



# Air safety solutions

Cabin products





# Cabin products

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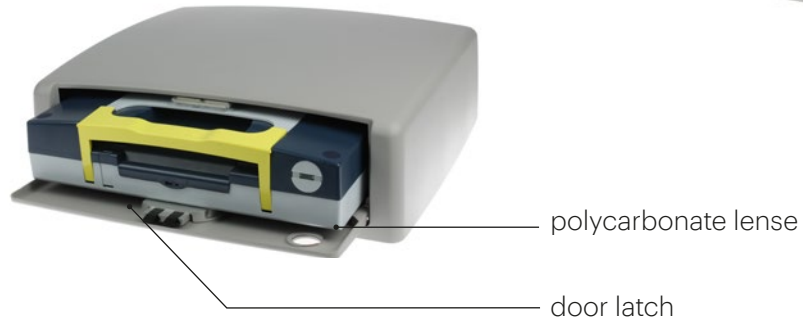
# Adapter Plates Solutions

- In compliance with FAR/CS 25.853.
- In compliance with RTCA/DO-160G, environmental conditions and test procedures for airborne equipment.



# Stowage box Protective Breathing Equipment (PBE)

P3APP000003\_



## Technical features

- Lightweight composite stowage box
- Polycarbonate lense allows visual check of PBE status indicator
- Double latching door
- Fixable to any partition wall etc. with 4 screws
- Suitable for:  
B/E Aerospace E28180-20-0011 and  
Air Liquide 15-40F80

## Main dimensions

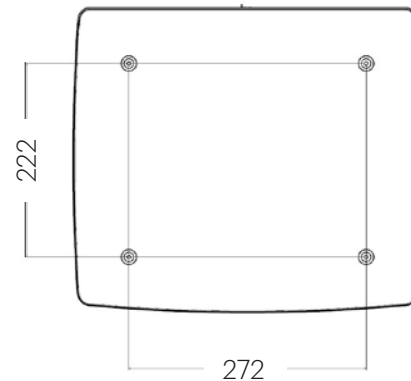
Length: 400 mm

Width: 350 mm

Height: 125 mm

Weight (without equipment): 1,71 kg

## Fixation points



# Adapters for the Overhead Stowage Compartment

P3APP000070\_ • P3APP000071\_ • P3APP000072\_





## Technical features

- Composite stowage rack for emergency equipment
- Available in various options and sizes
- Any equipment fixable with straps and brackets inside the rack
- Adaptable for any overhead stowage compartment
- Suitable for:  
different equipment  
(e.g. First Aid Kit, Emergency Medical Kit, Fire Extinguisher, Megaphone)

## Fixation points

Rack and fixation points developed for AIRBUS A350XWB

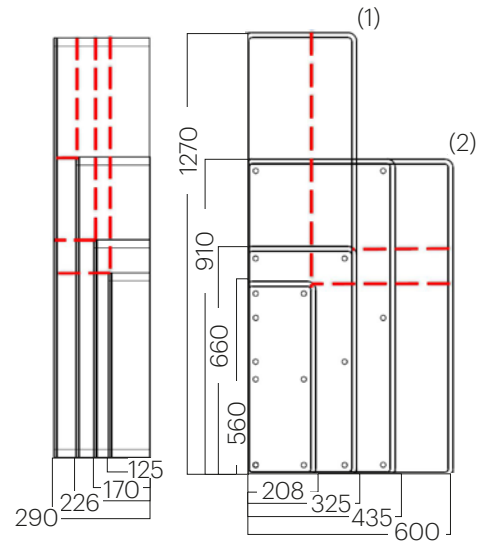


# Wallmounted Stowages

P3APP000100\_ - P3APP000155\_



## Stowage dimensions



## Technical features

- Modular composite stowage box
- Aluminium corner profile protects the stowage box against damage from trolleys
- Optional protective bumper on door available to protect the stowage box against damage from trolleys
- Optional polycarbonate window to allow visual check of equipment indicators i.e. pressure gauge on oxygen bottle
- Double latching door
- Suitable for: fire extinguisher, O2 bottle ...

