



Roboflex® Solutions for Field Operations

Roboflex® Solutions for Field Operations are applicable across various industries such as mining, agriculture, logistics, and port operations.

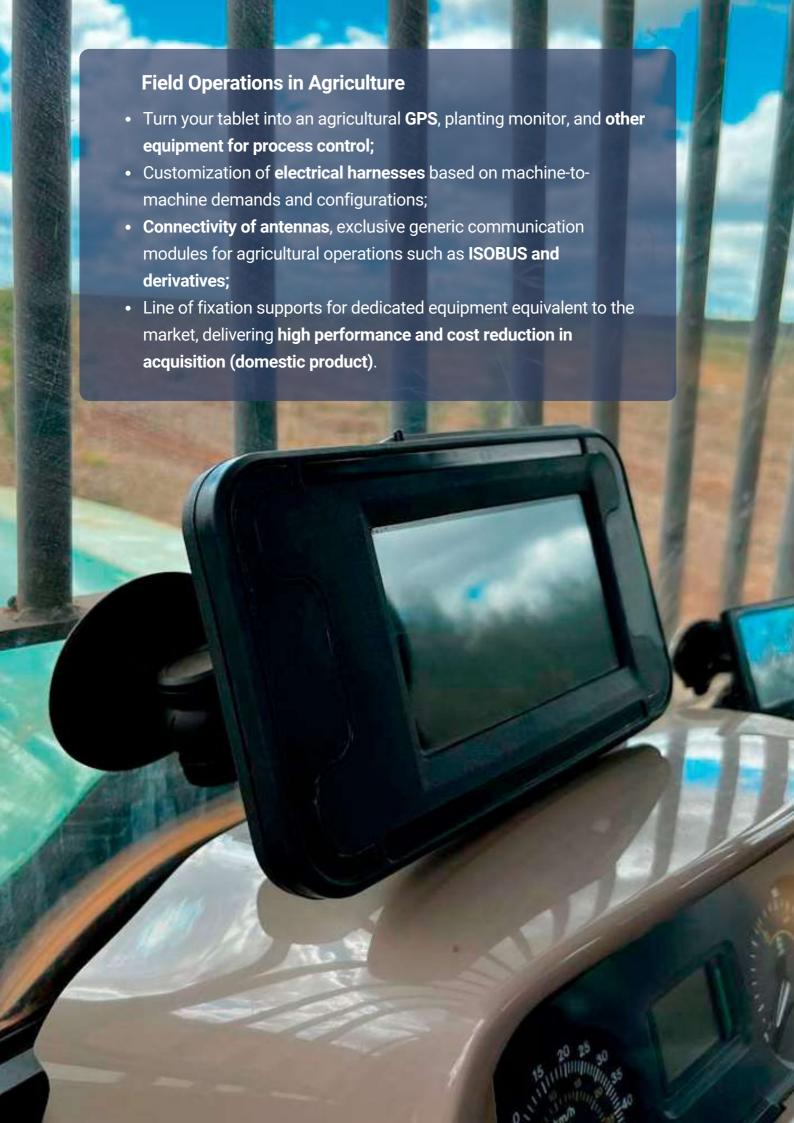
We tailor mobile devices to the specific nuances of each sector, providing **connectivity**, **protection against extreme conditions**, and **integration of sensors and devices**.

Our robust solutions **transform mobile devices into onboard computers** that withstand extreme environmental conditions and the rigors of diverse operations, thus **extending the devices' lifecycle**.

