

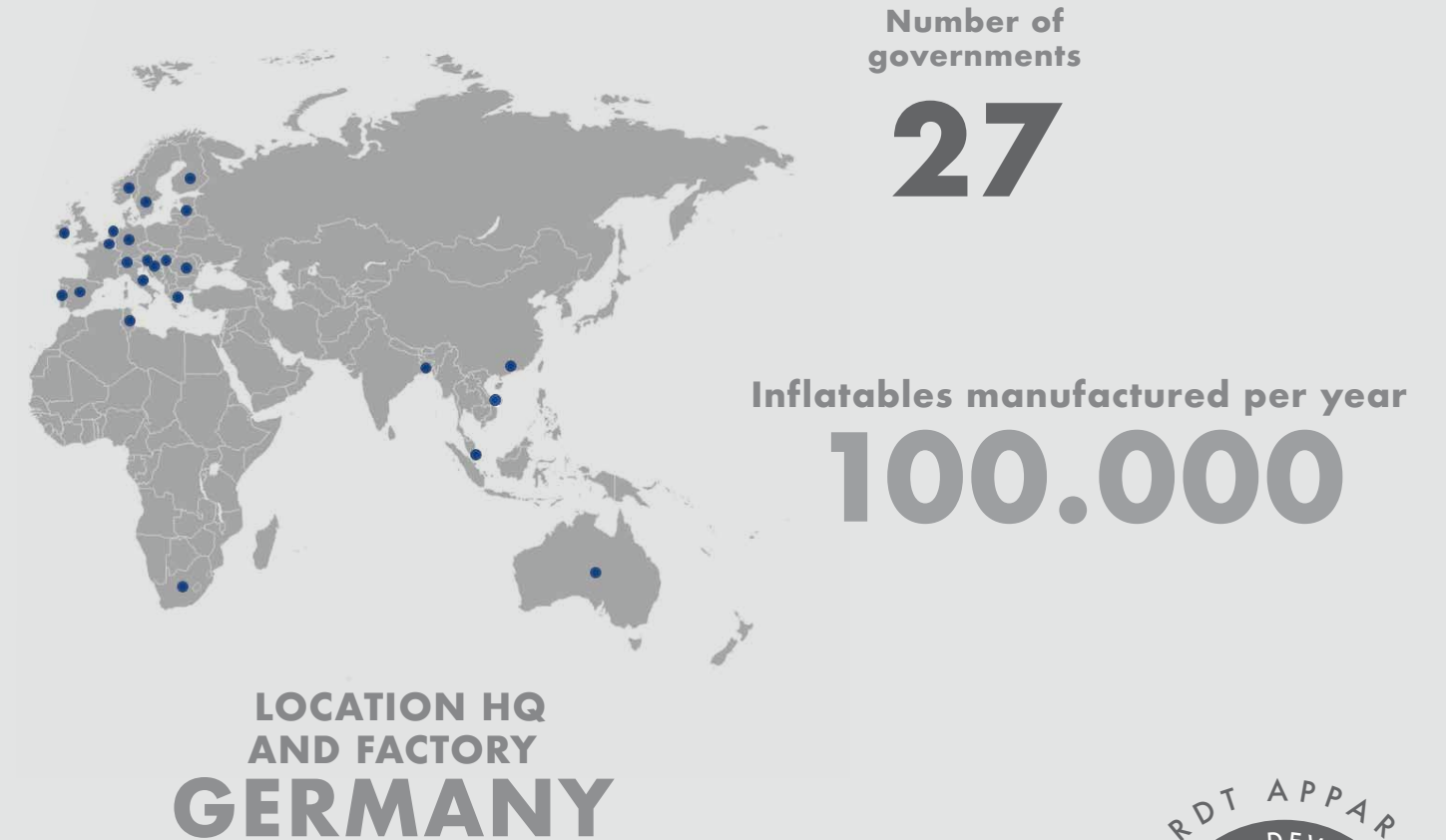
