



COMMUNE DUSTBIN LOCKS

dustbin locks series 7000



180
JAHRE

franzen-gruppe.de

FRANZEN Group

Customer-specific solutions from the idea to the start of production

Complex assemblies made of diverse materials. The Franzen Group is an independent, globally active group of companies boasting more than 180 years of expertise as a development partner and manufacturer.



International group of companies with efficient production

We make use of our extensive expertise to accompany you from the initial product idea through to CAD design and series production. For each product, we select the most suitable production site. We are therefore in a position to provide the ideal combination of German engineering and cost-efficient series production with state-of-the-art, quality-oriented machine technology.



Leading manufacturer of locks and fittings for luggage, waste bin locks, mouse and rat traps

We are one of Europe's leading suppliers and producers of luggage locks, waste bin locks and mouse and rat traps. Based on our expertise, we have become the largest supplier of TSA plastic luggage locks in the non-Asian market. In North America, we are considered a pioneer and a key contact for the distribution and deployment of waste bin locks. For our customers, we are a recognized development supplier.



Broad development expertise for various branches of industry

Complex solutions from our group of companies can be used in a wide variety of industrial sectors. We offer luggage locks for the luggage industry, waste bin locks for use in municipalities and the waste management industry, locks for the furniture industry. We manufacture weapon safety devices and trigger locks for law enforcement agencies as well as hunting and shooting sports and locking systems for boxes and containers. With our extensive production depth, we offer exciting opportunities as a partner and supplier for 1st tier suppliers and OEMs in the automotive industry. Based on our complex value-added processes, we have become a leading supplier to businesses in the toy industry. Plastic parts, surfaces and complex assemblies from the companies of the Franzen Group can be found in roof windows, caravans, safety helmets, in fans, industrial suitcases, tool cases and in many other everyday goods.



Independent, value-oriented family business

As a medium-sized family business with a global orientation, we combine the proximity to our customers and markets all over the world with short decision paths and quick reactions. We think and act in a value-oriented manner, assume responsibility for our environment and ensure that our dealings with customers, partners, suppliers and employees are treated with the utmost respect.



Experienced development partner

Rapid development of customer-specific solutions

In-house development centre

In our development centre in Solingen and at our production site in the Czech Republic, we develop tailor-made solutions for our customers from various industries. Our engineers and technicians have thought through every detail of what we manufacture, every component and every design, tested it and made it ready for series production – from filigree plastic parts to complex assemblies. No matter whether a single part or a complex assembly, we accompany you from the first product idea to CAD design, production and assembly.

From the sketch to the prototype

We provide you with personal advice on the design of your products with respect to efficient production. Our developers have an extensive wealth of experience in tool design as well as production-oriented design. Because of our flat hierarchies, our paths are short, so that you can quickly obtain the very first prototype.

Everything from a single source

With development and production competence to the finished product

Franzen combines development and production expertise under one roof. This is how you can directly achieve your new product. In 8 steps, an initial idea becomes your individual solution. Developed in Germany, produced with the most modern machines and, if desired, assembled to form a subassembly.

1



Idea meets development expertise

Innovative solutions made of plastic and metal are developed on the basis of your sketch.

2



Consulting shows the way

Benefit from our know-how about optimal implementation

3



Sketch becomes digital

Our CAD experts design your product in 3D

4



Prototypes that you can actually touch

Your product quickly takes shape with us

5



Toolmaking builds on experience

This is where we show off our flexibility and experience

6



Production goes into series production

State-of-the-art and cost-efficient: our production in the Czech Republic

7



Quality is checked

Our quality management ensures consistent product quality

8



Assembly joins

We fit entire assemblies



Founded in 1838, the Franzen Group is one of the worldwide leading companies offering locks, fittings and other sub-assemblies made of metal and plastics. The following catalog presents our extensive programme of modern and distinctive dustbin locks.

Dust Bin Locks Series 7000

- a) Automatic opening by gravity
 - b) Manual opening
-
- a) The automatic gravity lock ensures a reliable opening and closing of the dustbin. The opening of the lid is prevented by the patented locking feature if the bin falls to the front, to the back or to the side (due to vandalism, stormy weather, incorrect grabbing of the bin during emptying procedure).
 - b) The manual lock allows a safe closing and is made for 4-wheel containers with a round lid, for example. Thanks to the special construction of the lower part of the lid, it is nearly impossible to open the lock from the front by inserting a screwdriver or a piece of wire under the rubber lip. In the case of waste removal, the bin must be opened by an authorized person with a key.

Thanks to the interchangeable sub-assemblies nearly all types of 2- and 4-wheel dustbins are compatible with our lock system.

