

# TEC CONTAINER TERMINAL PORT EQUIPMENT



**Safety Cages**



**Overheight Frames**



**Spreaders**



**Other Equipment**



ENGINEERING AND PRODUCTION OF CARGO SECURING & LIFTING EQUIPMENT SINCE 1976



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Welcome to TEC CONTAINER S.A.

We are a company based in Spain, specialized in the design and the production of equipment for Container Handling & Lashing, General Cargo, Wind Energy and Equipment for Personnel Security in Terminals and Ports.

- Since 1976, the year in which the company was founded, TEC CONTAINER has supplied products to more than 70 different ports in more than 40 countries all over the world.
- Since 1976, more than 250 new vessels have been originally supplied with the lashing equipment of TEC CONTAINER.
- Since 1976, more than 1500 Spreaders have been delivered to customers in more than 40 different countries, together with variety of models of Safety Cages, Overheight Frames, Lifting Beams and tailor-made Container Handling Equipment.

To learn more about TEC



container  
lashing



handling  
equipment



naval  
engineering



personnel  
safety cages



wind  
industry



industrial  
vehicles



we sell  
containers

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More information:  
<http://www.teccontainer.com>

# TEC CONTAINER PROFILE

## Welcome to TEC CONTAINER S.A.

We are a company based in Spain, specialized in design and production of equipment for Container Handling & Lashing, General Cargo, Wind Energy and Equipment for Personnel Security in Terminals and Ports.

Since 1976 we have developed different product lines aimed at the port activity, currently representing the following Branches.

More than 35 years of experience



**industrial  
vehicles**



**wind  
industry**



**handling  
equipment**



**personnel  
safety cages**



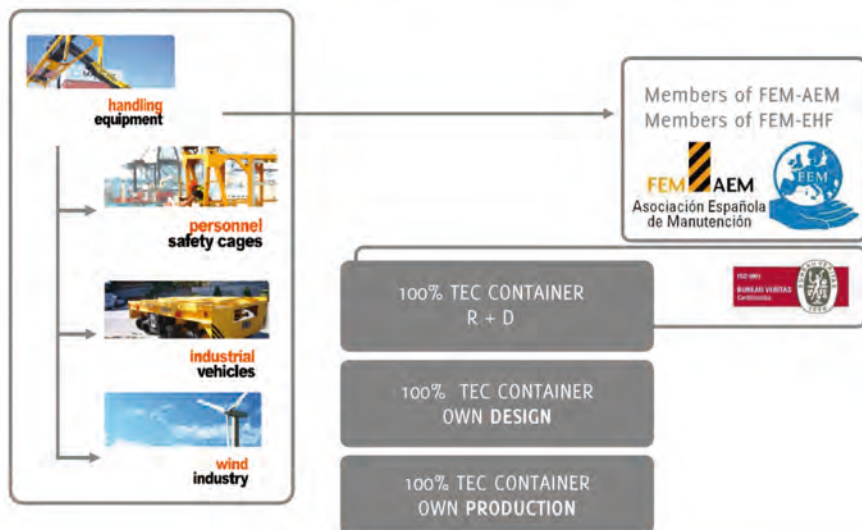
**container  
lashing**



**naval  
engineering**

## Technical department + Factory

Tec Container has developed through the years a great variety of original designs for Handling Equipment. Our products are constantly improved, we provide the best solution for handling special cargo.



# SAFETY CAGES

## THE RIGHT OPTION TO WORK SAFELY



BA-185B

Result of development work with stevedoring and workplace safety companies, we present the BA-185 safety cage for spreaders, with it is three models depending on the use to which it is intended:

**Series L.** For Intense Stevedoring Purposes.

The L series is equipped and prepared to facilitate the work of stevedores, having two removable inner bins for twistlocks storage. It has four doors, two for entry and exit operators and two specially designed for an easily download the containers by using forklift.

**Series B.** The Best for Internal Transport:

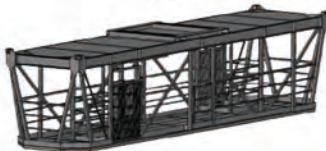
This cage has the interior space completely open, two side doors and rubber non-slip flooring for extra security.