## Main dimensions

Minimum

Length: 125 mm

Width: 208 mm

Height: 560 mm

Weight\*: 2,52 kg

Maximum 1

Length: 290 mm

Width: 325 mm

Height: 1270 mm

Weight\*: 5,83 kg

Maximum 2

Length: 290 mm

Width: 600 mm

Height: 910 mm

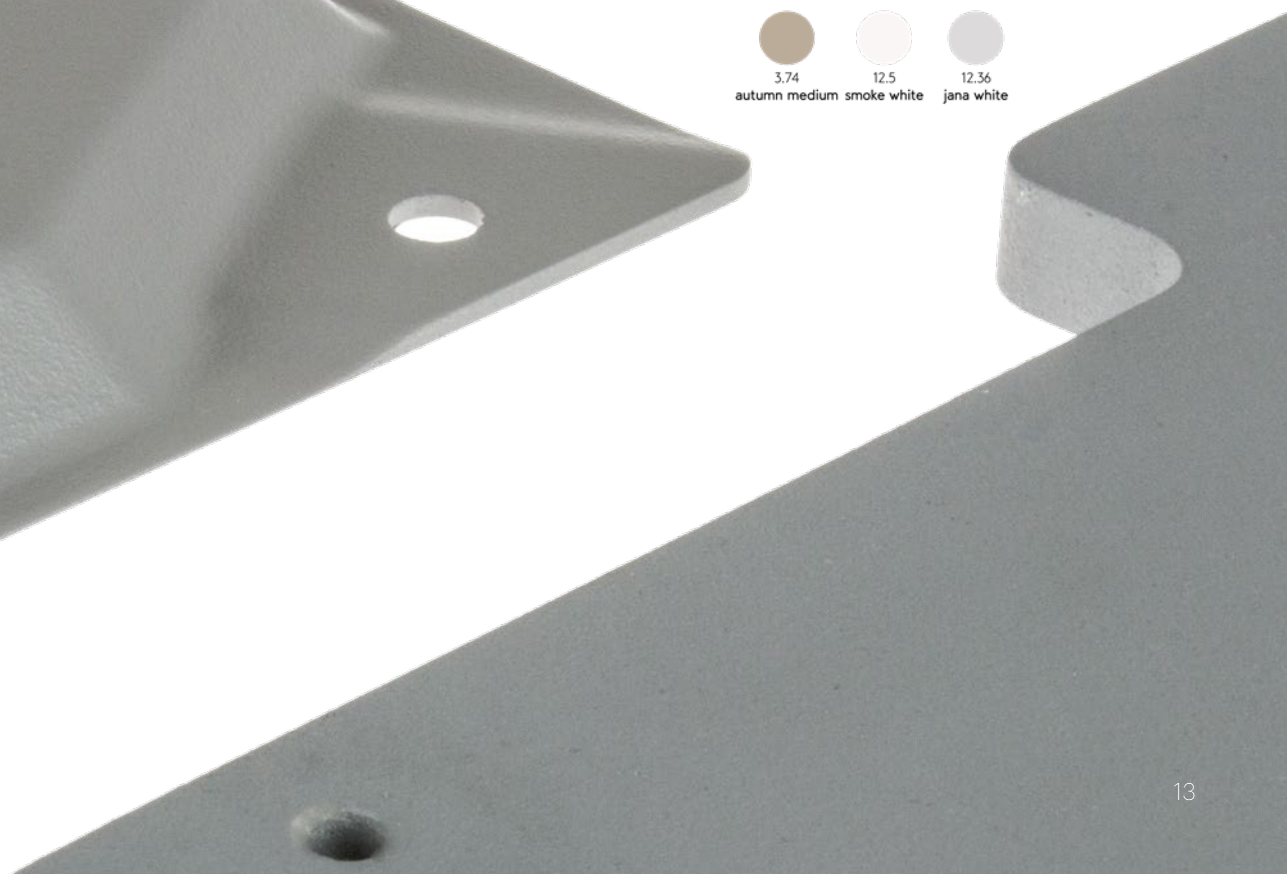
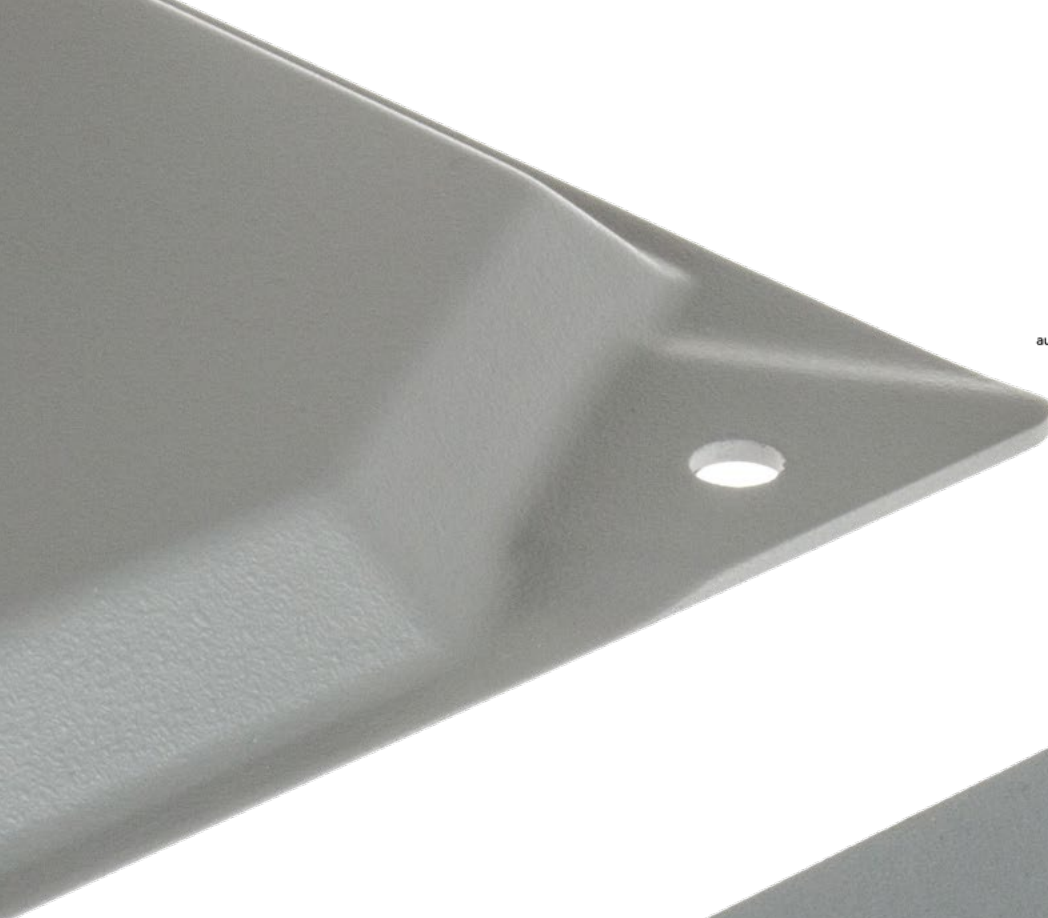
Weight\*: 5,81 kg

\*without equipment

# Standard & Lightweight Design Adapters

## Technical features

- Lightweight composite adapter plate
- Up to 30% less weight compared to common composite adapter plates
- Different sizes and shapes for all purposes possible
- E.g. for doghouse, Cabin Attendant Seat and other compartments



# Sliding Adapter

P3APP000030\_



## Technical features

- Sliding composite adapter plate assembly for easier removal of equipment from deep compartments
- Lockable with latch
- Stepless and noiseless sliding
- Suitable for various aeronautic equipment

## Main dimensions

Retracted

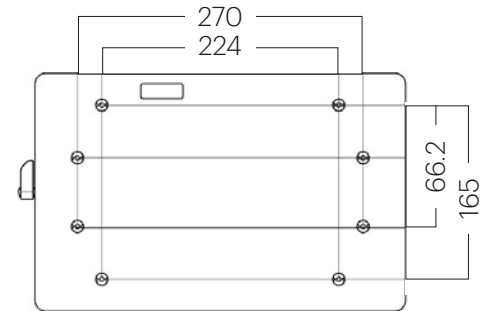
Length: 410 mm

Width: 225,3 mm

Height: 71,9 mm

Weight (without equipment): 1,39 kg

## Fixation points



# Brackets Solutions

- In compliance with FAR/CS 25.853
- In compliance with RTCA/DO-160G, environmental conditions and test procedures for airborne equipment





# Bracket for Crash Axes

P3APP000005\_



## Technical features

- Lightweight injection moulded crash axe bracket
- Suitable for 4 crash axes, allowing a standard hole pattern whatever the OEM is
- Secure double latching
- Quick and easy release due to the use of hook and loop fastening straps
- Suitable for:  
Thales 680-0040-000  
Gemtor 42D8331 and 56D6221  
E.I.S Aircraft EIS76014-10000

