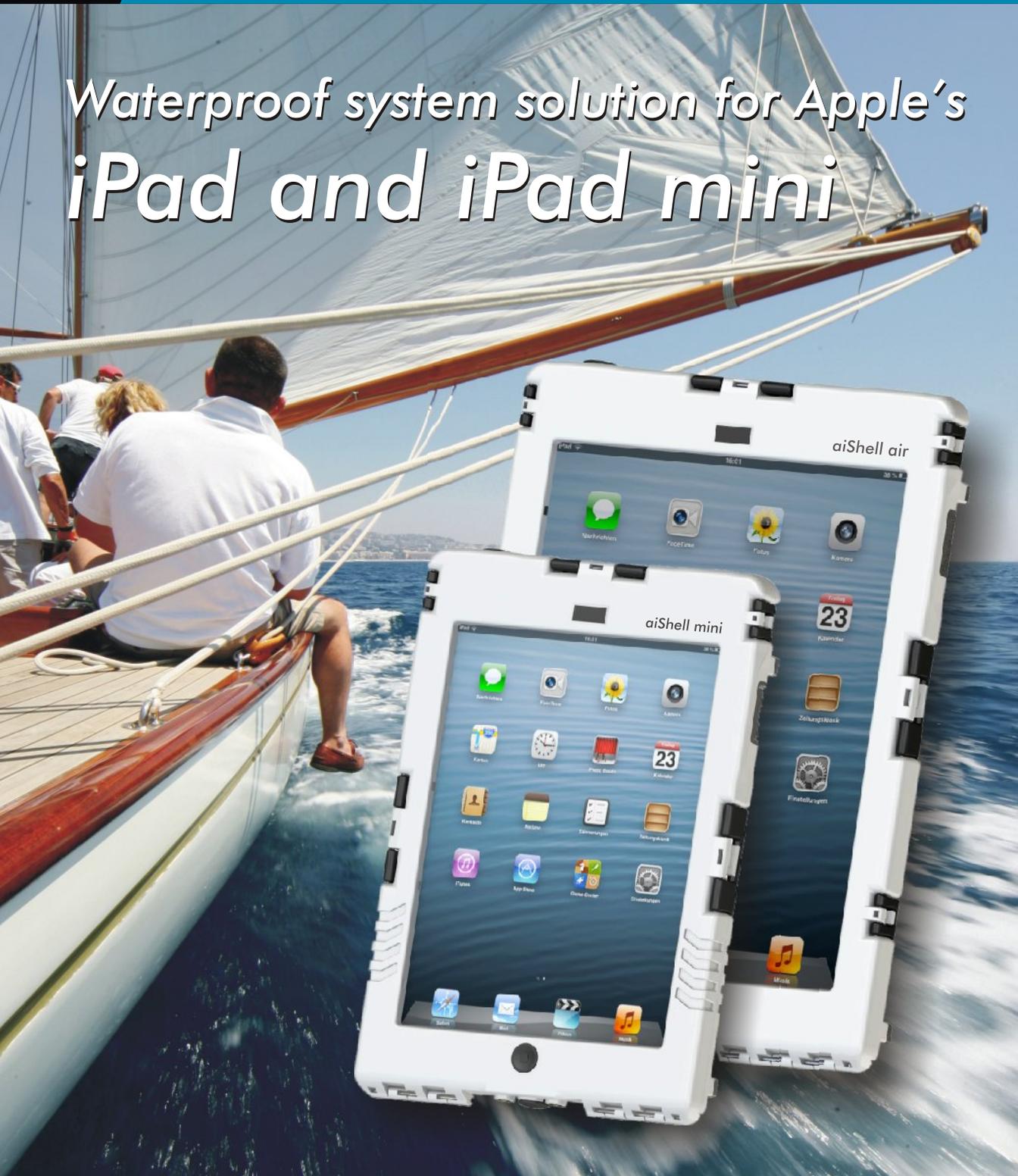




Andres Industries AG

protection for action

Waterproof system solution for Apple's *iPad and iPad mini*



aiShell - Case for iPad - X-Shut - RAM-Mount

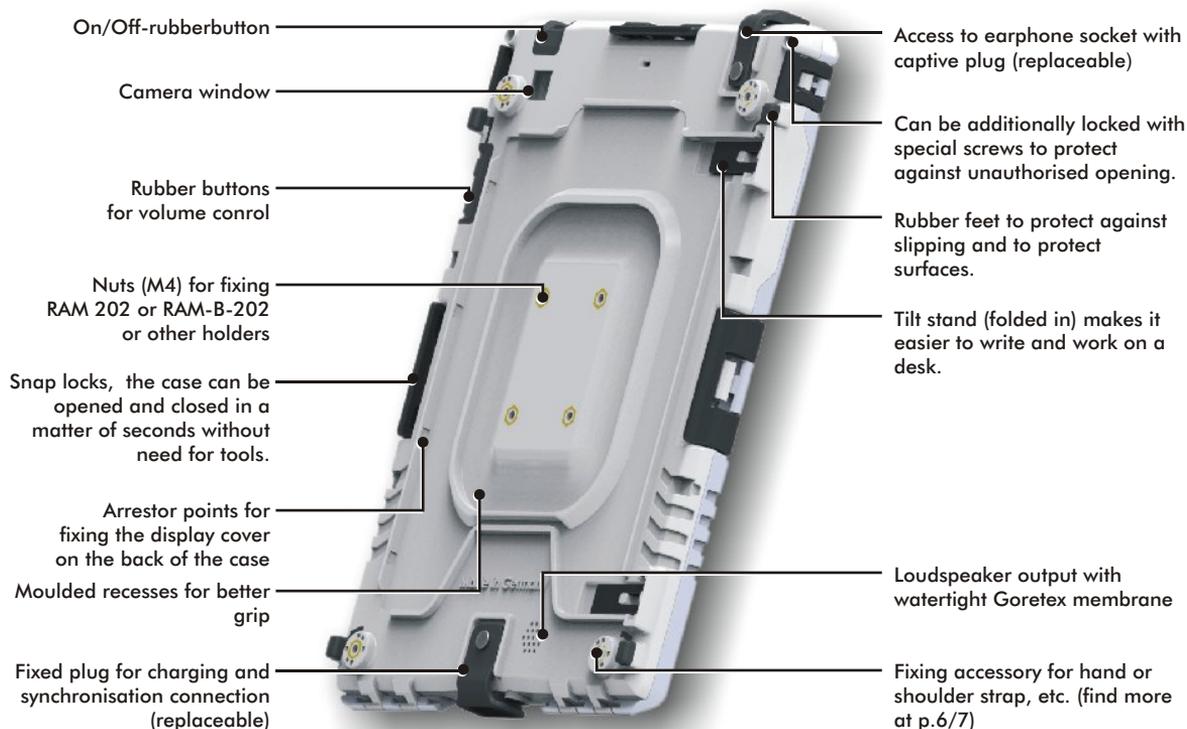
aiShell™



The waterproof and impact resistant cases from Andres Industries are specially developed for Outdoor activities. The same applies to the new aiShell with its IP67 International Protection Rating that is even protected against short-time immersion. Despite the high protection rating almost all the features of the iPad are available, even if it is in the case. But the aiShell can do much more. There is a wide range of extremely extensible accessories. Please read the following pages on what such system solutions can offer you.

Taken together, they make the aiShell into the "Swiss Army knife" of the outdoor cases. It only takes few seconds to insert or remove the iPad from the case. Many conventional outdoor cases have either a simple screen protector or none at all. The aiShell screen is not only protected against the ingress of dust and water, but is also protected against scratches. In addition, there is a display flap for the aiShell that provides particularly high mechanical protection in terms of transportation.

	aiShell mini	aiShell air
suitable for	Apple's iPad mini	Apple's iPad air
waterproof	IP68 (fully immersable)	
impact resistant	ML810F (military grade)	
security	lockable with special screws to prevent unauthorized opening	
dimensions	222 x 159 x 20mm	ca. 265 x 192 x 20mm
weight	210g	315g
extra	retractable display stand	
connector	waterproof connector for underwater power supply as accessory available	
camera window	front and back	
available	in stock	spring 2014



Connectors

With the different waterproof ports, it is possible charge and sync the iPad while in the case.