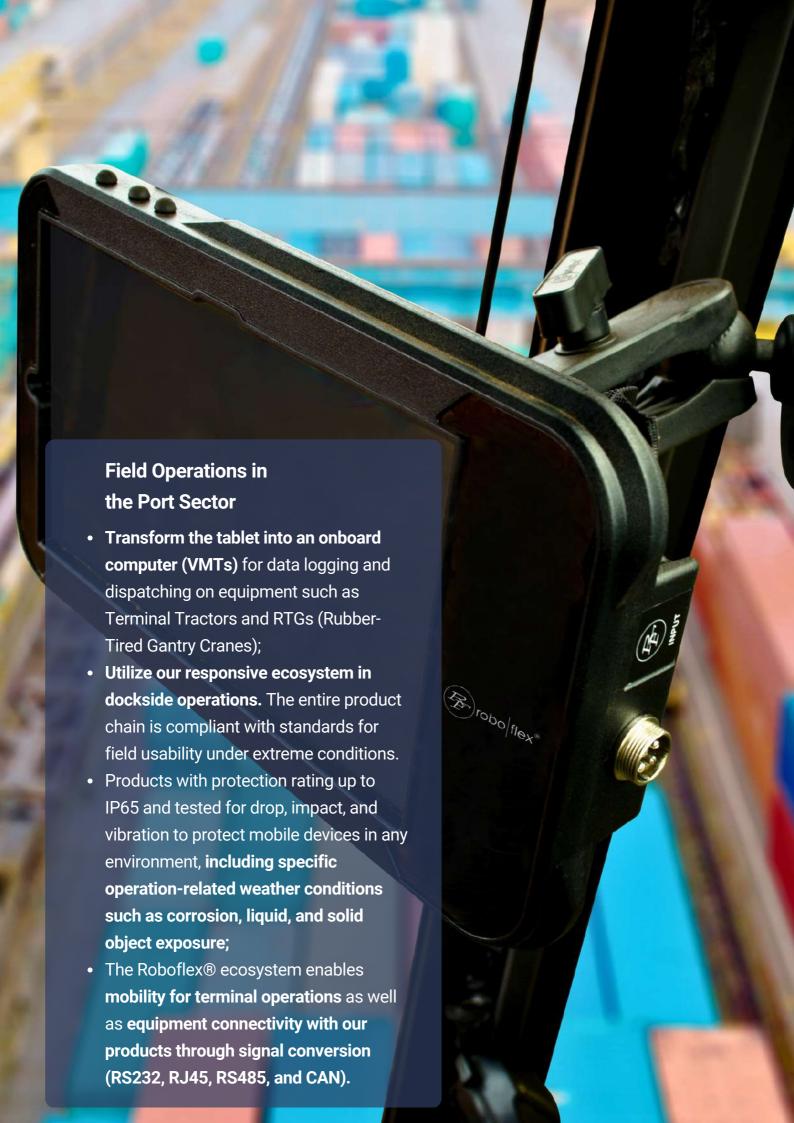
Roboflex® tablet cases feature **protection ratings** ranging from IP54 to IP65, making them resistant to drops, impacts, and vibrations, ensuring connectivity in extreme environments, allowing connections and integrations with various devices, sensors, and software.

Roboflex® ecosystem mounts are versatile, with mounting options that can be installed in different environments and equipment.

Across all areas, Roboflex® solutions adapt through expertise in hardware and technology, providing solutions that maximize efficiency, quality, and profitability in field operations.









Mount the ideal Roboflex® solution for your operation

Customize a suitable solution for your operation.



Build the ideal Roboflex® solution for your operation

Customize a suitable solution for your operation





Sealed case without attachment Case without base for rear attachment, ideal for greater



Screw-mounted case Ideal for operations where the equipment will be fixed and will not need to be removed from site.



Magnetic case
Ideal for operations where equipment
needs to be removed from site, during
or at the end of the operation.

2 Base to attach to case

mobility in field operations.



Screwed



Magnetic Base





Short arm



Long arm

Bases for fixing to the surface



Screwed



Tubular



Adhesive



Suction cup base

5 Device charging and/or data transfer



Cable



Magnetic



IP54 car charger



IP65 car charger

Roboflex® Case

Roboflex® cases are **designed for operations in extreme environments.** We use full coupling, fully protecting all tablet faces. All our lines meet standards for **protection and resistance to drops, impact, and vibration.**



High strength material



Product with responsive design



Protection against bad weather



Long life product



Roboflex® Standard



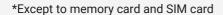
Robust ecosystem with a foundation of secure both mechanical and electrical connections

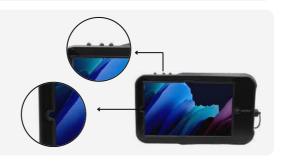


Offers charging capability to all cases even in extreme environments.

Includes protective film ensuring maximum preservation of screen integrity, guarding against scratches, smudges and other possible damage

Availability of all* device features, such as buttons and cameras

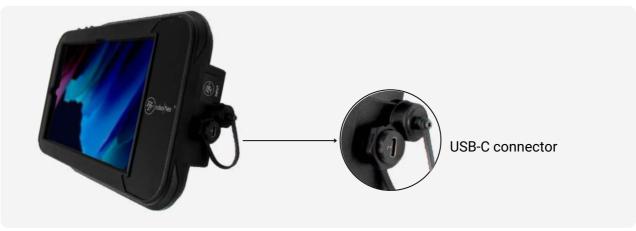




Roboflex® Resources

One of the features offered by Roboflex® is the **customization of the connectors**, thus enabling the tablet to connect to the most varied equipment. These connectors **can be used for charging and/or data transfer**.





