



# CAKEBOXX CONTAINERS

INNOVATIVE  
CONTAINER SOLUTIONS



## PRODUCT CATALOG



[www.cakeboxx-technologies.com](http://www.cakeboxx-technologies.com)



# CAKEBOXX® CONTAINERS

## WHAT'S IN THE BOXX?

### INNOVATIVE 'DECK AND LID' DESIGN

*The key feature of every CakeBoxx 'two-piece' container is the unique deck and lid construction. In addition to making cargo loading and unloading a simpler and safer task, the deck and lid design seals and secures the container contents entirely, making unauthorized access and theft virtually impossible.*



#### TrusDek®

All CakeBoxx two-piece containers, with their deck and lid design, are built with the extra-thick TrusDek. This specially-engineered deck is designed to carry heavy, top and side-loaded machinery, break bulk, and project cargo shipments that require extreme strength, hardware mounts or under-deck additions. All CakeBoxx decks can be handled fully loaded as a pallet without the lid installed.



#### Locking System

The simple and efficient **Vertical Locking System™** is another feature built into every CakeBoxx two-piece product. This easy-to-use twist lock system appears above all four corner castings of every model. It is used to secure and release the lid to and from the deck by simply rotating 90 degrees.



Open / Unlocked



Closed / Locked

CakeBoxx models larger than 40' in length also include an **End Locking System**. This comprises four sliding locking rods, two located on each end at the outboard corners, and heavy-duty capture lugs mounted to the deck in corresponding locations - these easily slide into position to lock and unlock.



Open / Unlocked

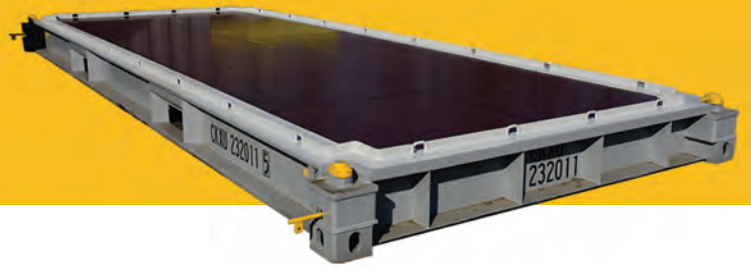


Closed / Locked

# THE CAKEBOXX DECK

EXTRA THICK DECK - HIGH STRENGTH AND SECURITY FOR HEAVY CARGO

*The deck portion of a CakeBoxx two-piece container is the flat platform which the lid secures onto. CakeBoxx decks offer the strength and loading ease of a flat rack or open top design combined with the security and protection of a completely enclosed container.*



## ***Easy to Handle, Secure and Reliable***

The TrusDek® Series is the latest CakeBoxx deck technology and comes as standard on all CakeBoxx container types, sizes and configurations. The deck design locks to the lid, keeping cargo safe and secure during transport and storage. It conveniently loads like a flat-rack or open-top container and is handled by all standard container handling equipment and a wide variety of commercial lifting equipment.

The thickness also allows it to be used as a pallet after the lid is removed. It can be used as a movable pallet, an equipment foundation or other useful applications while still supporting the full rated payload of the container.

The CakeBoxx deck and lid design uses the Vertical Locking System (VLS) comprised of super-tough, easily-operated twist locks. This makes the lid extremely easy to place and remove, while providing a very high level of reliability and maintainability. Standard CakeBoxx decks are available in two different configurations:

## ***Flat, Open Deck***

The flat, open CakeBoxx deck allows for maximum usable footprint and is ideal for side loading with equipment such as forklifts.



*Flat, open deck*

## ***Recessed Deck***

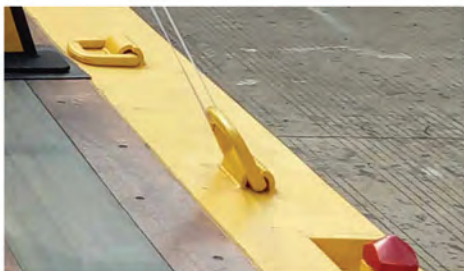
The recessed deck allows more vertical space for cargo, and provides a secure fit, which can be a benefit for rolling stock or heavy equipment.



*Recessed deck*

## ***Versatile Perimeter Tie Down System (PTS™)***

Customer-defined lashing points with up to 30 flush-mounted, heavy-duty D-Rings provide a wide array of cargo lashing options. The thickness of the TrusDek deck allows the floor to be customized with countersunk, threaded attachment points for a variety of anchor fittings or through-bolts, allowing options to secure cargos in ways that ordinary, doored containers cannot.