1 |aiShell™ Lightning Connector

The Lightning Connector can be attached without tools with its thumbscrews and is equipped with a 1 m lead, with a standard USB connector. Special versions on this page include waterproof plug and socket systems, lead extensions can also be attached.

No. 291035

2 |aiShell™ Docking Connector

The Docking Connector has no cable, but rather 4 contact surfaces and is thus very robust and firmly fixed to the case and can only be used in combination with the waterproof docking unit (see page 5).

No. 291036 (available in 2014)



1 |

2 |

Special versions and colour variety

The aiShell was developed and produced in Germany. We are therefore able to produce even the smallest quantities in special colours

or attach Logo imprints. So if our 7 standard colours do not match your expectations, please give us a call, we will find a solution. We can similarly

develop customized accessories for a small amount of pieces according to your specifications so that aiShell can be a system solution in your company.



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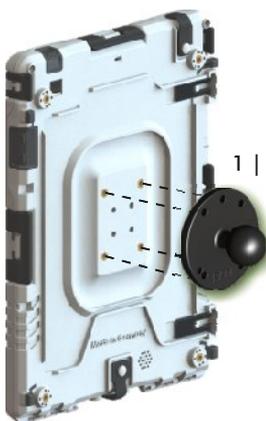
Case	fig.	Discription	Order Nr. aiShell mini	Order Nr. aiShell air
aiShell mini Case colours (aiShell air similar)	3	black	291001	290020
	4	white	291000	290021
	5	olive-green	291040	290030
	6	blue	291050	request
	7	yellow	291070	290031
	8	coyote	291083	request
	9	red	291060	request

Reverse side Options

On the reverse side, the aiShell offers extensive expansion options that are constantly being improved.

Only the most important options are presented on the following pages. The fact that the reverse side is compatible with the RAM-Mount-System unfolds an incalculable number of combination possibilities. The

situation is similar with the new X-Shut system, which is both much smaller and lighter but has the same stability. The aiShell is all about a system solution that can be developed through the customer wishes, and is always being further developed. Therefore, do not hesitate to ask us if you need a special solution.



1 | RAM-B-202 (1" Ball)

The 4 RAM-mount compatible insert nuts allow the attachment of a RAM-b-202 or a RAM 202 on the reverse side. Various more RAM-Mount-Modules can be fastened using these base modules, e.g. cases can be fastened on tables, planes or pipes. An infinite number of mounting options are thereby available, offered by the RAM-Mount-Modules. You will find modules to suit your requirements on page 10.
No. 109001

2 | RAM-202 (1.5" Ball no Fig.)

Same as above, but with a 1.5" ball connection to the particularly stable C-ball system
No.303304

3 | Quicksnapper aiShell™

If you want the aiShell to be carefully fastened, but easily removable when needed, the Quick Snapper is a reliable solution. The aiShell can be inserted and removed within few seconds. The Quick Snapper can either be bolted directly to tables or walls or have a RAM-Mount-Module mounted on its reverse side. In addition, there are holes on the backside for attachment of Malice-Clips. In this way, the Quick Snapper aiShell and thereby the entire system, can be attached to Molle vests and backpacks.

No. 291020 (for iShell mini)

4 | Display Flap

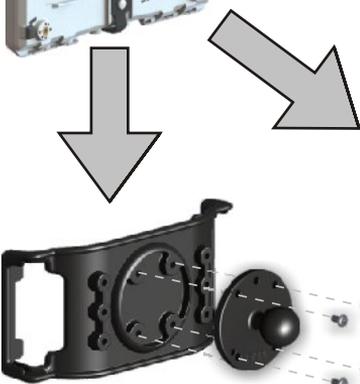
If the display flap is not needed to protect the screen, it can be snapped on the back of the case to avoid losing it. (Shown at Fig. 4)

No. 291030 (for iShell mini)

No. XXXXXX (for aiShell air)

5 | Quick Snapper RAM Mount Combination

This is a practical solution for logistics companies. With this combination and with the help of suction foot an attachment to smooth surfaces like e.g. Windshields is possible. Various more RAM-Mount-Modules can be found on page 7.