**Series C.** Combined Solution for difficult access areas:

The C series is designed as a rescue platform. It has a door on each side adequately, sized for easy the entry of a stretcher and the necessary rescue equipment in case of accident.

In addition, Tec Container offers a plus of customization. We can modify these models to adapt them to the requirements of the port terminals.

**All available in 20 and 40 ft.**



## Basic Equipment

Every safety cage is equipped with the following basic equipment:

- Double Safety Connection Cage-Spreader System:
  - Automatic: Through the Twistlocks of the spreader.
  - Manual: By using a safety Quick Hook and Chain from the interior of the cage.
- Safety Railing along the whole perimeter and internal handhold at 150mm.
- Completely covered Ceiling except in the corners, which remain opened to enable fitting of manual couplings of cage to the Spreader.
- 150mm high Toe Recess along the whole perimeter.
- Non-slip floor with drain spots.
- Two doors, one on each side, with opening towards the interior, spring close-system and automatic locks.
- 4 ISO holes for Personnel Harnesses near Safety Cage Doors.
- Neoprene-lined hooks to place 4 actuator poles for Twistlocks.
- Top-embedded locker to maintain the Security Harnesses while not in use.
- Safety instructions in most common Languages.

## Technical Data

- Size 20' and 40' ISO container
- Tare 3.500kg.
- Max working load: 6.000kg.
- Max Weight (Tare included): 9.500kg

For more information and inquiries go to

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



Series C in a rescue drill. Port Nou (Barcelona)



Series L at work in TCV, Valencia

 **LASHINCAGES®**  
.COM



FEM/AEM  
Asociación Española  
de Manutención



# OVERHEIGHT FRAMES

## Fully Automatic Overheight Frames

### Main Features

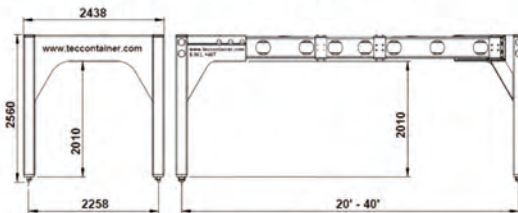
- Triple safety system:
  - Pins which detect the contact with the container.
  - Sensors which detect the positions of the cones.
  - Light signal clearly visible for crane operator.
- Opening and Locking directly activated from cockpit.
- Fully programmable PLC for safety system control.
- Switch on / off automatically.
- Low battery Indicator.
- Very easy maintenance.
- Energy supplied by gel battery: long life duration and cutting-edge technology.
- Battery charger incorporated.
- Guaranteed for use in sea environment.
- CE Certificate incorporated.

### Optional Equipment

- Solar panels
- Extra set of security Twistlocks.
- Extra set of safety lights.
- Annual safety check.
- Assembly at destination.
- Certified by any classification society.

### Technical Data

- Complete structure in S355J2+N.
- Safety cones in F-1252.
- All sensors with protection degree IP67.
- Electrical actuator stainless IP67.
- Painting Specification suitable for Sea Environment.



### Another Operation Modes

- Manual
- Mechanical
- Semi-automatic

All Available in all sizes fixed and telescopic 20' to 40'



BA-008E 40' fixed, MSC terminal Valencia



BA-030ET telescopic 20' to 40', ADIF train terminal



BA-030ET telescopic 20' to 40', TTI terminal Algeciras



BA-030ET telescopic 20' to 40', TTI terminal Algeciras

# OVERHEIGHT FRAMES

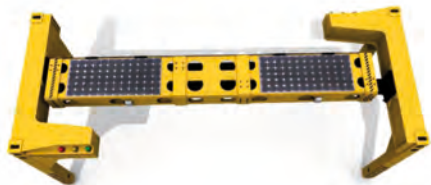
BA-030ET

READY TO BE USED  
FROM THE FIRST DAY  
WITH ANY SPREADER



The constant contact with port terminals helps to develop the different products and solutions that Tec Container provides. Thanks to that we can offer the right model for each terminal, whatever your budget or your technical needs are.

Thanks to these developments, Tec Container presents the BA-030ET, our most advanced fully electric and telescopic model. It's main feature is "Plug & Play" technology, which allows to use it with any spreader from the first day without modifications, permitting to follow the cycle of loading / unloading of the different machines available in the terminal. This, together with its solar panels, which provide almost unlimited autonomy, and the fact that it's operated remotely from the cockpit controls, makes it highly recommended for any terminal.