Roboflex® Resources

The technologies used in Roboflex® solutions offer compatibility for the use of sensors, reading of industrial signals, amplifier boxes and device cooling, all integrated into an ecosystem of hubs, adapters and other peripherals.



Charging + Data



Anti-theft system



Industrial Connectivity
Greater durability and safety
compared to standard connectors

Differentials





Ventilation

Option to incorporate a ventilation system for equipment constantly exposed to sunlight or high temperatures, ensuring improved functionality and an extended device lifespan.

*With this feature, the case will not have a specific degree of protection.





Audio output

Connection to audio devices such as headphones and speakers via P2 input *With this feature, the case will not have a specific degree of protection.



Signal converters USB-C technology



HUB

Roboflex® signal converters are compatible with various devices such as I/O, ethernet, CAN, RS232, USB, P2 and others, helping to maintain the connectivity of the operation.

Roboflex® HUBs offer port expansion and a variety of connections for other devices, being able to add USB ports, industrial and vehicular communication protocols.

Roboflex® Magnetic Case

Ideal for operations in which the equipment needs to be removed, during or at the end of the operation.

The Roboflex® magnetic system was developed to withstand constant removal of equipment during operation. Keeps the device charged when the plug is connected to the case.

Possibility of including an industrial connector, USB-C or Micro USB inputs.

It offers robustness in field activities, withstanding extreme situations, such as vibrations, impacts, bad weather and repetitions as the product is constantly removed during the operation.

Ideal for operations such as:



Operational checklist;



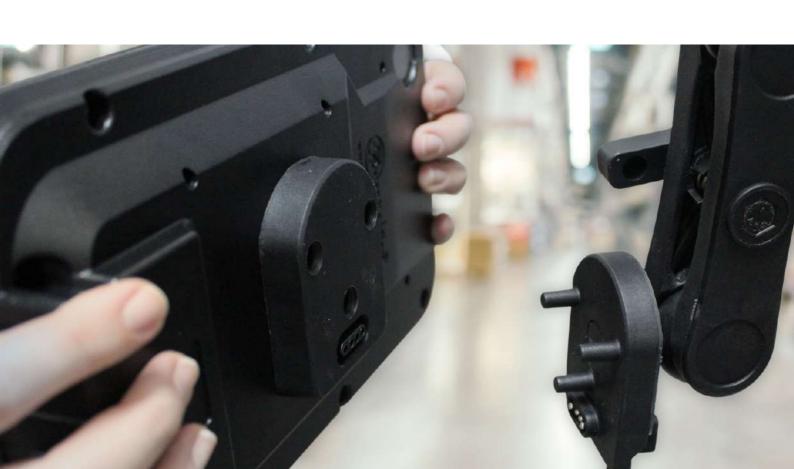
Need for decentralized notes of the fixation location;





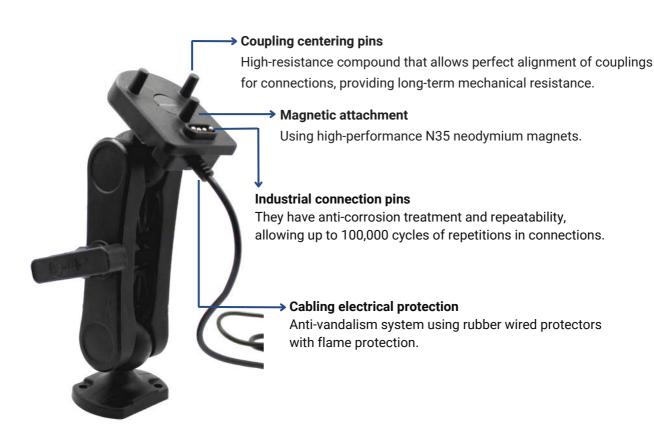


Magnetic plug technology



Roboflex® Magnetic System

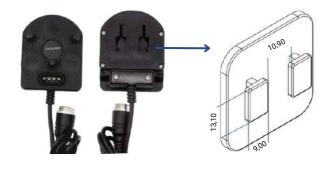
The Roboflex® magnetic system is an **exclusive technology** that **allows devices to be fixed and charged** in Roboflex® ecosystem cases and was developed to **support the constant removal of equipment** during operation, keeping the device charged when the plug is connected to the case.





Magnetic plug Size C (1.5") Code: PLG040005

Weight: 180g



Magnetic plug with coupling

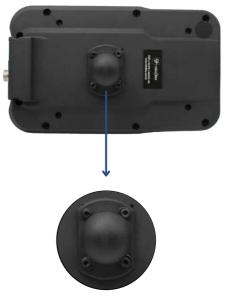
Code: PLG040007 Weight: 100g

Screw-mounted Case

Ideal for operations in which the equipment will be fixed to supports, whether on walls, columns, tables, etc. and there is no need to constantly remove it, allowing the equipment to be used by multiple users.

