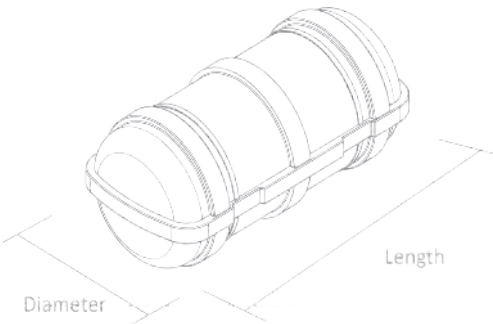
The Ocean SOLAS Self-righting range includes both throw-over and davit launch options.

Key Features:

- 6, 10, 15, 20, 25, 50 man (Davit Self-righting: 25, 37 man)
- Approved up to 40m drop height
- SOLAS A & SOLAS B safety pack options
- Cylindrical container
- Launch type: Throw-over & Davit launch
- Global service network



Container



Cradle Options

W Cradle



Incline Launch Cradle



SOLAS A Pack			
Capacity	Product Code	Length x Diameter (mm)	Weight (kg)
6	RAF5150	1085 X 644	110
10	RAF5152	1250 X 644	135
15	RAF5154	1450 X 690	170
20	RAF5156	1450 X 690	210
25	RAF5158	1560 X 760	245
50	RAF5160	1873 X 894	450

SOLAS B Pack			
Capacity	Product Code	Length x Diameter (mm)	Weight (kg)
6	RAF5170	1085 X 644	115
10	RAF5172	1250 X 644	135
15	RAF5174	1450 X 690	155
20	RAF5176	1450 X 690	185
25	RAF5178	1560 X 760	195
50	RAF5180	1873 X 894	350

DAVIT	25	RAF5220	1660 X 760	285
	37	RAF5222	1760 X 810	385

DAVIT	25	RAF5230	1660 X 760	225
	37	RAF5232	1760 X 810	300

OCEAN SOLAS OPEN REVERSIBLE (ORL) LIFERAFT



Features:

- 10m freeboard
- SOLAS approved lighting system
- Retro-reflective tape to increase visibility
- Dual tube inflation system
- Strong inflatable boarding ramp with reinforced ladder for ease of boarding
- Large water ballast pockets for maximum stability
- External guide rail

Completing the range is the Ocean SOLAS Open Reversible liferaft (ORL), designed to allow boarding onto either side of the raft. Ideal for coded vessels and high speed craft.

Approved by many leading administrations, Ocean Safety offers both cylindrical and flat container options.

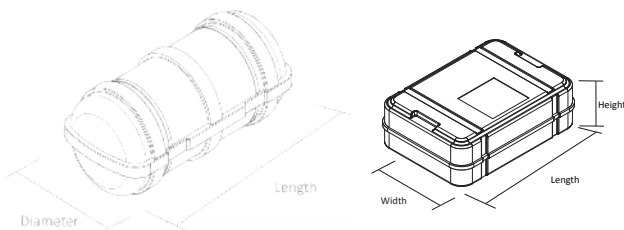
A 2 year service interval applies where applicable.

Key Features:

- 25, 30, 50, 65, 132 man
- Cylindrical & flat container container
- Launch type: Throw-over
- Global service network



Container



Cradle Options

W Cradle



Incline Launch Cradle



Compact Deck Cradle



ORL - Cylindrical

Capacity	Part No	Length x Diameter (mm)	Weight (kg)
25	RAF5268	1185 x 644	130
30	RAF5270	1200 x 690	155
50	RAF5272	1450 x 690	185
65	RAF5274	1560 x 760	220
132	RAF5280	1760 x 760	350

ORL - Flat Pack

Capacity	Part No	Length x Width x Height (mm)	Weight (kg)
25	RAF5256	1100 x 735 x 410	146
30	RAF5258	1100 x 700 x 440	150
65	RAF5262	1540 x 770 x 550	205

REVERE USCG LIFERAFT



Features:

- USCG approved
 - 18m maximum stowage height
 - SOLAS approved internal and external lighting system
 - Insulated floor to retain heat
 - Retro-reflective tape to increase visibility
 - Dual zip closure for splash protection
 - Dual tube inflation system
 - Strong inflatable boarding ramp for ease of boarding
 - Large water ballast pockets for maximum stability
 - External guide rail
 - Window ties to enable observation port
- 4 man low profile option available (USCG compliant only)

Meeting the needs of all types of commercial craft, the Revere USCG/ SOLAS liferaft range consists of two models; standard throw-over and davit launched.

Key Features:

- 4, 6, 8, 10, 12, 16, 20 & 25 man (Davit launch: 12, 16, 20 & 25 man)
- SOLAS A & SOLAS B safety pack options
- 2 year warranty if serviced annually
- Launch type: Throw-over & Davit launch
- Global service network



Container

Low Profile Container



Cylindrical Container



Cradle Options

Low Profile Cradle



Cradle



DAVIT	Capacity	Part No A Pack	Part No B Pack	Round Container Dimensions (inch)	Low Profile Dimensions (Inch)	Weight (lbs) A Pack	Weight (lbs) B Pack
	4	45-REV-CGS-4LP-A	45-REV-CGS-4LP-B	N/A	34.5 x 24.5 x 12.0	110	93
	6	45-REV-CGS-6LP-A	45-REV-CGS-6LP-B	N/A	38.0 x 26.0 x 16.0	160	132
	8	45-REV-CGS-8LP-A	45-REV-CGS-8LP-B	N/A	38.0 x 26.0 x 16.0	183	146
	6	45-REV-CGS-6R-A	45-REV-CGS-6R-B	41.5 x 23.0 ø	N/A	165	137
	8	45-REV-CGS-8R-A	45-REV-CGS-8R-B	43.0 x 25.5 ø	N/A	188	150
	10	45-REV-CGS-10R-A	45-REV-CGS-10R-B	46.5 x 25.5 ø	N/A	210	165
	12	45-REV-CGS-12R-A	45-REV-CGS-12R-B	49.0 x 25.5 ø	N/A	243	188
	16	45-REV-CGS-16R-A	45-REV-CGS-16R-B	47.0 x 27.0 ø	N/A	291	216
	20	45-REV-CGS-20R-A	45-REV-CGS-20R-B	57.0 x 27.0 ø	N/A	371	264
	25	45-REV-CGS-25R-A	45-REV-CGS-25R-B	57.0 x 27.0 ø	N/A	393	276
	12DL	45-REV-CGS-12D-A	45-REV-CGS-12D-B	57.0 x 27.0 ø	N/A	330	275
	16DL	45-REV-CGS-16D-A	45-REV-CGS-16D-B	57.0 x 27.0 ø	N/A	385	308
	20DL	45-REV-CGS-20D-A	45-REV-CGS-20D-B	61.5 x 30.0 ø	N/A	507	419
	25DL	45-REV-CGS-25D-A	45-REV-CGS-25D-B	63.0 x 30.0 ø	N/A	595	463

REVERE INFLATABLE BUOYANT APPARATUS



Features:

- USCG approved
- 18m maximum stowage height 6-50 man (6m max for 4 man)
- SOLAS approved internal and external lighting system
- Dual tube inflation system
- Strong ladder (4-10man) or inflatable ramp (25/50man) for ease of boarding
- Large water ballast pockets for maximum stability (25/50man)
- External guide rail
- Open reversible (25/50man)
- Emergency equipment pack

Revere Survival offers a wide range of IBA liferaft sizes 4-50. While the 4, 6, 8 and 10 person non-reversible IBA liferaft is available in a water resistant soft valise or low profile container, the 25 and 50 person reversible IBAs are available in cylindrical containers.

Key Features:

- 4, 6, 8, 10, 25 & 50 man
- 2 year warranty if serviced annually
- Launch type: Throw-over
- Global service network

GLOBAL SERVICE
NETWORK



Container

Valise



Low Profile Container



Cylindrical Container



Cradle Options

Low Profile Cradle



Incline Cradle



Cradle



Capacity	Part No	Round Container Dimensions (Inch)	Low Profile Dimensions (Inch)	Valise Dimensions (Inch)	Weight (lbs)
4	45-REV-IBA-4V	N/A	N/A	27.5 x 16.5 x 10.0	67
6	45-REV-IBA-6V	N/A	N/A	27.5 x 16.5 x 11.0	71
8	45-REV-IBA-8V	N/A	N/A	27.5 x 17.0 x 11.0	74
10	45-REV-IBA-10V	N/A	N/A	28.5 x 17.5 x 10.5	82
4	45-REV-IBA-4C	N/A	29.5 x 19.0 x 3.0	N/A	80
6	45-REV-IBA-6C	N/A	30.0 x 21.0 x 13.0	N/A	87
8	45-REV-IBA-8C	N/A	30.5 x 21.5 x 13.5	N/A	94
10	45-REV-IBA-10C	N/A	32.5 x 22.5 x 14.0	N/A	105
25	45-REV-IBA-25C	44.0 x 25.0 ø	N/A	N/A	205
50	45-REV-IBA-50C	54.5 x 27.5 ø	N/A	N/A	355

MEANS OF RECOVERY (MOR)

SHIP'S WHEEL
MED APPROVED



This fully approved system provides safe retrieval of people overboard from the sea level up to a rescue vessels deck. MOR systems are mandatory on board roll on/off passenger ships, and must be used in conjunction with a heave compensating Davit.

- Features:
- SOLAS approved
 - Dual tube inflation system
 - External guide rail
 - Global service network

For more information, please contact a member of the sales team.



OCEAN ISO LIFERAFT- SOLAS B SAFETY PACK

GLOBAL SERVICE
NETWORK



- Features:
- ISO approved
 - Global service network
 - SOLAS approved internal and external lighting system
 - Insulated floor to retain heat
 - Retro-reflective tape to increase visibility
 - Zip closure for splash protection
 - Dual tube inflation system
 - Strong boarding ramp with reinforced ladder for easy of boarding
 - Large water ballast pockets for maximum stability
 - External guide rail
 - Window ties to enable observation port
 - 3 year service intervals



Container

Cradle

Valise

Container

Compact Deck Cradle



Not actual container.

Capacity	Valise			Standard Container		
	Length x Width x Height (mm)	Weight	Part No	Length x Width x Height (mm)	Weight	Part No
4 Person	670x420x270	31.5 kg	RAF0160	710x490x280	36.5 kg	RAF0165
6 Person	740x430x270	40 kg	RAF0170	800x520x310	45 kg	RAF0175
8 Person	740x440x280	42.5 kg	RAF0180	800x520x310	48 kg	RAF0185
10 Person	850x450x290	51kg	RAF0190	890x520x290	57 kg	RAF0195
12 Person	Not available			890x520x290	60 kg	RAF0200



HYDROSTATIC RELEASE UNIT

The best-selling hydrostatic release unit in the world, saving lives on the oceans for more than 30 years. It's safe, reliable and simple design, has earned it more worldwide approvals than any other unit.

Should your vessel sink, the Hammar H20, which is activated by increasing water pressure, will automatically release liferafts and EPIRBs.

Features:

- Will release the liferaft when water pressure reaches a depth of 1.5 to 4.0m
- Designed with a 2 year service life
- No annual servicing or maintenance required
- Designed for liferafts from 6 up to 150 person



ELECTRONIC REMOTE RELEASE SYSTEM (ERRS)

Hammar ERRS enables you to release liferafts and other lifesaving equipment from the bridge or other strategic locations onboard. This means that in an emergency situation, you can save precious time.

The release mechanism can be deployed irrespective of factors such as weather, smoke or fire, without the crew having to take any unnecessary risks. Remote release systems not only improve safety on board, they also represent a sound economic investment. Liferafts can be positioned in remote locations on board and valuable deck space can be freed for passengers or cargo. Since Hammar remote release systems are easy to handle, you can also minimise both crew and training costs.

Features:

- Easy to operate
- Customised configuration
- Requires minimum maintenance
- Reliability under all conditions

Especially suited for

- Releasing of several lifesaving appliances
- Installations more than 50 metres in length



MANUAL REMOTE RELEASE SYSTEM (MRRS VACUUM)

Hammar MRRS enables you to release liferafts from the bridge or other strategic locations onboard. This means that in an emergency situation, you can save precious time.

The MRRS is suitable for installations of up to 50 metres in length. By means of a vacuum pump, which is operated manually, the vacuum is conveyed via stainless steel tubing to a release unit. When the release unit is activated, a sharp knife blade cuts the rope sling holding the liferaft to be released. Vacuum pumps can be connected in parallel to give multiple control positions.

Features:

- Requires minimum maintenance
- Simple and well proven design
- Weatherproof and designed for harsh environments
- No power supply is required

Specifically suited for

- Smaller systems with few liferafts or other units
- Installations up to 50 metres in length



LIFEBUOY RELEASE SYSTEM

The Hammar Lifebuoy Release System is a complete, easy-to-fit package for the rapid launch of lifebuoys onboard a ship. It fits ships, vessels and workboats of all types.

Features:

- Safe and quick operation to save lives
- Electric activation from the bridge
- One complete package
- Easy and quick installation onboard
- Economical solution





HAM1000



EPI1020

Description	Part No
HR-0200- H2O 4 Man standard	HAM1015
HR-0100- H2O 6 - 150 Man standard	HAM1000

Description	Part No
HE-0221- H2O EPIRB complete	EPI1020
HE-0221- Bolt & washer spare	EPI5015
HE-00045- Nut spare	EPI5016



HAM1200



HAM1210



HAM1205



HAM1005

Description	Part No
HM-0300- H2O Manual remote unit	HAM1005
HM-0301- Vacuum pump (standard)	HAM1200
HM-0305- U-Console	HAM1205
HM-0311- Stainless steel tubing	HAM1210



HAM2200



HAM1235

Description	Part No
HM-0600- Lifebuoy release system	HAM2200
HM-0630- Lifebuoy replacement kit	HAM1235

LASHING STRAPS & HOOKS

Davit lifeboat release hook



Commercial 6-25 man round liferaft straps (senhouse required)



Part No

SAF0205

Flat Pack 6-8 man liferaft straps (sliphook included)



Part No

SAF0200

Senhouse slip hook



Part No

SAF0195

NARWHAL SV-420 INFLATABLE RIB

The SV-420 is renowned for its low cost service and long life, due to the materials used and provides an increase of 25% more deck space in comparison to previous models.

This ensures you have the additional capacity to carry your approved stretcher, which has become a compulsory requirement.



Specifications

Length overall	420 cm
Inside length	306 cm
Beam overall	207 cm
Inside beam	123 cm
Maximum depth	100 cm
Maximum tube Ø	49 cm
Chambers	5+1
Maximum engine power	25 / 40 HP
Engine shaft type	L
Max. authorized PAX no.	6
Max. authorized load	716 kg
Approximate weight of boat	200 kg
Approval	S.O.L.A.S

Description

Part No

6 Person Inflatable RIB	RIB2200
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PROP GUARD™

A two piece plastic injection moulded cage superficially made to protect from dangerous propeller accidents as well as provide added thrust to allow better vessel handling control.



Colour	Size	Engine Size	Part Number
Yellow	9"	4-14 hp	RIB9500
Orange	11"	20-30 hp	RIB9510
Blue	13"	40-50 hp	RIB9520
White/Red	14"	70-100 hp	RIB9530
White	16"	110-350 hp	RIB9540

OUTBOARD ENGINES

For more information on outboard motors or boat/ liferaft release hooks, please contact our sales team on +44 (0) 23 8072 0800.

Both Yamaha and Mariner MED Ship's Wheel Approved outboard engines are available upon request.



Each LSA Marine Evacuation System (MES) comprises:

- an inflatable inclined evacuation slide;
- a large capacity inflatable liferaft (canopied or open reversible); and a lightweight stowage cradle manufactured in marine grade aluminium.

LSA MES is the only approved, [self supporting / independent] system in the world which evacuates passengers and crew directly from the vessel into large capacity liferafts via an inclined evacuation slide without the need for any winches or complicated hydraulics.



INFLATABLE EVACUATION SLIDE

Strength

- Unique design provides considerable strength to the slide.
- Multi air-holding compartment design enhances structural integrity.
- Slide manufactured from advanced polyurethane coated nylon fabrics.

Flexibility

- Range of slide lengths to accommodate all evacuation heights up to 13.6m.
- Single and double evacuation path slide options to optimise individual ship evacuation plans and evacuation rates.

Increased Safety

- Unique inclined MES slide design provides rapid yet safe and controlled descent.
- Slide evacuation path always clear and useable. No risk of blockages.
- Dry-shod evacuation.
- Clear line of sight from top of the slide to the liferaft at all times increases confidence of evacuees and ability of crew to control the evacuation.