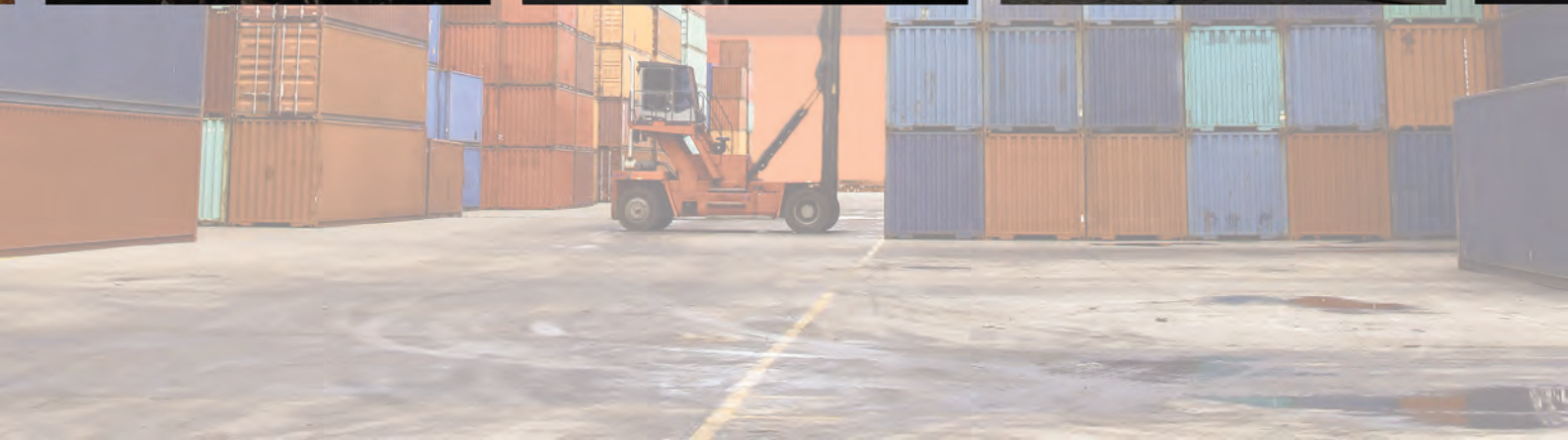
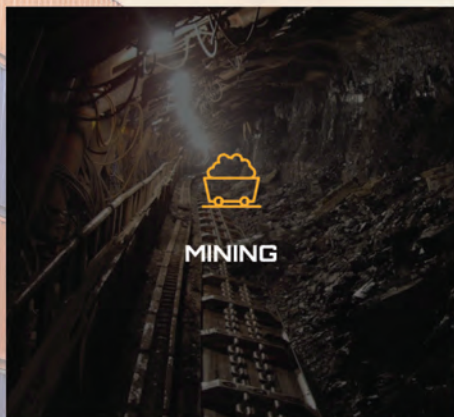




# MARKETS WE SERVE

WORLD CLASS SOLUTIONS ACROSS INDUSTRIES

*Some of the many markets and industries we serve.*



# CAKEBOXX CUSTOMERS

## INDUSTRY TRUSTS CAKEBOXX

*Our transportation solutions benefit customers and partners in a range of industries and markets globally.*



### **Candidate Customers**

- Government shippers of defense, humanitarian relief, disaster recovery cargos
- Container leasing companies
- Ocean carriers / 3PLs
- Temperature-sensitive, cold, and fresh chain shippers / manufacturers
- Large and heavy equipment manufacturers and end users
- Transportation companies and freight forwarders that support niche industries
- High-value / high-consequence goods shippers
- Pharma, electronics, alcohol, and tobacco products
- Freight forwarders, shippers, and end users of dense, heavy and irregularly shaped cargo (such as steel, cable, stone, drums)
- Increased supply chain reliability and predictability.
- Flat-rack and open-top container cargo shippers
- Industrial crating companies
- Factory relocation companies
- Project cargo shippers
- Oil, gas, mining, construction, and related shippers.



# CAKEBOXX CARGOS

## WHAT SHIPS IN A CAKEBOXX CONTAINER?

*Two-piece CakeBoxx containers and all our custom engineered transport solutions offer massive time, cost, and efficiency advantages over their standard container counterparts.*

CakeBoxx containers are perfect for loading high density, awkward-shaped goods and cargos. These are easily top and side loaded - even cargo which can only otherwise be shipped as break bulk.

**High-value and high-consequence goods** with the greatest potential for theft. These include pharmaceuticals, tobacco products, alcohol and other liquids, and electronics.

**High-density, heavy cargos** that do not need the full vertical capacity of standard containers such as I-beams, steel, scrap, and heavy ores.

**Coiled or rolled cargos** such as metal products including steel coil and aluminum coil.

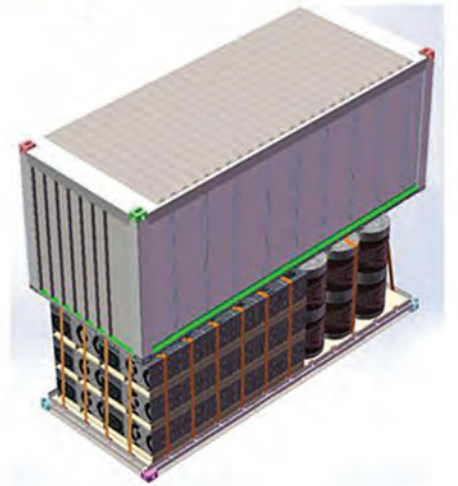
**Long cargos** that cannot be easily loaded into a standard container with doors. This would include pipe, timber, and building materials.

**Industrial equipment, machinery, heavy wheeled or tracked equipment and assemblies** that are typically shipped in flat racks or require disassembly prior to being packed in a standard container.

**Material typically shipped in drums or on pallets** that, due to their nature, cannot be stacked. This would include chemicals and petroleum products.

**Military and defense materials** such as ammunition and supply equipment, airplane parts, communications equipment.

**Closed-loop supply chains** where the shipper controls the movement of goods in both directions. These can be piece-parts to finish assembly, farm to processing or distribution plants, and other scenarios.





# SHIPPING METAL WITH CAKEBOXX





# CAKEBOXX FOR VEHICLES

## THE PERFECT FIT

Storing/transporting vehicles in standard shipping containers has always been an issue, largely due to the limited space for loading and unloading. These issues are now a thing of the past, as the unique, secure, and customizable design of CakeBoxx containers make them ideal for your highly valuable and mission critical vehicles. Loading and unloading is simple: wheeled vehicles can be easily driven onto the deck and secured using the CakeBoxx tailored Perimeter Tie Down System (PTS).

Complete 360-degree access to fully customizable tie-down points safely lock the vehicle to the deck, ensuring reliable delivery of your vehicle in all types of intermodal movement while providing the greatest level of physical security and safety for the cargo and cargo handlers.