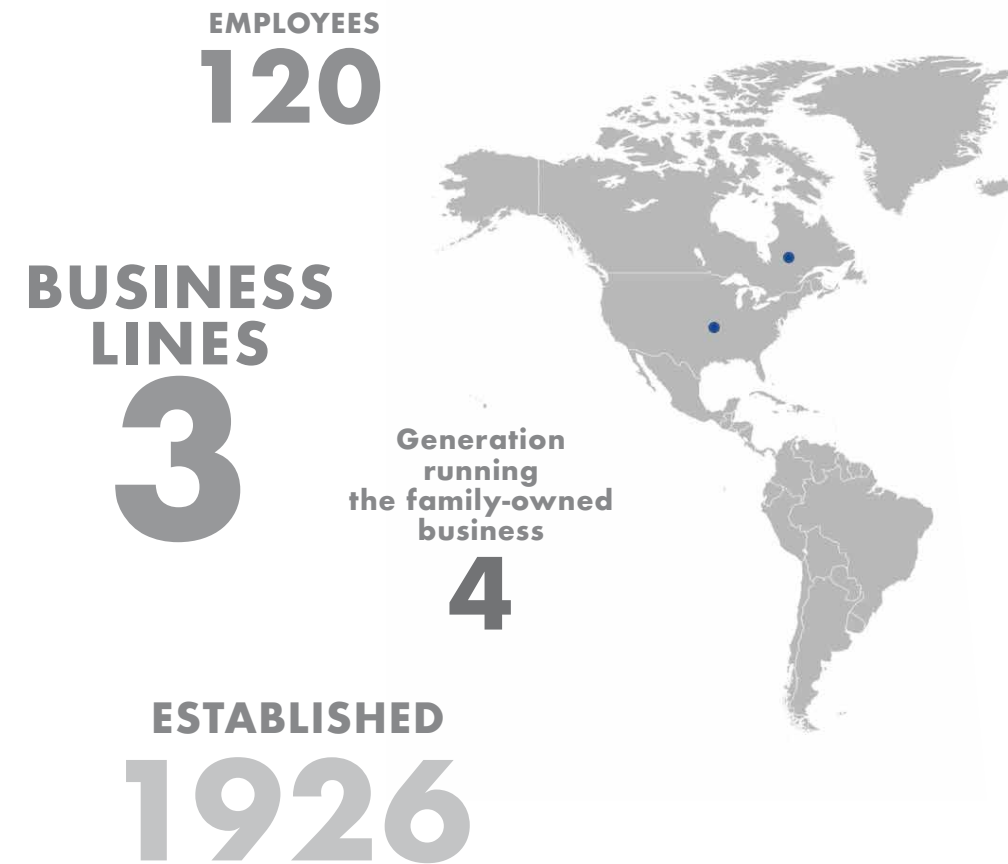