## Main dimensions

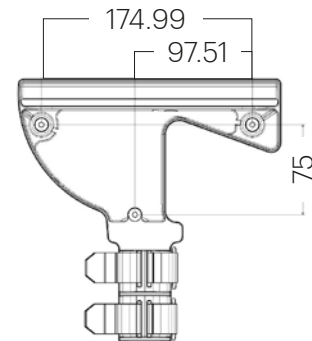
Length: 218,6 mm

Width: 218,1 mm

Height: 37 mm

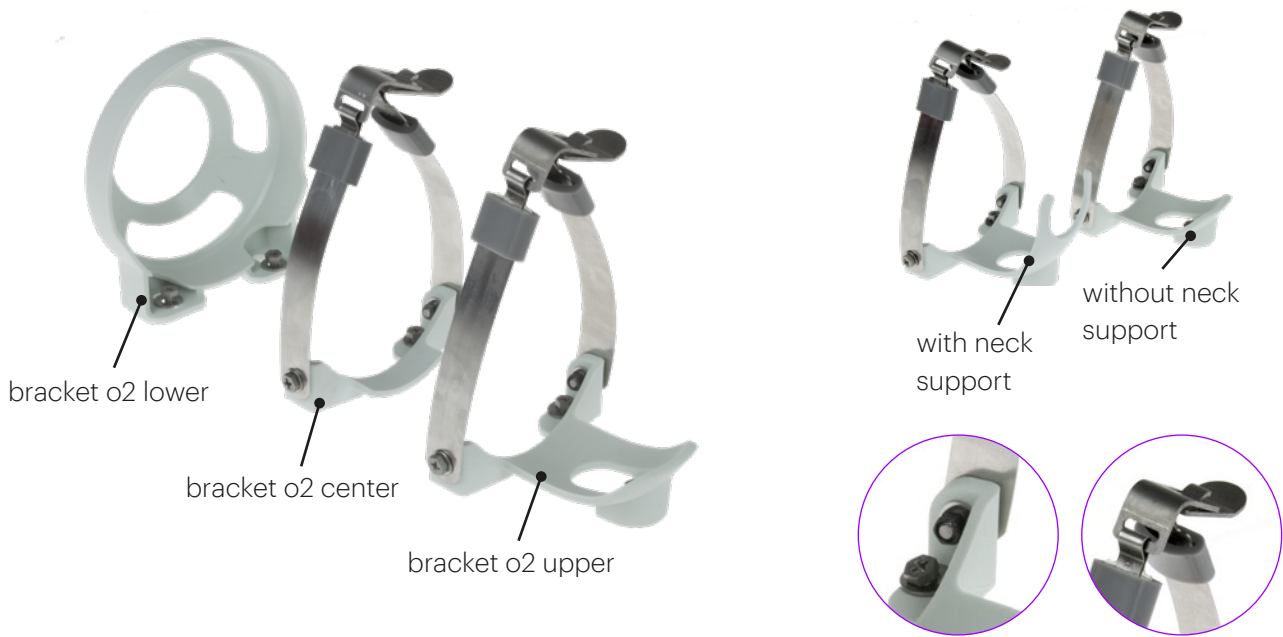
Weight (without equipment): 0,154 kg

## Fixation points



# Brackets for Oxygen Cylinders

P3APP00008X\_



## Technical features

- Lightweight injection moulded oxygen bottle brackets
- Lowest installation height
- Upper bracket available with and without bottle neck support
- Variable clip positions possible
- Up to 35% lighter than competitor bracket
- Suitable for various aeronautic oxygen bottles

## Bracket weights

Lower: 0,032 kg

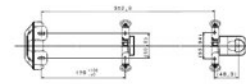
Center: 0,048 kg

Upper with NS\*: 0,058 kg

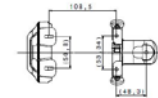
Upper without NS\*: 0,055 kg

\*NS = Neck Support

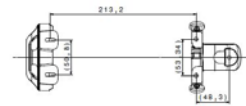
## Fixation points



Holepattern for  
11,0 cft oxygen bottle



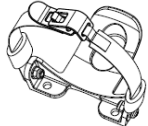
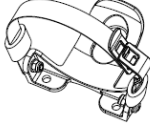
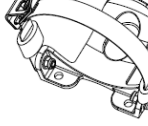
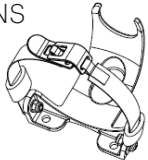
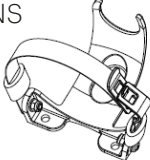
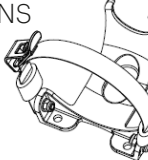
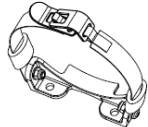
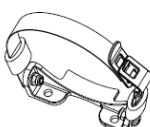
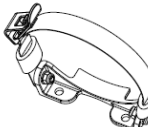

Holepattern for  
4,25 cft oxygen bottle



Holepattern for  
7,15 cft oxygen bottle

## Clip positions



	clip center (c)	clip right (r)	clip left (l)
bracket oxygen upper	 P3APP000080A	 P3APP000081A	 P3APP000082A
	NS  P3APP000083A	NS  P3APP000084A	NS  P3APP000085A
bracket oxygen center	 P3APP000086A	 P3APP000087A	 P3APP000088A
bracket oxygen lower	 P3APP000089A		

# Bracket for Megaphones

P3APP0000093\_





## Technical features

- Aluminium bracket with hook and loop fastener
- Designed to accommodate various aeronautic megaphones

## Main dimensions

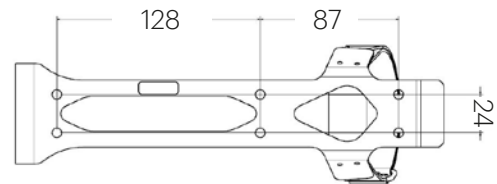
Length: 269,5 mm

Width: 86,3 mm

Height: 91,4 mm

Weight (without equipment): 0,086 kg

## Fixation points



# Bracket for Protective Breathing Equipment (PBE)

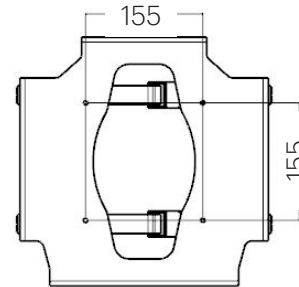
P3APP0000015\_



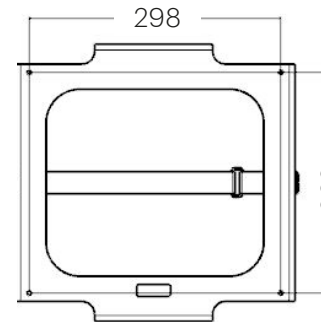
## Technical features

- Aluminium bracket with strap
- Foam lined bracket ensures noiseless operation and snug fitting of equipment
- Suitable for:
  - AVOX 802300-14
  - BE Aerospace E28180-20-0001
  - BE Aerospace E28180-20-0006
  - BE Aerospace E28180-20-0011
  - Air Liquide 15-40F11
  - Air Liquide 15-40F80
  - Puritan Bennett 119003-11

## Fixation points



(Holepattern for all Airbus aircraft)



(Holepattern for Airbus A350)

# Bracket PBE - Variants

## P3APP000015C

**Suitable for:**

Air Liquide 15-40F11 & 15-40F80  
B/E Aerospace E28180-20-0011  
All Airbus Aircraft



**Main dimensions:**

Length: 337 mm  
Width: 328,2 mm  
Height: 88,3 mm  
Weight (without equipment):  
0,496 kg

## P3APP000015D

**Suitable for:**

B/E Aerospace E28180-20-0001  
B/E Aerospace E28180-20-0006  
All Airbus Aircraft



**Main dimensions:**

Length: 272 mm  
Width: 231,6 mm  
Height: 138,3 mm  
Weight (without equipment):  
0,357 kg

## P3APP000015E

**Suitable for:**

AVOX 802300-14  
All Airbus Aircraft



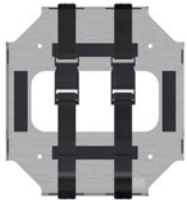
**Main dimensions:**

Length: 218,4 mm  
Width: 246,5 mm  
Height: 129,3 mm  
Weight\*: 0,287 kg

## P3APP000015P

### **Suitable for:**

Puritan Bennet 119003  
All Airbus Aircraft



### **Main dimensions:**

Length: 249,9 mm  
Width: 274,5 mm  
Height: 128,3 mm  
Weight\*: 0,374 kg

## P3APP000015J

### **Suitable for:**

Air Liquide 15-40F11&15-40F80, B/E  
Aerospace E28180-20-0011  
All Airbus Aircraft