### BENEFITS FOR VEHICLE STORAGE AND TRANSPORT

#### **High Security and Protection**

Perfect for high value, mission critical machinery such as military and defense vehicles

#### **Flat or Recessed floor**

Flat floor allowing maximum width or recessed floor for extra headroom

#### **Perimeter Tie-Down System (PTS)**

Featured on all models, this unique feature provides maximum security, protecting your vehicles from damage in transit

#### **Forklift Tubes in the Lid**

These enable easy removal of the lid

#### **Removable Corner Guides**

To assist crane or forklift operators during lid removal or installation

#### **Insulation Options**

To prevent extreme temperature excursion and provide the highest degree of environmental control

#### **Doors or NO Doors**

For maximum security of your vehicles with access as required

#### **Weather Seal**

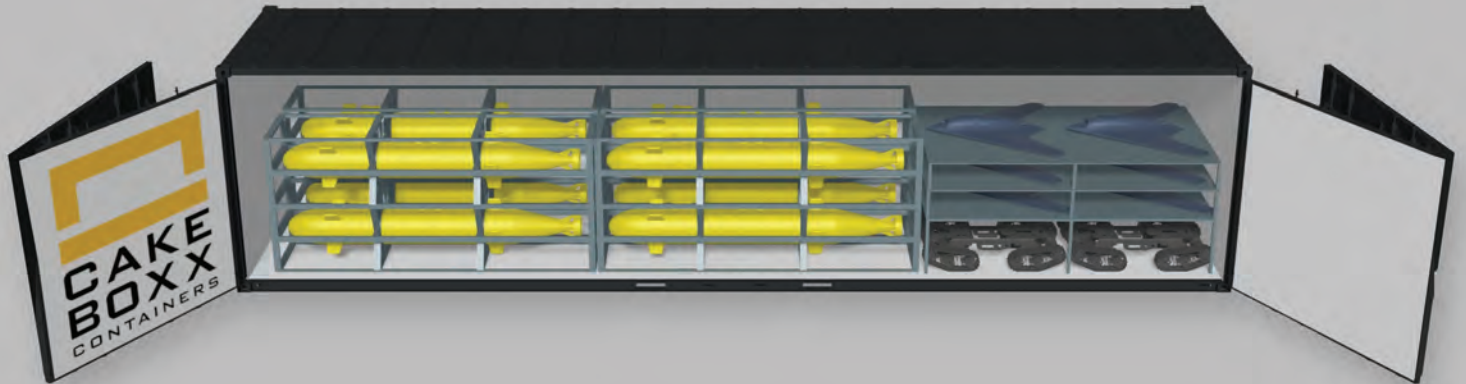
The CakeBoxx lid has a rubberized seal along the bottom edge to ensure protection against the elements during shipment or storage.



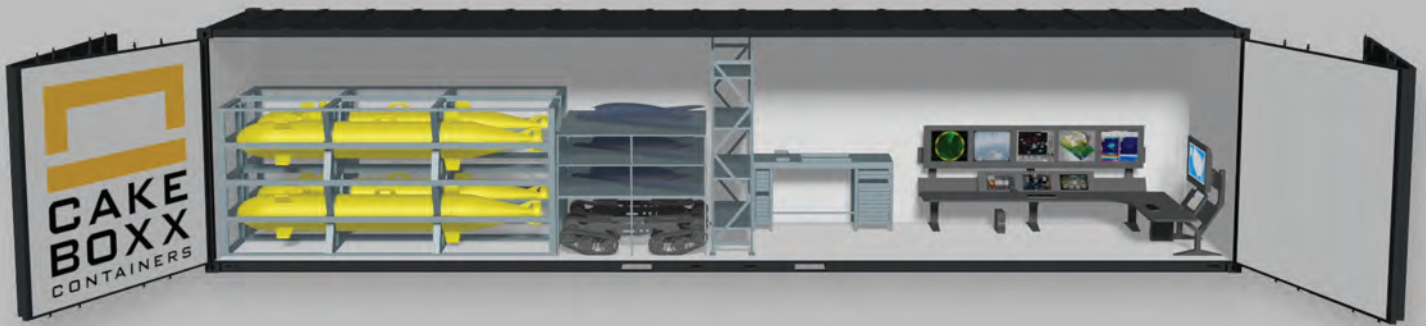




*CakeBoxx 'two-piece' container - safe, secure, and efficient loading configuration for unmanned underwater vehicles (UUV), unmanned aerial vehicles (UAV), and unmanned ground vehicles (UGV)*



*Side opening container - safe, secure, and efficient loading configurations for UUV, UAV, and UGV*



*Side opening container - safe, secure, and efficient loading configurations for UUV, UAV, UGV, plus command and control equipment*

# SAFETY ACT DESIGNATION

## ANTI-TERRORISM TECHNOLOGY

*In 2018 the Office of SAFETY Act Implementation at the U.S. Department of Homeland Security congratulated CakeBoxx Technologies on receiving SAFETY Act liability and risk management protections for their innovative, high-security, 'deck and lid' design containers.*

Our doorless two-piece container models are a Qualified Anti-Terrorism Technology (QATT) and are listed on the SAFETY Act's Approved Equipment List. The SAFETY Act 'Designated' mark can be used by CakeBoxx products as a seal of confidence from U.S. Government security experts that they are effective against terrorism.