MILITARY

HAVE A **SAFE** DAY

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SIERRA TACTICAL



GENERAL INFORMATION

Type	SIERRA TACTICAL
Part No.	Various, depending on configuration. Please enquire.
Approval	For some configurations.
NSN	Various, depending on configuration. Please enquire.

- Tactical self-inflating lifejacket in a tough Cordura® cover, which can be used standalone or with a plate carrier.
- Winglet™ design buoyancy chamber with 300 N of buoyancy, ensuring fast surfacing even after massive immersion.
- Electronic multi-sensor inflation device SECUTRONIC supporting automatic mode with delayed inflation and manual-only mode. The modes can be toggled by operator during mission.

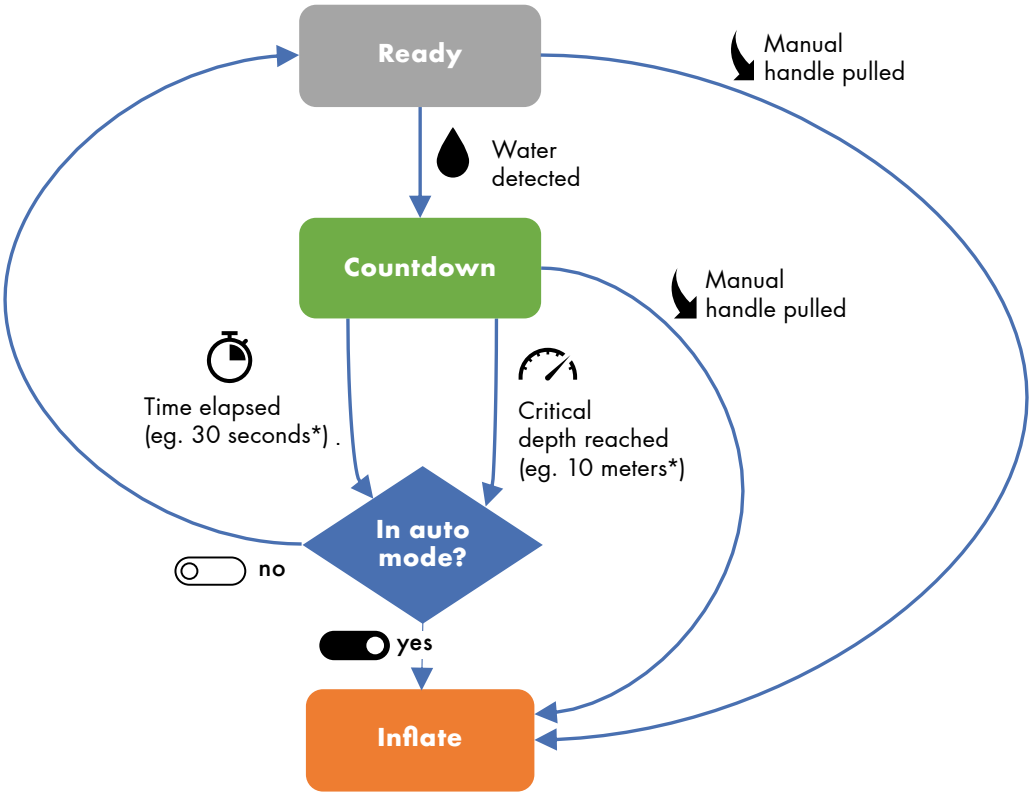
SECUTRONIC



GENERAL INFORMATION

- Smart electronic multi-sensor inflation device.
- Toggle easily between auto mode and manual-only mode without doffing.
- Defers inflation after water contact, allowing the operator to intercept.
- Also part of ACCESS and PACK BUOYANCY AID.

STATE DIAGRAM



*) Time and depth are configurable at the factory only.

SECUTRONIC SCENARIOS

CAPSIZED BOAT

1 Situation
Get started.

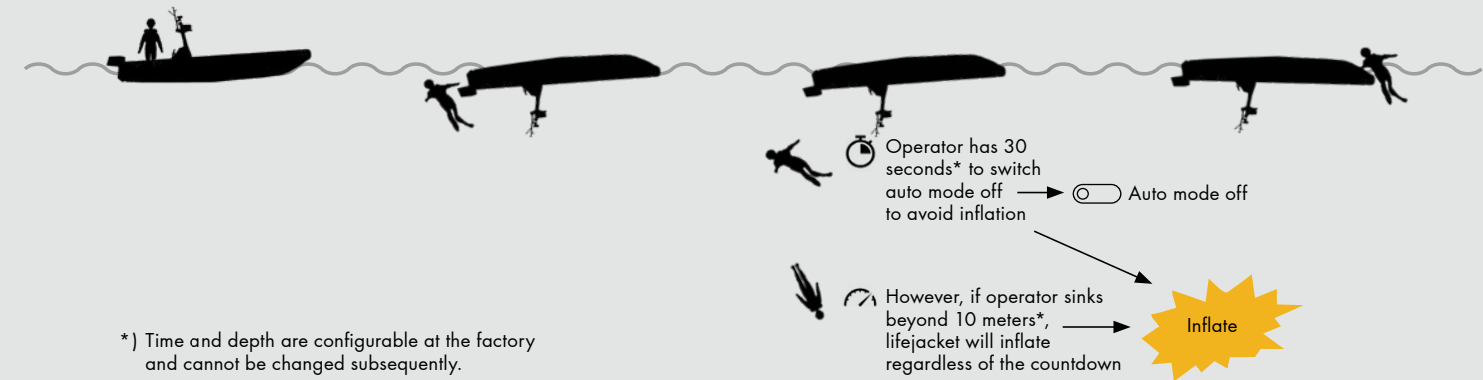
☒ Auto mode on

2 Complication
Boat capsizes, operator trapped under boat.

3 Mitigation
Switch off or let inflate.

4 Resolution
Recover boat.

☒ Auto mode on



*) Time and depth are configurable at the factory and cannot be changed subsequently.