6 | RAM-b-202 (1" Ball)

To connect to the RAM mount B-ball system.
No. 109001

7 | RAM 202 (1.5 "ball) no Fig.

Same as above, but with a 1.5" ball connection to the particularly stable C-ball system
No. 303304

8 | Malice Clips

For attachment to standard Molle systems
No. 291595





3 | Shoulder Strap

On the reverse side is an easily removable shoulder strap that can be attached in various positions. If necessary, two shoulder straps can be combined. The aiShell can thus be worn as a hawker's tray. (see p.6 Fig. 8)

No. 291015



4 | Hand Strap

As the Shoulder strap, the length-adjustable strap with its 2 attachment points can be attached to each of the 4 insert nuts. The hand strap can thus be used in combination with the shoulder strap. If the 2 hand straps are used simultaneously, the aiShell can even float.

No. 291010



5 | X-Shut cross (e.g. aluminium)

The tiny X-Shut cross can also be attached to the backside. For the most innovative, it offers an interface, which is the smallest, but yet, the most robust mounting system of our time. To get an impression of the possibilities of this comprehensive solution, please see pages 20-23.

No. 370023



1 | Car Holder / Docking Station

The car holder does not only provide the possibility to insert and remove the aiShell quickly, but rather offers charging and sync possibilities. The aiShell is therefore equipped with a special waterproof connector. There is an immediate connection if the aiShell is plugged into the car holder. The car holder has various backside options that are simultaneously available.

The following accessories can remain on the backside

-Display Flap

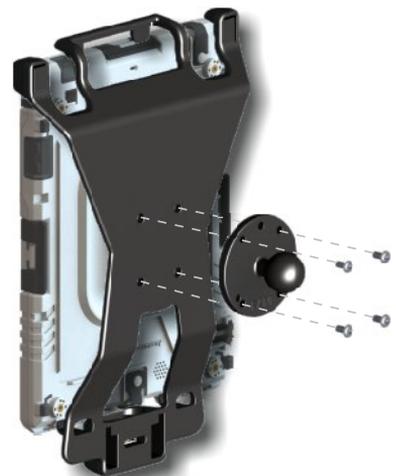
-Hand Strap

-X-Shut Cross

(available in 2014)

The car holder is of course compatible with the RAM-Mount. In this way, it is for example possible to attach it to tables and it can be used as a docking station anywhere.

No. 291080



Case for iPad



The Case for iPad was the first waterproof protective case for the iPad from Apple and has been able to prove its reliability in many operational situations. Like the aiShell, it features different accessories for an optimal use in any situation. Thus, besides the Quick Snapper's rapid mounting there is the possibility of a direct attachment to the RAM Mount system. The C-ball Modules are the right choice here. The particularly small and stable X-Shut System (SS08-11) is also compatible with the iPad case and also has a waterproof connector available that allows you to charge and sync in the water. In contrast to the aiShell, the iPad case can float without special equipment.

- ▶suitable for Apple's iPad 1-4
- ▶waterproof IP65, impact resistant MIL810G
- ▶fully operable in the case, camera port on both sides
- ▶Dimensions: 206x262x25mm
- ▶Weight: 510g

1 | Case for iPad (schwarz)
No. 290002

2 | Case for iPad (weiß)
No. 290003

3 | Case for iPad (olivgrün)
No. 290004

4 | Case for iPad (gelb)
No. 290005

5 | Case for iPad (gelb)
No. 290006



1 |

3 |

4 |



5 | Hand Strap
easily removable. A hand strap and a shoulder strap (p.8) can be attached simultaneously
No. 290070



6 | Waterproof Charging Port
Can also be mounted without tools. For charging and synchronizing, even in water.
No. 290058



7 | Quick Snapper
The case can be attached and removed within few seconds. Fully compatible with C-Ball RAM-Mount system, see page 11 (not included)
No. 290080



8 | Shoulder Strap
With one or two shoulder straps the Case cannot only be worn over the shoulders, but also in front of the body.
No. 290060

RAM-Mount

The RAM mount system is a cost-efficient way to mount everything in place. By combining various modules, of which only a few can be presented here, each user can find just the right holder. This means the case can be fitted in a car, on a motorcycle, forklift, sailing boat or wherever necessary.

