

# LOCKSAFE MECHANIC

## Data sheet

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# 1. Description

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LOCKSAFE mechanic is a versatile and extremely robust locker for the storage and transfer of goods, e.g. for in-house tool storage and transfer, the storage of valuables as well as luggage storage.

Both doors and frame of the locker are shock and impact resistant and can even withstand being stepped on with steel toecap shoes without dents. With conventional sheet metal lockers from the catalog, the material thickness is usually less than 1 mm. With LOCKSAFE mechanic, the frame is made of 2 mm thick sheet steel and the doors are even made of 3 mm thick sheet steel. This makes the locker particularly stable and usable even in so-called rough environments.

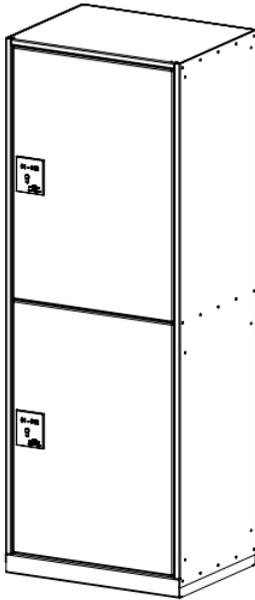
LOCKSAFE mechanic can also be easily manufactured in a version tested according to resistance class WK2. Due to the powder coating in RAL colors, many design variants can be realized (a RAL - colors 5001-9001 without surcharge).



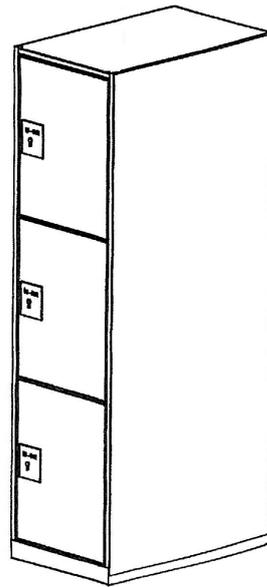
Locksafe Mechanic

## 2. Columns

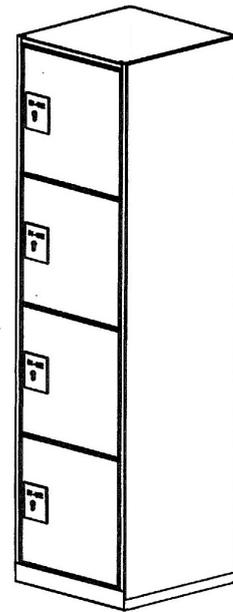
2-compartment column



3-compartment column



4-compartment column



| <b>DIMENSIONS:</b>                 | <b>Hight</b> | <b>Width</b> | <b>Depth 1</b> | <b>Depth 2</b> | <b>Compartment 1</b> | <b>Compartment 2</b> |
|------------------------------------|--------------|--------------|----------------|----------------|----------------------|----------------------|
| <b>Outer dimensions (mm)</b>       |              |              |                |                |                      |                      |
| 2-compartment-column:              | 2065         | 745          | 569            | 945            |                      |                      |
| 3-compartment-column:              | 2081         | 554          | 570            | 945            |                      |                      |
| 4-compartment-column:              | 2081         | 554          | 570            | 945            |                      |                      |
| <b>Compartment dimensions (mm)</b> |              |              |                |                |                      |                      |
| 2-compartment-column:              | 935          | 741          | 521            | 900            |                      |                      |
| 3-compartment-column:              | 609          | 494          | 521            | 900            |                      |                      |
| 4-compartment-column:              | 445          | 494          | 521            | 900            |                      |                      |
| <b>Volume (Liters):</b>            |              |              |                |                |                      |                      |
| 2-compartment-column:              |              |              |                |                | 361                  | 623                  |
| 3-compartment-column:              |              |              |                |                | 155                  | 269                  |
| 4-compartment-column:              |              |              |                |                | 112                  | 194                  |

## 3. Features

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- ◆ Material thickness of doors 3 mm, frame 2 mm, hinge rod Ø10 mm
- ◆ Additional reach-through protection from one compartment to the next
- ◆ One turn deadbolt lock with profile half cylinder
- ◆ Stainless steel compartment bottom → prevents scratching
- ◆ Stainless steel cover plate on the lock cylinder with engraved door number -> prevents scratches in the paintwork due to key use
- ◆ Different compartment sizes (on request)
- ◆ Powder coating in RAL colors e.g. RAL 5001-9001 (other colors and special coatings, UV protection, anti-graffiti, antibacterial on request)

## 4. Optional Features

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- ◆ Execution in resistance class WK2 (burglary resistance) possible
- ◆ Multipoint locking
- ◆ Can be equipped with master key
- ◆ Execution completely in stainless steel

## 5. Advantages and benefits

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- ◆ Due to the robust design and the high level of safety, the use in so-called harsh environments is possible.
- ◆ Can be used indoors or by arrangement - in protected outdoor areas.
- ◆ Installation in unprotected outdoor areas can be realized on request.
- ◆ Safe storage and transfer of goods.
- ◆ Easy handling and therefore quick usability.
- ◆ Durable system.
- ◆ Versatile.