*We launched the CakeBoxx products to provide a secure option to confront the pervasive and growing container security threat. Our doorless design is an extremely effective deterrent to the most common risk scenarios. At the same time, we wanted to keep the design simple to facilitate ease of inspection and use. We made it strong to ensure longevity and reliability. This combination of attributes results in a very safe, highly secure, and money-saving product with a strong return on investment for a very broad spectrum of users. There are more versions of the CakeBoxx design coming to serve more products and requirements.*

**DAINE EISOLD**  
**PRESIDENT & CEO**  
**CAKEBOXX CONTAINERS**



# CAKEBOXX 20'

## INTEGRATING SEAMLESSLY

*Dimensionally identical to a standard ISO container, the CakeBoxx 20' also has the same load capacities, making it the perfect choice for optimizing regular supply chain operations safely and efficiently.*

The unique CakeBoxx deck and lid design seals and secures the container contents entirely, making unauthorized access and theft virtually impossible.

This CakeBoxx integrates seamlessly into all intermodal processes, including stacking, storage, terminal transfers and ship, rail and truck haulage. CakeBoxx 20' comes as standard in high cube 9'6" height. Other heights available on request.



*CakeBoxx 20', flat floor model*



## SPECIFICATIONS

20'x8'x9'6" CakeBoxx

High cube, flat floor model

### External Dimensions

Length	Width	Height
6058 mm	2438 mm	2896 mm
19' 10.5"	8'	9' 6"

### Internal Dimensions

Length	Width	Height
5770 mm	2152 mm	2369 mm
18' 11.2"	7' 1"	7' 9.2"

### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32500 kgs	3450 kgs	27030 kgs
71650 lbs	7610 lbs	59590 lbs

Internal Cubic Capacity	Stacking Test Load
29.4 m <sup>3</sup>	86400 kgs
1038 ft <sup>3</sup>	190480 lbs

### Lid Weight

1750 kgs
3859 lbs

## PRODUCT FEATURES

- ✓ *Unique deck and lid design*
- ✓ *20' length*
- ✓ *9'6" height as standard. Other heights available on request*
- ✓ *Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods*
- ✓ *Simplified Vertical Locking System for reliability, ease of use and maintainability*
- ✓ *Insulated or non-insulated*
- ✓ *Available with or without doors and access panels*
- ✓ *Steel or plywood floor*
- ✓ *Flat or recessed floor*
- ✓ *Corner guides, fork pockets in lid and other options available.*

*\*See separate Custom Solutions page for further options*

*\*\* Further specifications available on request.*

# CAKEBOXX 40'

## INTEGRATING SEAMLESSLY

*Dimensionally identical to a standard ISO container, the CakeBoxx 40' also has the same load capacities, making it the perfect choice for optimizing regular supply chain operations safely and efficiently.*

The unique CakeBoxx deck and lid design seals and secures the container contents entirely, making unauthorized access and theft virtually impossible.

This CakeBoxx integrates seamlessly into all intermodal processes, including stacking, storage, terminal transfers and ship, rail and truck haulage. CakeBoxx 40' comes as standard in high cube 9'6" height. Other heights available on request.



*CakeBoxx 40', flat floor model*



## SPECIFICATIONS

### 40'x8'x9'6" CakeBoxx

High cube, flat floor model

#### External Dimensions

Length	Width	Height
12192 mm	2438 mm	2896 mm
40'	8'	9' 6"

#### Internal Dimensions

Length	Width	Height
11984 mm	2232 mm	2210 mm
39' 3.81"	7' 3.87"	7' 3.01"

#### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32000 kgs	7400 kgs	24600 kgs
70550 lbs	16310 lbs	54240 lbs

Internal Cubic Capacity	Stacking Test Load
59.1 m <sup>3</sup>	86400 kgs
2087 ft <sup>3</sup>	190480 lbs

#### Lid Weight

2400 kgs
5290 lbs

## PRODUCT FEATURES

- ✓ *Unique deck and lid design*
- ✓ *40' length*
- ✓ *9'6" height as standard. Other heights available on request*
- ✓ *Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods*
- ✓ *Simplified Vertical Locking System for reliability, ease of use and maintainability*
- ✓ *Insulated or non-insulated*
- ✓ *Available with or without doors and access panels*
- ✓ *Steel or plywood floor*
- ✓ *Flat or recessed floor*
- ✓ *Corner guides, fork pockets in lid and other options available.*

*\*See separate Custom Solutions page for further options*

*\*\* Further specifications available on request.*



# SHORTBOXX

## THE HALF HEIGHT CAKEBOXX

At half the height of a standard high cube container, the low profile ShortBoxx at 4'9" is ideal for high gross weight, low volume cargos such as steel, copper or aluminum ingots or long, unwieldy cargos which cannot be end-loaded in standard doored containers.

ShortBoxx is the perfect choice for liquid or granular cargos and chemicals shipped in tanks, drums, barrels or Intermediate Bulk Containers (IBCs) that need to be carefully secured and cannot be stacked two-high. These cargos can be safely secure and snug between the top of the lid and floor preventing them from any possible toppling or shifting in transit.

Two ShortBoxx containers can also be safely and efficiently stacked; maximizing product haulage potential but with the same footprint as a standard container. ShortBoxx comes as standard in 20' length. Other lengths available on request.



### SPECIFICATIONS

20'x8'x4'9" ShortBoxx  
Half-height, flat floor model

#### External Dimensions

Length	Width	Height
6058 mm	2438 mm	1450 mm
19' 10.5"	8'	4' 9"

#### Internal Dimensions

Length	Width	Height
5770 mm	2152 mm	1022 mm
18' 11.2"	7' 1"	3' 4.2"

#### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32500 kgs	2800 kgs	27680 kgs
71650 lbs	6180 lbs	61020 lbs

Internal Cubic Capacity	Stacking Test Load
12.6 m <sup>3</sup>	86400 kgs
444 ft <sup>3</sup>	190480 lbs

#### Lid Weight

1100 kgs
2425 lbs

### PRODUCT FEATURES

- ✓ Unique deck and lid design
- ✓ Half the height of a hi-cube container
- ✓ 20' length as standard, other lengths available on request
- ✓ Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods
- ✓ Simplified Vertical Locking System for reliability, ease of use and maintainability
- ✓ Insulated or non-insulated
- ✓ Steel or plywood floor
- ✓ Flat or recessed floor
- ✓ Corner guides, fork pockets in lid and other options available.