Produced with high-resistance and lightweight material, it is a great solution for keeping your equipment safe without compromising adjustability.

Possibility of including an industrial connector, USB-C or Micro USB inputs.



Fixed base compatible with the Roboflex® supports ecosystem

Case Without Attachment

Ideal for greater **mobility in field operations**. Case option without base for rear attachment. With the use of handles, they are **ideal for dynamic field operations that require constant mobility**.

Possibility of customizing the industrial connector, USB-C or Micro USB inputs.



Mobility

Roboflex® Cases allow the addition of handles for use in the field.

Compatible with all cases.



Shoulder strap





Usability

Roboflex® Cases offer the possibility of adding support for the tablet's pen.

Check compatibility with our products

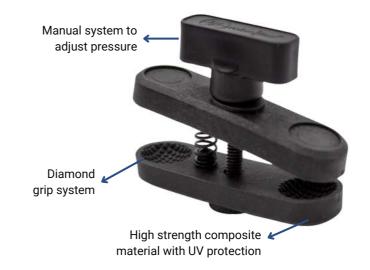


Arms

Roboflex® arms feature the diamond grip system, responsible for providing maximum adherence to the base.

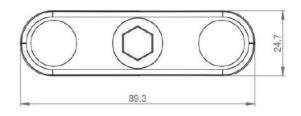
In addition to this technology, the arms also incorporate the **knob adjustment** system, suitable for **calibrating the pressure between the product's components.**

The arms are constructed from a material that offers high strength and UV protection, which extends the product's lifespan and reduces its weight.



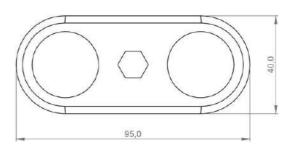


Short arm Size B (1") Code: BRC040003 Weight: 80g



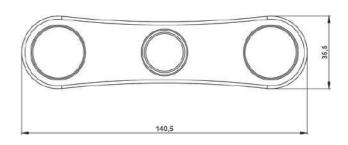


Short arm Size C (1.5") Code: BRC040004 Weight: 140g





Long arm Size C (1.5") Code: BRC040002 Weight: 160g



Self-locking arm

Unlike the traditional model, the self-locking model has an **arm adjustment system using a key**.

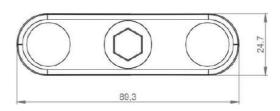
Ideal for restricting the number of people who can perform adjustments on the piece and preventing theft, theft, vandalism and sabotage.

Adjustment system with key for tightening with the base with the base Diamond grip system

Highly engineered composite material allowing greater strength and weight reduction

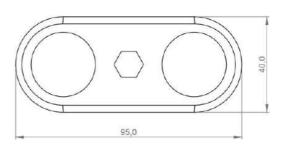


Short self-locking arm Size B (1") Code: BRC040006 Weight: 60g



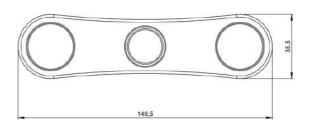


Short self-locking arm Size C (1.5") Code: BRC040007 Weight: 140gr





Long self-locking arm Size C (1.5") Code: BRC040005 Weight: 140g



Tubular base

Tubular bases offer a practical and safe solution for fixing tubular objects and can be installed on **tubes up to 28mm**.

Ideal for installation on forklifts, tractors and other spaces with round tubes.





Tubular base Size B (1") Code: BSE040022



Tubular base Size C (1,5") Code: BSE040023



Double tubular base Size B (1") Code: BSE040025



Double tubular base Size C (1,5") Code: BSE040024

Adhesive base

The adhesive base allows application to the equipment without the need to drill or alter the fixing surface. It is the ideal option for cases where it will be necessary to remove the device after a period of time or cases where the available surface does not allow drilling for fixation.

Developed with technology that allows adaptation to irregular surfaces where the base molds itself according to the application geometry, and can be applied to plastics, glass and metals.



Malleable flat base with a diameter of 100mm. Allows attachment on flat and organic surfaces.



High-performance adhesive with durability up to 150 degrees after application.



High-tech adhesive for fixing. Can be reused with refill kit



Easy process of removing the product after its period of use



Adhesive base Size B (1") Code: BSE040020



Adhesive base Size C (1.5") Code: BSE040021

Screwed base

The screwed base is intended for operations where **the surface can be drilled** and easily accessed by all users.