Approvals

- Slides manufactured to comply with requirements of SOLAS 74.
- Prototype tests in accordance with EU Directive of Marine Equipment 96/98/EC and IMO Resolution A689(17) as amended.

MES STOWAGE CRADLE

Lightweight

- Stowage cradle is manufactured of marine grade aluminium.
- Aluminium inflation cylinders.
- Complete unit with slide and liferaft can weigh as little as 685kg.

Compact

- Complete stowage unit can be installed into an area of less than 4m2.

Simple Installation

- Four bolt fixing enables rapid yet simple installation and removal.
- Simple fixed length bowing line arrangements.
- No complicated hydraulics.
- No complicated winches.
- No electric power required.



LARGE CAPACITY LIFERAFTS

Strength

- Manufactured from durable, lightweight and abrasion resistant advanced polyurethane coated nylon fabric.
- Construction using proven high frequency welding and cold stick adhesive bonding techniques.
- Four separate buoyancy compartments.

Protection

- Double skinned canopies for additional insulation.
- Floor insulation.
- All LSA liferafts stowed in a purpose made glass-fibre container.
- Simple specifically designed aluminium single or double launching racks.

Flexibility

- All LSA liferafts designed to form part of LSA MES.
- All LSA liferafts can equally be deployed as a stand alone unit .
- All LSA liferafts come with the appropriate emergency pack.
- Unique "boat shaped" liferaft design facilitates easier towing.



Contact us for further details

LIFEJACKETS TAILORED TO YOUR REQUIREMENTS

3Si Group company; International Safety Products (ISP) is a globally renowned brand in the commercial marine safety sector for their brand of Challenger and bespoke 'own label' lifejackets.

Quality is the top priority of any consumer and ISO 9001: 2008 approval is only the beginning for us. Product approvals to CE, SOLAS, ISO 12402 and a host of international and military standards ensure that our customer's demands are satisfied.

Few areas are more demanding than commercial marine workwear and at ISP we offer the widest possible choice of fabrics, buoyancies, inflation mechanisms and logo styling.

Specify your own lifejacket to suit your needs:

Choosing from:

- A wide range of cover options in design, fabric and colour
- 5 different bladder styles in various high visibility safety colours
- The inflation mechanism of your choice
- A range of waist belt and harness options

For more information and to discuss your options please call +44(0) 151 922 2202.



YOUR REQUIREMENTS YOUR LIFEJACKET



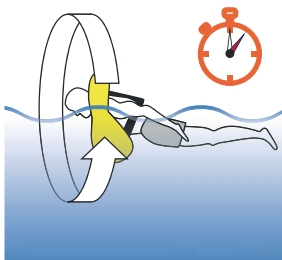
WAVE BARRIER TECHNOLOGY

Many of our lifejackets include the patented unique interlock bladder design with Wave Barrier technology. The design is the culmination of years of design expertise and knowledge working in tandem with test houses and approval bodies.

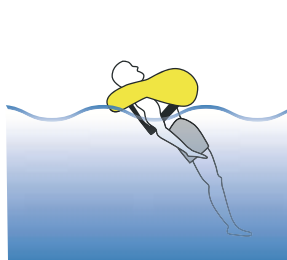
The unique bladder delivers a sub 5 second super-fast turn speed placing the wearer on their back with airways raised clear above the waterline, delivering maximum freeboard. The two lobes of the bladder overlap in the centre creating a resistant Wave Barrier keeping the wearers airways free from channeled water and massively reducing the risk of secondary drowning.

- 1** Wave Barrier technology delivers sub **5 second** super-fast turn speed.
- 2** The wearer is placed on their back with **airways raised** clear above the waterline delivering maximum freeboard.
- 3** The interlocking Wave Barrier bladder blocks the flow of water into the wearers airways, **massively reducing the risk of secondary drowning**.

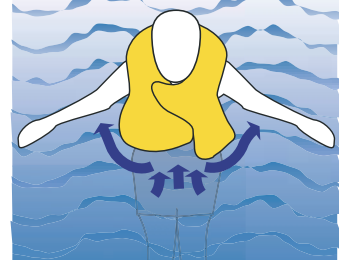
1



2



3



COVER FABRICS

PVC
Wipe
Clean



Neon



Orange

Durable
Nylon



Red



Black

Panotex



LIFEJACKET	APPROVAL	BLADDER TYPE	STANDARD FEATURES	COVER OPTIONS	OPTIONAL FEATURES
WORKSAFE 170 	ISO APPROVED 		<ul style="list-style-type: none"> • Retro-reflective hemming • Stainless steel interlocking belt buckle • Halkey Roberts inflation system • Lightweight comfort fit 	  	<ul style="list-style-type: none"> • Deck harness • Sprayhood • Crotch strap • SOLAS approved lifejacket light • AIS/ PLB ready
WORKSAFE 300 	ISO APPROVED 		<ul style="list-style-type: none"> • Retro-reflective hemming • Stainless steel interlocking belt buckle • Halkey Roberts inflation system • Lightweight comfort fit 	  	<ul style="list-style-type: none"> • Deck harness • Sprayhood • Crotch strap • SOLAS approved lifejacket light • AIS/ PLB ready
WORKSAFE PRO 170 	ISO APPROVED 		<ul style="list-style-type: none"> • UML Pro sensor • Firing head window • Neoprene comfort neck • Crotch strap • Storage pocket • Radio clip • Quick burst zip 	 	<ul style="list-style-type: none"> • Deck harness • Sprayhood • SOLAS approved lifejacket light • AIS/ PLB ready
WORKSAFE PRO 320 	ISO APPROVED 		<ul style="list-style-type: none"> • UML Pro sensor • Firing head window • Neoprene comfort neck • Crotch strap • Storage pocket • Radio clip • Quick burst zip 	 	<ul style="list-style-type: none"> • Deck harness • Sprayhood • SOLAS approved lifejacket light • AIS/ PLB ready
FLEXI-WING 150 	SHIP'S WHEEL MED APPROVED 		<ul style="list-style-type: none"> • Deck harness • Stainless steel interlocking belt buckle • SOLAS approved lifejacket light • Hook & loop closure • Buddy line • Twin chamber 	  	<ul style="list-style-type: none"> • Deck harness • Sprayhood • Crotch strap • AIS/ PLB ready • Belt extender
INTERLOCK 300 	SHIP'S WHEEL MED APPROVED 		<ul style="list-style-type: none"> • Deck harness • Stainless steel bar buckle • SOLAS approved lifejacket light • Hook & loop closure • Buddy line • Twin chamber 	  	<ul style="list-style-type: none"> • Deck harness • Sprayhood • Crotch strap • AIS/ PLB ready • Belt extender
CONSTANT WEAR 	SHIP'S WHEEL MED APPROVED 		<ul style="list-style-type: none"> • Zip front for easy donning • Neoprene comfort neck • SOLAS approved lifejacket light • Quick burst zip • Buddy line • Twin chamber 	  	<ul style="list-style-type: none"> • Sprayhood • Crotch strap • AIS/ PLB ready • Belt extender
WIND CHALLENGER 275 	SHIP'S WHEEL MED APPROVED 		<ul style="list-style-type: none"> • UML Pro sensor • Firing head window • Splash proof zipped MOB1 inspection • Neoprene comfort neck • Deck harness • Reflective shoulder tape • Quick burst closure • Twin chamber 	 	<ul style="list-style-type: none"> • Sprayhood • AIS/ PLB ready • Belt extender

WIND CHALLENGER 275

SHIP'S WHEEL

MED APPROVED



This premium Wind Challenger lifejacket is specially designed for use as a combined working/abandonment lifejacket. With 300 Newtons of buoyancy 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 the wearer in less than 5 seconds.

The interlocking lobe design also creates an effective wave barrier preventing water channeling into the airways.

Features

- SOLAS approved
- Interlocking lobe design
- 300 Newtons buoyancy
- High visibility fabric
- Twin chamber security
- Contoured head and neck support
- Lightweight and comfortable to wear
- Twin chamber
- Automatic firing mechanisms
- Retro-reflective tape
- Whistle
- Grab loop
- SOLAS approved lifejacket light
- Buddy line
- Produced using components that conform to ISO 12402

Design Options

- A wide range of cover options including wipe clean heavy duty PVC, hard wearing Nylon and Panotex
- Deck harness system approved to ISO 12401
- M100 or MOB1 AIS unit fitted
- Sprayhood
- Strobe lifejacket light
- Crotch strap

CHALLENGER CONSTANT WEAR 275

SHIP'S WHEEL

MED APPROVED



The new twin chamber Constant Wear lifejacket is built on a reputable jacket used for commercial RIB applications. Its comfortable and light weight qualities, renders it an ideal solution for individuals transferring from multiple vessels and tenders or working on wind farm and industrial installations, without feeling the need to take it off.

The sculpted shoulders and compact lightweight design ensures exceptional ergonomics, giving users complete freedom of movement in the upper body, when worn with heavy or light overalls. The low profile neckline and padded back panel heightens comfort whilst maintaining maximum support.

Features

- SOLAS approved
- Twin chamber
- Abrasion resistant outer layer – providing enhanced durability
- Low profile neck line – increased comfort
- Stainless steel interlocking belt buckle
- Front zip - easy to don and remove
- Back panel – giving extra support to the wearer
- Crotch strap – added security
- Retro-reflective tape on the bladder - increased visibility
- Whistle
- SOLAS approved lifejacket light
- AIS ready for fast MOB rescue
- Interlocking bladder

Design Options

- A wide range of cover options including wipe clean heavy duty PVC, hard wearing red Nylon
- Sprayhood
- Strobe lifejacket light
- Removable crotch strap

CHALLENGER INTERLOCK 300



The SOLAS approved Challenger Interlock 300 lifejacket is constructed using a highly durable red Nylon and available in a variation of fabrics ideal for high abrasive environments such as industrial oil, fishing, ship builders, workboat operators and harbour and marine construction. This lightweight and comfortable lifejacket comprises 300N actual buoyancy and is designed with the interlocking bladder featuring Wave Barrier technology.

Features

- Fully approved to the latest amendments in SOLAS Chapter III 2010
- Interlocking lobe design
- 300 Newtons buoyancy
- Twin chamber security
- Contoured head and neck support
- Lightweight and comfortable to wear
- Halkey Roberts automatic inflation system

Design Options

- A wide range of cover options including wipe clean heavy duty PVC, hard wearing Nylon and fire resistant Panotex
- Deck harness system
- M100 or MOB1 AIS unit fitted
- Sprayhood



CHALLENGER FLEXI-WING 150



The SOLAS Challenger Flexi-Wing lifejacket comprises the unique Flexi-Wing bladder technology offering the wearer enhanced in water performance with higher freeboard and improved floatation angles.

Features

- Interlocking lobe design
- Twin chamber security
- Lightweight and comfortable to wear
- Fully approved to the latest amendments in SOLAS Chapter III 2010
- The unique bladder shape features Flexi-Wing technology
- Halkey Roberts automatic inflation system

Design Options

- A wide range of cover options including wipe clean heavy duty PVC, hard wearing Nylon and fire resistant Panotex
- Deck harness system approved to ISO 12401
- M100 or MOB1 AIS unit fitted
- Sprayhood
- Crotch strap



CHALLENGER AQUA JUNIOR 100



The Aqua Junior 100N is the child's version in the SOLAS range which has been specifically designed to provide a comfortable and compact lifejacket that conforms to the latest regulations. It is much less cumbersome than a foam lifejacket allowing un-restricted movement. The lifejacket fits children in the weight range of 15kg - 43kg and is fitted with crotch straps for enhanced fit & security.

Features

- Lightweight and comfortable to wear
- Fully approved to the latest amendments in SOLAS Chapter III 2010
- Halkey Roberts automatic inflation system
- Lifejacket light
- Buddy line
- Fully adjustable for a secure fit

CHALLENGER WORKSAFE PRO 320



The Worksafe Pro 320 lifejacket enhances the performance of the standard Worksafe range featuring a slim fit ergonomic design with mesh back for increased support and breathability. A Neoprene anti abrasion neck comes as standard, further enhancing wearer comfort. A storm flap, integral zipped pocket and radio attachment strap adds to this feature packed high performance lifejacket.

Buoyant to 320 Newtons, it has a super-fast turnover speed increasing freeboard and keeping the airways high above the water line reducing the possibility of secondary drowning. A single removable crotch strap minimises ride-up, further improving in-water performance.

Features:

- 320N buoyancy
- ISO 12402 approved
- Ergonomically designed
- UML Pro Sensor inflation system
- Harness or non-harness options available
- Comfort Neoprene collar
- Stainless steel D ring (Harness version only)
- AIS ready
- Firing head window
- Radio attachment point
- Integral crotch strap
- Easy front donning
- Adjustable fit
- Zip closure with protective storm flap

Design Options

- Lifejacket light
- Sprayhood
- AIS beacon
- A wide range of cover options including heavy duty orange PVC wipe clean, Panotex fire retardant and durable Nylon

CHALLENGER WORKSAFE PRO 170



The Worksafe Pro 170 lifejacket enhances the performance of the standard Worksafe range featuring a slim fit ergonomic design with mesh back for increased support and breathability.

A Neoprene anti abrasion neck comes as standard, further enhancing wearer comfort. A storm flap, integral zipped pocket and radio attachment strap adds to this feature packed high performance lifejacket.

Buoyant to 170 Newtons, it has a super-fast turnover speed increasing freeboard and keeping the airways high above the water line reducing the possibility of secondary drowning. A single removable crotch strap minimises ride-up, further improving in-water performance.

Features:

- 170N buoyancy
- ISO 12402 approved
- Ergonomically designed
- UML Pro Sensor firing head
- Harness or non-harness options available
- Comfort Neoprene collar
- Stainless steel D ring (Harness version only)
- AIS ready
- Firing head window
- Radio attachment point
- Integral crotch strap
- Easy front donning
- Adjustable fit
- Zip closure with protective storm flap

Design Options

- Lifejacket light
- Sprayhood
- AIS beacon
- A wide range of cover options including heavy duty orange PVC wipe clean, Panotex fire retardant and durable Nylon

CHALLENGER WORKSAFE 300



The Challenger Worksafe lifejacket is designed to be easy to don, comfortable and unrestrictive to wear when performing heavy manual work.

The Worksafe can also be fitted with a fire retardant cover when performing tasks such as welding (PVC, Nylon or clear painters covers are also available).

The Challenger Worksafe incorporates the interlocking bladder, which self-rights the wearer in under five seconds, (even if they are unconscious) and provides an effective wave barrier which prevents water from being channelled into the wearers airways.

Features:

- 300N buoyancy
- ISO 12402 approved
- Halkey Roberts inflation system
- Wave barrier technology
- Stainless steel front buckle fastening
- Tailored fit
- Stainless steel D ring (Harness version only)
- Single chamber interlocking lobes
- Fitted lifting becket
- Whistle
- Hook and loop closure

Design Options

- Lifejacket light
- Automatic or manual firing head
- Sprayhood
- Single or twin crotch strap
- AIS beacon
- A wide range of cover options including heavy duty orange PVC wipe clean, Panotex fire retardant and durable Nylon

CHALLENGER WORKSAFE 170



The Challenger Worksafe lifejacket is designed to be easy to don, comfortable and unrestrictive to wear when performing heavy manual work.

The Worksafe can also be fitted with a fire retardant cover when performing tasks such as welding (PVC, Nylon or clear painters covers are also available).

The Challenger Worksafe incorporates the interlocking bladder, which self-rights the wearer in under five seconds, (even if they are unconscious) and provides an effective wave barrier which prevents water from being channelled into the wearers airways.

Features:

- 170N buoyancy
- ISO 12402 approved
- Halkey Roberts inflation system
- Wave barrier technology
- Stainless steel front buckle fastening
- Tailored fit
- Stainless steel D ring (Harness version only)
- Single chamber interlocking lobes
- Fitted lifting becket
- Whistle
- Hook and loop closure

Design Options

- Lifejacket light
- Automatic or manual firing head
- Sprayhood
- Single or twin crotch strap
- AIS beacon
- A wide range of cover options including heavy duty orange PVC wipe clean, Panotex fire retardant and durable Nylon

MULLION COMPACT SUPREME 150

The Compact Supreme 150 heavy duty wipe clean lifejacket is ideal for heavy commercial fishing applications especially for potters, crabbers, lobster fisherman and also suitable for construction workers.