MAN OVER BOARD

1 Situation
Get started.

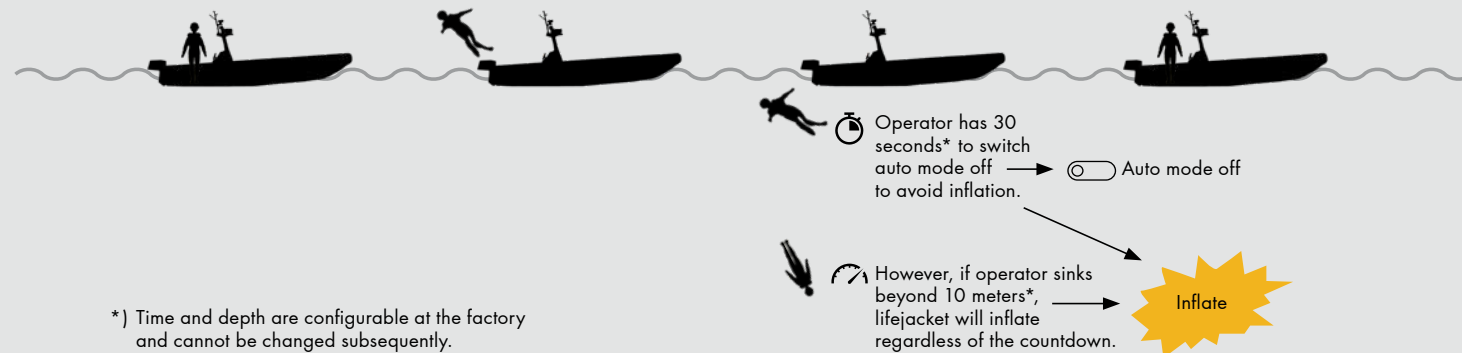
☒ Auto mode on

2 Complication
Man over board.

3 Mitigation
Switch off or let inflate.

4 Resolution
Continue with mission.

☒ Auto mode on



*) Time and depth are configurable at the factory and cannot be changed subsequently.

HELICOPTER BASED BOARDING

1 Situation
Get started.

☐ Auto mode off

2 Complication
Risk of falling overboard target vessel after fast roping down.

☒ Auto mode on

3 Mitigation
Switch off or let inflate.

4 Resolution
Continue with mission.

☐ Auto mode off



SIERRA SF



GENERAL INFORMATION

Type	SIERRA SF
Part No.	15987-01
Approval	n/a
NSN	4220-12-404-4141

- Self-inflating lifejacket for military special forces. Can be used standalone or with a plate carrier.
- Hybrid inflation device supporting automatic mode and manual-only mode. Operating mode can be toggled by user during mission – no pre-mission lock installation required.
- Easy donning and doffing due to optional connection of lifejacket and plate carrier.
- Olive SECUMAR Winglet™ buoyancy chamber with 295 N of buoyancy.

SIERRA BT



GENERAL INFORMATION

Type	SIERRA BT
Part No.	16809
Approval	EN ISO 12402-2 and EN ISO 12402-7
NSN	n/a

- CE approved, self-inflating lifejacket. Can be used standalone or with a plate carrier.
- Hybrid inflation device supporting automatic mode and manual-only mode. Operating mode can be toggled by user during mission.
- Easy donning and doffing due to optional connection of lifejacket and plate carrier.
- Orange SECUMAR Winglet™ buoyancy chamber with 295 N of buoyancy.

SIERRA 300



GENERAL INFORMATION

Type	SIERRA 300
Part No.	17405
Approval	EN ISO 12402-2 and EN ISO 12402-6
NSN	n/a

- Self-inflating lifejacket with an ergonomically shaped shoulder area for high wearing comfort.
- SECUMAR Winglet™ and Duo Protect buoyancy chamber with 300 N of buoyancy.
- PLB and lifejacket light optional.

SIERRA SERIES

	SIERRA TACTICAL	SIERRA SF	SIERRA BT	SIERRA 300
Inflator type	SECUTRONIC multi-sensor electronic; switchable	SECUMATIC 3005 pill sensor, switchable	SECUMATIC 3005 pill sensor, switchable	SECUMATIC 4001 pill sensor, non-switchable
Filling gas	75 g CO ₂	75 g CO ₂	60 g CO ₂	60 g CO ₂
Connectors for plate carrier shoulder straps	yes	yes	yes	no
Buoyancy chamber colour	different options available	dark green	orange	orange
CE type approval	yes, for some configurations	no	yes	yes

CONTRA 150 SF



GENERAL INFORMATION

Type	CONTRA 150 SF
Part No.	Various, depending on size and delivery scope. Please enquire.
Approval	EN ISO 15027-1
NSN	Various, depending on size and delivery scope. Please enquire.

