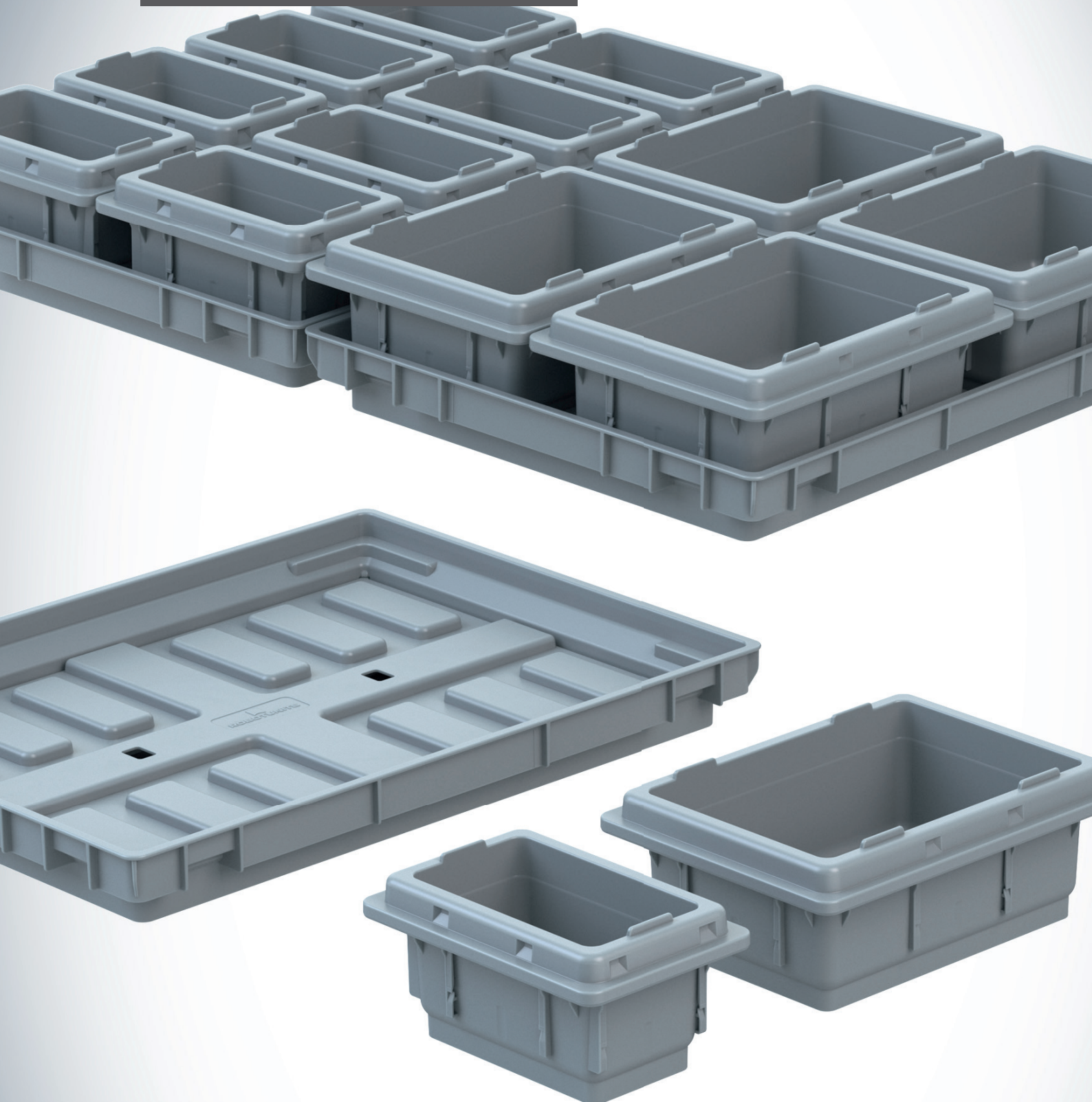# THE MODULAR
TOTE SYSTEM

ROBOTUNITS®

The Robotunits Tote System has been designed as an additional feature for the transport or storage of products in material handling. The main benefits of this new system are modularity, stability, and the seamless integration into the entire Modular Automation System. Whether it's sealed cardboard boxes for general cargo or bulk goods, we supply a customizable system to meet your needs.