Features:

- 172N buoyancy
- High abrasion resistance fabric reinforced with additional high abrasion resistance 'Tektor' fabric around the sides and lower edges of the cover to prevent damage.
- Durable wipe clean PVC reinforcement
- To increase comfort and avoid irritation to the neck there is a comfort collar padding to the back of the neck
- Mesh back feature for better stability in wear and in-water, improving weight dispersal & reducing pressure on back of neck for added comfort
- Concealed zip cover fastening with burst point at centre back neck. Added waterproof durable protective cover over zip to reduce possibility of water ingress leading to inadvertent inflation/ protects zip from abrasion and damage
- Quick release buckle
- Detachable crotch strap
- Operational indicator window
- Service date information window
- EN ISO 12402-3 approved

Bladder:

- Single chamber
- Oral inflation tube
- SOLAS approved retro-reflective tape on bladder
- Red recovery grab strap on bladder marked 'LIFT'
- 38g CO₂ gas cylinder
- New inflation system- less chance of inadvertent inflation/ smoother design to minimize abrasion on cover & bladder

MULLION COMPACT 150 REGULAR

The Compact 150 Mark II is ideal for general heavy use professional and commercial applications due to its high abrasion resistance outer cover. Available in red, olive green and navy.



Features:

- 172N buoyancy
- High abrasion resistance fabric
- Quick burst zip fastening cover
- Quick release buckle
- Detachable crotch strap
- Operational indicator window
- Service date information window
- EN ISO 12402-3 approved

Bladder:

- Single chamber
- Oral inflation tube
- SOLAS approved retro-reflective tape on bladder
- Red recovery grab strap on bladder marked 'LIFT'
- 38g CO₂ gas cylinder
- Inflation system
- Whistle

MULLION HI-RISE SOLAS 150 & 275



State of the art SOLAS 275 Newton (available in 150 Newton category) inflatable lifejacket developed according to the new SOLAS legislation.

Available in navy, red and wipe clean cover options.



Features:

- Durable waterproof fabric
- Double shoulder straps for comfort and reduction of weight to the back and neck
- Zip fastening cover
- Stainless steel interlocking belt buckles
- Adjustable waist belt
- Detachable crotch strap
- Front marine grade stainless steel D-ring
- Reflective silver piping on the front
- SOLAS and EN ISO approved

Bladder:

- Twin chamber
- Oral inflation tube for pressure management
- SOLAS approved retro-reflective tape on bladder
- Red recovery grab strap on bladder marked 'LIFT'
- 2 CO₂ gas cylinders
- Whistle
- Buddy line

MULLION HI-RISE REGULAR 150 & 275

Designed to combine optimum safety and comfort, ideal for offshore extreme use with foul weather clothing and equipment.

Available in navy and red.



Features:

- Durable waterproof fabric
- Double shoulder straps for comfort and reduction of weight to the back and neck
- Zip fastening cover
- Stainless steel interlocking belt buckles
- Adjustable waist belt
- Detachable crotch strap
- Reflective silver piping
- EN ISO approved

Bladder:

- Single chamber
- Oral inflation tube
- SOLAS approved retro-reflective tape on bladder
- Red recovery grab strap on bladder marked 'LIFT'
- CO₂ gas cylinders
- Whistle

MULLION MARINER 275



Features:

- Durable waterproof fabric
- Zip fastening cover
- Stainless steel interlocking belt buckles
- Adjustable waist belt
- Detachable crotch strap
- Front marine grade stainless steel D-ring
- EN 399: 1994 approved

Bladder:

- Single chamber
- Oral inflation tube
- SOLAS approved retro-reflective tape on bladder
- Red recovery grab strap on bladder marked 'LIFT'
- 60g CO₂ gas cylinders
- Whistle

CHALLENGER FERRY PASSENGER LIFEJACKET 150



The Challenger Ferry Passenger 150N inflatable lifejacket has been specifically designed to meet the needs of a ferry passenger in an emergency. Each lifejacket comes in an airtight compact space saving foil pouch (25 x 12 x 6cm) with donning instructions and is suitable for persons over 30kg.

- Features:**
- 150N buoyancy
 - EN396
 - Plastic buckle closure
 - Compact design
 - Single chamber
 - Manual Halkey Roberts inflation
 - Contained in a foil pouch
 - Child's sizing available

STANDARD FOAM LIFEJACKET



The EVAL 2010 foam lifejacket comes complete with:

- Features:**
- Retro-reflective tape EN12402-8
 - Approved whistle
 - Two belt positions for lifejacket light installation (in front or on the side)
 - Equipped with belt ending at a plastic hook so that the persons wearing it can strap together (see below)
 - Constructed in accordance to international regulations IMO MSC.200(80) & MSC.207(81)

Description	Part No
ADULT - 150N (615x385x100mm)	LIF0875
CHILD - 85N (545x310x95mm)	LIF0880
INFANT - 70N (470x295x90mm)	LIF0885

FOLDABLE FOAM LIFEJACKET

An excellent solution for boat and ships that lack storage space.



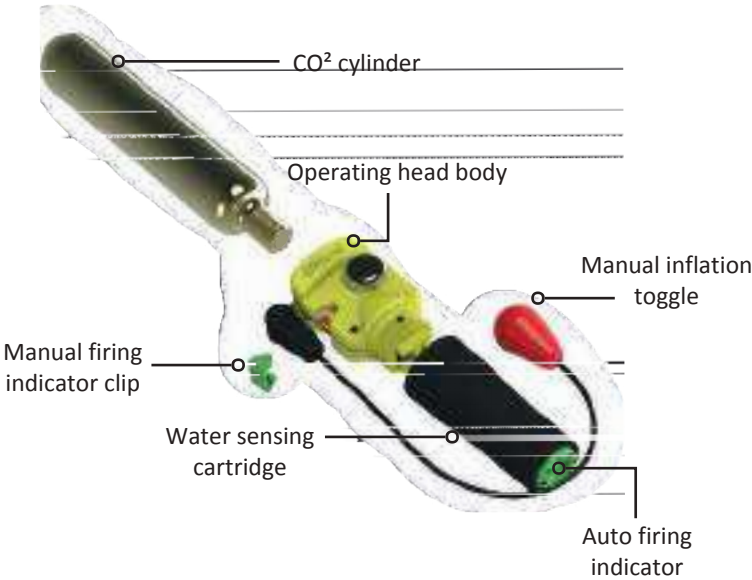
- Features:**
- Easily stored under the seats
 - Retro-reflective tape.
 - Approved whistle.
 - Two belt positions for lifejacket light installation (in front or on the side).
 - Equipped with a buddy line security belt ending with a hook for easy attachment.

Description	Part No
ADULT - foldable	LIF0900
CHILD - foldable	LIF0905
INFANT - foldable	LIF0910



UNITED MOULDERS SPARES

The United Moulders (UM) lifejacket inflator uses a screw on cartridge and activates when it comes into contact with water. The cartridge mechanism has a compressed high powered spring which is held by a paper element. When the paper element dissolves it releases the spring allowing the firing mechanism to puncture the CO₂ cylinder, the CO₂ then travels through the manifold and inflates the lifejacket. The automatic system is backed up by a manual override, which allows the user to pull the toggle and inflate the lifejacket.



Gas cylinder	Re-arm pack - Part No	
	Automatic	Manual
UM 18g	LIF2870	–
UM 24g	–	LIF2795
UM 33g	LIF2880	LIF2800
UM 38g	LIF2885	LIF2805
UM 60g	LIF2890	LIF2810
UM mk 5 clip		LIF3059
UM mk 5 2007 clip		LIF3082
UM mk 5 auto cartridge		LIF3070
UM Mini head clip		LIF3080

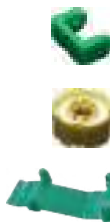


HALKEY ROBERTS SPARES

The Halkey Roberts automatic system activates when a salt water bobbin is in contact with water. The bobbin dissolves and allows the firing mechanism to puncture the CO₂ cylinder, the CO₂ then travels through the manifold and inflates the lifejacket. The automatic system is backed up by a manual override pull cord, which allows the user to pull the toggle and inflate the lifejacket.

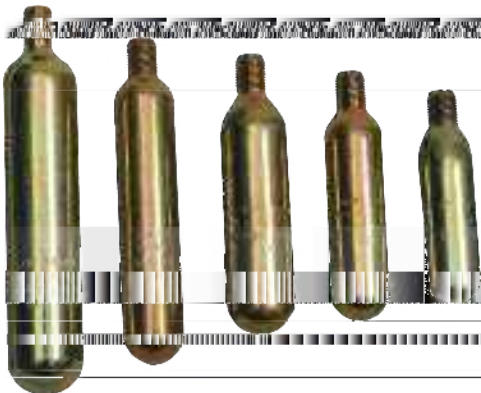


Gas cylinder	Re-arm pack - Part No	
	Automatic	Manual
HR 18g	LIF2840	–
HR 24g	LIF2845	LIF2795
HR 33g	LIF2850	LIF2800
HR 38g	LIF2855	LIF2805
HR 60g	LIF2860	LIF2810
HR retaining clip		LIF3057
HR super bobbin		LIF3050
HR large side retaining clip		LIF3055



A wide range of high quality CO₂ cylinders are available for United Moulders (UM) and Halkey Roberts (HR) lifejackets. Each pack is supplied with clear and concise fitting instructions and is a recommended carry aboard spare.

GAS CYLINDER SPARES



Gas cylinders sold separately

Gas cylinder	Part No
18g	LIF3005
24g	LIF3010
33g	LIF3020
38g	LIF3025
60g	LIF3035

AQUASPEC AQ40 LIFEJACKET LIGHT

SHIP'S WHEEL
MED APPROVED

5 times longer*

More than 40 hours of continuous operation

* Compared to 8 hour SOLAS minimum standard

3 times brighter*

More than 2.5cd of illumination after 8 hours continuous use

* Compared to 0.75cd SOLAS minimum standard

Features

- Powerful white flashing LED dome light
- Sensor lead (AQ40L) or built in sensor points (AQ40S)
- Manual and automatic water activation
- Functional and simple design
- Fixing clip designed for easy attachment
- Compact design
- Maintenance free five year battery life
- Tamper-proof
- 40 hour operating time

Technical specification

Colour	White LED
Activation	Water Auto / Manual
Dimensions	50mm (h) x 22mm (w) x 31mm (d)
Weight	39grams (AQ40L) 29 grams (AQ40S)
Battery Type	Lithium
Output	Minimum 2.5cd Light
Duration	Minimum 40hrs Light
Approvals	SOLAS (LSA Code), IMO Res MSC 81(70), ISO24408

Description	Part No
AQ40LM (lead) light	LIF2065
AQ40S (sensor) light with fitted patch	LIF2070

APOLLO LIFEJACKET LIGHT

SHIP'S WHEEL
MED APPROVED

This low profile light is a single compact flashing unit. It is manually activated by pressing the switch on the front of the light and automatically when in water, it can be turned off manually if required.

The light is emitted through an ultra low profile dome, making the light less susceptible to damage during evacuation.

Technical specification

Colour	Yellow (Standard)
Output	Minimum 0.75 cd Light
Duration	Minimum 8 hours Light
Type	Flashing LED
Storage Temp	-30°C to + 65°C
Operating Temp	-1°C to + 30°C
Storage Life	5 years
Weight Nominal	35 g
Activation	Water/Manual
Approvals	Classification Societies SOLAS/MED/USCG

Description	Part No
OS - W3 light	LIF2080

ALCARES LED LIFEJACKET LIGHT

SHIP'S WHEEL
MED APPROVED

The LED Alcares light is only 16mm in depth and is supplied with a clip so that it can easily be fitted into any lifejacket. The light has rounded edges to prevent damage to the lifejacket bladder. The LED light automatically activates when exposed to water and has an intensity of greater than the 0.75cd standard, it also has a manual on/off switch.

Technical specification

Light intensity:	>0.75cd
Size:	85mm x 42mm x 16mm (LxWxH)
Light dome:	9mm
Weight:	67g
Material:	Polycarbonate
Waterproof	
Batter type:	Alkaline, 5 years storage life (Lithium option available)

Description	Part No
Alcares lifejacket light	LIF8405

DANIAMANT ALKALINE W4-A & M4-A LIFEJACKET LIGHT



The NEW Alkaline range meets all the testing requirements of SOLAS and the Marine Equipment Directive. This low-profile light is a single compact flashing unit. It is manually or water activated. The light is emitted through an ultra low profile dome, making the light less susceptible to damage during evacuation.

- Features:**
- No transport restrictions= no lithium batteries
 - No disposal problems at end of life
 - Exceeds SOLAS light output and life requirements
 - One light for both recessed and belt mounting
 - Ultralow dome to assist in storage and chute evacuation
 - Easy to test

Description	Part No
Dan M4-A with belt clip	LIF2090
Dan W4-A with belt clip	LIF2094
Dan M4 oral tube clip	LIF2095
Dan M4 foam insert	LIF2097



DANIAMANT W3 & WR3 LIFEJACKET LIGHT



This light has a special fitting clip design for attachment to a lifejacket so that only the ultra-low profile dome is above the fabric on the jacket. The light is specially designed for lifejackets used on passenger vessels with evacuation or chute systems for mass evacuation of passengers.

Dan WR3 is the recessed version of the Dan W3.

Description	Part No
Dan W3 Automatic	LIF2200
Dan WR3 Automatic light	LIF2202
Dan M3 Manual light	LIF2205



DANIAMANT L6-EX & L6A-EX LIFEJACKET LIGHT



The L6A is a one-piece, automatically activated light supplied with a mounting clip. The light flashes between 50-70 times per minute and exceeds 0.75 candela light output. With a similar build standard to the L6 it meets IMO SOLAS requirements. Housed in a waterproof, corrosion and temperature resistant case it has an operating life exceeding 8 hours and a unique integrated water sensor switch to turn the light off. The L6A is easy to install on most types of lifejackets saving on labour costs. Its small size makes it easy for stowage of lifejackets and it is easily fitted with the unique fitting clip supplied.

L6A-Ex intrinsically safe lifejacket light image featured to the left.

Description	Part No
L6M Manual light	LIF2103
L6A Automatic light	LIF2105
L6-Ex Manual intrinsically safe	LIF2115
L6A-Ex Automatic intrinsically safe	LIF2118



DANIAMANT L7A2 LIFEJACKET LIGHT



The L7A2 light slides into the recessed housing unit which is permanently mounted in the life jacket, leaving only the small dome and light visible. The light is safe from any damage when the jacket is used in a safety drill and during any evacuation. The light is easily replaced after 5 years.

Description	Part No
L7A2	LIF2110

Inserts sold separately



YOUR REQUIREMENTS YOUR SURVIVAL SUIT



TYPHOON[®]

OVER **70 YEARS** OF TECHNICAL EXCELLENCE
IN **DRYSUIT** DESIGN & **MANUFACTURING**.

Typhoon's head office and factory situated in the North East of England provides a full manufacturing and after sales service which also includes repairs and servicing. We can customise products to suit individual requirements including bespoke drysuits, made-to-measure drysuits or adding extras such as pockets, custom zips and company or organisation logos.

We supply to all the major military markets around the globe as well as commercial customers which include, waterway and environment agencies, search & rescue organisations, independent rescue and mountain rescue organisations, fire & rescue, windfarms and global security agencies.

By utilising our expertise we can offer you **solutions as unique as your requirements.**

Contact us to discuss your requirements
call: +44 (0) 1642 486 104 or email: typhoonsales@3sisafety.com

70
Years
Est. 1947

Our reputation is based on **quality and performance**, which is crucial when supplying lifesaving equipment.

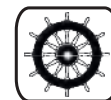
Each and **every drysuit** is crafted to the highest standard and pressure tested before dispatch, conforming to CE and ISO9001 standards.

Research and development never ceases, as we continue to research new fabrics, textiles and components, integrating them into our product range.



TYPHOON SOLAS WOSS SUIT

SHIP'S WHEEL
MED APPROVED



The constant wear drysuit for marine working environments. Designed specifically for long periods of use in the most challenging environments. It features a high visibility yellow top and reflective tape.

Features:

- SOLAS approved
- Integrated mitts and hood
- Fabric socks
- Diagonal self-don zip
- PU reinforced knees and seat
- Double taped crotch strap
- Removable internal braces
- Elasticated waist
- Flat pocket
- Heavy duty wellington boots option
- Reflective cuff tape
- Glideskin (Neoprene) neck and cuff seals available on request at an additional charge

Sizes:

XS, S, SM, M, MB, LM, L, LB, XL, XXL, XXXL, Made To Measure

THE TYPHOON WOSS IS ALSO AVAILABLE IN THE FOLLOWING OPTIONS:



BREATHABLE (image featured to the left)

Quadply top yellow and Clotex bottom in black : XS, S, SM, M, LM, L, LB, XL, XXL, XXXL & MTM

PATROLMANS

All black Quadply top and Clotex bottom. Made to order ideal for law enforcement/ government agency applications : XS, X, XM, M, MB, LM, L, LB, XL, XXL & MTM

NYLON WOSS- N100N

Hard wearing suit for more demanding tasks. Yellow top and black bottom. Made to order only : XS, X, SM, M, MB, LM, L, LB, XL, XXL, XXXL & MTM

All of the above are available with Glideskin Neoprene neck and cuff seals as well as various footwear. Please contact the sales team for more information.