- Very comfortable lightweight immersion suit.
- Can be worn over functional or thermal underwear suitable for the temperature.
- Ergonomic design, with elastic areas at the back and on the legs, allows freedom of movement. Robust enough for activities such as fast roping.
- Comes with a lined hood, a neoprene-hood, 3 pairs of gloves and a set of four detachable watertight pockets.
- Waterproof and breathable 3-layer GORE-TEX® laminate.



TSK ELEPHANT



GENERAL INFORMATION

Type	TSK ELEPHANT
Part No.	15683
Approval	EN 12628:1999
NSN	4220-12-383-8596

- Buoyancy compensator (160 N) with integrated emergency ascent device (400 N).
- Integrated rebreather mount.
- Maximum streamline, minimal drag.

MODULAR TACTICAL DIVING SYSTEM



GENERAL INFORMATION

Type	RCS, TSK 554
Part No.	15614, 17142
Approval	EN 1809
NSN	4220-12-412-8104

- RCS: Rebreather Carrying System.
- TSK 554: Buoyancy compensator with or without integrated emergency ascent device (215 N double chamber design).
- Modular lifejacket (manual-only).

MODULAR COLLAR



GENERAL INFORMATION

Type	1125
Part No.	17547
Approval	n/a
NSN	n/a

- Manual-only lifejacket collar.
- 295 N buoyancy.

CONFIGURATION VARIANTS

	Rebreather Mount	Buoyancy Compensator	Emergency Ascent Device	Scooter Connector	Climbing Harness	Lifejacket	Body Armor and MOLLE base
01	Plate Carrier	TSK 554	TSK 554	Jed Belt	Jed Belt	Lifejacket	Plate Carrier
02	Plate Carrier	TSK 554	TSK 554	Jed Belt	Jed Belt	n/a	Plate Carrier
03	Plate Carrier	TSK 554	TSK 554	n/a	n/a	Lifejacket	Plate Carrier
04	Plate Carrier	TSK 554	TSK 554	n/a	n/a	n/a	Plate Carrier
05	Plate Carrier	TSK 554-M	n/a	Jed Belt	Jed Belt	Lifejacket	Plate Carrier
06	Plate Carrier	TSK 554-M	n/a	Jed Belt	Jed Belt	n/a	Plate Carrier
07	Plate Carrier	TSK 554-M	n/a	n/a	n/a	Lifejacket	Plate Carrier
08	Plate Carrier	TSK 554-M	n/a	n/a	n/a	n/a	Plate Carrier
09	RCS	TSK 554	TSK 554	Jed Belt	Jed Belt	Lifejacket	Plate Carrier
10	RCS	TSK 554	TSK 554	Jed Belt	Jed Belt	n/a	Plate Carrier
11	RCS	TSK 554	TSK 554	Jed Belt	Jed Belt	Lifejacket	n/a
12	RCS	TSK 554	TSK 554	Jed Belt	Jed Belt	n/a	n/a
13	RCS	TSK 554	TSK 554	n/a	n/a	Lifejacket	Plate Carrier
14	RCS	TSK 554	TSK 554	n/a	n/a	n/a	Plate Carrier
15	RCS	TSK 554	TSK 554	n/a	n/a	Lifejacket	n/a
16	RCS	TSK 554	TSK 554	n/a	n/a	n/a	n/a
17	RCS	TSK 554-M	n/a	Jed Belt	Jed Belt	Lifejacket	Plate Carrier
18	RCS	TSK 554-M	n/a	Jed Belt	Jed Belt	n/a	Plate Carrier
19	RCS	TSK 554-M	n/a	Jed Belt	Jed Belt	Lifejacket	n/a
20	RCS	TSK 554-M	n/a	Jed Belt	Jed Belt	Lifejacket	n/a
21	RCS	TSK 554-M	n/a	n/a	n/a	Lifejacket	Plate Carrier
22	RCS	TSK 554-M	n/a	n/a	n/a	n/a	Plate Carrier
23	RCS	TSK 554-M	n/a	n/a	n/a	Lifejacket	n/a
24	RCS	TSK 554-M	n/a	n/a	n/a	n/a	n/a
25	Elephant	Elephant	Elephant	Jed Belt	Jed Belt	n/a	Plate Carrier
26	Elephant	Elephant	Elephant	Jed Belt	Jed Belt	n/a	n/a
27	Elephant	Elephant	Elephant	n/a	n/a	n/a	Plate Carrier
28	Elephant	Elephant	Elephant	n/a	n/a	n/a	n/a