In order to securely fix the iPad case in place, ball-size C RAM mount modules are the mount of choice. Smaller size-B modules can be used for the smaller aiShell™-case as long as no particularly strong forces occur.

A RAM 202 can be directly screwed onto the back of the case. Lockable modules are also available to prevent unauthorised removal from the case. Alternatively, a RAM 202 can also be attached to the back of the Quick Snapper, so that the case can be removed within a few seconds from its holder.

Size recommendation



1 | RAM-231
RAM W/U-Bolt für 3/4" to 1"
DIA
No. 404513

2 | RAM-b-231z
RAM W/U-Bolt für 0,5" to
1,25" DIA (Abb ähnlich)
No. 109022



A-ball



B-ball



C-ball

Case for iPad
aiShell



D-ball



E-ball



3 | RAM-201b
Short connecting piece
90mm for C-Ball units
No. 303205

4 | RAM-b-201
Short connecting piece
60mm for B-Ball units
No. 109011



5 | RAM-201
Medium connecting piece
140mm for C-Ball units
No. 303405

6 | RAM-b-201
Medium connecting piece
90mm for B-Ball units
No. 109010



7 | RAM-201d
Long connecting piece
220mm for C-Ball units
No. 303305

8 | RAM-b-201c
Long connecting
piece 150mm for B-Ball units
No. 109012



9 | RAM-271-2
roundpipe Base 2"- 2 1/2"
No. 303247



10 | The RAM 235,
double u-bolt Mount, for
0,5" bis 1" pipes.
No. 405200

11 | The RAM-b-235
(B-Ball) rouble u-bolt Mount,
for 0,5" bis 1" pipes.
No. 109077



12 | RAM-202
Base to connect the aiShell
backside with all other RAM
Mount units.No. 303304



14 | RAP 224
Twist lock suction cup base
fit's for b- and c-ball units for
example RAM-202
No. 303377



15 | RAM-271-12
for pipes with 1,25-1,85"
diameter
No. 303242



13 | RAM-b-202
(B-Ball) Base to connect the
aiShell backside with all
other RAM Mount units.
No. 109001



17 | KNOB5L
The RAM locking knob,
includes a brass 5/16"-18
thread, for 1.5" socket arms;
this allowing you to disen-
gage the screwing of the
knob. You can lock your
mount in place and feel safe
that your mounted device will
stay right where you left it.
No. 303406

18 | KNOB3L
The RAM locking knob, includes
a brass 1/4"-20 thread, for 1" (B
size) socket arms; this allowing
you to disengage the screwing of
the knob. You can lock your
mount in place and feel safe that
your mounted device will stay
right where you left it.
No. 401185

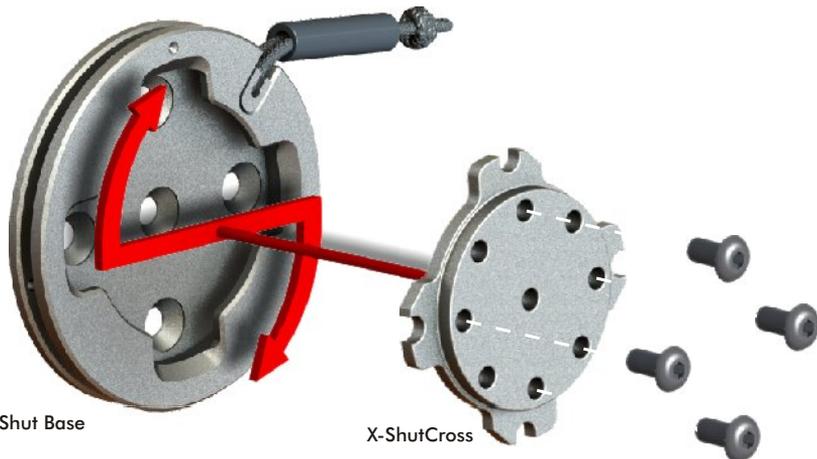
16 | RAM-313-C
for pipes with 1,5" diameter
No. 404725