TYPHOON RESCUE AND RESPONSE DRYSUIT



An easy don rescue suit, ideal for quick response rescue swimming situations and fast rescue boat work.

A highly breathable quadply top with Trilaminate Clotex bottoms.

Features:

- Nylon acrylic kneepads with neoprene padding
- PU seat reinforcement
- Neoprene glideskin neck and cuff seals for added comfort, warmth and durability
- Internal braces
- A fitted pocket on the right thigh
- Thermic Neoprene boots provided as standard
- Front bib entry system that allows easy self-donning and does not hinder movement
- Reflective taping around the cuffs and ankles

Sizes:

S, M LM, L, XL, XXL and Made To Measure

TYPHOON BREATHABLE 2 PIECE COXSWAIN SUIT



A two piece surface operations suit for Coxswain or crewmen. Available in black, red or drab green.

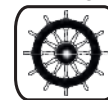
Features:

- Quad Ply breathable trilaminate
- Smock top
- Glideskin neck and cuffs
- Bungee cord waist adjustments
- Design enhances fabric breathability
- Sleeve pockets
- Cordura overlay knee and seat seams
- Adjustable braces with quick release buckle system
- Elasticated back waist
- Bungee cord chest adjustment
- Pack dimensions for stowage: 45cm circumference 67cm

Sizes:

S, M, L, XL, XXL

INTREPID MK1 INSULATED SUIT

SHIP'S WHEEL
MED APPROVED

An emergency abandonment suit for the commercial and military market. Designed as a single use garment to ensure personnel can evacuate stricken vessels in an emergency and aid survival until rescue.

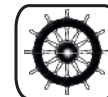
Features:

- SOLAS approved
- 150cm² retro-reflective tape on the hood
- Full face seal
- 5mm Neoprene (4-way stretch)
- Fire retardant
- Large offset zip
- Tailored design
- Integral 5 fingered gloves and Neoprene mitts
- Buddy line
- Tough rubber soles
- Grab bag dimensions: 75 x 29cm
- Packed weight: 3.3kg

Sizes:

Universal & XL

INTREPID MK8 UN-INSULATED SUIT

SHIP'S WHEEL
MED APPROVED

The Intrepid MK8 suit is easy to use, low cost and lightweight, this emergency abandonment suit is designed to accommodate all sizes.

Features:

- SOLAS approved
- Full face seal
- Large offset zip for quick donning
- Complete with a zipper pouch
- Allows donning when wearing boots

Sizes:

Universal & XL



MULLION URSUIT RDS WE



Mullion's famous wind farm transit suit. A special model of the popular RDS Rapid Donning Suit especially made to meet the demands for the offshore industry with Gore-Tex® fabric technology.

Superior benefits:

- Gore-Tex® breathable fabric with PTFE membrane
- Seam construction double seams for extra secure water tightness and durability
- Collar opening for ease of donning and ventilation in warm weather
- Socks made of same fabrics as the suit itself enables use of any professional footwear

Features:

- Soft neoprene wrist & neck seals for comfort
- Integral splash hood, which protects against wind and rain. In addition a separate 3mm Neoprene hood, which protects against the cold water
- YKK® plastic front zipper, for easy donning and doffing
- Sleeve pocket with integrated 3mm 5-finger-Neoprene gloves
- Knee and seat reinforcement made of Cordura® material
- Internal elasticsation keeps the legs up and improves fit
- SOLAS reflective tapes: the suit is fitted with durable flexible reflective tapes in optimum positions, which assures visibility in all conditions
- Possibility to increase thermal protection from 1-6 hours by combining with our thermal liner

MULLION FRC II 1MC3 SUIT



The FRC II suit has a lower collar than suits in our other ranges to avoid interference when wearing a safety helmet and to guarantee excellent 180 degree visibility for the operators.

Features:

- 104N buoyancy (Size L)
- High abrasion resistant reinforcement panels added to front and back legs + seat area
- Extra foam boosters on the chest to give optimum buoyant protection and wind chill resistance
- Extended hood to fit over safety helmets. Low collar to avoid interference with safety helmet
- SOLAS approved retro-reflective tape on hood, upper arms and wrists
- Lifejacket attachment loops to front chest and back neck
- Fully waterproof outer fabric + taped seams
- Anti-flushing straps at wrists, thighs and ankles
- Zip closure with chin protection under double flap with touch close fastening
- 2 patched pockets with flap
- 1 sleeve pocket + marine grade whistle
- Adjustable belt in the waist
- Optional Neoprene wrist and ankle seals to offer semi-dry suit protection and prevent water ingress when operating open exposed craft

Also available: 'Mullion FRC III 275 suit' with incorporated 275N lifejacket.

MULLION AQUAFLOAT SUPERIOR SUIT



The Aquafloat suit is a constant wear flotation suit tested according to ISO 15027 Class D for 2 hours thermal protection in cold water.

Features:

- 74N buoyancy (Size L)
- Reinforcement panels added to knees and seat area
- High collar + extra protective chin strap with touch and close fastening. High-visibility yellow adjustable insulated peaked hood, with built-in chin and face protection stowed in collar
- ID pocket on the chest
- Fully waterproof outer fabric + taped seams
- Anti-flushing straps to arms and legs with easy grip pull tabs + retro-reflective tape
- Front zip closure under double stormflap with touch & close fastening
- 2 patch chest pockets with water repellent flaps + marine grade whistle
- 1 Napoleon pocket under storm flap
- 2 lower hip pockets with fleece handwarmer
- Zip closure + gusset at leg for ease of donning over boots
- Adjustable waist belt and elasticated back waist
- SOLAS approved retro-reflective tape on hood, chest and shoulder
- Inner adjustable Neoprene wrist seals
- 2 hours thermal protection

Also available: Mullion Aquafloat Superior jacket and trousers combination.

MULLION SMART 1A SUIT



The Smart SOLAS suit 1A is a semi-dry suit which provides optimum features and flexibility as a working suit combined with a full approval as a SOLAS Immersion + Anti-Exposure suit offering multifunctional use or emergency abandonment situation.

Features:

- Can also be used as a working suit due to flexibility and comfort of design
- Provides a minimum of 1 hour of thermal protection against cold water shock and delays hypothermia upon immersion
- Adjustable waist belt with heavy duty material interlocking buckles
- Soft and flexible Neoprene socks for flexibility to wear under standard work boots and give added thermal protection during water immersion

MULLION X6 SUIT



Features:

- 91N buoyancy
- Extra foam boosters on the chest to give optimum buoyancy protection and wind chill resistance
- High collar + extra protective chin strap with touch and close fastening
- High-visibility yellow adjustable insulated peaked hood, with built-in chin and face protection stowed in collar
- ID pocket on sleeve and extra pocket on right arm for strobe light
- No chest pockets to minimize snagging hazards
- Fully waterproof outer fabric + taped seams
- Reinforcement panels added to knees and seat area
- Inner adjustable Neoprene wrist seals

MULLION NORTH SEA SUIT



The North Sea one piece suit is a waterproof constant wear floatation suit tested according to ISO 15027: Class D for 2 hours thermal protection in cold water. Other colourways available.

Features:

- Anti-flushing straps to arms & legs
- Adjustable insulated peaked hood
- 2 lower hip pockets with fleece handwarmer
- 1 Napoleon pocket under storm flap
- Zip closure + gusset at leg for ease of donning over boots
- 74N buoyancy (Size L)

Also available as a two piece option.

MULLION X5000 JACKET & TROUSERS



The X5000 combination is a highly breathable, lightweight set aimed specifically for active use without discomfort or restricted movement. This fully waterproof combination optimises wearer comfort.

Features:

- High adjustable collar + detachable (zipped), adjustable insulated, peaked hood + chin strap for optimum face protection
- Additional ventilation system at underarms and across upper back & chest
- Elasticated waist + waistbelt for comfort of fit
- Multiple storage pockets both internally and externally

ELECTRONICS



3SI GUARDIAN (CAT 1 & CAT 2)

With an ergonomic, compact design, the Guardian is the smallest feature-rich EPIRB available.

Features an LED strobe-light, self-test mode, and internal 66 channel GPS.

Available in 2 categories:

Cat 1: Fully enclosed bracket with automatic release system.

Cat 2: Manual release bracket for bulkhead mounting.

Key Features

- Hydrostatic release unit on Cat 1 version
- Energy efficient 4x LED strobe light
- Professional 66 channel GPS receiver
- Water sensors
- High efficiency electronics
- Professional grade design
- Worldwide approvals
- Innovative, quick-change hydrostatic release mechanism
- One-way mounting eliminates the possibility of installing EPIRB backwards
- Integral de-activation magnet prevents the EPIRB from transmitting until deployed on Cat 2 version
- Fits 3Si Guardian EPIRB:
 - Size 14.3 x 5.9 x 4.7" (36.5 x 15.0 x 12.0 cm)
 - Weight 2.23 lbs (1.01 kg)

Please note : Units will still need to be serviced for some commercial uses, please contact our sales team for further information.

Cat 1



Cat 2



Description	Part No
Cat 1 (Float free case)	EPI0045
Cat 2	EPI0140

3SI GUARDIAN PLB

Small and mighty, the Guardian PLB is a full-powered, GPS-enabled rescue beacon with three levels of integrated technology: GPS positioning, a 406 MHz signal, and a 121.5 MHz homing capacity.

Key Features

- Buoyant 406 MHz
- 24+ Hour battery Life
- Waterproof
- Lightweight
- 66 channel GPS receiver
- LED strobe light
- Beacon & GPS self test buttons
- Emergency activation (No subscription required)
- Worldwide approvals
- 5 year warranty
- Size: 1.6 x 1.9 x 4.5" (4.1 x 4.8 x 11.4 cm)
- Attachment loops



Description	Part No
3Si Guardian floating PLB	EPI1020

3SI GUARDIAN SART

This compact unit, when interrogated by radar, transmits 12 intense radar screen blips, greatly enhancing search and rescue efforts. Features a quick release mounting bracket, high impact polystyrene case, and is waterproof to 33ft.

Key Features

- Enhances radar returns with 12 intense blips, whereby the first blip represents the SART
- Unit transmits through the 9.2-9.5 GHz band marine radar when interrogated by radar
- Vessel mounting bracket and collapsible pole stowed inside SART
- Exclusive 3Si Test mode for visual/audible feedback
- High impact polystyrene case designed to withstand rugged environments
- Compact 12.5 x 3-inch unit easily packs into liferaft
- 10 meter (33 ft) lanyard for security
- Waterproof to 10 metres (33 ft)
- Requires lithium battery (5-year replacement life)
- Worldwide certification; complies with GMDSS, IEC, IMO/SOLAS 88, ETSI 300 151, RTCM standards, FCC approved, MED
- Operational Life - 96 hours in stand-by mode; in excess of 8 hours in operational mode
- Application: mandatory requirement for all vessels governed by GMDSS; any yacht or vessel carrying more than one life raft to accommodate crew and passengers



*Hazmat version available.

Description	Part No
3Si Guardian SART	EPI1090

SAFESEA E100/ E100G EPIRB (CAT 1)



Ocean Signal has developed the SafeSea E100 and E100G to meet the needs of all commercial, fishing and leisure vessels. All models are fitted with a 125MHz beacon used for close-in location of vessels in distress.

Key Features

- SOLAS approved
- Choice of GPS and non-GPS models
- Operates in the 406MHz satellite band
- E100G EPIRB incorporates a state of the art 50 channel GPS receiver for fast and accurate position acquisition
- Extreme battery life even at low temperatures
- In excess of 96 hours operation
- Easy release mounting bracket as standard
- Optional manual and automatic release housings available
- LED strobe light for additional impact especially at night
- User replaceable batteries with five year replacement interval (Non hazardous)
- Meets or exceeds all International standards

Description	Part No
E100 EPIRB	EPI3255
E100G EPIRB (GPS)	EPI3260



Automatic release housing



EPIRB mounted with hydrostatic release

SAFESEA SART



The Ocean Signal SafeSea S100 is an X-band radar transponder which complies with IMO SOLAS regulations. It assists in rescue and recovery providing an enhanced target in response to radars operating in the vicinity. When switched on the S100 remains in standby mode until automatically activated by a ship's X-band radar.

Key Features

- Superior battery life – even at -20°C (Temperature range -20°C to +55°C)
- User replaceable battery
- Non Hazardous battery for shipping purposes
- Five year replacement interval
- Compact size for easy liferaft packing
- Supplied with telescopic pole and easy to release mounting bracket

Description	Part No
Safe Sea S100 SART	EPI3295

RESCUE ME AIS ALARM BOX



The AIS alarm box is designed to ensure that the moment any AIS MOB or AIS SART signal is received an audible alarm is sounded ensuring everyone on the vessel is alerted to a possible MOB or a crew in need of rescue.

Key Features

- Panel or bracket mount
- Waterproof (for external mounting)
- Programmable with up to 30 individual device MMSI numbers
- NMEA0183-HS (38400baud) input
- Supplied with power and USB cables
- Detects AIS MOB and AIS SART devices
- Multiple tones to identify source
- Alarms on all received or specific targets
- NMEA through-port for easy integration

Description	Part No
RescueME AIS Alarm box	EPI3175

M100/ M100X MARITIME SURVIVOR LOCATOR DEVICE



The M100 and M100X MSLD (Maritime Survivor Locating Device) is designed to meet the needs of the professional marine market and its offshore workers. The M100 and M100X can be fitted to a life jacket or immersion suit and will automatically activate on inflation of the jacket or on submersion when fitted to the suit. Once activated the M100 and M100X will transmit an alert to all AIS receivers and AIS enabled plotters in the vicinity.

The M100X is designed to meet the European ATEX directive and IECEx approval for use in zone 2 explosive atmospheres.

Key Features

- Designed for automatic activation in life jacket or immersion suit
- AIS transmission for position plotting
- 121.5MHz transmission for homing
- M100 ATEX & IECEx Zone 2 (For use in explosive atmospheres)
- >12 hours transmission
- 66 channel GPS (fast accurate positioning)
- 2 year warranty* (*Subject to warranty statement)
- Simple to fit

Description	Part No
RescueMe M100	EPI3180
RescueMe M100X	EPI3185

RESCUEME MOB1 AIS UNIT - the worlds smallest AIS beacon



The RescueMe MOB1 is intended to be installed within the lifejacket and will activate automatically on inflation, sending first alert within 15 seconds.

- 30% smaller
- Automatic activation
- Simple lifejacket integration
- 7 year battery life
- 24+ hours operational life
- 5 year warranty
- 66 channel GPS -Fast accurate positioning

In an emergency rescueME MOB1 provides two methods of rapidly communicating your location back to the vessel, plus providing visual indication.

- AIS** (automatic identification system) Provides accurate positional information on the vessel's chart plotter plus the distance and bearing of the person(s) in the water.
- Integrated DSC transmitter*** (Digital selective calling)
- High intensity strobe** To maximise visibility in low light conditions

Description	Part No
RescueMe MOB1	EPI3100

RESCUEME PLB1 - the worlds smallest Personal Locator Beacon

The ultra-compact RescueMe PLB1 can be easily fitted into your lifejacket or onto a belt, taking up minimal space and ensuring it is readily accessible.



- 30% smaller
- 7 year battery life
- 7 year warranty
- 66 channel GPS -Fast accurate positioning
- No subscription
- Waterproof to 15m
- Easily deployed antenna

- Flotation pouch included** Ensuring the PLB1 will not sink and can be retrieved from the water
- 406MHz** Link via satellite to Emergency Services
- 121.5MHz** Homing Beacon to aid location by Search & Rescue
- High intensity strobe** To maximise visibility in low light conditions

Description	Part No
RescueMe PLB1	EPI3110

SAFE SEA V100 GMDSS

This emergency telephone has 3 set channels of 3, 6 and 16.

Features

- Lithium polymer rechargeable battery option available with rapid charger, for everyday normal use
- Fully waterproof, even 40°C thermal shock
- High efficiency transmitter for maximum battery life
- Rugged design exceeds GMDSS environmental requirements
- Lithium primary battery for emergency use
- Novel battery protection tab protects from inadvertent use
- Battery classified as non-hazardous for shipment



Description	Part No
V100 & Lithium Battery	VHF1000
V100 & Lithium battery + Charger kit and rechargeable polymer battery	VHF1002

IC-GM1600E- GMDSS

The IC-GM1600E marine VHF handheld has been designed for GMDSS compliant survival craft communications.

