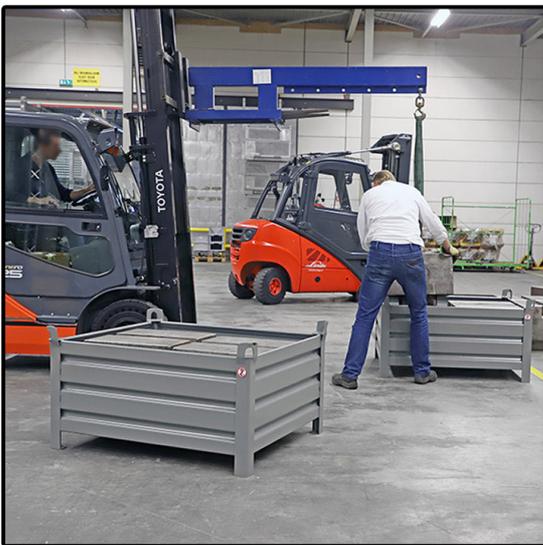


Hoistable and Stackable Box Manual Type 10-2



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1. Introduction

The Kruizinga.com hoistable and stackable boxes are a box which has been designed for storing and transporting all kinds of loose goods. The box can be transported using a forklift truck but is also certified as a hoisting device which means that it is permitted for the to be hoisted using a crane.



Users of the box need to have read and understood the contents of this manual before they start using the box. Using the box without knowledge of the contents of this manual or ignoring the instructions in this manual could lead to serious personal injury and/or material damage.



Always observe the current safety regulations and use the right tools and equipment. In the event of incorrect use, there is a risk of failure of the box and/or hoisting devices used. Use of PPE – at least wearing a safety helmet and safety footwear – is mandatory.



The right to make changes to an existing bin is reserved solely for Kruizinga.com. Making changes could lead to insufficient strength and failure. Only use the system as described in this manual. Any other use could lead to personal injury and/or serious material damage.



The box can be used in temperatures from - 20 to + 40 degrees Celsius and must be kept free from snow and ice at all times. The mechanical strength can no longer be guaranteed in temperatures outside this range. When loaded, the boxes may be stacked in wind forces up to a maximum of wind force 10. Please note that a stack of empty boxes is more sensitive to wind conditions than a stack of loaded boxes, as a result of which they can be blown over by a lower wind speed. Always take appropriate measures if the wind speed starts to increase.

2. Description and use

The hoistable and stackable box 10-2 is a metal. The box is designed with four lifting eyes. The boxes are durably protected against corrosion and they may be coated or galvanized.

This section provides instructions on how to use the box correctly and safely. It is important to follow these instructions in order to prevent accidents and ensure that the box has a long service life.

2.1 General instructions for use



Disregarding the instructions for use could lead to personal injury and/or serious material damage. It is only permitted for authorised persons with a good understanding of the contents of these instructions to use the box.

Before every use, check the box to make sure that it is not excessively damaged. See Section 3 regarding this topic. Check to make sure that all the markings as shown in figure 1 are present and legible. It is prohibited to use the box if there are no legible markings on it.