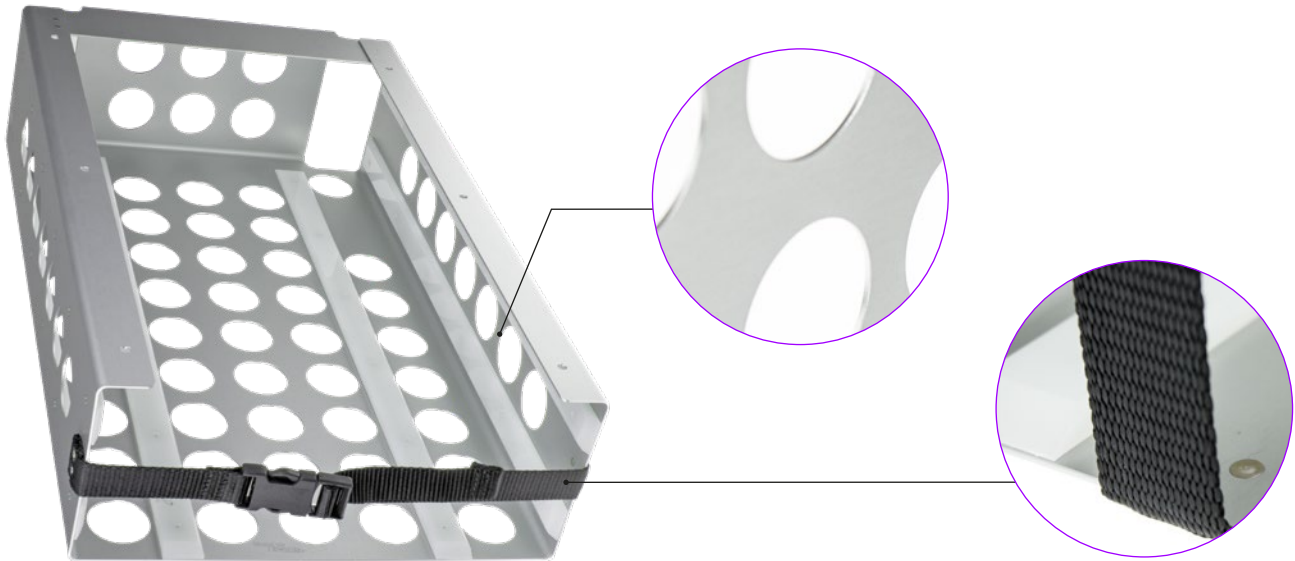
### **Main dimensions:**

Length: 340,3 mm  
Width: 329 mm  
Height: 83,6 mm  
Weight\*: 0,497 kg

\* without equipment

# Bracket for Emergency Medical Kits

P3APP000175\_



## Technical features

- Aluminium casing to protect various equipment in overhead stowage compartment
- Attached sliding bars ensure easy removal of equipment
- Straps for various aeronautic equipment
- Suitable for various aeronautic equipment

## Main dimensions

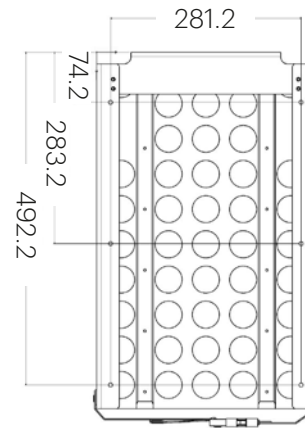
Length: 554,3 mm

Width: 328,8 mm

Height: 132,9 mm

Weight (without equipment): 1,82 kg

## Fixation points



# Fabric Solutions

- In compliance with FAR/CS 25.853
- In compliance with RTCA/DO-160G, environmental conditions and test procedures for airborne equipment





# Pouch

P3PRT000006\_ (3L) • P3PRT000018\_ (6L) • P3PRT000024\_ (12L)



## Technical features

- High durable, non flammable material
- Organizes & protects loose (demo-) equipment
- Available in different sizes and printing



# Straps

Strap with buckle female

P3PRT000042\_

Strap with buckle male

P3PRT000041\_



Straps available in different lengths  
with different screw kits.



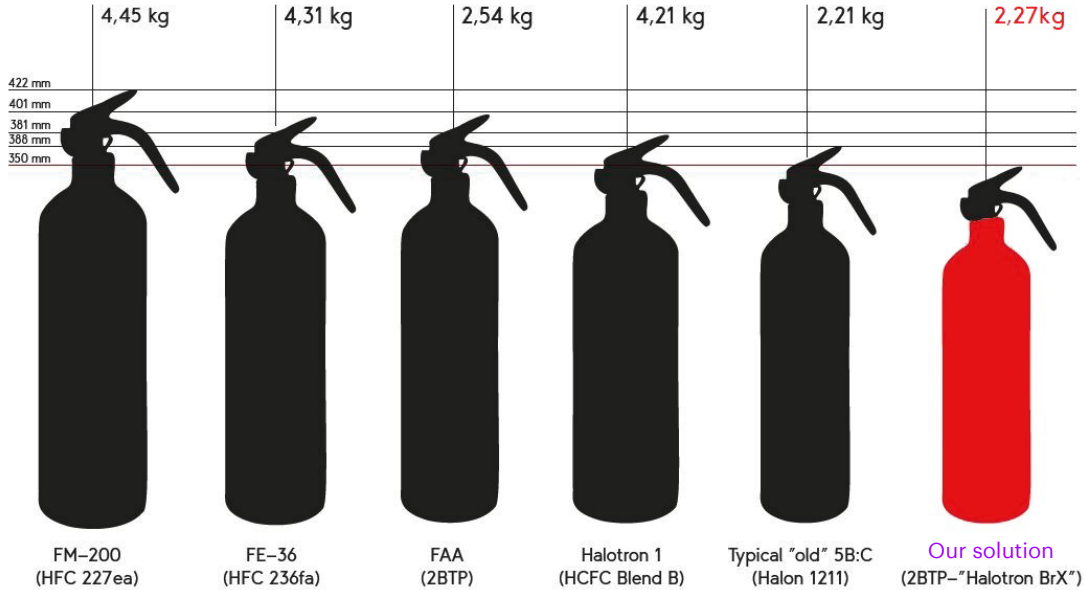
# Halon-free Fire Extinguisher

A minuscule, world first, custom fit, halon-free extinguisher for aircraft use.



# Our solution

The smallest & lightest halon-free 5B:C aircraft use fire extinguisher



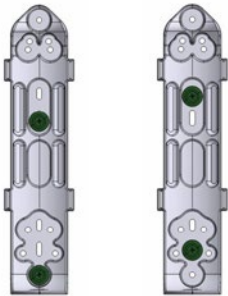


# Easy retrofit

Easy retrofit due to different hole patterns and small size

Easy replacement of most actual available extinguishers due to different fixation possibilities and small space envelope.