Container system
- design has been specially adapted to our Kanban system
- optimized gripping capability for robots due to form-fit interface on the tote
- can be combined with the entire Modular Automation System

Safe and stable construction
- can be easily stacked on top of each other
- stacking nubs for non-slip transport
- ribbed base rim for best rolling characteristics on roller tracks

Can be used individually in the PickStar system
- track lengths and widths can be adjusted in just a few steps
- track width can be adjusted without tools
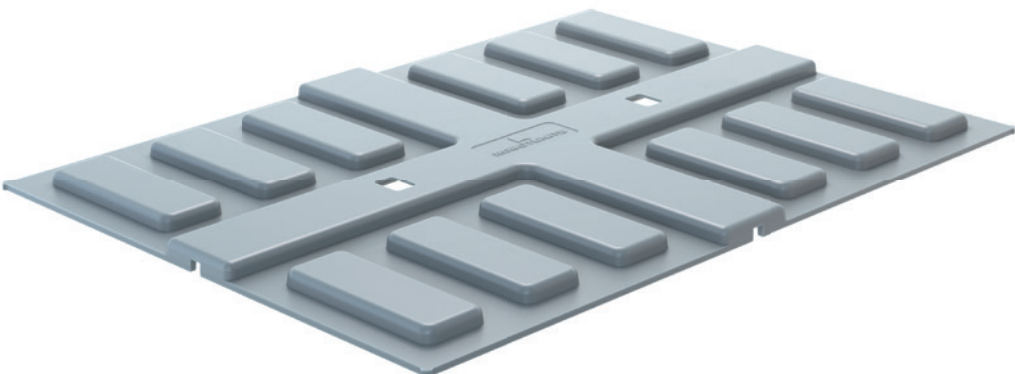- number of tracks can be adapted to the transport weight

Highly flexible
- tote dimensions allow for optimized stacking on trays and inlays
- allows for secure robot handling of tote
- trays and covers can be used multifunctionally (e.g. as tool or workpiece carrier)

Save time, reduce costs
- easy to learn, minimal training needed
- easy to integrate

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The modular Tote System

Small Parts Tote System   Page 136

Tote
150x100 / 200x150
BOX___

P. 138

Tray / Inlay
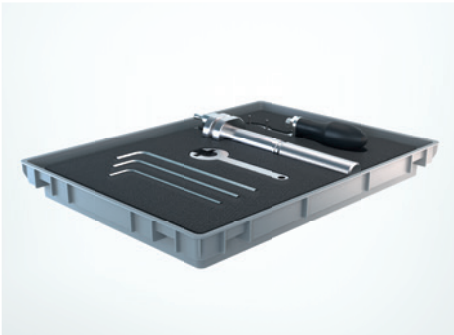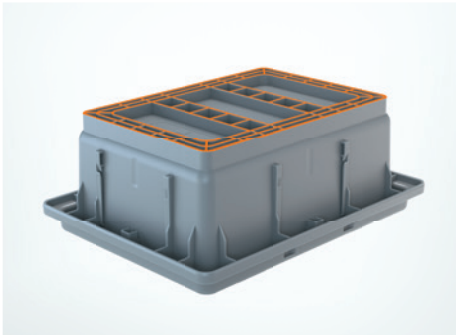400x300
BOX403_

P. 139

ROBOTUNITS®

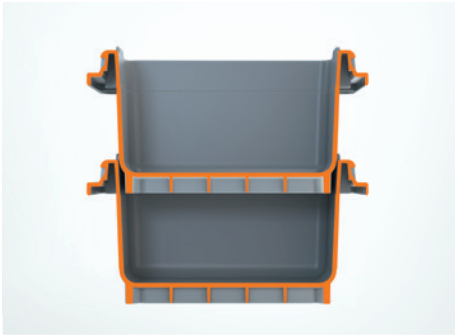# Small Parts Tote System - Product features