Features

- Waterproof to IP-XF specifications
- Meets MED Ship's Wheel certification
- High capacity BP-234 Lithium battery providing up to 8 hours operation even at -20°C
- Large keypad with positive button action for easy operation while wearing gloves
- Wide viewing angle LCD display
- Easy to operate, even for an unskilled operator
- Highly visible yellow coloured body



Description	Part No
IC-GM1600E	VHF0110
Lithium replacement battery	VHF0112

IC-M423G

Features

- Built-in GPS receiver
- White backlight LCD and laser cut keypad
- NEW HM-205B / SW speaker-microphone
- Active noise cancelling
- Intuitive user interface
- 10W loud audio, public address and foghorn
- Built-in class D DSC
- AIS target call
- MarineCommander™ compatible
- IPX7 submersible protection (1.0m depth for 30 minutes)
- AquaQuake™ draining function provides clear audio
- Favourite channel function



Description	Part No
IC-M423G	VHF0324

IC-M506

Features

- Integrated AIS receiver
- NMEA2000 connectivity for AIS
- Last call voice recording
- Active noise cancelling
- Intuitive menu-driven user interface
- 25W two-way hailer
- Built-in horn (Automatic & Manual)
- ITU class D DSC (Meets ITU-R M493-13)
- Rear microphone version (ask for details)
- IPX8 advanced waterproof
- 15W audio output power (with external speaker)
- AquaQuake™ draining function for clear audio
- Optional voice scrambler, UT-112 for private conversation



Description	Part No
IC-M506	VHF0249

MA- 500TR

Features

- Class B AIS transponder
- Transmitted information with MA-500TR static data
- Dynamic data
- Simple operation
- CPA and TCPA for collision-risk management
- Individual DSC call
- 100 waypoint memory
- Safety-related message reception
- Full dot-matrix display
- IPX7 waterproof protection
- 3-line NMEA input/ output
- GPS receiver comes with MA-500TR
- Self diagnostic function (monitor test and transponder test)
- Flush mount installation with optional MB-75 flush mount kit



Description	Part No
MA-500TR	VHF0745

IC-M25

Features

- USB charging (via Micro USB -B connector) – Uses the same cables as many smartphones
- Optional F1st Microphone / 3rd party headsets (not an option on the M-23)
- 30% larger LCD than the M-23
- Slim and light weight.
- 11 Hours battery life
- Float'n Flash

Description	Part No
IC-M25 Grey	VHF0160
IC-M25 Blue	VHF0161
12 V Charger	VHF0130



IC-M35

A buoyant, rugged marine handheld with clear audio boost function.

Features

- IPX7 waterproof protection - 1m depth for 30 minutes
- AQUASHAKE draining function
- 6W RF high power output and 700mW audio output
- Dual/Tri-watch functions with Auto scan function
- Instant access to Ch 16 or programmable call channel
- Optional battery case for use with alkaline cells

Description	Part No
IC-M35	VHF0151



IC-M73E

The IC-M73EURO is a powerful marine handheld that features IPX8 submersion rating, 6 watts high output, long battery life and a compact ergonomic body amongst many other features.

Ideal for all leisure and commercial customers who want a solid, dependable handheld VHF that they can rely on.

Description	Part No
IC-M73E	VHF0169



IC-M87E

Designed with particular emphasis on commercial use the IC-M87 is a high class business marine handheld that meets both marine and simple Private Business Radio (PBR)* *An appropriate licence will be required.

Features

- Compact and lightweight
- Private Business Radio (PBR) function
- Tough, water resistant construction
- Simple operation
- Li-ion battery for extra long battery life
- Water resistant speaker- microphone, HM-138
- Powerful 5 watt output power
- 22 free channels for PMR use
- Desktop charger supplied
- Meets military standard requirements (MIL-STD)

Description	Part No
IC-M87E	VHF0140



IC-M93D EURO

The IC-M93D EURO VHF/DSC handheld radio is the successor to the popular IC-M91D. Stylish and slim, this new Icom handheld contains an abundance of features

Features

- 2.3inch large high visibility LCD screen
- Slimmest* buoyant DSC radio *as of July 2016
- Meets ITU-R M.493-13 Class D DSC with a dedicated DSC receiver for CH70
- Intuitive user interface
- Float'n Flash and MOB auto set function
- Rapid Charger and Li-ion battery pack as standard
- Active noise cancelling technology
- Integrated GNSS receiver
- Navigation function from current position to specified waypoint
- IPX7 submersible (1m depth of water for 30 minutes)
- AquaQuake draining function emits a vibrating sound and clears water away from the speaker grill.

Description	Part No
IC-M93D Euro	VHF0167



IC-M73 PLUS

The IC-M73PLUS meets the same high standards as the IC-M73E, with the addition of two new important; a new voice recording function and ICOM's active noise cancelling technology.

Features

- Last call voice recording
- Active noise cancelling technology
- Bass boost function
- 700mW loud audio
- 6W FR output power
- IPX8 advanced waterproofing
- Slim body
- Wide viewing angle LCD screen
- AquaQuake water draining function ejects water from the speaker grill with low frequency sound
- Favourite channel and tag scan function
- Rapid charger BC-210

Description	Part No
IC-M73PLUS	VHF0168



OVERBOARD RECOVERY

DACON RESCUE SCOOP

The Dacon Rescue Scoop is a powered rescue system for recovery of casualties from the water directly on board larger rescue vessels. It is a semi-rigid, manoeuvrable rescue net which is operated by a standard deck crane.



- Power-assisted method of recovering able or disabled persons from the sea
- Standard equipment on most standby vessels in the North Sea and North Atlantic
- Provides a means of recovery in rough weather with limited risk for the crew
- Enables rescue of an unconscious person with limited crew on smaller vessels in rough weather

The Dacon Rescue Scoop is available in various models to fit vessels of all types and sizes. The equipment has been fitted to standby- and supply vessels in the offshore industry, as well as work boats and windfarm service vessels, etc, through the past 15 years.

Models available

- RSA - Offshore Model
- RSB - SAR, Utility Vessels
- RSC - Small SAR, Pilots, etc



Scoops and frames available to suit all applications

DACON RESCUE BASKET



The Dacon Rescue Basket is one of the most durable and stable rescue basket on the market .

Capacity:

- 8 persons/800 kg
- Test load: 3000 kg. Evenly distributed load
- Efficient equipment in situations with multiple persons in distress
- Easy "float in" entry into the basket
- Heavy duty materials for long service life
- Satisfies class & flag state requirements for "temporary refuge in the sea"

Safety

The basket is completely padded for protection of occupants, large float in the mast prevents capsizing and net covered sides for safety.

- Diameter: 2945 mm
- Height: 2800 mm
- Height mast folded 765 mm
- Weight: 155 kg



Description	Part No
Dacon Rescue Basket RB300	DAC3010

DACON RESCUE FRAME



Man Overboard Recovery System for smaller rescue crafts

The Dacon Rescue Frame consists of a number of parallel fibre glass bars connected by slotted webbing. The outer bar is equipped with flotation, a manoeuvring stick and hand-loops for easy grip.

When deployed, the Rescue Frame hangs down the freeboard forming a cradle in the water. The casualty is positioned in the cradle and gently rolled onboard by lifting the grip bar or the retrieval lines. With the optional hydraulic drum and davit, recovery can be performed single-handed.

Available for any freeboard height. The system stows in a minimum of space. Simple, effective and inexpensive.

Please call with your freeboard, desired width and connection point details.

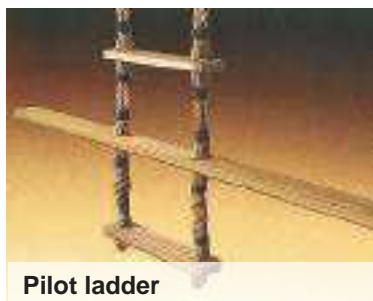
*Conditions apply

Features

- **No mandatory service intervals**
Visual inspection by crew only
- **Built to last**
Rescue frame usually outlives the boat
- **Compact dimensions when stowed**
Standard FRC model: 180 x 20 x 20 cm, 12kg
- **Standard models 180 cm long for full horizontal body support**
Production allows for any dimension required
- **5 Year Warranty**
- Intuitive use, no instructions required
- Satisfies Class & Flag State requirements
- Doubles as scrambling net, stretcher and boarding ladder
- Attractive Price
- Close to 30 years track record in the harsh North Sea



EMBARKATION & PILOT LADDER



Pilot ladder



Embarkation ladder

These wooden pilot ladders are deliverable in different sizes.

Both the embarkation and pilot ladders are MCA Approved and made from real and synthetic rope.

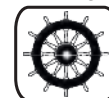
The ladders are made by threading and fixing a series of hardwood, machined steps, each approximately 500mm x 110mm, onto two pairs of 28-30mm diameter ropes, and binding each step to the ropes at 350mm intervals.

At a maximum interval of 8 steps, the standard step is replaced by a spreader, which is an elongated version of the standard machined step, with a minimum length of 1.8 m. The spreader's function is to prevent the ladder from twisting in the prevailing weather conditions when in use.

The lowest four steps of the ladder are normally made from a synthetic or composite resin, which is more resistant than hardwood to the interaction between the host vessel and the pilot boat coming alongside.

Because the decks of most commercial ships are far above the waterline, pilots and others who need to come aboard at sea can usually only do so if a pilot ladder is put out. When not being used, the ladder is stowed away (usually rolled up) rather than left hanging.

SHIP'S WHEEL
MED APPROVED



Pilot Ladder Regulations

As from the 21st July 2011 all ladders sold to or purchased by European Registered Vessels are required to be manufactured to BS ISO 799: 2004 MED Annex A.1/4.49.

Previous IMO Instruments did not include specific requirements for prototype and component testing. This is deemed necessary to ensure conformity and performance.

Ladders to these requirements must bear the MED Ship's Wheel Mark and come with a declaration of conformity.

DACON RESCUE DUMMY



The Dacon Rescue Dummy was developed to provide a realistic training dummy for water rescue. While providing training on various rescue equipment provided to customers we often came across makeshift dummies made of filled coveralls or others with very light weight and low resemblance to a real body.

As a response we developed a training dummy with the following key features

- Realistic height (1,9 m) and weight (up to 85 kg)
- Realistic joints that restrict the movement of the limbs in much the same way as human limbs
- Extremely rugged - It will survive a drop from Heli-Deck on a platform and just about any abuse
- Adjustable to float horizontally or vertically in the water
- Drainable for lighter weight during transport or storage
- The Dacon Rescue Dummy is in use on ships and in training centres all over the world as well as fire departments, police, diver training and many others.



It can be provided with a yellow (standard) or grey (for advanced SAR) PVC coverall. It can also be delivered with negative buoyancy for underwater SAR training.



Description	Part No
Dacon Rescue Dummy	DAC2000

JASON'S CRADLE MOB SYSTEMS

The Jason's Cradle® MOB system is used globally in every military, commercial, rescue, and leisure area within the marine sector.



The Jason's Cradle is SOLAS approved as a multi function access, rescue and retrieval device.

Available types

- The **standard unit** is suitable for most vessels with up to 3m freeboard and is offered in 3 width options
- The **FRC Kit** is suitable for all Fast Rescue Craft and is offered in two width options
- The **Rescue Stretcher** unit is suitable for high sided vessels, diver recovery and quayside rescue and is offered in two sizes.
- The **scramble net** is suitable for high sided vessels, rescue zones and mass recovery/evacuation

Why do I need it?

Jason's Cradle® is designed to retrieve people quickly and horizontally from the water, thus reducing the possibilities of "Hydrostatic shock". The horizontal lift for a MOB has now become critical in the modern marine world and by using the Jason's Cradle®, not only is this achievable, but it is one of the safest and quickest methods of retrieval for conscious and / or unconscious casualties.

Using Jason's Cradle® as your preferred MOB recovery system allows operators to retrieve casualties who are unable to assist themselves due to injury, or high freeboard.

FRC Kit



Rescue Stretcher



Scramble Net



Standard unit



Please call with your freeboard, desired width and connection point details.

FIBRELIGHT CRADLE



The CQC SOLAS approved Fibrelight Cradle is a marine safety device designed for man overboard recovery. The Fibrelight Cradle can also serve as a boarding ladder, scramble net and stretcher.

The Fibrelight Cradle is lighter, more compact, and more versatile than any comparable devices on the market. The cradle has no working parts and therefore does not require servicing; the only requirements are regular inspections by the ships crew and minimal maintenance. The cradle can also be easily rolled and stowed.



Key Features

- SOLAS approved
- Lightweight; up to 50% lighter than competitors
- Compact and easy to stow
- Long Life and 3 years manufacturers warranty
- Easy to use
- No annual servicing requirement
- No parts to corrode or degrade in sea water

Extras

When purchasing the cradle the following additional extras are offered...

- Attachment slings to allow adjustments between the spacing's on attachment points.
- Extendable pole & hook to assist with recovery

Info

The carbon fibre rods are enclosed in flanged tubular webbing, when fitted and sewn at right angles between the double thickness pockets of a second webbing an incredibly strong structure is created.

Fibrelight Cradles are available in lengths of 2, 3, 4, 5, 6 and 7 metres and are 1.3 metres wide. Larger sizes are available for bespoke requests.

The Cradles come as standard in orange/red but black or olive drab are available on request.

KIM THROWING STROP

This innovative combination of a throwing line and lifting strop allows any rescuer to reach and recover a casualty with a single piece of equipment. The weight of the 36 metre line and padded lifting strop allows accurate deployment to the casualty.

- Features:
- Accurate deployment
 - Comfortable wrist loop
 - Padded lifting strop
 - Easily repacked



Description	Part No
KIM throwing strop	KIM5000

HELICOPTER LIFTING STROP

A fully compliant helicopter lifting strop which comes with certification.

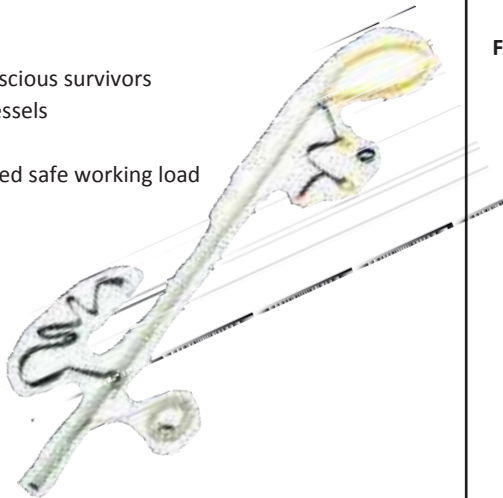


Description	Part No
Helicopter lifting strop	LBU0180

MATESAVER™

- Features:
- Can recover unconscious survivors
 - Ideal for smaller vessels
 - Easy operation
 - 150kg recommended safe working load

Available in two sizes
2.6m
3.6m



Description	Part No
Matesaver - 2.6m	LBU0420
Matesaver - 3.6m	LBU0425

KIM RESCUE SLING

Rescue sling utilising a lifting strop with 36 metres of floating yellow line. Simple instructions are printed on both sides of the PVC bag to assist with its simple operation. The bag has been designed so that it can be easily fitted to the guardrail. Available in a white or yellow valise.

- Features:
- Easy to mount
 - 36 metre floating line
 - Utilising a helicopter lifting strop
 - Retro reflective tape



Description	Part No
Yellow case	LBU0147
White case	LBU0145

TREM LINE (THROWING STROP)

Allowing increased accuracy in any under and over arm heaving line throw, this sock like package also provides a compact way to store 20 metres of buoyant line on-board. Available with or without a bracket, the design allows easy repacking.



Description	Part No
Trem line without bracket	SAF0025
Trem line bracket only	SAF0027

SB RESCUE SLING

- Features:
- Quick and easy to use
 - The rescuer remains safely onboard the vessel, or ashore
 - After use, can be re-armed in less than 30 seconds
 - Telescopic handle gives an effective reach of up to 4.5 metres
 - One-person operation
 - Lightweight (3kg)
 - Needs no maintenance, and only routine inspections



Description	Part No
SB MOB rescue sling	LBU0430

STANDARD LIFEBOUYS

Rugged design for all applications.

