

BULLBOX

8' CONTAINER
SPEC. BULLBOX


STEEL DRY CARGO CONTAINER
8' × 2200 × 2260 TYPE

MODEL NO: **BULLBOX 8' CONTAINER**
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 **1.1 General**


This specification will cover the design, construction, materials, testing and inspection performances of 8' x 2200mm x 2260mm type steel dry cargo containers.

These containers will be manufactured by Contenedores y Embalajes Normalizados, S.A (BULLBOX) under strict quality control by BULLBOX and be **approved by the classification society** (Bureau Veritas, China Classification Society, Lloyd's Register of Shipping, American Bureau of Shipping...

The container will be designed and constructed for carriage of general cargo by marine (on or below deck), road and rail throughout the world. All materials used in the construction will be to withstand extremes of temperature range from -40°C(-40°F) to +70°C(+158°F) without effect on the strength of the basic structure and watertightness.

The container will satisfy the following requirements and regulations, unless otherwise mentioned:

T.C.T. Certification: All exposed wooden components used for container will be treated to comply with the requirements of "Cargo Containers-Quarantine Aspects and Procedures" of the Commonwealth Department of Health, Australia.

 **1.2 Handling and Transportation**

The container will be constructed to be capable of being handled without any permanent deformation under the following conditions:

- a) Lifting, full or empty, at top corner fittings vertically by means of spreaders fitted with hooks, shackles or twistlocks.
- b) Lifting, full or empty, at bottom corner fittings using slings with terminal fittings at any angles between vertical and 60 degrees to the horizontal.
- c) Lifting, full or empty, at forklift pockets using forklift truck.

 **2. Dimensions and Ratings****External**

Length	2,438 mm	8'
Width	2,200 mm	7'2 5/8"
Height	2,260 mm	7' 5"

Internal

Length	2,187-2,287 mm
Width	2,012-2,112 mm
Height	2,059-2,062 mm

Door opening dimensions

Width	2,106 mm
Height	1,949 mm

Internal cubic capacity

9.954 cu.m	351 cu.ft
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Forklift pockets

Center to center	820 mm
Width	320 mm
Height min	115 mm

Ratings

Max. Gross Weight	6,000 kg	13,230 lb
Tare Weight	900 kg	1,980 lb
Max. Payload	5,050-5,100 kg	11,250 lb

Dimensions and ratings are subject to small variations depending on the batch



4. Construction

The container will be constructed with steel frames, fully vertical-corrugated steel sides and front wall, horizontal-corrugated steel double doors at rear end, die- stamped steel roof and corner fittings.

Each container will have double wing doors at rear end frame, and each door will be capable of swinging approximately 270 degrees.

Each door is constructed with two 3.0 mm thick pressed channel section steel horizontal frames for the top and bottom, 100x50x2.3 mm and 100x50x4.0 mm thick rectangular hollow section vertical frames for the post side and center side of door respectively, 1.6 mm thick horizontally corrugated steel door panel, which are continuously welded within frames.

One sets of galvanized "SJ-66M" bolt on model locking assemblies with forged steel handles are fitted to each door using zinc plated steel bolts and Huck bolts according to TIR requirements. Locking bar retainers are fitted with nylon bushings at the top, bottom and intermediate bracket.

Two (2) lashing hoop rings are welded to each top and bottom side rail at recessed corrugations of side panels but not extruded any cargo space (total 8 rings). Each lashing point is designed to provide a "1,500 kgs pull load in any direction" without any permanent deformation of lashing ring and surrounding area.

Two (2) lashing rods are welded to each corner post at the position of 150mm higher from the floor and 200mm lower from the bottom surface of top corner fittings. Each lashing rod on the corner post is designed to provide a "1,000 kgs pull load in any direction" without any permanent deformation.

Each container will have four small plastic ventilators of labyrinth type.



5.1 Surface preparation

1) All steel surfaces - prior to forming or after - will be fully abrasive shot blasted conforming to Swedish Standard SA21/2 with near white metal surface, and anchor profiles of 25 to 30 microns to remove all rust, dirt, mill scale and all other foreign materials.

2) All door hardware will be hot-dipping zinc galvanized with approximately 75 microns thickness.

3) All fasteners such as self-tapping screws, hinges, cam keepers and lashing fittings will be electro-galvanized with approximately 13 microns thickness.



5.2 Coating

Coating especificaciones will be provided on request

 **6 Guarantee****Structure**

All the containers shall be guaranteed by manufacturer to be free from defects in materials, workmanship and structure for a period of one (1) year, from the date of acceptance of the container by the buyer.

Painting

The paint system coated on the container surface shall be guaranteed to be free from corrosion and failure for a period of three (3) years from the date of acceptance of the container by the buyer.

Corrosion is defined as rusting which exceeds RE3 (European Scale of degree of Rusting) on at least ten (10) percent of the total container surface, excluding that resulting from impact or abrasion damage, contact with solvents or corrosive chemicals and abnormal use.

If the corrosion exceeds RE3 as defined above within the guarantee period, inspection of the corrosion shall be carried out by the buyer, Bullbox and paint manufacturer to detect the cause. As the result of the inspection, if it is mutually agreed and accepted that the corrosion has been caused by the defective paint quality and/or poor workmanship, Bullbox and/or paint manufacturer shall correct the defect on their accounts.

Decals

Decals applied on the container shall be guaranteed for a period of seven (7) years without peeling off, tenting or colour fading if decals are supplied by BULLBOX.

BULLBOX shall not be liable for any consequential damage or expenses occasioned by any defects for whatsoever reason or any loss of time due to repair or correction.



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