## 6. Examples of use



✓ Safe and easy storage of **VALUABLES**



✓ Safe and easy storage and handover of **LUGGAGE**



✓ Safe and easy storage and transfer of **TOOLS** and **MATERIALS**

# 7. Material description

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## Material designation

- The addition of "raw" in the material designation indicates that the surfaces of the respective material have not been treated - they are in a raw or untreated state. Material corresponds to the delivered quality of the supplier.

## Color spectrum

- The standard color shades are from RAL Classic 5001 to RAL 9001. Of course, other color variants and coatings are also available at an additional cost.

## Material

a. Aluminum 3.3535

- EN 573-3

b. Stainless steel 1.4301

- DIN EN 10088-3

Corrosion resistance class 2 (according to DIN EN 1993-1-4 and general technical approval Z-30.3-6)

### Typical applications:

Standard materials for all known applications such as balcony balustrades, railing structures, cladding, fasteners. Rural and urban environment without significant exposure to chlorides and SO<sub>2</sub>.

c. Stainless steel 1.4404

- DIN EN 10088-3

Corrosion resistance class 3 (according to DIN EN 1993-1-4 and general technical approval Z-30.3-6)

### Typical applications:

Standard materials for structures with moderate exposure to chlorides, e.g. from road salt or in maritime environments, temperate climate. For moderate exposure to SO<sub>2</sub>. Structures and structural elements that are difficult to access and therefore cannot be regularly inspected and cleaned and have a service life of over 50 years.

d. Stainless steel 1.4462

- DIN EN 10088-3

Corrosion resistance class 4 (according to DIN EN 1993-1-4 and general technical approval Z-30.3-6)

#### Typical applications:

Extreme chloride loads which, with the simultaneous action of e.g. SO<sub>2</sub> or chlorine gas, can lead to the formation of strongly acidic surface films. Additional stress due to higher temperatures and the possibility of a considerable concentration of the mentioned substances due to a lack of cleaning options. A lack of sprinkling additionally increases the problem. Such conditions exist, for example, in swimming pool atmospheres or road tunnels. Here, the factor of stress corrosion cracking in particular comes into play.

#### e. Powder coating

Our powder coating partners are all certified in accordance with the quality mark of the Quality Management Community (QIB) or ISO 9001. Therefore, we can offer various powder coatings, life expectancies and corrosivity categories (derived from DIN 55634/ ISO 12944).

**NOTE!** The life expectancy does not correspond to the warranty period!

#### ➤ Type of surface characteristics

The locker systems are based on the standard level and may show various visual features. The surface characteristics are listed in the QIB-leaflet 3-1 "Visual assessment of coated, decorative surfaces". The most significant points are shown below.

#### ➤ Crater, Bubbles and Inclusions

max. 30 pcs. ≤ 1,0 mm<sup>2</sup> per m<sup>2</sup>; max. 8 pcs. ≤ 1,0 mm<sup>2</sup> per 100 cm<sup>2</sup>  
max. 5 pcs. ≤ 1,5 mm<sup>2</sup> per m<sup>2</sup>; max. 3 pcs. ≤ 1,5 mm<sup>2</sup> per 100 cm<sup>2</sup>

#### ➤ Paint tears and Accumulations

Approved and partially max. triple layer thickness allowed.

#### ➤ Gloss differences

Approved if within the following tolerances.

For metrological evaluations of industrial coatings by reflection measurement according to DIN EN ISO 2813 (60° measurement geometry) the following tolerance limits usually apply for:

- Glossy surfaces: 71 to 100 E (± 10 E)
- Silk-glossy surfaces: 31 to 70 E (± 7 E)
- Matt surfaces: 0 to 30 E (± 5 E)
- Color deviation

Approved, if not to noticeable. Reference lighting is the diffuse daylight (view distance in accordance with explanations must be respected).

A metrological evaluation is based on DIN 6175 Table 1 with the tolerance limit of a maximum of 1.5 times the permitted color deviation.

The numerical value of the metamerism index (according to DIN 6172) of subsequent deliveries must not exceed the numerical value of the color distance  $\Delta E_{AB}$ .

For different delivery batches of an order the color shades that may occur should not exceed 2 times the value of the tolerances specified in DIN 6175 Table 1. If components of several paint batches are joined together, the above mentioned 2-fold tolerance may be doubled if joints, mitres, corrugations, ornamental strips, cavities or the like are present.

**Attention:** Color deviations and discolorations are no base for warranty claims!

➤ Sanding marks

Sanding marks of max. roughness of  $R_{MAX} < 9 \mu\text{m}$  (equals abrasive paper with grain size 180 used with an extender orbital sander) are normally covered by conventional powder coating systems.

**Attention!** In the material processing and welding methods we use, we deliberately work with visible weld seams. These do not constitute a defect.

## 8. Why LockTec?



### Experience:

LockTec has been successfully active in the field of electronically controlled locker systems for decades and is the original inventor of locker systems for the delivery of goods.

The patent for the technology to deliver parcels via an automated system was filed in Germany in 1999. The international patent was granted in 2007.

LockTec is a competent and very experienced partner and manufactures a wide range of different locker systems such as left luggage locker systems for train stations, airports, shopping malls..., Cool Lockers for unattended delivery of food, medicines... for butcher shops, supermarkets, pharmacies..., service boxes for unattended delivery of tools, documents, valuables... for industrial companies, housing estates...

### Locksafe 5.1 locker system



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