X-Shut-System

Although the X-Shut system was not developed exclusively for our case solutions, and can be used for various other applications, it is perfect for the aiShell. For using the X-Shut system, it is sufficient that the X-Shut cross is bolted on the backside of the aiShell. With this component, a highly reliable but still quickly detachable connection with the X-

Shut base is supplied. Loads range between 200-900 kg depending on application and selected material.

Similar to the RAM-Mount system, the X-Shut base can either be screwed on directly, or it is combined with one of the many accessories available.



X-Shut Base

X-ShutCross

1 | X-Shut Cross Alu

The X-Shut Cross can be attached to various different things, like e.g. the aiShell. The 9 M3 - threads for the screw mounting are located in the X-Shut Cross. Since actual holes must be drilled into the aiShell, the screws are supplied with an O-ring for sealing purposes. Material Aluminium.

No. 370023



2 | X-Shut Base+ Cross Alu
No. 370000

3 | X-Shut Base+ Cross Stainless Steel
No. 370001

4 | X-Shut Base+ Cross Stainless Steel black
No. 370002

5 | X-Shut Base+ Cross Titanium
No. 370003



6 | Base Frame

Prevents dirt from entering the X-Shut Base and prevents it from accidentally getting caught up in something.

No. 370021

7 | Blind Cover

To cover the X-Shut Base not being used. Makes sure it doesn't get lost. Base frame on figure not included

No. 370022



2 | X-Shut Belt Clip S
For belts with up to 37mm width
No. 370025

2 | X-Shut Belt Clip M
For belts with up to 60mm width
No. 370024

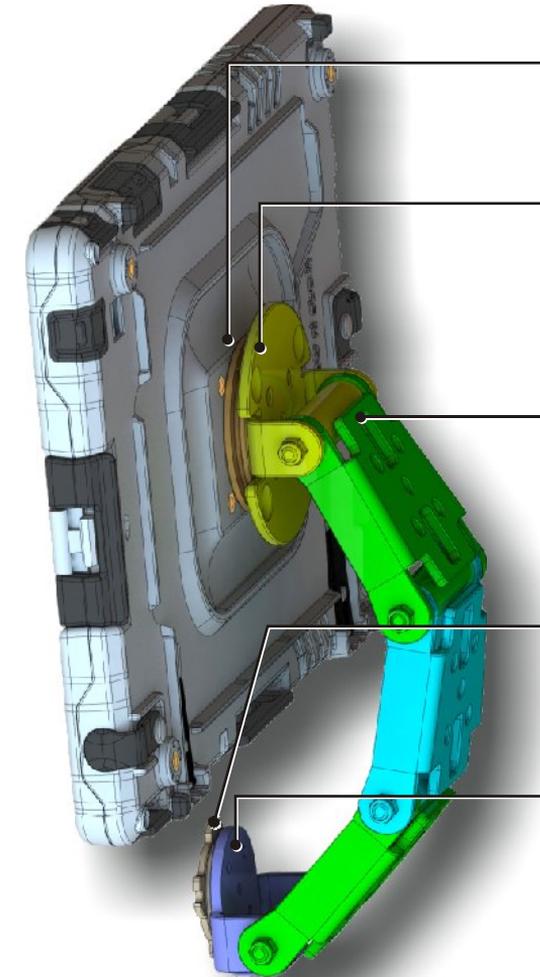


X-Shut extensions SPIDER and SNAKE

With the SPIDER and the SNAKE extension, this system is finally an all-rounder. By combining the different items and individually putting them together you can obtain exactly the functionality you need.