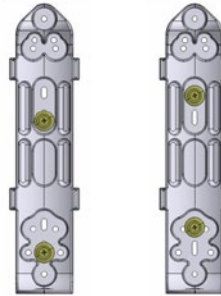
TOTAL 74-20



FFE BA21741SR-5



SICLI MAIP H1-10 AIR



KIDDE 898052



**Screw**

NAS1102-08-xx / NAS1102-3-xx

NAS1802-03-xx

**Washer**

DAN125-4 / DAN 125-5

NAS1149D0332K



# Easy handling

01

Safety pin with seal,  
easy to identify if broken

02

Easy and intuitive one-handed  
operation (one control lever, no hose)

03

Easy to read UL-compliant  
pressure-gauge

04

RFID tag, easy to scan

05

Adjustable color coding for each  
country standard

06

Adjustable straps with  
rotatable latch

07

Fast and intuitive to  
open latch-hooks

08

Easy retrofit bracket for multiple  
installation possibilities

09

Seamless deep drawn lightweight  
cylinder to ensure maximum  
pressure resistance

# Fire extinguisher

P3APP003010D



# Customized brackets



# Specification

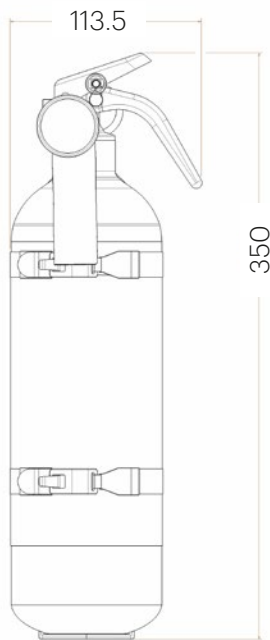
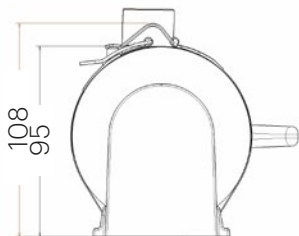
## Weight

Including 2-BTP

2,27kg

Including 2-BTP + Bracket

2,50kg



# Change in extinguishing agent

Schedule for halon-free handheld fire extinguisher introduction on new large aircraft: Cut-off date new aircraft acc. to ICAO/EASA: 18. May 2019 Cut-off date retrofit acc. to EASA: 31. Dec 2025

## **Accenture solution**

UL qualified

Qualification is in accordance with:

- UL 2129
- DOT/FAA/AR-01/37 MPS
- 2014/68/EU Pressure Equipment Directive

Fire classes:

- 5B:C as per UL 711
- 2B at -40°C
- Safely usable on fires of Personal Electronical Devices (PEDs) with Li-Ion batteries, allowed to be carried by passangers on board of an aircraft.

# Fire Extinguisher Trainer

All airlines are obliged to train their crew for all new emergency equipment. We at Accenture can provide you with the newest training equipment for the widely installed halon-free fire extinguisher (P3APP003010D/E/F).





## Our solution

- Our Fire Extinguisher Trainer has virtually an identical look and feel as our original halon-free fire extinguishers in order to simulate real usage and provide you with an optimal training experience.
- This is done by mostly using all original parts wherever possible. The Fire Extinguisher Trainer also has the identical geometric dimensions and a similar weight as the original halon-free fire extinguishers (P3APP003010D/E/F).
- Using compressed air, provided by a robust and easy to install filling station, we have replicated the discharge time, noise and feeling making your training experience as similar as possible to the real product.
- The stainless-steel design ensures longevity of the major parts so you can re-fill and reuse our trainer inside your classrooms or inside training mockups.
- Should something need replacing, we can easily provide you with the needed spare parts.



### FIRE EXTINGUISHER TRAINER

**INSPECTION:** INSPECT MONTHLY or more frequently if exposed to severe environmental conditions and many usages. Check that the pointer is within the green area. Check that the pressure before usage. If the pointer is in the red area the green area, the extinguisher is not safe to use. Check the servicing manual for inspection.

**MAINTENANCE:** Check the servicing manual for instructions for abstraction. Check that the pin and the safety seal are undamaged.

**IDENTIFICATION OF CONTENT**  
This trainer is filled with compressed air. For filling the trainer, only use the original filling station.

**NOT FOR AC INSTALLATION**

- ### INSTRUCTIONS
1. Pull safety pin
  2. Squeeze handle
  3. Spray nozzle



This is ISO 9001 & ISO 14001 certified  
simulate extinguisher  
fill for fire

## Fire Extinguisher Trainer Air

P3APP007010B - FE Trainer Air UL



## Filling Station Air

P3APP007100A - Filling Station Air



## Technical features

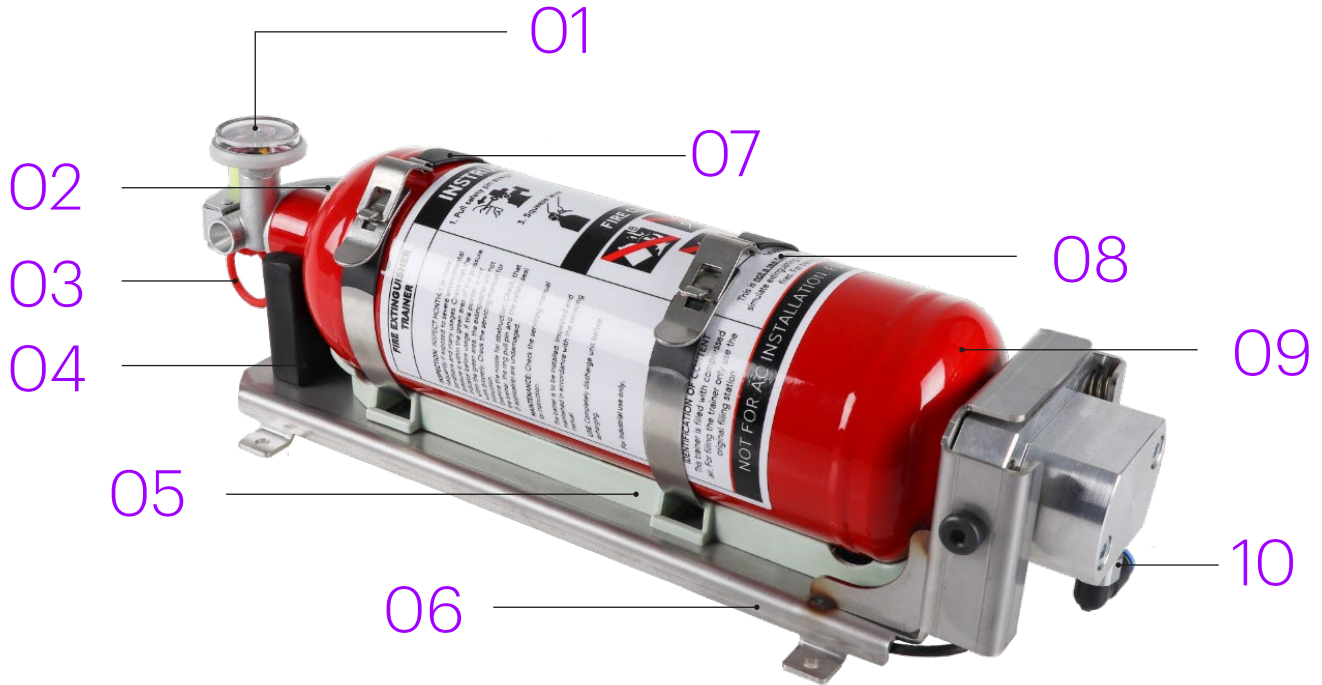
- Extinguishing Agent:  
Compressed Air
- Operating pressure:  
ps = 130 psi (9 bar) at 20°C
- Test pressure:  
pT = 217 psi (15 bar)
- Burst resistance pressure:  
pr > 725 psi (50 bar)
- Operating temperature range:  
 $10^{\circ}\text{C} \leq T \leq 50^{\circ}\text{C}$   
( $50^{\circ}\text{F} \leq T \leq 122^{\circ}\text{F}$ )
- Survival temperature range:  
 $-20^{\circ}\text{C} \leq T \leq 50^{\circ}\text{C}$   
( $-4^{\circ}\text{F} \leq T \leq 122^{\circ}\text{F}$ )