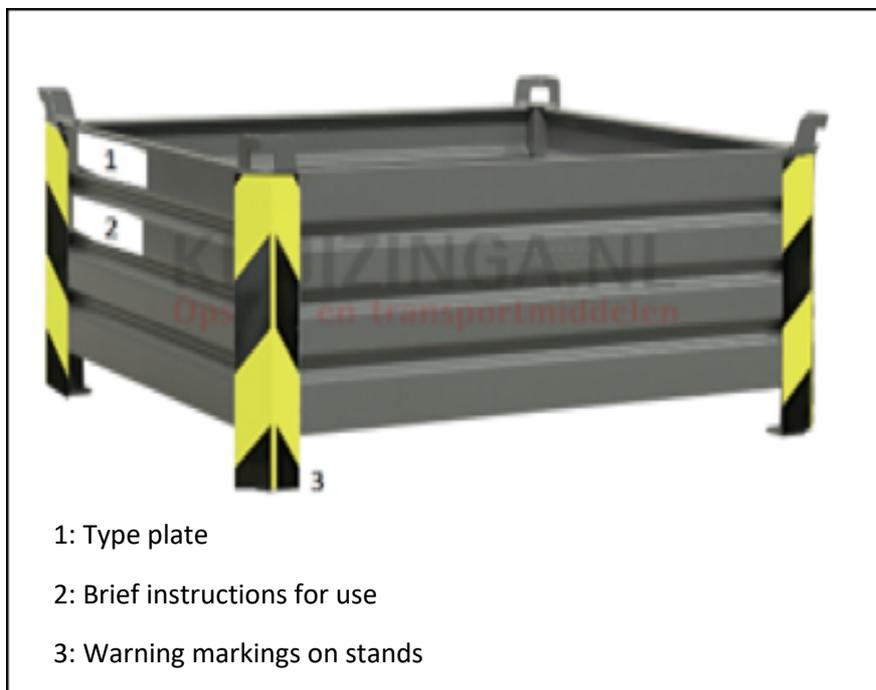


Figure 1 Stackable box with markings

The box can be used for the transportation and storage of various goods in solid form. The storage and transportation of liquids and/or gases is not permitted and neither is the storage and transportation of hazardous substances and hot or radioactive material.

Only use boxes which are in a good state of repair. See section 3 maintenance and inspection with regard to this topic.

The boxes are to be filled in such a way that the load inside the box cannot fall over, move around or fall out. If necessary, use a suitable packaging material to fill up the load or secure it.

The last groove below the top edge is the maximum fill level. This is indicated by the red line in figure 2.

No protruding parts.

Always place the box on a sufficiently stable and level surface. Maximum permitted angle of tilt is 3.5°. If the surface is too soft, the distribution of pressure is to be ensured by underpinning the legs using suitable means.

Make sure that no damage is caused to the boxes when lashing them to a means of transport. Tighten the lashing enough to prevent the walls from bending. The use of lashing straps is preferable to the use of chains in order to prevent damage from being caused to the protective coating applied to the box.



Figure 2: Maximum fill level

2.2 Stacking

Only stack boxes of the same type. Combining boxes of different types and/or makes can lead to instability, resulting in the stack falling over.

Stack the boxes up to a maximum of 5 high with a total load of 10,000 kg. When stacking boxes of different weights, always put the heaviest box on the bottom. Stack the boxes from heavy to light, i.e. put the lightest box on top.

Always use a forklift truck when stacking boxes with a height of more than three. Make sure that the forklift truck is in a good state of repair and has suitable forks, and sufficient capacity and lifting height.

When moving stacked boxes, never transport more than two boxes at the same time. While transporting the boxes, keep them as close to the ground as possible and make sure that the weight of the boxes is distributed correctly (heaviest box on the bottom)

2.3 Hoisting

Suitable chains with sufficient capacity – a minimum of 4 tons over four lengths – must always be used for lifting operations. Always use all four lifting eyes. Using less than 4 lifting eyes can lead to instability which can result in falling loads. The box can also become overloaded as a result of an excessively unbalanced load.

The securing of loads is to be carried out solely by authorised instructed personnel, preferably a certified lifting supervisor.

The maximum working load of 2000 kg must never be exceeded.

It is strictly prohibited to transport people (use as a safety cage).

Never carry out lifting operations above people's heads

When the box is being set down, there is a danger of crushing under the legs of the box. Pay close attention to this when guiding the load. If circumstances require, use a rope to guide the load.

When stacking the boxes using a crane, never stack them more than three high. This will stop them from being climbed on including during the securing of the loads.

Make sure good contact is maintained with the crane operator, at least via walkie-talkie but preferably always visually.

2.3 Storage

If the boxes are stored empty, then attention should be paid to the fact that empty boxes get blown over quicker than full ones. Although the mechanical strength allows the fully loaded boxes to be stacked 5 high, empty boxes stacked 5 high can be blown over by a wind force of 10 or higher on the Beaufort scale. If the empty boxes are stored outside for a long period of time or if a severe storm with a wind force of 10 or higher on the Beaufort scale is expected, then the boxes may be stored at a maximum of 4 high without being lashed. Always lash stacks more than 4 boxes high if they are to be stored empty and unprotected from the weather for a long period of time.

3. Maintenance, inspection, repairs and end of service life

This section describes the inspection and maintenance requirements. These requirements can be used to determine whether a box is still safe to use or the actions that need to be taken in order to make the box safe for reuse.