\*See separate **Custom Solutions** page for further options

\*\* Further specifications available on request.

# BREAKBULKBoxx™

## NEW POSSIBILITIES FOR CONTAINERIZED CARGO

*The high costs and risks involved with shipping break bulk cargo are driving manufacturers around the world to increasingly redesign their products and packaging to take advantage of containerized intermodal transportation. Still, many products cannot be loaded into standard containers due to their size, shape, and weight.*

CakeBoxx two-piece containers allow containerized transport for many of these types of products with simple top and side loading and discharging operations. The BreakBulkBoxx line of CakeBoxx containers have been designed specifically to help break bulk shippers take advantage of the huge cost and operational benefits the ever-expanding network of containerized transportation hubs have to offer.



## ADVANTAGES

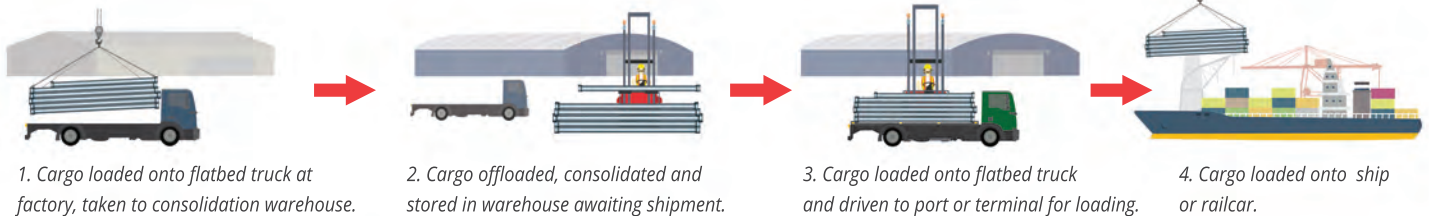
### WHY SWAP BREAK BULK FOR A CAKEBOXx CONTAINER?

- **Reduced cost** - Container shipments cost less than break bulk per ton.
- **Increased efficiency** - Top and side loading a container is faster than pierside stevedoring.
- **More transport options, less waiting** - Container ships call more frequently than dry cargo ships.
- **Fewer restrictions** - Eliminates the need to accumulate cargo and dry cargo ship minimums.
- **Safer and more secure** - Containerized goods have fewer handling accidents, damage, and thefts.
- **Range of sizes** - CakeBoxx two-piece containers are available in full range of sizes from 20' to 53'.

### CANDIDATE CARGOS:

- ✓ Machine assemblies
- ✓ Structural steel, pipe, re-bar
- ✓ Baled scrap
- ✓ Wheeled and tracked vehicles
- ✓ Coil, plate, sheet, ingots.

### CURRENT HANDLING CYCLE:



### BREAKBULKBOXx™ HANDLING CYCLE





# BREAKBULKBoxx<sup>TM</sup> 45'

## THE 45' BREAK BULK SOLUTION

The BreakBulkBoxx 45' fills the long-awaited gap between 40' and 53' containers. As part of CakeBoxx Containers' BreakBulkBoxx range, it has been designed specifically to save costs for break bulk and project cargo shippers by providing a means to transport loads on container ships versus the slower, more costly break bulk and multi-purpose vessels.

The circular lightening holes in its deck (the lower portion of the two-piece container), are incorporated to reduce weight. The thoughtful design also includes dual gooseneck tunnels for versatile transportability and a new 'end locking system' for additional security and strength to complement its characteristic Vertical Locking System at the 40' intermediate position.



BreakBulkBoxx 45', flat floor model



### SPECIFICATIONS

#### 45'x8'x9'6" BreakBulkBoxx

High cube, flat floor model

#### External Dimensions

Length	Width	Height
13716 mm	2438 mm	2896 mm
45'	8'	9' 6"

#### Internal Dimensions

Length	Width	Height
13508 mm	1964 mm	2402 mm
44' 3.8"	6' 5"	7' 10"

#### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32000 kgs	8200 kgs	23800 kgs
70550 lbs	18080 lbs	52470 lbs

Internal Cubic Capacity	Stacking Test Load
63.7 m <sup>3</sup>	57600 kgs
2249 ft <sup>3</sup>	126980 lbs

#### Lid Weight

2660 kgs
5864 lbs

### PRODUCT FEATURES

- ✓ Unique deck and lid design
- ✓ 45' length
- ✓ 9'6" height
- ✓ Dual gooseneck tunnels
- ✓ Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods
- ✓ Simplified Vertical Locking System for reliability, ease of use and maintainability
- ✓ OSB plywood floor, other options available including FRP
- ✓ Corner guides, fork pockets in lid and other options available.

\* Further specifications available on request.

# BREAKBULKBoxx<sup>TM</sup> 53'

## THE 53' BREAK BULK SOLUTION

As the largest product in the CakeBoxx range, the BreakBulkBoxx 53' is perfect for transporting goods otherwise only movable as break bulk. Its WTP configuration is tailored to US intermodal transport handling equipment; making it perfect for moving cargos across road and rail.

The circular lightening holes in its deck (the lower portion of the two-piece container), are incorporated to reduce weight. The thoughtful design also includes dual gooseneck tunnels for versatile transportability and a new 'end locking system' for additional security and strength to complement its characteristic Vertical Locking System at the 40' intermediate position.