We offer the following variations of the locking mechanism:

- Triangle lock cylinder, with or without return spring
- Key lock cylinder, with two keys, keyed differently
- Key lock cylinder, with two keys, keyed alike
- Turn knob cylinder with return spring
- Master key

All of our locks have passed the extensive European dustbin manufacturers`tests and have fulfilled performance requirements.



triangle lock cylinder, with or without return spring
 key lock cylinder, with two keys, different key numbers
 key lock cylinder, with two keys, defined key numbers
 turn knob cylinder, with return spring

Available for all lids!

small upper part manual

Art.Nr.:7005-1(2,3,4)

small upper part

Art.Nr.:7003-4(5-16)

large upper part,

Art.Nr.:7003-1(2,3,17-26)

small lower lid part manual

Art.Nr.:7002-5

small lower lid part

Art.Nr.:7002-3(4)

large lower lid part

Art.Nr.:7002-1(2)

large lower lid part, without hook

Art.Nr.:7002-2

lock part manual

Art.Nr.:7004-2

gravity lock part

Art.Nr.:7004

gravity lock part

Art.Nr.:7004

gravity lock part

Art.Nr.:7004

gravity lock part, 4-wheel container

Art.Nr.:7004-1

gravity lock part, 4-wheel container

Art.Nr.:7004-1

gravity lock part, 4-wheel container

Art.Nr.:7004-1



* order example: automatic version for 2-wheel bin

*a.) large upper lid part with key lock cylinder and keys
Art. No. 7003-1 (17 - 26)

b.) large lower lid part with opening hook
Art. No. 7002-1

c.) gravity lock part, automatic opening
Art. No. 7004



secured against
unauthorized opening
and filling of the
container

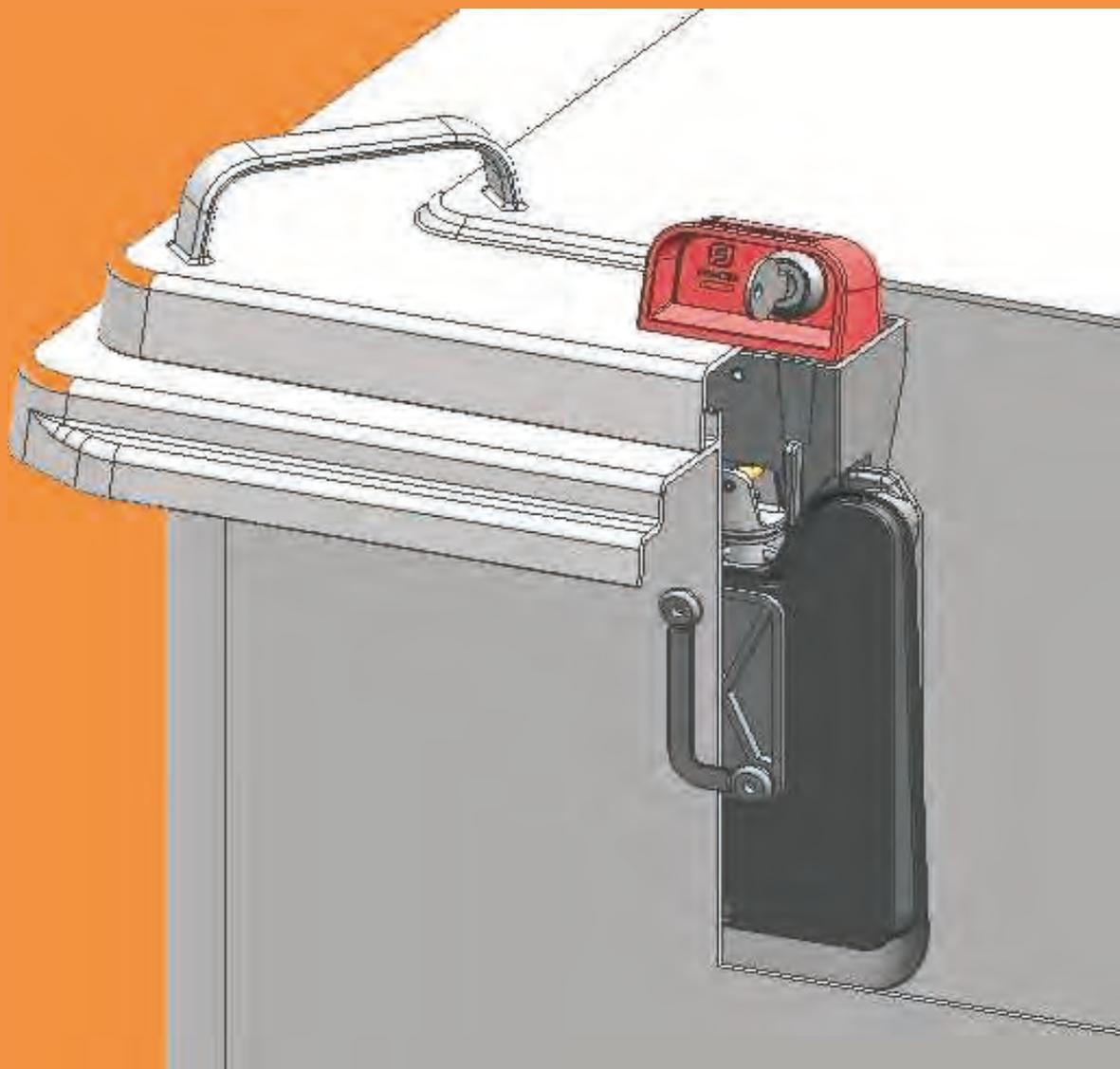


During garbage
pickup, the lock will
automatically open
when the bin is
tipped at an angle of
more than 90 degrees
(non manual)!