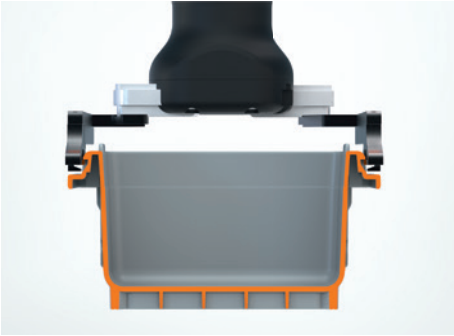**Stacking nubs**
for non-slip transport

Tray can be used multifunctionally
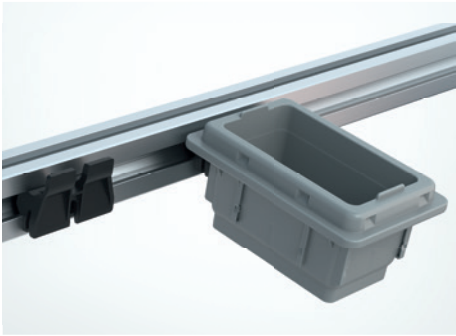(e.g. as a tool or workpiece carrier)

Ribbed base rim
for best rolling performance on roller tracks

Can be stacked on top of each other
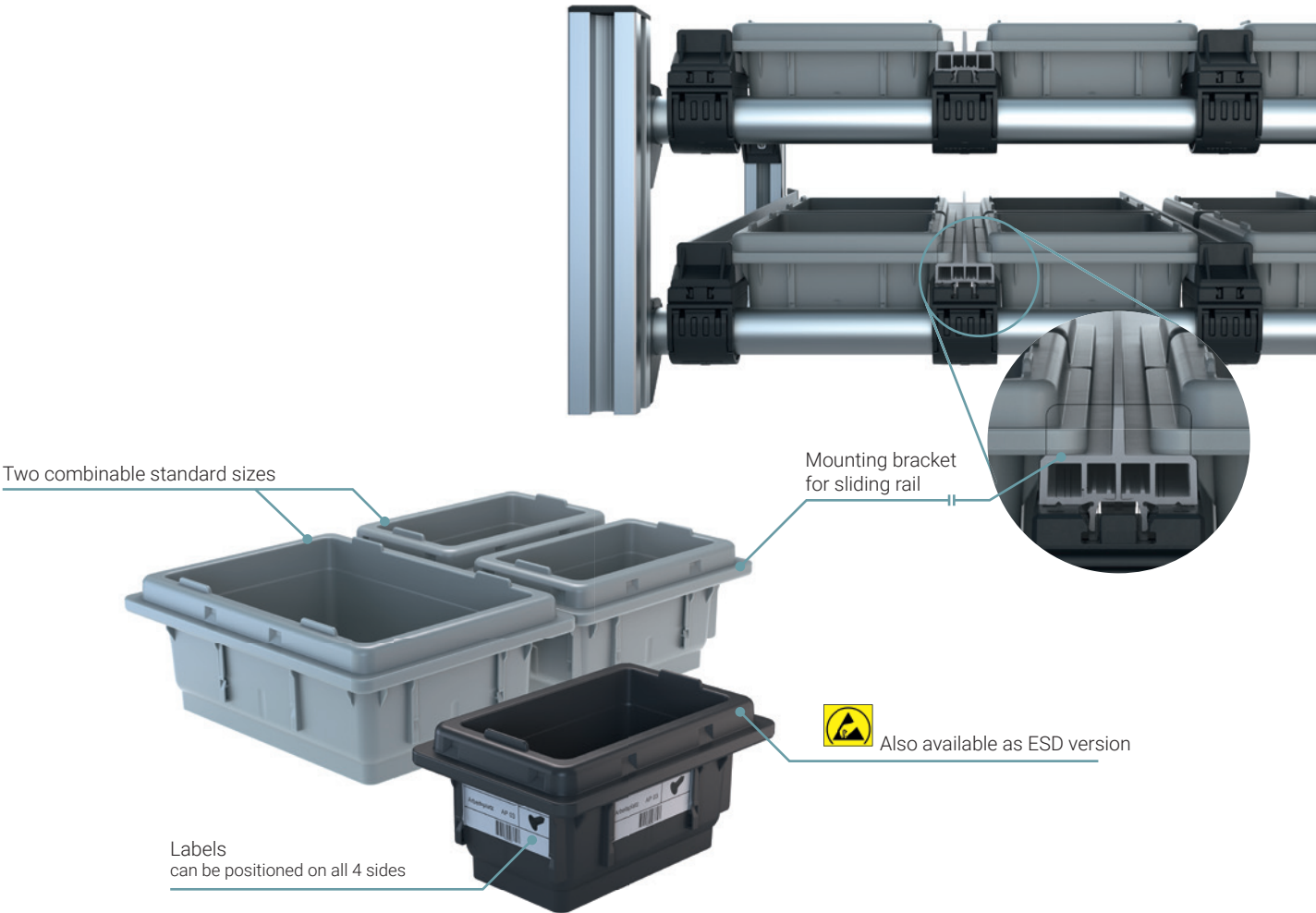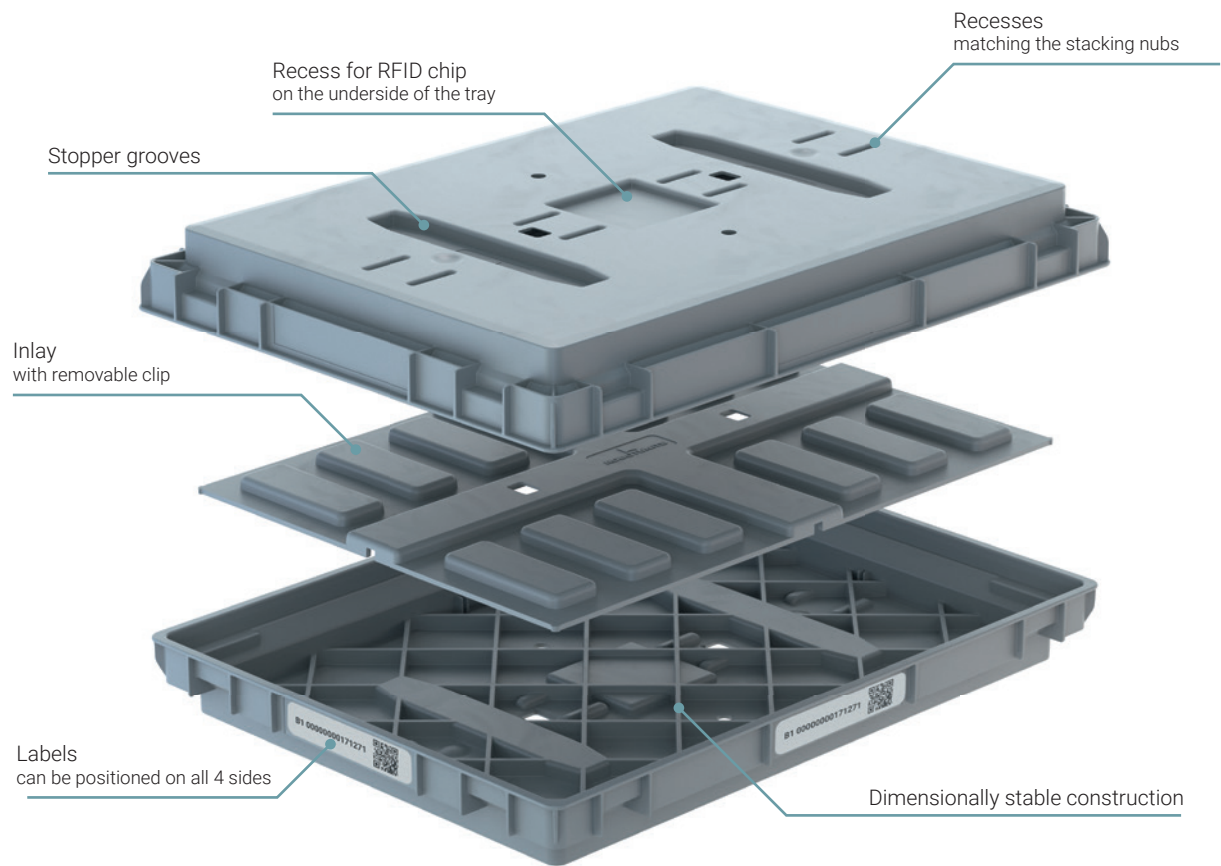with reference line for max. filling height