BreakBulkBoxx 53', flat floor model



### SPECIFICATIONS

#### 53'x8'6"x9'6" BreakBulkBoxx

High cube, flat floor model

#### External Dimensions

Length	Width	Height
16154 mm	2600 mm	2896 mm
53'	8' 6"	9' 6"

#### Internal Dimensions

Length	Width	Height
15946 mm	2145 mm	2402 mm
52' 3.7"	7'	7' 10"

#### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32000 kgs	9800 kgs	22200 kgs
70550 lbs	21610 lbs	48940 lbs

Internal Cubic Capacity	Stacking Test Load
82.1 m <sup>3</sup>	57600 kgs
2899 ft <sup>3</sup>	126980 lbs

#### Lid Weight

3180 kgs
7011 lbs

### PRODUCT FEATURES

- ✓ Unique deck and lid design
- ✓ 53' length
- ✓ 9'6" height
- ✓ Dual gooseneck tunnels
- ✓ Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods
- ✓ Simplified Vertical Locking System for reliability, ease of use and maintainability
- ✓ OSB plywood floor, other options available including FRP
- ✓ Corner guides, fork pockets in lid and other options available.

\* Further specifications available on request.



# CHASSISBOXX™

## THE FLATBED CAKEBOX

*The CakeBoxx ChassisBoxx transforms a container chassis to a fully enclosed flatbed trailer for over the road use. When the deck and lid of the ChassisBoxx are installed on a standard container chassis it combines the practical elements of a flatbed trailer with the protective elements of a fully enclosed shipping container.*

The deck is simply installed by fitting it to the existing twistlocks on any standard container chassis. Side or top load the cargo and secure it using the Perimeter Tie-down System, then install and lock down the ChassisBoxx lid. Cargo is protected from the elements, theft, vandalism, and general damage caused by uncovered transport – exactly in the same way as a typical fully enclosed shipping container or truck trailer would do.

ChassisBoxx adds value and productivity to existing and under-utilized container chassis and add flexibility to your ground transport needs.



### SPECIFICATIONS

40'x8'6"x300mm ChassisBoxx

External Dimensions		
Length	Width	Height
12192 mm	2591 mm	300 mm
40'	8' 6"	0' 11.81"
Load and Volume Capacity		
Deck Tare Weight		
2760 kgs		
6080 lbs		

### PRODUCT FEATURES

- ✓ Converts container chassis to flexible use flatbed trailer
- ✓ Length, height and width built to spec
- ✓ Simple twistlock securing system
- ✓ User defined flooring and Perimeter Tie-Down System (PTS) configuration
- ✓ LTL options using multiple lid configurations
- ✓ Customizable lid options - doors, insulation, viewing ports
- ✓ Available as deck only, or complete deck and lid assembly.

\*See separate **Custom Solutions** page for further options

\*\* Further specifications available on request.

# coilboxx™

## THE COIL CARRYING CAKEBOXX

*With a specially modified deck and three adjustable cradles, the CoilBoxx™ 20' is the perfect option for the safe, secure and cost-effective container transit of coil cargos.*

The CakeBoxx CoilBoxx container encompasses the same 'deck and lid' design, locking system and CSC certification to ISO standard as other 20' CakeBoxx variations. The cradles slot into grooves in the CoilBoxx deck and are easily adjusted to accommodate coil cargos of different sizes. Coils can be quickly and easily loaded/unloaded and effectively lashed with 360° access to the cradles and CakeBoxx Perimeter Tie Down System (PTS). CoilBoxx can handle mixed coil ODs as large as 1700mm (66.7"), as small as 300mm and with a max width of 2232mm (87.3"). The maximum payload for CoilBoxx is 30,500kgs / 67,240lbs.

### SPECIFICATIONS

#### 20'x8'x8'6" CoilBoxx

##### External Dimensions

Length	Width	Height
6058 mm	2438 mm	2591 mm
19' 10.5"	8'	8' 6"

##### Internal Dimensions

Length	Width	Height
5850 mm	2232 mm	2041 mm
19' 2"	7' 4"	6' 8"

##### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
35000 kgs	4750 kgs	30250 kgs
77160 lbs	10470 lbs	66690 lbs
Stacking Test Load	Lid Weight	
86400 kgs	1660 kgs	
190480 lbs	3659 lbs	



## ADVANTAGES

### WHY MOVE COILS IN A CAKEBOXX CONTAINER?

- **Improved handling** - Simple, quick loading and securement of coils using existing lashing materials and no need for blocking or bracing.
- **Increased efficiency** - Reduced handling time and increased terminal velocity with seamless integration into logistics chain.
- **Safe & Secure** - Safe to operate, total protection from the weather with lid closed and reduced or eliminated chance of impact damage.
- **Containerized** - Containerizing coils allows for lower cost, more frequent shipping options than break bulk.
- **Versatile** - Can be shipped without the lid like a flat rack for domestic movements, saving time and cost.
- **Back haul** - Cradles can be bundled at one end of the container, allowing for flat deck back haul cargos.



# THERMO BOXX™

## THE CAKEBOXX REEFER

*Available as standard in 20' and 40' lengths with built to spec options, the ThermoBoxx™ reefer container provides temperature control with all the benefits of the CakeBoxx two-piece form factor.*



CakeBoxx ThermoBoxx™ reefer containers are perfect for containerizing difficult-to-load goods or cargos that need a high level of security, with a requirement for refrigeration or temperature control. The CakeBoxx design with its easy top and side loading factor, allows shippers to make full use of the container volume and not waste space. This product line makes containerization a possibility for a number of industries where shipment of temperature sensitive products or parts on container vessels was not previously viable with standard containers due to loading or security issues.