## Main dimensions (FE Trainer Air UL)

Length: 112,7 mm  
Width: 88 mm  
Height: 344 mm  
Weight: 2,70 kg

## Main dimensions (Filling Station Air)

Length: 121 mm  
Width: 118 mm  
Height: 350 mm  
Weight: 1,40 kg



# Product description

01 Pressure Gauge

02 Lever

03 Safety Pin

04 Neck Support

05 Bracket

06 Filling Station

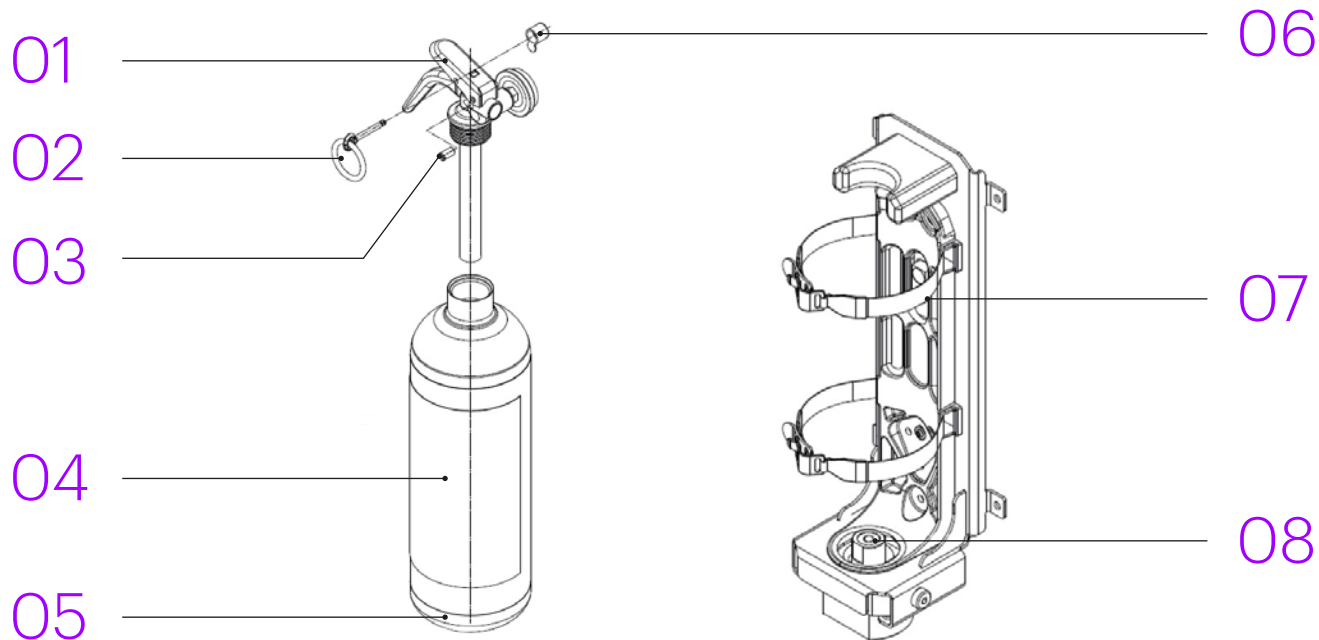
07 Straps

08 Label

09 Cylinder

10 Compressed air connection

# Spare parts





01 Trainer Air Head UL  
P3APP007011C

02 Safety Pin  
P3PRT003090B

03 Set Screw  
ISO 4766-M6x12

04 FE Trainer Main Label  
P3PRT000003AC

05 Refilling Valve  
FE Trainer Air UL

06 Safety Seal  
P3PRT003091B

07 Strap  
P3APP003041C

08 Refilling Valve  
Filling Station Air

# Seat to Seat Solutions

- In compliance with FAR/CS 25.853
- In compliance with RTCA/DO-160G, environmental conditions and test procedures for airborne equipment



# Seat-to-Seat Cable Routing Provisions

Mini Raceway



Transversal Raceway



## Technical features

- Enables flat floor concept for AIRBUS A350
- Light weight and high strength
- Easy installation and removal
- Cable routing directly under the seat
- Electrical and mechanical protection of cables against floor panels and seat fittings

## Power Floor Disconnect Box Bridges



## Emergency Light Floor Disconnect Box Bridges



## Floor Covering Parts

Seat Rail Cover Classic



Seat Rail Cover Flat



## Technical features

- Enables flat floor concept
- Light weight and high strength
- Easy installation and removal
- Clip mechanism for fixation on seat rail



# Supplementary Survival Kit (SSK)

A Supplementary Survival Kit is required according to Operational Requirements in CAA ANO Schedule 5, CAT.IDE.A.285 and CAT.IDE.A.305 if the airplane is operated over water or deserts in addition to the internal survival kit of the life raft.

It provides additional sugar, water, paddles and aerial flare according to the operated areas.





# General unique selling points

Our SSK products are designed to satisfy all different aircraft programs' needs in the best way. All SSKs are assembled in Germany.

In general our products are designed for:

- Easy retrofit of existing fleet: 1:1 exchange possible (STC can also be provided by Accenture); same or less weight and dimensions
- Longer maintenance intervals (up to 5 years)
- Total cost of ownership reduction of up to 80% per aircraft
- Intuitive design of bag and contents for easy use in difficult situations



accellus 

Supplementary Survival Kit

DESC: 06 - Value 5  
MFG: 14050001A  
MFG: 17050001A  
SRI: 00000000000000000000  
AND: 00000000000000000000  
DMS: 00000000000000000000  
MFR: 00000000000000000000



PLACE SUPPLEMENTARY SURVIVAL KIT AT DOOR  
ATTACH SNAP HOOK TO SLIDE/RAFT  
PRIOR TO RELEASING SLIDE/RAFT

# Easy handling

01

The Label provides all information as readable information, QR-Code and RFID.

02

To ensure that all components are inside the SSK when needed, the bag is sealed by a tamper seal, which is destroyed when the bag is opened.

03

The bag provides two handles made of light weight and robust material. All attachments to the bag are reinforced for all thinkable emergency scenarios.

04

The SSK must be attached to the life raft with a snap hook and a lanyard. This lanyard is attached to the bag and it is folded and tucked into a pocket. To simplify finding of the snap hook in an emergency case, we made this pocket transparent, so the snap hook is easily visible from the outside.

By selecting a wide lanyard, we added an extra function: the lanyard can be used as comfortable shoulder strap if it is necessary to carry the bag a longer distance.