Features:

- Made from hard cross linked polyethylene
- MED Ship’s Wheel approved (30” only)
- Available in two sizes -
30”(76.5 cm - MED) or
24” (57 cm - non MED)

Description	Part No
30" 2.5kg orange (inc retro tape)	LBU0050
30" 4kg orange (incl retro tape)	LBU0055
57cm orange (not MED & no retro tape)	LBU0060



SOS 400 LIFEBOUOY HOUSING

Providing immediate access to lifesaving equipment this lifebuoy housing unit contains many unique features including:

- Throwing line built in with length of 25 metres
- Sturdy legs
- GRP to prevent corrosion
- Design is aesthetically pleasing with added benefits of advertising opportunities



Individual component information		
Description	Dimensions (cm)	Part No
Lifebuoy housing with doors	93 x 22	LBU0070
Fibreglass legs and feet	0	LBU0072
Railing mounting clamps (x4)	-	LBU0091
Sign board	30x 75	LBU0076
Signage clamps (x4)	-	LBU0078

OCEAN RESCUE LINE

Features

- For 24” or 30” lifebuoys
- Contains 20 m / 30 m of line
- Fits inside a lifebuoy
- Opaque colour for longer rope life

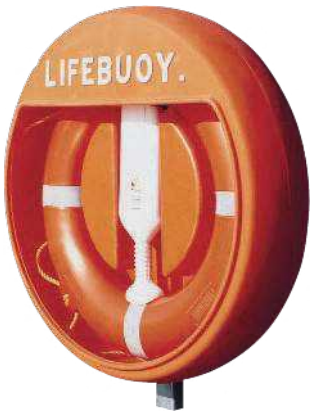


Description	Part No
For 24" lifebuoy (20 m of line)	LBU0096
For 30" lifebuoy (30 m of line)	LBU0094

LIFEBOUOY HOUSING

High visibility lifebuoy housing with rail, wall or pole mounted options.

Centre boss provides stowage for up to 50m of line or an Ocean Rescue Line Unit.



Description	Part No
30" lifebuoy housing	LBU0088
- option of door (for 30" housing)	LBU0089
24" lifebuoy housing	LBU0090
- option of door (for 24" housing)	LBU0087
Cabinet rail mount brackets (x3)	LBU0091
Lifebuoy cab pole c/w base plate	LBU0092
Lifebuoy cab long pole (no plate)	LBU0093

BUOYANT HEAVING LINE

Sold by the metre or as a 30 metre line with clip. This 8mm floating heaving line is suitable for lifebuoy and life ring attachments.



Description	Part No
Orange 30m floating line comes with clip	LBU0063
Orange floating line per meter (no clip)	LBU0065

LIFEBOUOY ACCESSORIES



Snatch grips



Lifebuoy stainless steel bracket



Lifebuoy bracket triangle (Y)

Description	Part No
Snatch grips (pack of 3)	LBU0067
Lifebuoy bracket - triangle (Y)	LBU0105
Lifebuoy stainless steel bracket	LBU0068

APOLLO COMPACT LIFEBUOY LIGHT



Features:

- Light – Output 2 Candela minimum
- Light – Duration 2 hours min
- Light – Type flashing LED
- Supplied with 1m long lanyard
- Storage life 5 years
- Drop height 76 metres
- Weight – Nominal 115 grams
- Activation automatic via pull cord

Description	Part No
OS Apollo compact lifebuoy light	LBU0285

APOLLO LIFEBUOY LIGHT



Features:

- SOLAS/MED approved
- Five year life. No maintenance or replacement batteries are required
- Compact size
- 76 metre drop height, exceeding SOLAS requirement
- Easy fitting
- LED technology
- Exempt from Class 9 transport requirements

Description	Part No
OS Apollo lifebuoy light	LBU0280

STANDARD LIFEBUOY LIGHT



Standard inexpensive lifebuoy light with a clear polycarbonate lens.

Features:

- MED Ship's Wheel approved
- 8 hour durability
- Lanyard attachment point
- Requires 4 x D-Cell batteries

Description	Part No
Std lifebuoy light	LBU0205

L90 LIFEBUOY LIGHT



The L90 uses five alkaline batteries, offering a life of one year. Robust and reliable, the L90 is automatically activated after release. The L90 is supplied complete with a 2.5m lanyard.

Features:

- Fully MED approved
- IMO SOLAS approved

Description	Part No
L90 lifebuoy light	LBU0266
Bracket	LBU0267

L160 LIFEBOUY LIGHT



The L160 replaces the well established L41B and L120 Lifebuoy lights.

Features:

- SOLAS/MED approved
- Five year life
- No maintenance or replacement batteries are required
- Compact size
- 76 metre drop height, exceeding SOLAS requirement
- Easy fitting
- LED technology
- Exempt from Class 9 transport requirements

Description	Part No
L160 lifebuoy light	LBU0262

L161 ATEX LIFEBOUY LIGHT



Features:

- SOLAS/MED approved
- ATEX/IECEx approved
- ETL listed
- Intrinsically safe, for use in ALL potentially explosive zones
- Five year life
- No maintenance or replacement batteries are required
- Compact size
- 76 metre drop height, exceeding SOLAS requirement
- Easy fitting
- LED technology
- Exempt from Class 9 transport requirements

Description	Part No
L161 lifebuoy light	LBU0268

L162 USCG & L163 USCG
INTRINSICALLY SAFE LIFEBOUY
LIGHT



Features:

- USCG approved
- SOLAS/MED approved
- ATEX/IECEx approved *
- ETL listed *
- Five year life
- LED technology
- No maintenance or replacement batteries are required
- 76 meter drop height, exceeding SOLAS requirement
- Intrinsically safe, for use in ALL potentially explosive zones*
- Exempt from Class 9 transport requirements

*L163 only

Description	Part No
L162 lifebuoy light	LBU0269
L163 Intrinsically safe lifebuoy light	LBU0271

L16X ADAPTER PLATE



- To ensure that previous models of our lights can be replaced with more ease we have designed a mounting/adapter plate.
- With our new mounting plate there is no need to drill new holes or change fittings. Our new mounting plate allows the use of the existing fixings from your L90, L120, L41B or L40 lifebuoy light. Simply remove the old mounting bracket and use the same fixings to affix the mounting plate, then, with the stainless steel screws provided, affix the new L16x lifebuoy light – simple!

Description	Part No
L16x Adapter plate	LBU0264

2020 MK2

Two point, fall arrest harness, with 3 bar slide and rectangular link, leg and chest connections. The MK2 version incorporates alloy rings to interconnect shoulder and chest straps. Has adjustable length shoulder straps with a 3 bar buckle to ensure the chest strap is positioned over the sternum area.

Material Specification

Polyester webbing with heat treated zinc plated carbon steel fittings and anodized black alloy rings.

Attachment Points

Rear fall arrest dorsal "D" ring and frontsternum fall arrest "D" ring

Standards

EN361:2002



Description	Part No
2020 MK2 Harness	HAR3000

2020 RESCUE

Two point, fall arrest harness, with 3 bar slide and rectangular link, leg and chest connections. Adjustable length shoulder straps with a 3 bar buckle to ensure the chest strap is positioned over the sternum area. Includes an overhead rescue attachment.

Material Specification

Polyester webbing with carbon steel, heat treated and zinc plated metal fittings

Attachment Points

Rear fall arrest dorsal "D" ring, front sternum fall arrest "D" ring and overhead rescue attachment "D" ring

Standards

EN361:2002, EN1497:1996



Please call our sales team for more information.

EXOFIT XP

Features

- High end harness - ultimate in comfort and safety
- Complete with removable shoulder, back and leg padding
- Breathable 3-D mesh lining
- X shaped no tangle donning
- Stand up back D ring for easy connections
- Quick release buckles ensure that it is fast and efficient for every day use
- Available sizes : S, M and L



Description	Part No
ExoFit XP	HAR2375

MILLER R5 REVOLUTION PREMIUM R5

Features

- Raw material: Polyamide webbing
- Width: 45mm
- Raw material: stainless steel
- Fast release buckles
- Raw material: galvanised steel
- Weight: approx. 0.5 kg
- Breaking Strength: > 15 KN
- Temperature: -30°C to +50°C



Description	Part No
Size S/M	HAR4001
Size L/XL	HAR4002
Size XXL	HAR4003

CHUNKIE 100 TAILS

Single leg lanyard suitable for arresting potential falls. The lanyard incorporates a 'tear-web' energy absorbing pack.

Material Specification

11 mm kernmantle rope with a polyester tear-web energy absorber covered in a PVC shrink sleeve.

Attachment Points

Steel screwed 'tri-link' on the energy absorber and a steel captive eye screwgate karabiner on the other end

Size / Length

1m

Standards

EN355:2002



Please call our sales team for more information.

CHUNKIE 150 TAILS

Single leg lanyard suitable for arresting potential falls. The lanyard incorporates a 'tear-web' energy absorbing pack.

Material Specification

11mm kernmantle rope, with a polyester tear-web energy absorber covered in a PVC shrink sleeve

Attachment Points

Steel screwed 'tri-link' on the energy absorber and a steel captive eye screwgate karabiner on the other end

Size / Length

1.5m

Standards

EN355:2002



Description	Part No
Chunkie 150 lanyard	HAR3005

CHUNKIE 200 TAILS

Twin legged lanyard suitable for arresting potential falls. The lanyard incorporates a "tear-web" energy absorbing pack.

Material Specification

11mm kernmantle rope, with a polyester tear-web energy absorber covered in a PVC shrink sleeve and a stainless steel ring inter-connection

Attachment Points

Steel captive screwgate karabiner on the energy absorber and a large aluminium double action snaphook on each leg

Size / Length

2m

Standards

EN355:2002



Please call our sales team for more information.

LIFEJACKETS WITH INTEGRATED FALL ARREST HARNESS

Ocean Safety can provide alternative lifejackets should fall arrest harnesses be required.



Please call our sales team for more information.

S-CAPE MK VI OFFSHORE ESCAPE DEVICE

The mark VI provides an easy and versatile means of controlled descent from offshore installations such as platforms, Tankers, drill rigs, etc in the event that an emergency escalates to a point where the standard evacuation systems can no longer be used.

Subject to there being no damage to the sealing system, the offshore S-Cape requires no servicing during its 9 year life span. A simple once every 12 month inspection which can be performed by a person trained to Offshore S-Cape Mk VI User level means there is no need for the equipment to leave the installation.

Description	Part No
S-Cape Mk VI escape device	SAF8100



PRO POSITIONING BELT

Features

- Comfortable and light, this belt can be used with any positioning lanyard in the PRO range
- Two D rings on the belt cushioned back pad
- 4 rings to carry accessories
- Available sizes : S, M and L



Description	Part No
Pro Positioning Belt - small	HAR2300S
Pro Positioning Belt - medium	HAR2300M
Pro Positioning Belt - large	HAR2300L

TRIPOD CONFINED SPACE ENTRY SYSTEM

Constructed in a lightweight tubular aluminium with a rugged steel head assembly.

Features

- Can be combined with a variety of pulleys, winches and fall arrest devices
- Ideal to meet a wide range of confined space entry/retrieval/rescue requirements
- 4 anchorage points - allowing it to be used as a retrieval system, fall arrest and rescue equipment
- Max load 500kg
- Weight 14.5kg



Please call our sales team for more

SHOCK ABSORBING LANYARD

Complete with 2 x AJ 501 screw gate karabiners.
Various versions available.



Please call our sales team for more information.

SANCHOC ENERGY ABSORBER LANYARD

The Sanchoc's main component is a rip strap ensuring energy dissipation in the event of a fall.

- Sanchoc lanyards prevent the wearer being subjected to forces greater than 6kN during a fall
- Strength greater than 1500daN
- Available in a range of lengths and connectors



HONEYWELL LANYARD

Tie-Back Forked webbing lanyard

- 1,5M
- Shock absorber
- 4 loops
- 3 captive eye karabiners 18mm
- Twin webbing



OCEAN SAFETY SAIL TRAINING TRIPLE Y LANYARD

Features

- Developed in conjunction with the AB103 Marine Fall Arrest to overcome difficulties in moving around vessels
- Conforms to BSEN1095
- Adjustable between 1.8m and 0.2m



Description	Part No
Triple Y lanyard	HAR2016

Please call our sales team for more information.

FALCON ATEX 480

Technical Description External
Housing : High-impact resistant nylon
Hub : Heat-treated aluminium
Cable : Ø4.5mm stainless steel

Connectors
Karabiner:
Raw material: zinc plated steel
Opening: 17mm
Breaking strength: >2500daN

Snap hook:
Raw material: zinc plated steel
Opening: 19mm
Breaking strength: >2000daN
EN 362

Dimensions
Length : 255mm Width : 213mm
Thickness : 101mm
Opening : 17mm

Performance
Working Capacity (m) : 10m
Breaking Strength : >1200daN
Weight (kg) : 5kg
Operating Temperature : -30°C to +50°C



Description	Part No
Miller Falcon ATEX	HAR4105

FALCON SELF RETRACTING LIFELINE

Technical Description External
Housing : High-impact resistant nylon
Hub : Heat-treated aluminium
Cable : Ø4.5mm stainless steel

Connectors
Karabiner:
Raw material zinc plated steel
Opening: 17mm
Breaking strength: >2500daN
EN 362

Snap hook:
Raw material: zinc plated steel
Opening: 19mm
Breaking strength: >2000daN
EN 362

Dimensions
Length : 255mm Width : 213mm
Thickness : 101mm
Opening : 17mm

Performance
Working Capacity (m) : 6,2m
Breaking Strength : >1200daN
Weight (kg) : 4.1kg
Operating Temperature : -30°C to +50°C



Description	Part No
Miller Falcon self-retracting lifeline	HAR4100

RETRACTABLE FALL ARREST DEVICE

A range of self-retracting fall arresters in lengths of 1.65 to 60m. They are easy to handle, very resilient and offer a great amount of freedom and movement together with safety.

Nano-Lok

Safer than a lanyard with reduced clearance needed. Compatible with a shoulder and foot level connection.

- Extremely compact and lightweight 725g
- 141KG Weight Capacity
- Auto quick activating arrestor
- Retractable lifeline
- Swivelling anchorage loop
- Impact resistant housing



Please call our sales team for more information.

PETZL VERTEX HELMET

With its strong chin strap, the VERTEX VENT helmet sets the standard in head protection for workers at height.

- Six-point webbing suspension system conforms to the shape of the head for improved comfort. Shock absorption achieved through deformation of the outer shell.
- CenterFit adjustment system ensures centering and optimal stability of the helmet on the head
- Ventilation holes with sliding shutters allow the ventilation to be adjusted as needed from the outside
- Side slots for mounting hearing protection
- Inserts for accepting a VIZIR face shield
- Slot for mounting PIXA headlamp
- Four clips for mounting a headlamp with an elastic headband

Chin strap designed to limit risk of losing helmet during a fall (strength greater than 50 daN)



| FIRE SAFETY



FLAMEGUARD PLUS & BLAZE BUDDY SUIT



SOLAS and MED approved Marine Fireman’s suit comprising helmet, jacket, trousers, fireman’s gloves, fireman’s boots and optional non-conductive gloves.

Fireman’s Gloves leather: Leather gloves with Kevlar insert and cuff. Heat resistant, slash and puncture resistant. Weight 0.5kgs

Fireman’s Boots: Fire resistant wellingtons, made in fireproof nitrile rubber with polymer toe cap and composite anti-perforation mid-sole. Weight 2.5kgs

Helmet: The ProBuddy helmet is constructed in flame retardant high temperature copolymer plastic. For more information see following page.

Optional Non-Conductive gloves: Electrically insulating to 500 volts working, tested to 25000 volts AC. Weights 0.1kgs



The **BlazeBuddy** suit is a two-piece garment with a **two-layer** construction. The outer shell uses a fire resistant substrate as a base laminated to an aluminised film optimised for the marine salt water environment. The jacket has a stand up collar, overlapping front with touch and close fastening to the front and collar. The trousers have wide elasticated braces with adjusters and quick-release buckles. Weight 4.5 kgs

The **Flameguard Plus** suit is a two-piece garment with a **three-layer** construction. The outer shell uses a fire resistant substrate as a base laminated to an aluminised film. There is a central thermally insulating layer with a fire resistant lining. The jacket has a stand up collar, overlapping front with touch and close fastening to the front and collar. The trousers have wide elasticated braces with adjusters and quick-release buckles. Weight 4.5kgs.

Description	Part No
Blaze Buddy Complete suit - Two layer	FIR3240
Blaze Buddy Trousers - Two layer	FIR3250
Blaze Buddy Jacket - Two layer	FIR3245

Description	Part No
Flameguard Plus Complete suit - Three layer	FIR3150
Flameguard Plus Trousers - Three layer	FIR3160
Flameguard Plus Jacket - Three layer	FIR3155

Description	Part No
Firemans gloves - Electrical MED one size	FIR3135
Firemans gloves - Leather MED one size	FIR3137
ProBuddy Helmet MED - one size	FIR3132
Flameguard Plus & BlazeBuddy Valise	FIR3165
Firemans rubber boots - MED - (size 6-12)	FIR3210

FIRE BUDDY PLUS SUIT



Fireman’s Gloves leather: Leather gloves with Kevlar insert and cuff. Heat resistant, slash and puncture resistant. Weight 0.5kgs

Fireman’s Boots: Fire resistant wellingtons, made in fireproof nitrile rubber with polymer toe cap and composite anti-perforation mid-sole. Weight 2.5kgs

Helmet: The ProBuddy helmet is constructed in flame retardant high temperature copolymer plastic. For more information see following page.