Made of high-strength and lightweight material, it's a great solution for keeping your gear safe without compromising adjustability.



High-strength material



Protection against bad weather



Lightweight product and modern design



Long life product



2-hole base Size B (1") Code: BSE040010



2-hole base Size C (1,5") Code: BSE040011



4-hole base Size B (1") Code: BSE040007



4-hole base Size C (1,5") Code: BSE040008



7-hole base Size B (1") Code: BSE040003



7-hole base Size C (1,5") Code: BSE040004

Suction Cup base

The suction cup line is ideal for users who need to constantly remove the equipment during or at the end of the operation, offering dynamism and ability to resist impacts and temperature where it will be fixed.

The fixing is long-term resistant, even in operations that present high temperatures, providing extra security for fixing to glass, metal, non-porous and groove-free surfaces.



Roboflex® suction cups use instantaneous vacuum technology with a high level of absorption.



Suction cup base Size B (1") Code: BSE040016



Suction cup base Size C (1.5") Code: BSE040015



Double Suction Cup Base Size B (1") Code: BSE040017



Double Suction Cup Base Size C (1,5") Code: BSE040018



Triple Suction Cup Base Size B (1") Code: BSE040014



Triple Suction Cup Base Size C (1,5") Code: BSE040012

Adapters



Extender Size C (1,5") Code: BSE040026 Used to **extend the support length**, requiring the **use of two arms**.



Base ball Size B (1") Screw 1/4" Code: BSE040028 Base with a 1/4" screw size, compatible with international replacement bases.

Ø 3,3 mm



Adapter base Size C (1,5") Code: BSE040029 24,0 mm

*Product outside the AMPS hole standard.

Cables and chargers

The cables and chargers offer charging and data synchronization capabilities.



Code: CBO040008

IP65 charging cable

O cabo de carregamento IP65 apresenta as seguintes especificações:

- Dust protection
- · Protection against temporary immersion
- Resistance against corrosion due to sea spray
- Protection against water jets



Code: CBO040007

IP54 charging cable

The IP54 charging cable has the following specifications:

- Dust protection
- Protection against water jets
- Industrial connector



IP65 Charger Code: CAR040004

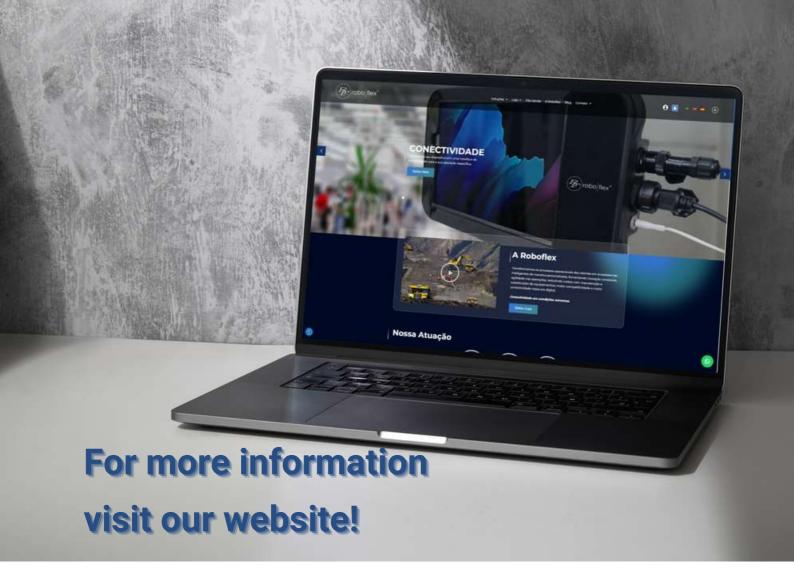


IP54 Charger Code: CAR040005

TECHNICAL CHARACTERISTICS

- Voltage range: 11 to 31V
- Voltage output: 5.5V
- Maximum current: 10A
- Regulatory:
 - EN 55032: 2015+AC:2016+A11:2020
 - EN 55035: 2017+A11:2020
 - EN IEC 61000-3-2:2019
 - o EN 61000-3-3:2013+A1:2019

- Overcurrent and overvoltage protection
- High efficiency up to 95%
- Over-temperature shutdown, output shortcircuit protection
- It has holes that allow the equipment to be fixed with screws.
- Cable length: 1m



We have redesigned our website to give our existing and potential customers an insight into our solutions and services offered. Stay tuned to our blog for information on technologies, industry news and our solutions.

For questions and information please contact our sales team.



Click <u>here</u> and go to our website or point your phone's camera at the QR Code.

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