ACCESS



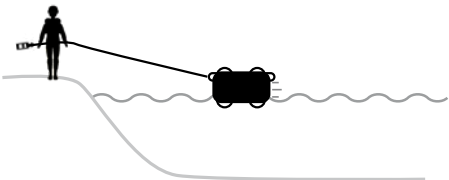
- “Amphibious Cache Container - Extensible Surface Stretcher” equipment for amphibious operations of military special forces for brown water operations.
- Electronic and remote-controlled inflation device that enables you to trigger surfacing from the shore.
- Approx. 85 l of dry storage, ideal for hiding weapons, food, medical kits or other equipment underwater during infiltration.
- 5 different configurations: Basis, Float, Hide, Dive, Vertical.



GENERAL INFORMATION

Type	ACCESS
Part No.	17621
Approval	n/a
NSN	Pending

PACK BUOYANCY AID WITH SECUTRONIC



GENERAL INFORMATION

Type	PACK BUOYANCY AID WITH SECUTRONIC
Part No.	Various, depending on configuration. Please enquire.
Approval	Relevant components certified to EN ISO 12402-7.
NSN	Various, depending on configuration. Please enquire.

- 350 N buoyancy pack developed for military special operation forces to hold equipment at the water surface or to let submerged equipment surface.
- Electronic inflation device (SECUTRONIC) allows for remote-controlled activation of the surfacing process.
- Connects to compatible equipment through MOLLE/ PALS. Malice™ clips included.
- The pack can provide assistance to casualties if the person holds on to the inflated buoyancy chamber, but is no personal protective equipment (PPE).

OTB SNIPER PACK



GENERAL INFORMATION

Type	OTB Sniper Pack
Part No.	Maritime - 16207, Brown water - 16693
Approval	n/a
NSN	8465-12-411-1431, 8465-12-411-1429

- Supports submarine-based over-the-beach missions.
- Dry bag with modular buoyancy control device featuring quick release ballast keel.
- Highly modular backpack for recon/ sniper equipment.

UNDERWATER LOAD CARRYING DEVICE (ULCD)



GENERAL INFORMATION

Type	ULCD
Part No.	16606
Approval	n/a
NSN	5120-12-414-4359

- Buoyancy compensator (350 N) for objects.
- Numerous ways to attach objects.
- Particularly useful when object geometry is not known at mission start.

SECUVAC



GENERAL INFORMATION

Type	SECUVAC
Part No.	17130
Approval	n/a
NSN	Pending

- Waterproof protection system for the evacuation of injured persons.
- Protects injured persons who are secured on a stretcher for transport from contact with water and thus from drowning and hypothermia.
- Can be friction-locked attached to various types of stretcher and can be equipped by an inside vacuum mattress.

DRYBAG



- Waterproof bag for transportation of long guns.
- A valve allows extraction of trapped air to reduce buoyancy.
- Carrying handle and shoulder strap for transportation.
- Slots in the MOLLE grid on the outer surfaces for attaching items of equipment.
- Optional, variable-length lanyard enables the connection between the bag and the person.

GENERAL INFORMATION

Type	DRYBAG
Part No.	16871
Approval	n/a
NSN	8465-12-412-9885

PS 28



GENERAL INFORMATION

Type	PS 28
Part No.	17012-01
Approval	EN ISO 12402-2
NSN	4220-12-415-0867

- Manual-only lifejacket. Single-chamber with 275 N of buoyancy.
- Contained in compact pack ideal for limited storage such as in tanks.
- Buoyancy chamber in muted colours and fitted with a switchable lifejacket light.

MRS ALPHA



- SOLAS-certified navy lifejacket.
- Orange SECUMAR 3D™ double buoyancy chamber with 300 N of buoyancy.
- Pill sensor inflation device SECUMATIC 3005 with switchable modes between automatic and manual only.
- Optional backpack for CONTRA 120 immersion suit.
- PLB optional.