The extremely stable SPIDER-links (only for authorities and armed forces) are supplemented by the low cost SNAKE-

Arms, which are available in 4 lengths. The X-Shut cross or the X-shut base is ideally located at the head or foot of each combination. Generally, however, a direct bolting is possible as well. By the more or less increased tightening of the axle bolts, individual joints may be blocked or remain smooth running.



1 | X-Shut Base (e.g. steel)
Made from various materials. See more on page 20 # 1-4

2 | aiShell mount SPIDER / SNAKE
To connect the SPIDER / SNAKE with the aiShell. Either directly screwed on or by using another X-Shut Base. The four outer holes are also compatible with the RAM-B-202
No. 370006

3 | Chain link SPIDER
Material aluminium. 50mm axial distance max. Range of motion 160 ° (Available for authorities and forces only.) Can also be combined with SNAKE items.
No. 370005

4 | X-Shut cross (for example aluminium)
Another connection to a X-Shut base can be established with this item, e.g. on a leg section (p. 23) or a plate carrier.
No. 370023

5 | Base holder SPIDER
To connect the SPIDER / SNAKE with a X-Shut cross. Range of motion 100 °.
No. 370004



6 | X-Shut Ball joint
0-45 ° lockable connection link
No. 370020
in 2014 available



7 | Base holder SNAKE
To connect the SPIDER / SNAKE with a X-Shut cross. Range of motion 360 °
No. 370007

8 | arm 40 SNAKE
Material aluminium. 40mm axial distance incl. axle and screws
No. 370008



9 | Arm 60 SNAKE
Material aluminium. 60mm axial distance incl. axle and screws
No. 370009



10 | Arm 100 SNAKE
Material aluminium. 100mm axial distance incl. axle and screws
No. 370010



11 | Arm 170 SNAKE
Material aluminium. 170mm axial distance incl. axle and screws
No. 370011

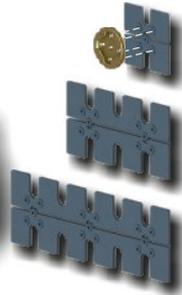


Belt and Molle Adapter



1 | Single

2 | Double



2 |



1 |

1 | Molle Adapter Vertical

The X-Shut base obtains increased stability in the vertical direction with the vertical Molle adapter. This is especially useful when using the SNAKE, or the SPIDER system.

No. 370026

2 | Molle adapter Horizontal

With the horizontal Molle adapters, the X-Shut basis can be connected to the Molle system.

In this way, two or even three X-Shut bases can be arranged next to each other.

Single No. 370016

Double No. 370017

Triple No. 370018

Plate Carrier



Attachment to the plate carrier

With the extensive X-Shut product range, which cannot be fully represented in this catalogue, is it not only the aiShell mini that is mounted on military equipment parts such as the plate carrier or other tactical vests. It can also be used for virtually any other equipment.

With the help of the SPIDER and SNAKE items, the device can be used for the upper body in a stable and a comfortable way; it is then easily folded up again when not needed. Similarly, the device can be completely removed for a non-permanent use.

In special versions, the items made of titanium are also available, which are characterized by a special corrosion resistance towards salt water.

The SNAKE-system shown on the left ist the low cost and also very stable version of the SPIDER-system, wich is available only to authorities and forces.

The selected combination of the three different SNAKE items is just an example, 1-2 items in the appropriate length are usually enough. As for the items shown on the left side, the optimal solution for appropriate use and requirements can be established for each area of usage.

Leg Holder



Figure: A possible combination to connect leg section and aiShell using SPIDER chain links.

The leg section is the perfect solution for cockpits or vehicles where only limited space is available. It is fully compatible with the X-Shut system through the X-Shut base. In that way both the SPIDER-system and the various SNAKE-system can be used as intermediate items. In this way, distance and functionality can be optimally adapted according to the needs of the user. The surface of the leg section is rubberized to prevent it from slipping and reinforced by an aluminium plate. It is fixed in the length of one of three adjustable elastic straps to the leg, or belt and can be removed by the fasteners if necessary.



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