# A330 SSK Variants

## Contents, weight and main dimensions

### **P3APP000510A (Pump and Paddle Variant)**

Length: 475 mm  
Width: 190 mm  
Height: 114 mm  
Weight\*: 5,7 kg

- Glucose Toffee Tablets (1,8 kg)
- Water Packs (1,3 Liters)
- Desalination Pump
- Telescopic Paddle
- Ground to Air Signal Card

Regulation: CAA UK compliant

### **P3APP000511A (Desalination bag Variant)**

Length: 280 mm  
Width: 270 mm  
Height: 70 mm  
Weight\*: 4,2 kg

- Glucose Tablets (1,6 kg)
- Water Packs (1,5 Liters)
- Desalination Bag
- Red Parachute Flare
- Ground to Air Signal Card

Regulation: EU OPS 1.830  
compliant for standard  
flight route

### **P3APP000512A (Pure Water Variant)**

Length: 280 mm  
Width: 255 mm  
Height: 100 mm  
Weight\*: 5,4 kg

- Glucose Tablets (1,7 kg)
- Water Packs (2,7 Liters)
- Red Parachute Flare
- Ground to Air Signal Card

Regulation: EU OPS 1.830 & 1.835  
compliant for standard flight route  
and flight route across desert areas

# A350 SSK Variants

## Contents, weight and main dimensions

### **P3APP000514A** **(Dual Lane Variant)**

Length: 310 mm

Width: 165 mm

Height: 115 mm

Weight (without equipment): 4,3 kg

- Glucose Toffee Tablets (1,7 kg)
- Water Packs (1,5 Liters)
- Desalination Bag
- Red Parachute Flare
- Ground to Air Signal Card

Regulation: EU OPS 1.830 & 1.835 compliant for standard flight route and flight route across desert areas

### **P3APP000515A** **(Single Lane Variant)**

Length: 280 mm

Width: 150 mm

Height: 100 mm

Weight (without equipment): 3,2 kg

- Glucose Tablets (0,8 kg)
- Water Packs (1,5 Liters)
- Desalination Bag
- Red Parachute Flare
- Ground to Air Signal Card

Regulation: EU OPS 1.830 & 1.835 compliant for standard flight route and flight route across desert areas





# A380 SSK Variants

## Contents, weight and main dimensions

### **P3APP000513A** **(Light Variant)**

Length: 260 mm

Width: 180 mm

Height: 100 mm

Weight\*: 3,4 kg

- Glucose Tablets (1,6 kg)
- Water Packs (1 Liter)
- Desalination Bag
- Ground to Air Signal Card

Regulation: EU OPS 1.830 compliant for  
standard flight route

# PED Safety Bag

Lithium-ion batteries are widely used in electronic devices carried by passengers on board your flights. However, in the event of a thermal runaway, these batteries can cause serious damage to the device and potentially lead to a fire and emergency landing.

That's where Accenture's solution comes in.



## Some information upfront

The Portable Electronic Device (PED) Safety Bag is used to manage incidents caused by thermal runaway of lithium-ion batteries in PEDs like notebooks and smartphones to improve safety.

Lithium-ion battery thermal runaway occurs when a cell, or area within the cell, achieves elevated temperatures due to thermal / mechanical failure, internal / external short circuiting, and electrochemical abuse.

In case of a thermal runaway on a plane, the PED Safety Bag can be used to avoid delays or an emergency landing. It contains the heat and smoke and allows for flight continuity.

- Instructions by IATA, FAA, EASA for carriage of passenger's lithium-ion batteries onboard. Batteries of max. 160 Wh are allowed on board.
- Numbers of PEDs on board are increasing and so the risk of lithium-ion battery fires.
- UL Standard 5800 for PED Safety Devices was published in December 2020 to compare and categorize products and to define minimal standard safety requirements for PED Safety Devices.

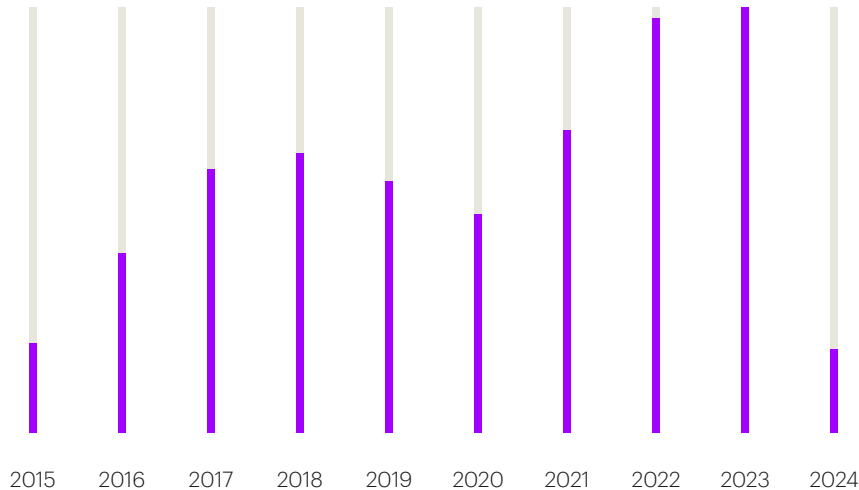
**522 total verified incidents**

between March 2006 and April 2024 by the FAA.

# Verified incidents

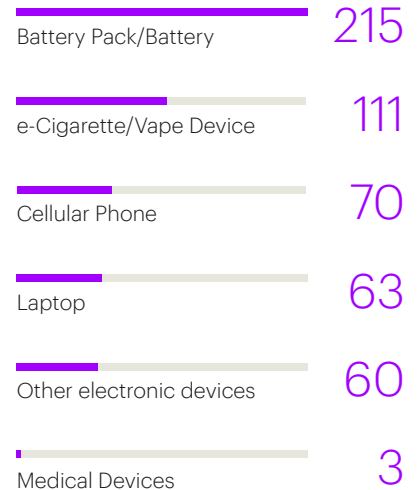
## Lithium battery incidents

16 32 47 50 45 39 54 74 76 15



## Category

Since March 2006



Source: [https://www.faa.gov/hazmat/resources/lithium\\_batteries/incidents](https://www.faa.gov/hazmat/resources/lithium_batteries/incidents)

# Overview of UL 5800 classes

## Standard for safety—Battery Fire & Smoke Containment Product

Many products are already on the market, but the quality and functionality are not comparable and not transparent for customers.

