



M I L I T A R Y

HAVE A **SAFE** DAY

EMPLOYEES

120

BUSINESS  
LINES

3

Generation  
running  
the family-owned  
business

4

ESTABLISHED

1926





Number of  
governments  
supplying to

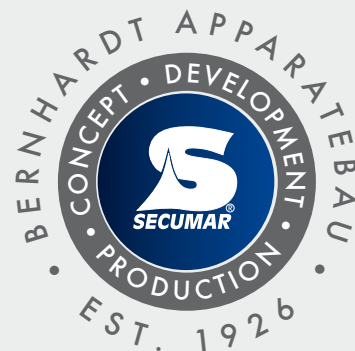
**24**

Inflatables manufactured per year

**100.000**

Lifejackets for military boarding operations

LOCATION HQ  
AND FACTORY  
**GERMANY**



# 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. |

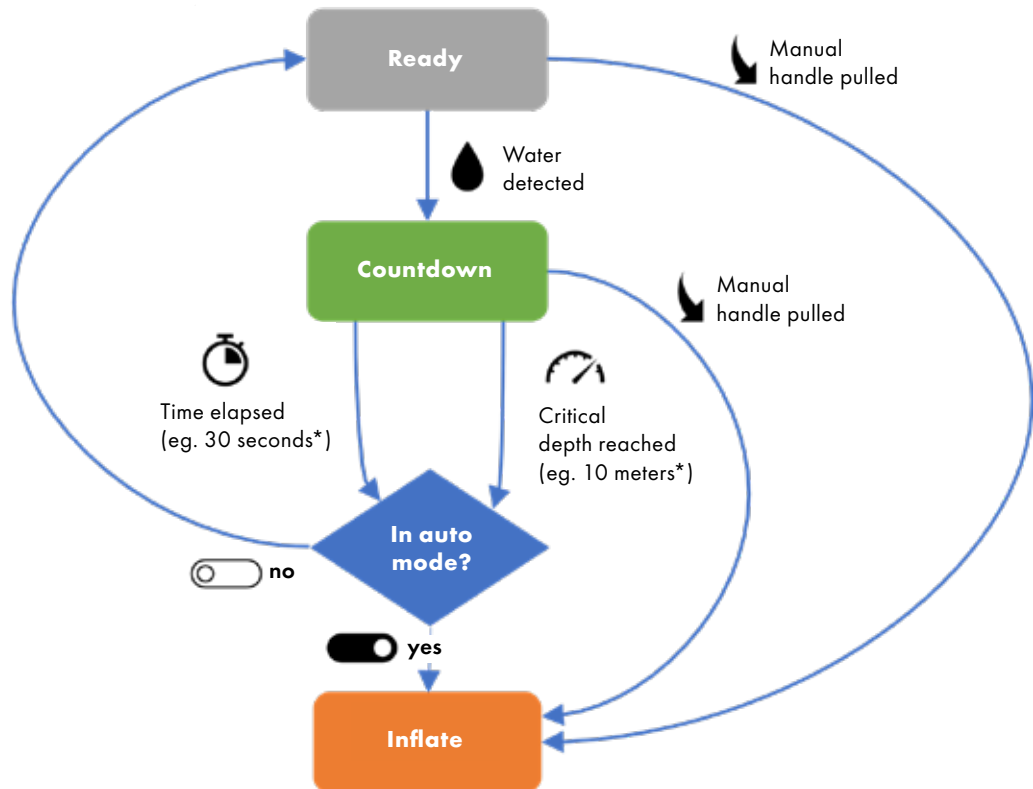
- Tactical self-inflating lifejacket in a tough Cordura® cover, which can be used standalone or with a plate carrier.
- Wingle<sup>TM</sup> design buoyancy chamber with 300 N of buoyancy, ensuring fast surfacing even after massive immersion.
- Electronic multi-sensor inflation device SECUTRONIC supporting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

# SECUTRONIC

- 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.



STATE DIAGRAM



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

# SIERRA SF



## GENERAL INFORMATION

|          |                  |
|----------|------------------|
| Type     | SIERRA SF        |
| Part No. | 15987            |
| 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 12402-7 |
| 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 Wingle<sup>TM</sup> and DuoProtect buoyancy chamber with 300 N of buoyancy.
- PLB and lifejacket light optional.



# SIERRA SERIES

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

# MRS ALPHA



## 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                                    |

- 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.

# CONTRA 120



## GENERAL INFORMATION

|          |  |
|----------|--|
| Type     | CONTRA 120   |
| Part No. | Size 1 - 14595, Size 2 - 14564, Size 3 - 14594       |
| Approval | EN ISO 15027-2, SOLAS                                |
| Material | Waterproof and breathable 3-layer GORE-TEX® laminate |
| NSN      | 4220-12-390-2328, 4220-12-390-2330, 4220-12-390-2331 |

- SOLAS-certified immersion suit.
- Can be put on quickly in an emergency at sea.
- Attachable to MRS ALPHA.

# 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.

# PS 28



## GENERAL INFORMATION

|          |                  |
|----------|------------------|
| Type     | PS 28            |
| Part No. | 17012            |
| 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.

# 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   |
| Material | Waterproof and breathable 3-layer GORE-TEX® laminate           |
| 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.





# 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     | TSK 554, RCS     |
| 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 LIFEJACKET



## GENERAL INFORMATION

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

- Manual-only lifepreserver 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 Carrie              |
| 03 | Plate Carrier    | TSK 554              | TSK 554                 | n/a               | n/a              | Lifejacket | Plate Carrie              |
| 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                       |

# OTB SNIPER PACK



## GENERAL INFORMATION

|          |                                       |
|----------|---------------------------------------|
| Type     | OTB Sniper Pack                       |
| Part No. | Maritime - 16207, Brown water - 16693 |
| 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            |
| 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.

# ACCESS



## GENERAL INFORMATION

|          |         |
|----------|---------|
| Type     | ACCESS  |
| Part No. | 17621   |
| NSN      | Pending |

- “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. 80 l of dry storage, ideal for hiding weapons, food, medical kits or other equipment underwater during infiltration.
- 3 different configurations (Basic, Amphibious, Dive).

# SECUVAC



## GENERAL INFORMATION

|          |         |
|----------|---------|
| Type     | SECUVAC |
| Part No. | 17130   |
| 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.

# 20 MB



## GENERAL INFORMATION

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

- 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 HLA



## GENERAL INFORMATION

|          |  |
|----------|--|
| Type     | 20 HLA   |
| Part No. | Size S - 10801, Size M - 10802, Size L - 10433       |
| Material | Flame retardant Nomex®                               |
| NSN      | 4220-12-351-7348, 4220-12-351-7347, 4220-12-351-7346 |

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



# 1144



## GENERAL INFORMATION

|          |                        |
|----------|------------------------|
| Type     | 1144                   |
| Part No. | 17680                  |
| Material | Flame retardant Nomex® |
| 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.

HAVE A **SAFE** DAY



**Bernhardt Apparatebau GmbH u. Co.**

Lifesaving Equipment for Sea und Air  
PO Box 1190, 25487 Holm, Germany

+49 4103 125-0

[info@secumar.com](mailto:info@secumar.com)

[www.secumar.com](http://www.secumar.com)

NATO CAGE Code D2168