Assembly instructions

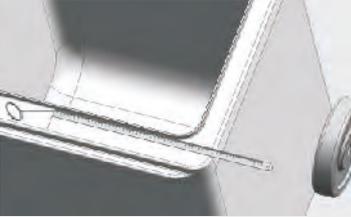
for Dustbin - Locks Series 7000



Assembly instructions

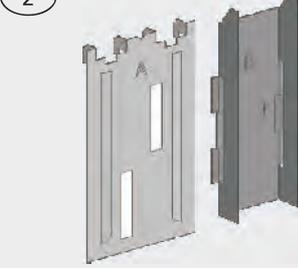
for Dustbin - Locks Series 7000

1



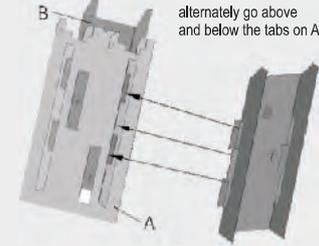
Make a mark at the middle of the bin

2



Fold plates A and B

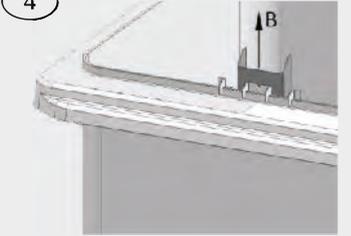
3



Assemble „A“ and „B“ so that the tabs on B alternately go above and below the tabs on A

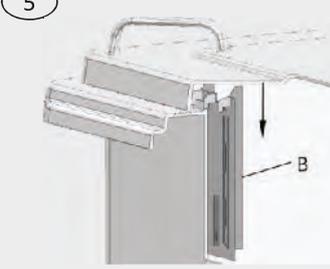
Assemble plates A and B

4



Place plates A and B on the edge of the bin and move plate B to the top position

5



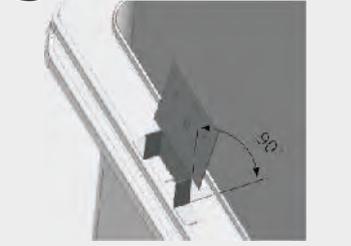
Move plate B into the correct position by closing the lid

6



Mark the drill holes

7



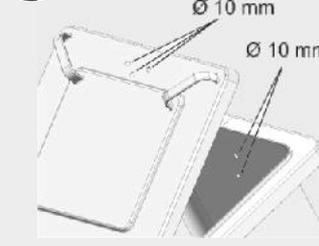
Fold plate C and position it in the middle

8



Close the lid and mark the drill holes

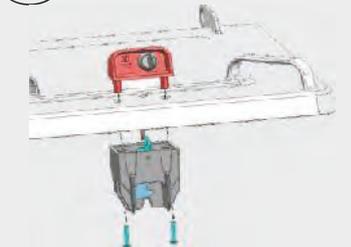
9



Drill the holes

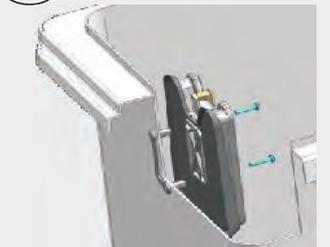
Ø 10 mm
Ø 10 mm

10



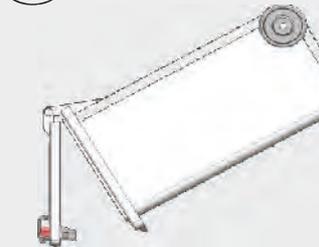
Mount the lid parts

11



Mount the gravity lock

12



Test the functioning of the lock

Details 2-wheel dustbin

(gravity lock part 7004-1)

The bin opens automatically when tipped to the front at an angle of more than 90 degrees.



Details 4-wheel dustbin - Automatic

(gravity lock part 7004 - 1)

The bin opens automatically when tipped in any direction at an angle of more than 90 degrees.



Details 4-wheel dustbin - Manual

(gravity lock part 7004 - 2)

The bin does not open automatically.
An authorized person must manually open the bin.



Manual triangle lock in the dimension 81 x 41 mm, for municipal waste paper baskets , waste containers and similar vessels.

The housing is made of plastic , which is resistant to acids , alkalis, oil and petrol. The functional elements are made of zinc die-cast. The triangular cylinder can alternatively be ordered with a return spring or without. The hook is not included but can be offered individually

Triangular dimension 8mm, 9mm dome height

Suitable for this lock , we offer a triangular key made of zinc die-cast, which is also suitable for other locks with 8 mm triangular cylinder such as Bollards, entry gates, cabinet doors, etc.



manual triangle lock



manual triangle lock



triangular key

Accessories



Screws and plastic fixing set



**Soft hand and finger protection
for small lower lid part /
manual 7002 - 5**



Price list





S. Franzen Söhne GmbH
Feuerbachstr. 8
42719 Solingen
Germany

Phone: +49 212 395 00
www.franzen-solingen.de
info@franzen-gruppe.de