## Option Settings

### Operation modes

- Manual
- Manual + Semiautomatic
- Semiautomatic
- Fully Electric

### Sizes

- Fixed standard sizes, 10', 20', 35', 40' and 45'.
  - Telescopic 20' to 40'
- Other sizes under petition.

### Optional Equipment for all models

- Guides/flippers
- Security Pins
- Gravity point regulator
- Forklift Pockets
- Extension chains for damaged containers
- Below -40°C configuration



Fixed 20' fully electric for height limitation



Telescopic 20'-40' spreader with flippers and gravity point regulator



BA-227

Tec Container presents Container Spreaders.

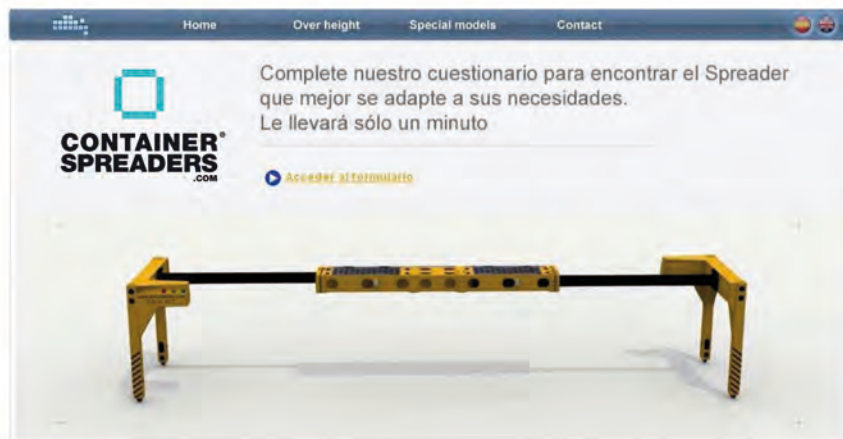
Tec Container, for more than 35 years, has produced over 1000 light spreaders, developing a wide range of customized solutions, proven by our experience.

All these solutions and expertise have been uploaded to ContainerSpreader.com, a website that allows you to configure and customize spreaders according to your needs and budget, with photographs and technical information. A pioneering tool in the sector that will facilitate the decision-making.



**CONTAINER<sup>®</sup>  
SPREADERS**  
.COM

Welcome to [www.ContainerSpreaders.com](http://www.ContainerSpreaders.com)



Overheight Frame

**BA-030ET**



Special Models

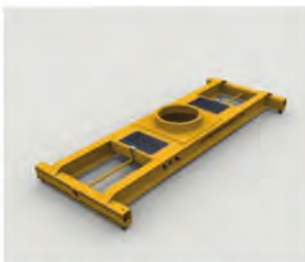


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Fixed 20' semiautomatic



Fixed 20' electric rotatory with solar panels



Fixed 20' semiautomatic + manual



FEM AEM  
Asociación Española  
de Manutención



# WIND INDUSTRY EQUIPMENT



More efficiency, lower cost of machinery, minimizes the space required to stock by reducing the store place, fewer number of operators ... all without losing security! The numerous solutions developed together with the main companies of wind industry, make from Tec Container a reference in the market.



BA-110C+BA-194 at work



Prototype BA-249 testing in Gamesa facilities



Frame BA-190 loading wind tower section



BA-110 for forklift handling wind rotor

## OTHER EQUIPMENT

The volume, weight and way of loading of goods in a port terminal is very diverse, and facilities must be as versatile as possible without forgetting safety and efficiency of cargo handling.

Tec Container technical department is fully aware of these premises and continually proposes and develops solutions to maximize the performance of the machinery.

The models presented here are only examples of an extensive range of solutions that have been designed for different terminals, from a single beam to more complex equipment for wind energy industry.

### Coil Handlers



BA-110P handling coil in ADIF facilities



BA-138 multiple coil handler for



BA-141 rotatory C-hook for forklift

### Multipurpose Hooks



BA-175G multipurpose heavy beam



BA-110C multipurpose hook for spreaders



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