GENERAL INFORMATION

Type	MRS ALPHA
Part No.	14140
Approval	EN ISO 12402-2, EN ISO 12402-6, EN ISO 12401, SOLAS
NSN	4220-12-382-4500

CONTRA 120



- SOLAS-certified immersion suit.
- Can be put on quickly in an emergency at sea.
- Attachable to MRS ALPHA.
- Waterproof and breathable 3-layer GORE-TEX® laminate

GENERAL INFORMATION

Type	CONTRA 120
Part No.	Size 1 - 14594, Size 2 - 14564, Size 3 - 14595
Approval	EN ISO 15027-2, SOLAS
NSN	4220-12-390-2331, 4220-12-390-2330, 4220-12-390-2328

PERSONAL ABANDONMENT LIFEJACKET AND SUIT (PALS)



GENERAL INFORMATION

Type	RAN PALS
Part No.	15834
Approval	EN ISO 12402-2, EN ISO 12402-6; suit EN ISO 15027-2
NSN	n/a

- Manual-only lifejacket. Double buoyancy chamber with 275 N of buoyancy.
- The PAL is packed in a green pouch with a waist belt.
- PAS (not displayed but similar to CONTRA 120 (see previous page): Quick donning over the user's regular clothing.

20 FD WITH UNDERARM BUOYANCY AIDS



GENERAL INFORMATION

Type	20 FD WITH UNDERARM BUOYANCY AIDS
Part No.	14236
Approval	EN ISO 12402-6
NSN	4220-12-388-3824

- Super compact 170 N lifejacket.
- Manual-only activation.
- Total buoyancy can be topped up by modular underarm floats providing 90 N each.
- Flame retardant Nomex®.

20 MB



GENERAL INFORMATION

Type	20 MB
Part No.	Size S - 12400, Size M - 12401, Size L - 12304, Size XL - 12402, Size XXL - 12944
Approval	LufABw (Germany)
NSN	8415-12-361-1164, 8415-12-361-1165, 8415-12-361-1166, 8415-12-361-1167, 8415-12-367-2483

- Multi-purpose aircrew vest.
- EN 358 restraint harness, double-chamber lifejacket with 200 N of buoyancy.
- Full torso ballistic protection.

20 MB CORE



GENERAL INFORMATION

Type	20 MB CORE
Part No.	Various, depending on configuration. Please enquire
Approval	Armaero (Italy)
NSN	Pending

- Multi-purpose aircrew vest - weight reduced variant of 20 MB.
- EN 358 restraint harness, double-chamber lifejacket with 200 N of buoyancy.
- Partial torso ballistic protection.

20 HI-GDF



GENERAL INFORMATION

Type	20 HI-GDF
Part No.	Various, depending on configuration. Please enquire.
Approval	n/a
NSN	Various, depending on configuration. Please enquire.

- Multi-purpose vest without body armour for fixed and rotary wing aircrew.
- Detachable double-chamber collar with 200 N of buoyancy.
- Detachable STASS-pocket can be attached in two different positions.
- Flame retardant Nomex®.

20 HLA



GENERAL INFORMATION

Type	20 HLA
Part No.	Size S - 10801, Size M - 10433, Size L - 10802
Approval	n/a
NSN	4220-12-351-7348, 4220-12-351-7346, 4220-12-351-7347

- Double-chamber lifejacket with 200 N of buoyancy for fast jet aviators.
- Certified compatibility with Martin Baker Mk 10 A seat.
- 3 sizes available.
- Flame retardant Nomex®.

1144



GENERAL INFORMATION

Type	1144
Part No.	17680
Approval	n/a
NSN	n/a

- Double-chamber lifejacket with 180 N of buoyancy for fast jet aviators.
- Modular design: the lifejacket collar as well as the different pockets can be un-/mounted to/from the base vest as necessary.
- One-size fits most design.
- Flame retardant Nomex®.