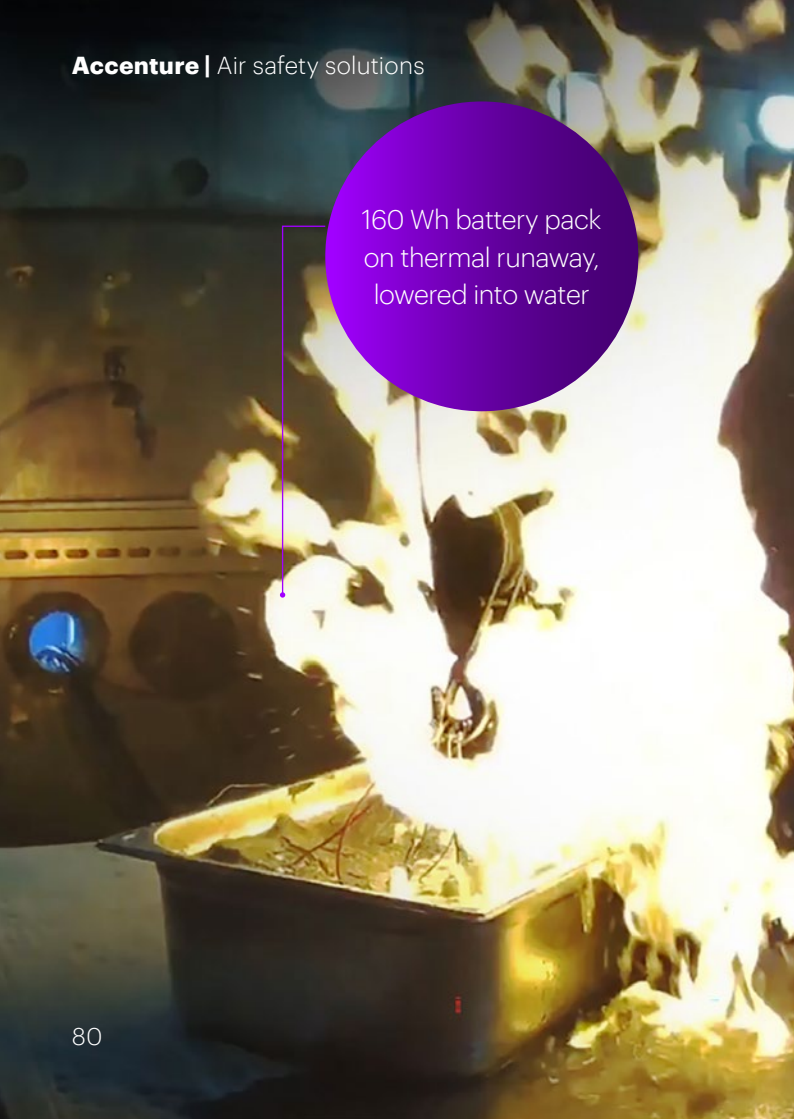
- UL Standard to compare and to categorize battery fire containment products  
Standard was published in December of 2020
- Members of the Committee:  
Airlines from the US and Canada,  
Boeing, and FAA representatives

**Added value for Customers**  
due to standardized classification  
comparison of products

UL Fire Classes	Representative capacity (Wh)	Number of cells (18650 format, 3300 mAh)	Examples for PEDs
Class 1	≤ 60	5	Laptop, mobile phone, e-cigarettes
Class 2	≤ 100	9	Large power banks and extra long-life workstation batteries
Class 3	≤ 160	14	Up to professional camera battery
Class 4	≤ 300	25	Batteries of mobility chair

**Performance Level 1:** all visible smoke is confined within the containment product

**Performance Level 2:** no more than 5m<sup>2</sup> of total smoke is released from the containment product



160 Wh battery pack  
on thermal runaway,  
lowered into water

## Example of a Lithium-ion Fire

The current procedures  
recommended by aviation  
authorities of handling the  
thermal runaway scenario

Risk of fire and smoke  
in the cabin, flight-safety  
not under control

The fire cannot be extinguished with water.  
Even when fully submerged, the fire keeps  
burning and smoke is released.



# Our solution — The Accenture PED Safety Bag

Fire and smoke contained,  
flight-safety ensured

It contains the heat and smoke and  
allows for flight continuity.





## Technical features

- UL 5800 class 2 (100Wh)
- UL 5800 class 3 (160Wh)
- Performance level 1 compliant and qualified
- Fireproof up to 1200°C
- Explosion proof
- Total smoke and invisible gas containment
- Class 2: large enough for a 14-inch laptop
- Class 3: large enough for large power banks and power tool batteries
- Small enough to be able to store at standard stowage locations without additional fixation

## Qualification and certification pending

- DO160
- Fireworthiness (CS/FAR25.853)

# LED Flashlight

- Flashlight that meets all requirements of ARP1798 Rev B
- Utilizes commercially available battery cells in lieu of supplier specific custom battery cells
- Bracket with multiple interfaces, which fit different OEM / supplier interface points
- More efficient maintenance concept (longer interval + cheaper batteries)
- Battery indication integrated inside the flashlight



← 出口 EXIT →

# Design Features



Custom Colour Rings



Easily identifiable Battery Status and On-Off Button



Operates with three  
commercially available  
'AA'/LR6 Batteries



Bungy style  
wrist lanyard





# RFID tag

- ATA Spec 2000 compliant RFID Tag
- Additional identification (no RFID) on bracket



## Comparison with product of current market leader

Criteria	Accenture Flashlight	Competitor
SAE requirements	Yes	No
Maintenance costs (Battery Change)	Low	High
Maintenance interval	7 years	5 years
Battery indicator	In flashlight	In bracket

Criteria	Accenture Flashlight	Competitor
Energy source	Commercial off-the-shelf batteries	Supplier specific battery pack
Legacy cockpit support	Yes	No
Hole pattern support	Multi interface	Single interface
Operating temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Candela	3000	2100
Operating time	5 hours	4 Hours
Operation	Manual On/Off Switch	Auto

# Product Overview

Accenture  
Flashlight



Competitor



Size and Weight



240 g



260 g



650 g

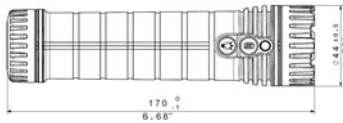
# Industry / Government specifications

The following Industry and Government specifications that our Flashlight is compliant to:

Reference	Document	Document Title	Source
1	14 CFR Part 25	Airworthiness Standards: Transport Category Airplanes, Code of Federal Regulations	FAA
2	CS 25	Certification Specifications for Large Airplanes	EASA
3	ARP1798	Aerospace Recommended Practice for Portable Emergency Lighting Systems for Flight Crew Members	SAE Aerospace
4	RTCA-DO 160	Environmental Conditions and Test Procedures for Airborne Equipment	RTCA
5	MIL-STD-810	Environmental Engineering Considerations and Test Methods	DEPARTMENT OF DEFENCE

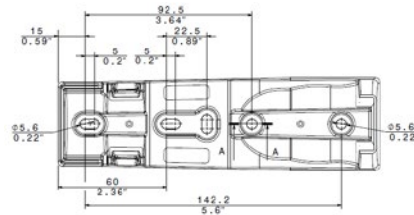
# Technical Data

## LED Flashlight



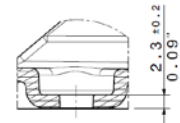
**Part Number:** P3APPO05000A  
**Dimension:** 170 x 44 mm  
**Weight:** 180 g

## LED Flashlight Bracket



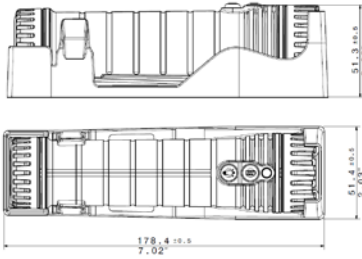
**Part Number:** P3APPO05001A  
**Dimension:** 178.4 x 51.4 mm  
**Weight:** 60 g

Valid for all  
interface positions



**Recommended  
Screw:**  
NAS 1801-08-\*  
NAS 1802-08-\*  
**+ Washer:**  
NAS1149\*N832

LED Flashlight  
LED Flashlight Bracket



**Part Number:** P3APPO05000A / P3APPO05001A

**Dimension:** 178.4 x 51.4 x 51.3mm

**Weight:** 240 g

## About Accenture

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organizations build their digital core, optimize their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent and innovation led company with 750,000 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology with unmatched industry experience, functional expertise and global delivery capability. We are uniquely able to deliver tangible outcomes because of our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Accenture Song. These capabilities, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients succeed and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities. **Visit us at [accenture.com](https://www.accenture.com).**

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