## ADVANTAGES

### WHY USE A CAKEBOXX REEFER?

- **Improved handling** - Simple, quick loading and securement of goods using existing lashing materials.
- **Increased efficiency** - Reduced handling time and increased terminal velocity with seamless integration into logistics chain.
- **Safe & secure** - Safe to operate, total protection from the weather with lid closed and reduced or eliminated chance of impact damage.
- **Versatile** - Perfect for many industries which require temperature control including high tech, electronics, defense, composites, space and aeronautics, pharmaceutical as well as for the shipment of chilled and frozen food and drink. Available with or without industry-standard cargo loading doors.

# CAKEBOXX FLAT RACK

## FLEXIBLE FREIGHT TRANSPORTATION

Available in 20', 40', 45' and 53' lengths, the CakeBoxx Flat Rack is a collapsible flat-deck solution which offers a great deal of flexibility for intermodal transportation. These can be double stacked and are capable of carrying extremely heavy payloads (up to 57,760lbs for 53' model).

Like CakeBoxx containers with their 'deck and lid' configuration, the Flat Rack range is built with extremely strong TrusDek® technology and easy to load access from the top and all sides. Heavy cargos of any shape can be secured using the CakeBoxx Perimeter Tie Down System (PTS™), with the additional advantage of having flat-folding intermediate posts.

Collapsed Flat Rack decks can be stacked four-high to accommodate the same footprint as a standard high cube intermodal container. This flexibility affords the shipper the ability to reposition with great ease, speed, and a massive cost saving vs traditional containerization. The CakeBoxx Flat Rack 53' is tailored to US intermodal transport handling equipment, making it perfect for moving cargos across road and rail.



### HANDLING CYCLE:



1. CakeBoxx Flat Rack secured onto chassis and taken to shipper's yard. Cargo loaded onto the Flat Rack.

2. After road transportation to rail terminal, the loaded Flat Rack transferred onto railcar.

3. The CakeBoxx Flat Rack is transported via rail, where it can be double stacked for cost efficiency.

4. Cargo is transferred from rail to chassis for delivery to customer.

### SPECIFICATIONS

CakeBoxx Flat Rack 53'

53' x 8'6" x 1'6" (40' post folded)

53' x 8'6" x 9'6" (40' post erected)

#### External Dimensions

Length	Width	Height (40' post folded)	Height (40' post erected)
16154 mm	2600 mm	473 mm	2896 mm
53'	8' 6"	1' 6"	9' 6"

#### Load and Volume Capacity

Max Gross Weight	Tare Weight	Max Payload
32000 kgs	7300 kgs	24700 kgs
70550 lbs	16090 lbs	54460 lbs
Stacking Test Load (stacking at 40' position, 40' post folded)		Stacking Test Load (stacking at 53' position, 40' post folded)
43200 kgs		86400 kgs
95240 lbs		190480 lbs

### PRODUCT FEATURES

- ✓ 'Flat rack' solution with CakeBoxx build quality
- ✓ Available in 20', 40', 45' and 53' lengths
- ✓ 8'6" width
- ✓ 9'6" height
- ✓ Loading from top and all sides
- ✓ Can be double stacked when loaded or quadruple stacked with posts folded for back haul
- ✓ Perimeter Tie Down System (PTS) - customizable for securing even the most awkward shaped goods
- ✓ Steel, FRP, hardwood and OSB plywood flooring options available.

\* Further specifications available on request.



# CAKEBOXX OPTIONS

## TO MEET YOUR REQUIREMENTS

*A wide range of options are available on all of our container solutions, to suit your specific requirements.*



### **Doors and Viewing Ports**

All CakeBoxx models are available with or without access and cargo doors or removable panels as required and can be designed to customer specifications where necessary.



### **Lifting Tubes and Rings**

For special cargo handling requirements, lifting tubes or rings can be added.



### **Custom Flooring**

A variety of customer-specified flooring materials to precisely fit specific requirements for the deck are available. These include steel, FSC certified bamboo or OSB plywood, hardwood, or fiber reinforced plastic (FRP).



### **Corner Guides**

Corner guides are available to aid the securing of the container and to prevent cargo damage during loading and unloading operations.

### **Insulation Packages**

A variety of high-performance insulation options are available.

### **LED Lighting**

Where light in the CakeBoxx lid is a concern, internal LED lighting can be fitted.

### **Environmentally Friendly Paint**

Paint options are available on request. This includes environmentally friendly water-based paints.





# CUSTOM CONTAINERS

## THINK IT - BUILD IT

*CakeBoxx is committed to solving transportation and storage challenges for our customers. Our engineers can work with your specific requirements to design and build complete custom 'two-piece' CakeBoxx containers as well as any other engineered container solution to meet your specific requirements.*

### TWO-PIECE CONTAINERS AND BEYOND



*Side opening container for loading large, sensitive cargos*



*Three-piece container for overheight, special cargos*



*CakeBoxx container with additional height for tall cargos*

#### **Dimensions**

For cases where the length, width and height of a standard container or CakeBoxx product does not meet your transport and storage needs, we can work with you to build an entirely custom solution with size and specification tailored to your project.

#### **Form Factor**

CakeBoxx works with your specific requirements to engineer custom containers in whatever form factor suits the task.

#### **Internal and External Fitments**

Whatever the tie-down systems, locking mechanisms and other necessary fitments required, our teams can design and build this to spec.

#### **Refrigeration and Environmental Control**

In addition to the ThermoBoxx™ range of two-piece reefer containers, CakeBoxx offers refrigerated and insulated options as a custom solution in any other specially engineered containers where temperature control is necessary. We can also provide other environmental control fittings such as acoustic paneling.