AUS II



GENERAL INFORMATION

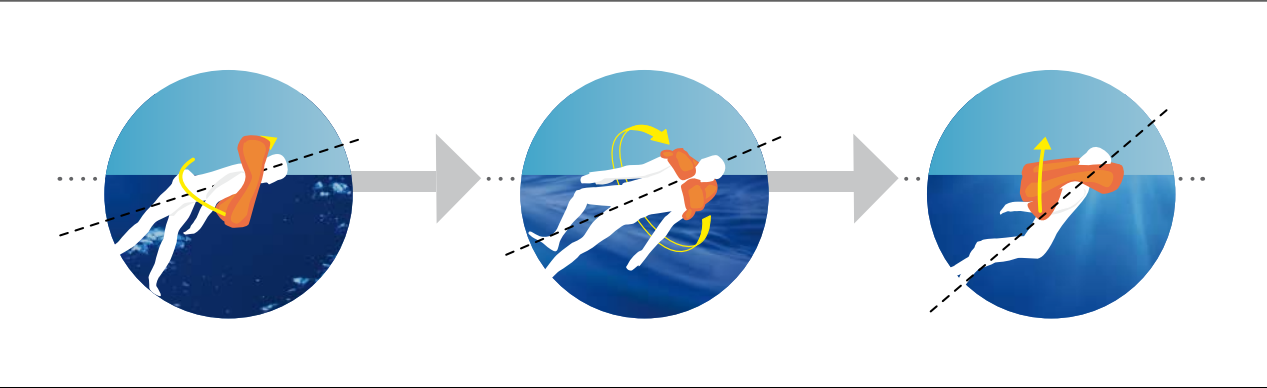
Type	AUS II
Part No.	Various, depending on configuration. Please enquire.
Approval	n/a
NSN	n/a

- Lightweight 180 N lifejacket for fast jet pilots.
- Available as single or double chamber.
- Detachable pockets can be attached in two different positions.

BUOYANCY CHAMBER TECHNOLOGY

The structure of a buoyancy chamber is tailored to meet the lifejacket's specific performance requirements in the water. The rapid self-righting ability depends not only on the buoyancy force but also on the shape of the buoyancy chamber. The buoyancy should primarily be positioned at the sides and behind the head. This placement helps to quickly rotate the wearer from a face-down position into a stable, face-up orientation, keeping the airway clear and the head safely above the water.

TURNING EFFECT



<u>CLASSIC</u>	WINGLET	3D
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High level of buoyancy even in the basic models with the **CLASSIC** type.

'WINGLETS' on the sides for greater turning power and stability in the water.

SECUMAR 3D-SYSTEM with extra volume and chamber height for more freeboard and higher installation of PLB.

INFLATOR TECHNOLOGIES



SECUMATIC 3001S
AND SECUMATIC 3005 ABS

3001S: Automatic inflation device with POSITORQUE.

3005 ABS: Automatic inflation device with POSITORQUE and additionally switchable modes auto and manual.



SECUMATIC 4001S

Automatic inflation device with bayonet system for cylinder fitting.

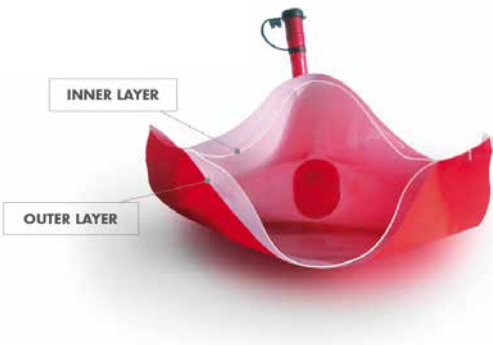


SECUTRONIC

Smart electronic multi sensor inflation device with POSITORQUE.

POSITORQUE

Inherent system for shake and vibration proof CO₂ cylinder fitting: As the CO₂ cylinder is screwed in a rubber is compressed which increases the friction on the thread.



DUO PROTECT SYSTEM

Double layer, pierce proof buoyancy chamber design.

CLICK BUCKLES

Ultra strong stainless steel lifejacket buckles.



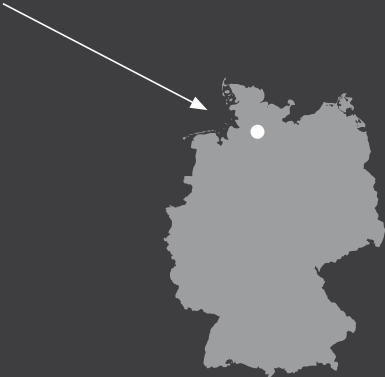


HAVEN'T FOUND
THE RIGHT ONE YET?



Get in touch with us and let us create the perfect product for your application
from our components & technologies.

Our factory near Hamburg is open to customer visits.



HAVE A **SAFE** DAY

05/2025



Bernhardt Apparatebau GmbH u. Co.
Lifesaving Equipment for Sea and Air
PO Box 1190, 25487 Holm, Germany
+49 4103 125-0
info@secumar.com
www.secumar.com

NATO CAGE Code D2168