Optional Non-Conductive gloves: Electrically insulating to 500 volts working, tested to 25000 volts AC. Weights 0.1kgs



The **FireBuddy Plus** Suit is a two-piece garment with a **four-layer** construction. The outer shell is aramid. The second layer is a waterproof breathable membrane. The third layer is a meta-aramid/para-aramid felted thermal barrier and the fourth layer is a modacrylic/Lenzing lining. The jacket has a stand up collar, elasticated cuffs, and is closed by a zip covered by an overlapping front with touch and close fastening to the front and collar. The trousers have wide elasticated braces with adjusters and quick-release buckles. Optional fire resistant retro reflective tape can be fitted to the wrists, hem and ankles. Optional radio and thigh pockets can be fitted as well.

- Excellent resistance to heat contact, heat flow, fire
- Excellent resistance to chemicals : fuels, oils, greases, solvents, weak and diluted acids.
- Excellent resistance to abrasion and cuts

Description	Part No
Fire Buddy Plus Complete suit (without retroreflective tapes and pockets)	FIR3170
Fire Buddy Plus Complete suit (with retroreflective tapes and pockets)	FIR3185

PALM BUDDY GLOVES



Designed to give a comfortable and flexible feel while maintaining the high degree of protection required by EN659:2003+A1. The PalmBuddy gloves have a waterproof, breathable lining which also enhances the chemical resistance. Protection against penetration and cuts is provided by the Kevlar lining.

Tested and approved to EN659:2003 +A1 and Marine Equipment Directive (MED) 96/98/EC as modified

PRO BUDDY HELMET MED



- The ProBuddy helmet is constructed in flame retardant high temperature copolymer plastic and has the following features,
- Extreme temperature resistance (up to 1000°C in a 10 second flash over flames).
 - High Resistance to mechanical impacts.
 - Electrical insulation capacity E2/E3.
 - Effective visibility achieved by reflective tape for optimal use in specific conditions.
 - Nomex 3 point chinstrap (tested to prevent skin irritation)
 - Height-adjustable interior fitting adjustable from inside of shell
 - Integrated adjustment system (52-64 cm)
 - Wide range of accessories
 - High tech materials
 - High tech polymer
 - Anti-scratch and anti-fog coated external visor to EN 14458:2004

S-CAP AIR



- This compressed-air emergency escape device provides 15 minutes of life-saving respiratory protection in extremely toxic or oxygen-deficient environments.
- Featuring fast, automatic activation
 - Fluorescent protective carrying bag
 - Three litres of 200 bar compressed air
 - Ideal for use on ships, off-shore oil rigs, refineries, water utilities and confined spaces.



DRAGER PANORAMA NOVA

The Panorama Nova full-face mask has been successful in the market worldwide for decades and provides reliable and secure protection. In combination with a compressed air breathing apparatus or rebreather it is used as a tried and tested face piece by firefighters and in mining. Available in EPDM or silicone mask body.



Description	Part No
Panorama Nova EPDM version	FIR5150

DRAGER PA94 PLUS

The PA94 Plus breathing apparatus is a streamlined, lightweight design, ideal for use when working in environments where smoke or toxic gases are present, or where there is a lack of oxygen.

Cylinders available in either steel or Carbon composite.
Mask sold separately



Description	Part No
PA94 Plus	FIR5100

DRAGER PARAT® 5520 SMOKE HOOD

The Dräger PARAT® C fire escape hood is designed to help you escape fire safely by filtering out toxic smoke and fumes allowing you to breathe safely for at least 15 minutes.



Description	Part No
Drager 5520	FIR6000

DRAGER COMPRESSED AIR CYLINDERS

Dräger offers a complete range of 200 bar and 300 bar steel and composite cylinders. Sizes range from 4L 200bar to 9L 300 bar with a choice of cylinder valves.



Size	Bar rating	Cylinder type	Part No
6 Lt	200	Steel	FIR5253
9 Lt	200	Steel	FIR5255
9 Lt	200	Composite	FIR5250

SABRE SIGMA 2

The Sigma 2 is a low cost SCBA set designed to provide a simple and effective solution for use in industry, shipping and other non-firefighting environments.

Features

- Proven high performance pneumatic system
- Compact first breath activated demand valve with bypass
- Ergonomically designed lightweight backplate and harness
- Flame retardant webbing with Kevlar cylinder band
- Corrosion resistant Nickel plated components



Description	Part No
Sigma 2 backplate & mask (no cylinder)	FIR4010
30 min steel cylinder (6lt 200bar)	FIR4100
30 min carbon cylinder (4.7lt 300bar)	FIR4105

ELSA ESCAPE BREATHING APPARATUS

Worlds leading constant flow escape sets from smoke, gas and chemical spill.

Features

- Especially designed features such as a separate cylinder and pressure reducer
- The hood can be worn over glasses
- Pressure indicator
- Locking hand wheel
- Flame retardant and specifically designed neck seal



Description	Part No
ELSA 10-B (10 min)	FIR4900
ELSA 10-J (10 min)	FIR4905

MED APPROVED EXTINGUISHERS

A range of stored pressure, foam, powder and CO₂ standard industrial and MED Ship's Wheel approved fire extinguishers are detailed below :



Description	Rating	Part No
Stored Pressure		
9L water (MED approved)	13A	FIR0600
Foam		
2L foam (not MED)	5A 34B	FIR0750
6L foam (MED approved)	13A 144B	FIR0760
9L foam (MED approved)	21A 183B	FIR0640
Powder		
4kg Powder (MED approved)	21A 113B	FIR0720
6kg Powder (MED approved)	27A 144B	FIR0730
9kg Powder (MED approved)	43A 233B	FIR0740
CO ₂		
2kg Alloy (not MED)	34B	FIR0780
5kg Alloy (MED approved)	75B	FIR0790
5kg Steel (MED approved)	TBC	FIR0650

GLORIA STANDARD AND SHROUDED EXTINGUISHERS

Gloria Powder extinguishers can be used on most types of fires including solid combustibles, flammable liquids and gases as well as electrical fires.



Description	Rating	Part No
Gloria Standard		
1kg Powder	8A 34B	FIR0560
2kg Powder	13A 89B	FIR0565
Gloria Shrouded		
1 kg Powder (refillable)	8A 34B	FIR0580
2kg Powder (refillable)	13A 89B	FIR0585

TROLLEY FIRE EXTINGUISHERS



These simple to use and easy to move trolley fire extinguishers come built in with a handle. Available in a 45L foam, 50kg powder or a CO₂ version.

Description	Part No
45L Foam (MED approved)	FIR0805
50kg Powder (MED approved)	FIR0820
CO ₂ 22g (Wheeled)	FIR0830

SOS601 SAFETY STATION



Front view



Back view

Description	Part No
SOS601 station (1m pole)	CAB9000
SOS601 station (1.5m pole)	CAB9010

Ocean Safety supply a wide range of fire accessories. For bespoke equipment enquiries please call our sales team for more information. Please visit the Ocean Safety website for detailed descriptions of the 4 requirements for commercial hoses and the quote request system.

HOSES

A variety of hoses are available in numerous different lengths. They can be supplied alone or fitted with couplings.



COUPLINGS & ADAPTERS



TUBES & BARREL PIPES & STAND PIPES



HYDRANT & COUPLING SPARES



TALLY BOARDS

Designed to allow the simple tracking of breathing apparatus.



Description	Part No
4 Tally	FIR4500
12 Tally	FIR4510

LEVER OPERATED JET SPRAY NOZZEL



Part No
FIR6545

FIRE HYDRANTS



FIREFIGHTING EQUIPMENT CABINET



The fire equipment cabinet can be used to store 2 x firefighters clothing and breathing apparatus on the internal shelves.
The cabinet is Lloyds Register type test approved and is also IP56 rated for excellent weather protection.

TOUGHSTORE IMMERSION SUIT AND LIFEJACKET CABINET



The storage container can be used to store approximately 4 immersion suits and 6/lifejackets (depending on type). The moulded Polyethylene container has a reinforced catch and seal, to help prevent against water penetration.

Lettering and signage can be applied to meet your requirements

Survival
Suits
Page 41

LARGE IMMERSION SUIT OR LIFEJACKET STORAGE



The chest can be used to store a larger quantity of lifejackets or survival suits.
This chest is Lloyds Register type test approved and IP56 rated for excellent weather protection.
The construction is 3-4mm nominal thickness GRP and has stainless steel hinges and an EPDM seal.
The cabinet specification can be altered to meet your requirements.

**We cater for all types and sizes of cabinet.
Get in touch with your requirements.**

Description	Dimensions (cm)	Weight (kg)	Part No
Fire fighter clothing and equipment			
2 x BA set and firefighting clothing	153 x 91 x 46	26	CAB0280
Immersion suit / lifejacket cabinets			
4 immersion suits/ 6-8 lifejackets	57 x 65 x 49.9	8	CAB0800
20 immersion suits/ 30 lifejackets	79 x 119 x 81	37	CAB0860
40 immersion suits/ 60 lifejackets	80 x 235.5 x 88.5	45	CAB0870
60 immersion suits/ 72 lifejackets	90 x 240 x 90	50	CAB0880

FIRE EXTINGUISHER, BREATHING APPARATUS & FIRE CABINETS



Firebird fibreglass extinguisher cabinets



Fire extinguisher Equipment storage



Breathing apparatus storage



Fire hose cabinet

Description	Dimensions (cm)	Weight (kg)	Part No
Firebird fibreglass cabinet			
1 x up to 9kg	73 x 44 x 28	9	CAB0400
2 x up to 9kg	73 x 59 x 28	14	CAB0440
Fire extinguisher equipment storage			
1 x up to 9kg	76 x 28 x 21	4	CAB0200
2 x up to 9kg	73 x 59 x 28	6	CAB0240
Fire hose cabinet			
1 x 20m fire hose	61 x 46 x 19	5	CAB0600
Breathing apparatus - 1 x 15 minute emergency escape			
	76 x 28 x 21	4	CAB0100

DRAGER X-AM 7000



Dräger X-am® 7000 is the solution for the simultaneous and continuous measurement of up to five gases. It is the ideal companion in a variety of applications where the reliable detection of oxygen, toxic and combustible gases and vapours are necessary.

Features

- Flexibility through sensor variety
- Integrated pump
- Easy detection of leakages
- Intelligent and interchangeable sensors
- Large graphic display
- Poison resistant ex-sensor
- Intuitive software functions
- Robust and watertight
- Data management
- Built for longevity
- Multiple alarms
- Size 15 x 14 x 7.5 cm
- Weight 6000g (approx)

HAND FIRE PUMP

This portable manual hand pump system is easy to use and designed to be acceptable for use on Code of Practise vessels.



Description	Part No
Complete kit	
Hand fire pump	FIR6500
Individual parts	
Fire pump only	FIR6507
Inlet assembly with strainer	FIR6505
Outlet assembly with hose and nozzle	FIR6509

FIREMANS TORCH

This rugged torch requires 2 x D cell batteries



Description	Part No
Firemans torch	SAF0610

INSULATED AXE

Designed with a steel head and shaft this axe comes complete with an insulated handle that has been tested to 20000V. It meets BS3054.



Description	Part No
Insulated axe	FIR3300

FIRE PLAN HOLDER



Picture for illustrative purposes only

Description	Part No
Fire plan holder	FIR9100

FIRE BLANKETS

COMPACT - fire blanket in a compact casing complete with mounting holes on the back of the case.
MCA fire blanket slim pack - Fire blanket in a long and thin casing providing quick and easy installation on most vessels, MCA compliant.



Type	Blanket size	Case size	Part No
MCA Slim Pack	1.8 x 1.2 m	34 x 18 cm	FIR0025
Compact	1.1 x 1.1 m	18 x 20.5 cm	FIR0022

SMOKE DETECTOR

Smoke alarm for bulkhead or roof mounting, comes complete with battery and hush button.



Description	Part No
Smoke alarm	FIR0360

FIREMANS SAFETY LINE

40m snaphook wire core safety line.



Description	Part No
40m	FIR3350
30m	FIR3355

NOMEX ANTI-FLASH HOOD

Hood set designed for flashover protection.



Description	Part No
Open face	FIR3370
Closed face	FIR3375

PYROTECHNICS

4 Year Life



All Hansson Pyrotechnic flares meet SOLAS requirements ensuring the highest level of reliability, simplicity and safety.

IKAROS MOB SMOKE/ LIGHT

Emits orange smoke for 15 minutes whilst dual lights operate at 2cd for 120 minutes.

SHIP'S WHEEL MED APPROVED



Features

- Available in smoke with lights or smoke only options
- Complete with stainless steel bracket
- 4.8Kg weight
- Dimensions of 20cm x 50cm.

4 Year Life

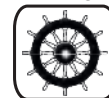


Description	Part No
Smoke with lights	FLR5200
Smoke only	FLR5210

IKAROS LINE THROWER

Robust self contained portable line throwing unit.

SHIP'S WHEEL MED APPROVED



Features

- Incorporates an integral rocket and igniter
- 300m of line.
- 4Kg weight
- Dimensions of 34cm x 23cm.

4 Year Life



Description	Part No
Linethrower	FLR5220
Spare rocket	FLR5230
Igniter	FLR5235

SINGLE HANDFLARES

With an average light intensity of 30000cd (10000cd for white), 40 seconds of burntime and weight of 235g .

SHIP'S WHEEL MED APPROVED



4 Year Life



Description	Part No
MCA Red	FLR5005
Leisure Red	FLR5505
White	FLR5510

PARACHUTE ROCKETS

Designed with an ejection height of 350m, these parachute rockets are available in different colours to highlight relevant messages. With a light intensity of appox. 30000cd, a 40 second burn time and a weight of 345g

SHIP'S WHEEL MED APPROVED



4 Year Life



Description	Part No
MCA Red	FLR5000
Leisure Red	FLR5500

HANDSMOKES

Created in the same style as the handflares with a slightly heavier weight of 345g, once activated there is approximately 60 seconds of orange smoke available in which to highlight your location.



Description	Part No
Orange handsmoke	FLR5515

PARA-ILLUMINATING ROCKETS

Upon activation the flare remains afloat producing orange smoke for 3 minutes to help illuminate your location. Original weight is 510g.

Features

- 350m height
- 10000cd illumination
- Low recoil
- 30 second burn time
- 4.8Kg weight

Description	Part No
Para-illuminating rocket	FLR5300



BRIDGE SET

Waterproof Poly bottles with a sealed ring top and 12 MCA Red Parachute Rockets.

Large Poly bottle

- Rubber seal on screw top
- Dimensions : 44H x 24W cm
- Capacity : 20 ltr
- Comes with grab handle

Description	Part No
Large Polybottle	SUR0199



BUOYANT SMOKE SIGNAL

Simply open the lid, pull the ring and throw the signal into the water. Upon activation the flare remains afloat producing orange smoke for 3 minutes to help illuminate your location.

Weight: 510g

Description	Part No
MCA	FLR5010
Leisure	FLR5520



DAY/ NIGHT SIGNAL

This single signal incorporates both a red flare for night time use and an orange smoke for the day. Flare lasts 20 seconds and the smoke 18 seconds.

Description	Part No
Day/Night signal	FLR5320



ODEO FLARE

Features

- Safe LED technology; No pyrotechnics or flames
- Visible from all directions simultaneously
- Projects over the the full hemisphere
- Multiple LEDs; more power; visibility and redundancy
- Over 5 hours of continuous use from one set of batteries
- Indefinite shelf life with battery changes – 14 year shelf life with supplied batteries
- Search and Rescue aircraft safe
- Five thousand hours mean time between failure
- 1 Odeo Flare = 600 hand held flares
- Safe to carry in your back-pack
- Electronic circuitry designed for optimum visibility
- Made from salt-water resistant materials
- Replacement battery available
- Approved for use up to 50m

Description	Part No
Odeoflare - LED	SAF0602



OCEAN SIGNAL ELECTRONIC FLARE EDF1

Features

- Advanced LED technology - safe operation
- Compact, rugged design
- Superb 360 degree visibility in the Azimuth
- Excellent visibility for aircraft and helicopter SAR
- Up to 6 hours battery life
- Constant brightness maintained throughout the life of the battery
- Four modes of operation plus SOS signalling
- Easy change replaceable battery
- Range up to 7 miles
- Waterproof to 10 meters
- Battery test function

Description	Part No
RescueME EDF1	SAF0595
EDF1 battery	EPI5110



WOLFLITE SAFETY HANDLAMP 251 LED

The Handlamp offers extreme robustness and reliability in harsh environments; the scratch and impact resistant lens is made from 6mm toughened glass and the body and lens ring are moulded in a highly resilient thermoplastic material to withstand drop and impact expected from heavy industrial use, even at sub-zero temperatures. The material is electrostatic non-hazardous, ensuring there is no risk of a dangerous build up of static charges and the enclosure is sealed to IP66, preventing the ingress of dust and sealing against water, except submersion.