*45' half-height CakeBoxx with special deck fittings for long, sensitive cargos*



*'GenBoxx' container for housing generators*



*12' wide refrigerated CakeBoxx container for special temperature sensitive equipment*



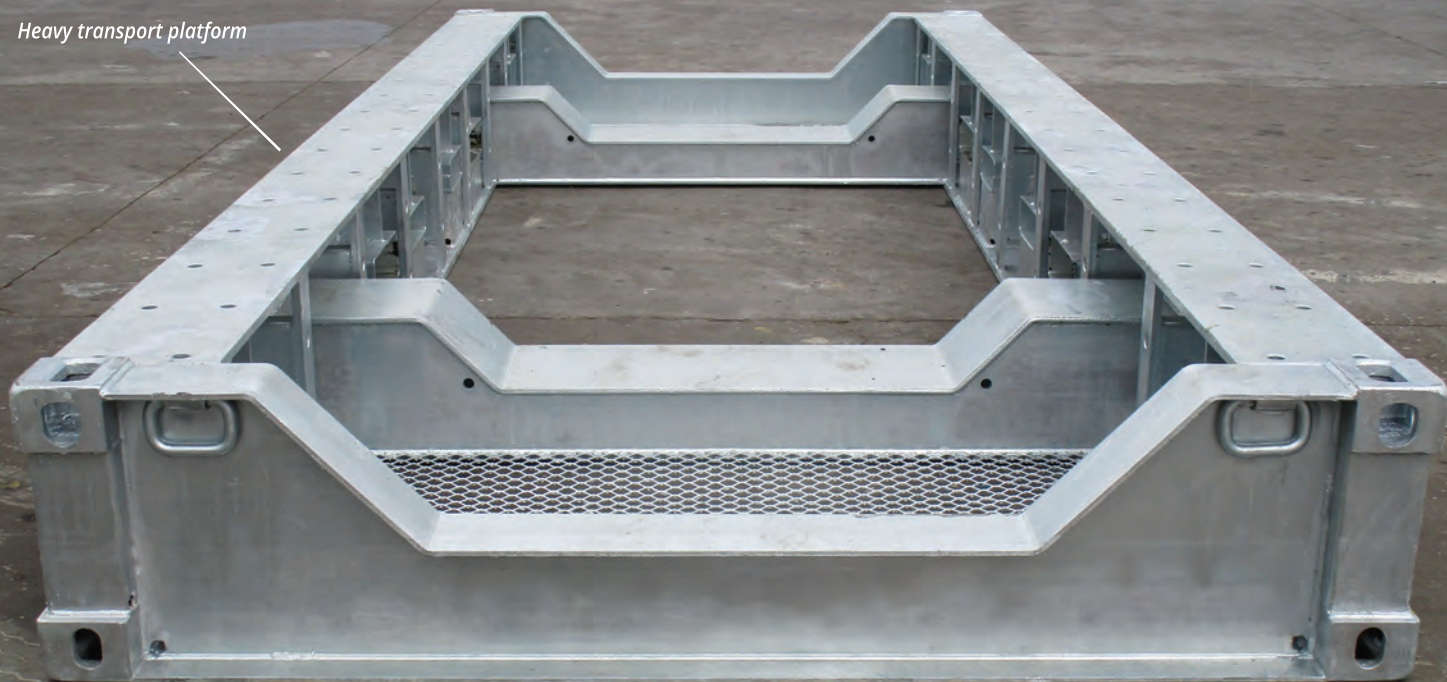
# CUSTOM PLATFORMS

## BUILT TO SPEC

*CakeBoxx Containers produces decks and transport platforms as standalone solutions - these are extremely customizable and versatile.*

### DESIGNED TO MEET YOUR REQUIREMENTS

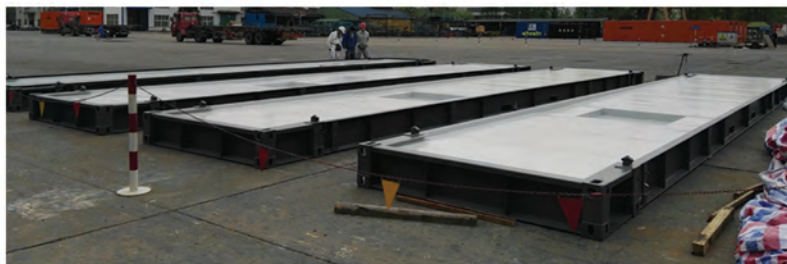
*Heavy transport platform*



#### **Custom Decks and Transport Platforms**

The deck of a CakeBoxx 'two-piece' container is a super strong and versatile platform, perfect for the transport of heavy and unwieldy cargos. It can be used independently of the lid much in the same way as a flat rack where required and can be stacked in multiples for easy return transportation. Additionally, CakeBoxx Containers designs complete custom transport platforms to suit any requirement. A range of flat racks with folding posts is also available.

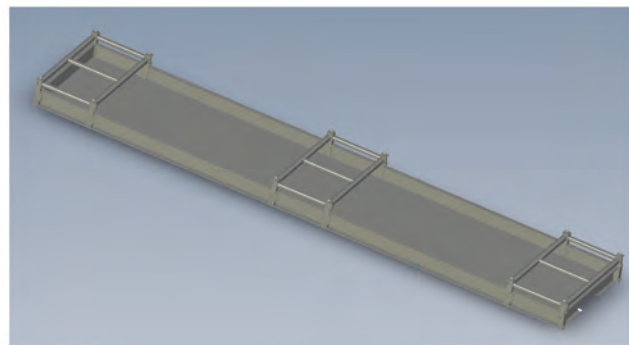
In addition to use for transporting any number of different heavy, awkward-shaped cargos, decks and platforms also suit a variety of other uses. These include as sump trays for containers, as platforms for the installation of data centers, and many other special applications.



*CakeBoxx sump decks*



*Transport platforms stacked for return transportation.*



*Special application CakeBoxx deck*





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