3.1 Maintenance

The box is durably protected against corrosion and requires no further maintenance.

3.2 Inspection

The box is certified as a hoisting device. According to article 7.20 of the Working Conditions Act, hoisting devices need to be inspected at least once a year by an expert natural person, legal entity or body.

Before daily use, check for serious damage such as:

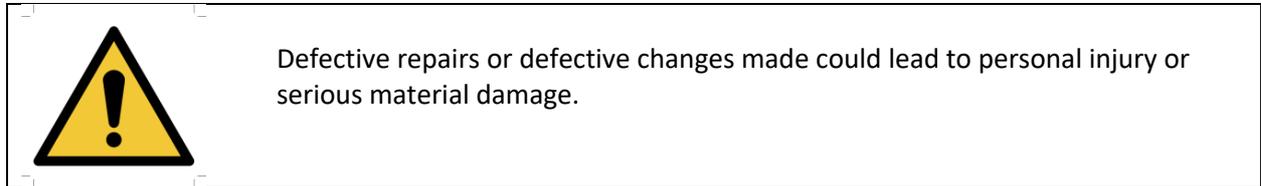
- The formation of cracks in welds and sheet metal.
- Excessive wear to the lifting eyes
- Serious dents in the sides and bottom.
- No incisions
- No damage to the feet.
- Stability of the box on a level surface. The box needs to be stable when it is placed on a level surface



Using a worn and/or excessively damaged box could lead to personal injury or serious material damage. If in doubt, take the box out of service.

3.2 Repairs

Repairs to the box are to be carried out by an expert. If it is damaged, the box may be restored to its original state. The right to make changes to the box is reserved solely by Kruizinga.com



3.3 Markings on the box

The following markings need to be present on the box:

- Type plate, figure 3 (insert example of type plate)
- Brief instructions for use, figure 4
- Warning markings on the 4 stands.



Figure 3: Example of a type plate

NLD	ENG
Kruizinga.nl®	Kruizinga.com®
Opslag- en transportmiddelen	Warehouse and material handling equipment
Kruizinga.nl	Kruizinga.com
Ir.R.R. van der Zeelaan 1	Ir. R.R. van der Zeelaan 1
8191 JH Wapenveld, Holland	8191 JH Wapenveld, The Netherlands
Tel: +31 (0)88 522 15 55	Tel.: +31 (0)88 522 15 55
Internet: www.kruizinga.nl	Website: www.kruizinga.com
E-mail: info@kruizinga.nl	E-mail: info@kruizinga.nl
Bouwjaar	Year of construction
Art. Nr.	Art. no.
Fabriek Nr.	Plant no.
Afmetingen	Dimensions

Laadvermogen	Loading capacity
Stapellast	Stacking load
VARIABEL	VARIABLE

Read the manual before use

The last groove below the top edge is the maximum fill level of the box. If it is filled higher than that, transportation is prohibited

Always pack out the load; Prevent the load from moving around at all times

Only for loads in solid form; Liquid, hot and radioactive loads are prohibited

No protruding loads permitted

Stacking only permitted on a level and sufficiently stable surface

Transportation of people is prohibited

Use permitted up to wind force 10

Stack a maximum of 5 high

Minimum working load of chains: 4 tons

Lifting of stacked boxes is prohibited

Figure 4: Brief instructions for use

3.4 End of service life

When the box reaches the end of its service life, it is to be disposed of in the correct manner. Arrange for the box to be scrapped and do not throw it out with your bulky waste.

4. Restrictions due to weather conditions

It is permitted for the box to be used within a temperature range of - 20 to + 40 degrees Celsius.

When carrying out lifting operations, the box is to be kept free from snow and ice at all times.

Up to wind force 10, the boxes may be stacked without being lashed. Above wind force 10, lash the boxes after stacking.

5. Final provisions

This manual has been compiled in order to provide information on the correct use of the Kruizinga.com hoistable and stackable box under the most foreseeable circumstances. Although the greatest care has been taken to compile this manual, the possibility that it does not cover every circumstance cannot be ruled out. Should a situation arise which is not covered in this manual or should information be required which is not provided in this manual, then operations involving the box are to be stopped and Kruizinga.com is to be contacted first.

Kruizinga.com

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