ATEX approved this rechargeable lamp has been designed for hazardous conditions, mainly wherever a potential explosive atmosphere may occur.

- Gas zone: 1 and 2
- Dust zone: 21 and 22
- Power: Rechargeable
- Light: LED
- CE marked to ATEX Directive Explosive gas, vapour and mist certified for zones 1 & 2, up to T4 temperature
- LED light source gives increased light output and battery duration
- Robust anti-static thermoplastic lamp enclosure
- IP 66 ingress protection
- For use with C-251HV/LV chargers



Description	Part No
Wolflite handlamp	SAF0635
MK 2 charger	SAF0637
MK 12/24 charger	SAF0638

ATEX MARINE TORCHES

The ATEX safety torch is a reliable, simple and cost effective portable light and is available with a straight or right-angle body style and vacuum or xenon bulbs and is CE marked to the ATEX directive and IECEx certified for safe use in Zones 1 and 2 potentially explosive gas, vapour and mist atmosphere, where a T6 class permits, and zones 21 and 22 dust atmospheres, with certified maximum surface temperatures of 65-95 degrees C.



Description	Part No
Yellow ATEX right angle	SAF0610
Yellow ATEX torch	SAF0605

STANDARD SOLAS APPROVED TORCH

Standard SOLAS Approved torch, complete with a spare bulb.

- Features
- Waterproof
 - Ideal for everyday cabin use
 - Requires 2 x C Cell batteries



Description	Part No
SOLAS torch	SUR0015

SPOT LIGHT

Rechargeable high powered searchlight that comes complete with charging units for cigarette 12V and UK mains adapter.



Description	Part No
Spotlight	SAF0520

WATERPROOF MARINE TORCH

Especially designed for the marine industry this non-ferrous metal torch comes complete with a belt clip and carry case.

- Features
- Class 3 MCA Accepted torch
 - Requires 2 x D Cell batteries
 - Carries 2 spare bulbs in the base



Description	Part No
Waterproof marine torch	SAF0625

GREEN LIGHTSTICKS

Snap to activate lightsticks with at least 12 hours of emergency light, individually wrapped. Sold per stick.



Description	Part No
Per lightstick	SUR0105

ECHOMAX EM230 & EM230BR REFLECTOR

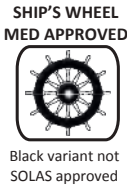
For vessels up to 15+ metres in length.
Max response 24m2. NATO SN 5840 99 742 6193

EM230BR Dimensions:
(H)605mm x (W)245mm
Fixing Centres: 545mm
Weight: 2.1kg
Fitting centres of 545mm make the EM230BR a direct replacement for the Firdell Blipper 210-7 with no need to alter existing mast mount brackets.

EM230 Dimensions:
(H)610mm x (W)245mm
Fixing Centres: 569mm
Weight: 2.3kg

Description	Part No
EM230BR Reflector - White	SAF3510
EM230BR Reflector - Yellow	SAF3515
EM230BR Reflector - Orange	SAF3520
EM230BR Reflector - Black*	SAF3525
EM230 S/S Bracket	SAF3550
EM230 BR Deck Bracket S/S	SAF3560

Description	Part No
EM230 Reflector - White	SAF3508
EM230 Reflector - Yellow	SAF3506
EM230 Reflector - Orange	SAF3502
EM230 Reflector - Black*	SAF3504
EM230 Deck Bracket S/S	SAF3558



ECHOMAX EM180

Designed specifically for smaller boats Echomax have ensured the largest possible array with the smallest possible polyethylene case. It can easily be attached to the mast, halyard or deck.

Dimensions:
(H)470mm x (W)197mm
Weight 1.4kg

Description	Part No
EM180 - White	SAF3600
EM180 - Orange	SAF3605
EM180 - Yellow	SAF3610
Mast brackets (set)	SAF3620



ECHOMAX EM230 BASEMOUNT

MKII for vessels between 5 and 12 metres in length. Bolts directly on to A frames or cabin roof. Available with optional navigation light. Max response 20m².

EM230 Basemount Dimensions:
(H)432mm x (W)245mm
Weight: 2.4kg

Description	Part No
EM230 Basemount - White	SAF3540
EM230 Basemount - Orange	SAF3542
EM230 Basemount - Black	SAF3544
EM230 Basemount Q-D Adapter	SAF3552



ECHOMAX EM230 BASEMOUNT 'COMPACT'

For vessels between 5 and 12 metres in length. Bolts directly to A frames or cabin roof. Optional navigation light available. Max response 8.3m².

EM230 Midi Basemount Dimensions:
(H)268mm x (W)245mm
Weight: 1.9kg

Description	Part No
EM230 Compact basemount c/w light	SAF3548
EM230 Basemount Q-D Adapter	SAF3552



ECHOMAX EM230i INFLATABLE RADAR

Deflates to pocket size. Maximum response of 25.6m² @+/-3° or average of 4.1m². Exceeds WCC, ISAF, and RORC offshore rules. A certified copy of the QinetiQ linear diagram is included for Race Scrutineers.

Inflated Dimensions:
(H)750mm x (W)300mm
Fixing Centres: 569mm
Weight: 413gms

Rod set not included.

Description	Part No
EM230i Inflatable reflector	SAF3565
EM230i & EMA03i Rod set	SAF3570



SINGLE BALL AND CONE

- Collapsible metal/plastic ball (31cm round) which can be used as the international day signal when anchoring
- Collapsible metal/plastic signal cone (47x32cm) used by boats under engine power



Description	Part No
Signal ball - metal	SIG0132
Signal ball - plastic	SAF0050
Signal cone - metal	SIG0135
Signal cone - plastic	SAF0055

ECHOMAX EMA03i INFLATABLE RADAR

SOLAS type approved inflatable radar reflector for liferafts. Suitable for stowage in liferaft emergency packs to 36m above sea level as required by IMO specification annexed to UK Merchant Shipping notice M.1485 1991, published by the Department of Transport Marine Directorate. NATO SN 5985 99 380 7258

Packed Dimensions:
(H)230mm x (W)305mm
Fixing Centres: 599gms
Weight: 413gms

Rod set not included.

Description	Part No
EMA03i Inflatable reflector	SUR0115
EM230i & EMA03i Rod set	SAF3570



PHOTOLUMINESCENT SIGNAGE

Ocean Safety can supply a wide range of signs, a selection of our most popular photoluminescent signs are listed below. Part numbers are listed below each sign.



4119jj

4108jj

4109jj

4102jj

4101jj

4102jj

4103jj



4105jj

4120jj

4104jj

4110jj

4118jj

4117jj

4116jj



4200jf

4201jf

4202jf

4203jf

4204jf

4205jf

4206jf

4207jf

4208jf

4209jf

4210jf

4211jf

4212jf

A wide variety of other signs are available in the following categories:

- IMO Life Saving Appliance symbols
- IMO Fire Control Symbols
- Fire Equipment signs
- Safety signs
- Prohibition signs
- Mandatory sign
- Hazard signs
- IMDG Hazardous substance signs
- Safety Training posters



MEDICAL EQUIPMENT AND FIRST AID KITS



We can quote for Cat A & B first aid kits as well as a full medical checklist upon request.

Category A

For vessels operating more than 150 miles from a port.

Category B

For vessels operating less than 150 miles from a port, but if within rescue service range the distance can be extended.

Category C

For vessels operating less than 60 miles from a port. This category includes lifeboats and commercial liferafts.

THE SUPPLY OF MEDICAL KITS AND SEA SICKNESS TABLETS

WHY DO YOU NEED TO COMPLY?

Changes and implementation by the Medicines and Healthcare products Regulatory Agency (MHRA) legislation, has meant that there is now a restriction on the supply of prescription only medicines, within the commercial and leisure marine industry.

WHO CAN BUY MEDICINES AND WHERE FROM?

Any END USER is able to purchase Category C medical kits and sea sickness tablets. These medicines can only be purchased from a certified organisation, with a valid Wholesale Dealers Licence (WDL) and a valid Good Distribution Practice (GDP) certificate.

WHAT PRODUCTS ARE AFFECTED?

This legislation is applicable to the sale of Category A, B & C medical kits and large volumes of sea sickness tablets.

HOW DO I STORE AND DISPOSE OF THESE MEDICINES?

Holders of a WDL are required to store medicines in a controlled environment however these regulations are not applicable to an END USER.

Medicines governed by this legislation must be disposed of in an approved manner. In general, they should be taken to a pharmacist or a holder of a WDL.



CODE OF PRACTICE CAT C FIRST AID KIT



A range of options complying with the CE Directive and MCA Code of Practice are available. These medical kits provide the necessary medical equipment for vessels requiring a Category C kit. Each kit contains multilingual instructions and comes in a resealable foil bag.

Description	Part No
Code of Practice First Aid Kit (boxed)	MED0130
Cat 'C' Kit in resealable bag	MED0100
Cat 'C' Kit boxed	MED0105
First Aid Box - empty	MED0125
First Aid at sea manual	MED0155

SHIP'S ADDITIONAL FIRST AID KIT



Cat "C" softpack
SOLAS approved.

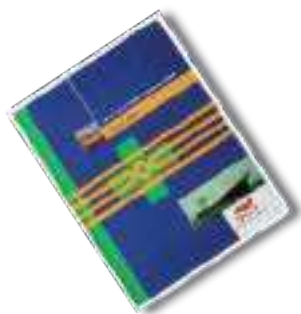
Liferaft SOLAS softpack
Not for use on UK flagged vessels

Designed for use on the bridge, in the gally and engine room. Supplied complete with carry case.

Description	Part No
Ship's Additional Kit	MED0080
Cat C Softpack	MED0100
SOLAS softpack	MED0090

SHIP CAPTAIN'S MEDICAL GUIDE & ST JOHN'S FIRST AID MANUAL

Essential, simple and illustrated manuals to assist in the diagnosis, treatment and prevention of a wide range of wounds and injuries.



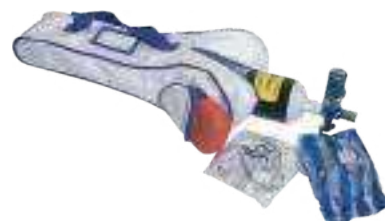
Description	Part No
Ship Captain's	MED0150
St John's	MED0157

OXYGEN THERAPY SET

This simple system can be used for administering either oxygen therapy or act like a resuscitation unit.

Features

- Weight 5kg
- Complete with a 270L cylinder
- A regulator, tube, face mask and case.
- Can be supplied empty for shipping.



Description	Part No
Oxygen Therapy Set - FULL	MED2200
Oxygen Therapy Set - EMPTY	MED2202

TYPE 200 RESCUE STRETCHER

Constructed from high density polyethylene complete with a supportive stainless steel outer rail (permanently attached to the stretcher) and a non absorbent foam mattress.

Features

- Size : 209 x 60 x 190 cm, Weight 14kg (approx)
- SWL : 250kg



Description	Part No
Type 200 Stretcher	MED0300
Lifting bridle	MED0305

NEIL ROBERTSON STRETCHER

Manufactured from high quality canvas and ramin slats for increased rigidity, this uniquely designed stretcher wraps around a casualty providing protection without bulk.

Features

- Size : 150 x 38 x 18 cm
- Weight : 8kg



Description	Part No
Neil Robertson Stretcher	MED0315

WATER MAKER

Using an energy recovery process these compact, reverse osmosis watermakers have a high production rate.



Description	Part No
Survivor 06	SUR0400
Survivor 35	SUR0405

BOAT HOOKS



Description	Part No
10ft Ash	SUR0163
Telescopic	SAF0110

DRINKING VESSELS

Clear plastic drinking vessels available in two sizes.



Description	Part No
50 ml	SUR0050
250 ml	SUR0055

WATER CONTAINER

Portable refillable water container available in two sizes.



Description	Part No
10 Litre	SAF0360
25 Litre	SAF0365

FISHING KIT

Complete with weights, hooks, lures and 12 metres of line, MCA approved for liferaft fishing.



Part No
SUR0070

TORCH

Waterproof, MED Ship's Wheel Approved torch.

- Comes with a spare bulb
- Ideal for everyday cabin use
- On/Off switch and morse facility
- Requires two C cell batteries (not included)



Part No
SUR0015

SEA SICKNESS TABLETS

Contains 60 tablets.



Part No
SUR0005

WHISTLE



Part No
SUR0165

LIFERAFT SURVIVAL MANUAL



Part No
SUR0110

BAILER



Part No
SUR0152

GLUCOSE RATIONS

Glucose rations are high in calorific content to aid survival whilst waiting for help to arrive.



- Quick release sugar sweets
- 3 year life expectancy

Part No
SUR0065

SPONGES



Part No
SUR0090

LIFEBOAT AXE

**Part No**

SUR0145

WATER RATIONS

Water rations for use in liferafts and lifeboats to aid survival whilst waiting for help to arrive.

- MED Ship's Wheel approved
- 4 x 125ml sachets (½ ltr total)
- Storage life of 5 years

**Part No**

SUR0040

FOOD RATIONS

Emergency food rations for use in liferafts.

- Designed for consumption with minimal water.
- MED Ship's Wheel approved
- 500g pack (10000Kj)

**Part No**

SUR0035

QUOIT & LINE

Quoit comes with 30m rescue line.

**Part No**

SUR0135

BUCKET

Three gallon plastic bucket.

**Part No**

SAF0350

SEA ANCHOR FOR LIFERAFTS

Sea anchor designed for a liferaft comes complete with 30 metres of line.

**Part No**

SUR0125

SEA SICKNESS BAGS

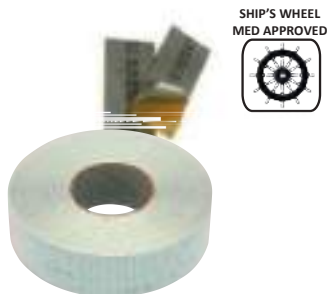
Seasickness bags, paper, sold individually.

**Part No**

SUR0181

RETRO-REFLECTIVE TAPE

MED Ship's Wheel Approved self adhesive tape.
Available by the metre or a roll of 45m long (5cm wide).

**Description****Part No**

Per metre

OSS6078

45m roll

OSS6030

SEA MARKER DYE

Available in 100g.

**Description****Part No**

100g

SUR0094

FOGHORN & CANISTER

Manual gas activated fog horn comes complete with canister with optional spare canister available.

**Description****Part No**

Complete

SAF0015

Spare canister

SAF0020

SOFTWOOD PLUGS

A range of different sized soft wooden plugs available in two packs.

Large



Small

**Description****Part No**

Small set

SAF0010

Large set

SAF0012

RACE RESCUE KNIVES

RRK knives developed for use on RIBs and rescue craft. These rescue knives have a fixed, stainless steel blade. The Nylon sheath ensures the knives are quick to hand in emergencies.

Blunt tip developed to prevent accidental puncturing.

Hook point tip designed to cut netting lines and sails quickly and efficiently.

Description	Part No
Blunt tip	GER0100
Hook tip	GER0150



SAFETY ACCESSORIES

FOG GONG

Fog gong and beater, both sold separately.



Description	Part No
41cm gong	SIG0100
Beater	SIG0105

HACKSAW & BLADES

12 inch hacksaw can be used to sever standard rigging. It is recommended that spare blades be carried.



Description	Part No
Hacksaw	SAF0075
Blades	SAF0080

HELIOGRAPH

Compact signalling mirror. Both MCA approved



Description	Part No
2"	SUR0025
4"	SUR0030

FLOATING KNIVES

Developed for use in and around inflatable structures these knives come with a rounded end.



Description	Part No
Fixed blade	SUR0076
Folding blade	SUR0078

WATERPROOF MATCHES



Part No
SUR0100

FOG TRUMPET



Part No
SAF0022

MANDATORY SEALED MEDICAL KITS

Specifically selected vacuum packed first aid kits for regulation compliance.

Cat "C"

Cat "C" softpack.

Part No
MED0100

SOLAS

Liferaft SOLAS softpack. For use on vessels outside of the EU.

Part No
MED0090



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