Optimal for being gripped by robots
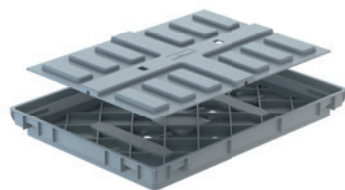
Box holders available as accessories

Combination - ideally integrated with the MBS PickStar

Two combinable standard sizes

Mounting bracket
for sliding rail

Also available as ESD version

Labels
can be positioned on all 4 sides

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Tray - Product features

Recesses
matching the stacking nubs

Recess for RFID chip
on the underside of the tray

Stopper grooves

Inlay
with removable clip

Labels
can be positioned on all 4 sides

Dimensionally stable construction

Stackable - from tray to pallet

Tray with inlay

Tray with filled inlay

Tray used as sandwich board

Sandwich board filled

Tray used as a lid

Pallet

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BOX____

Tote 150x100 / 200x150

Application
Small parts tote, compatible with the entire
Robotunits Tote System:
- Dimensionally stable
- Stackable
- Ergonomic
- Labeling on all 4 sides
  (slide-in or stick-on)

Technical data
Material: PP, ESD is available on request
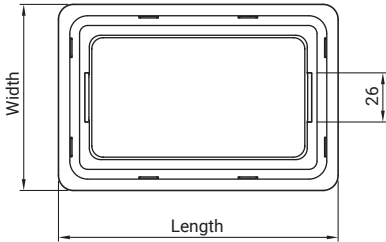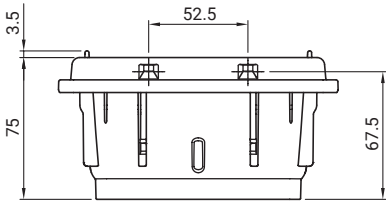Temperature resistance:
-20°C to +60°C, briefly +75°C
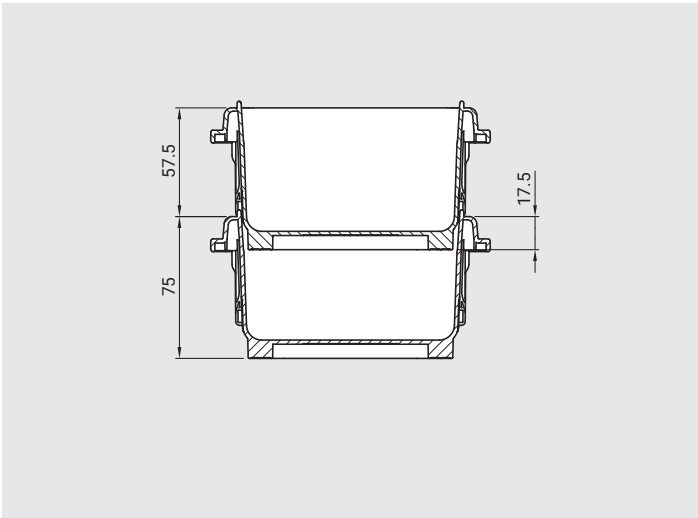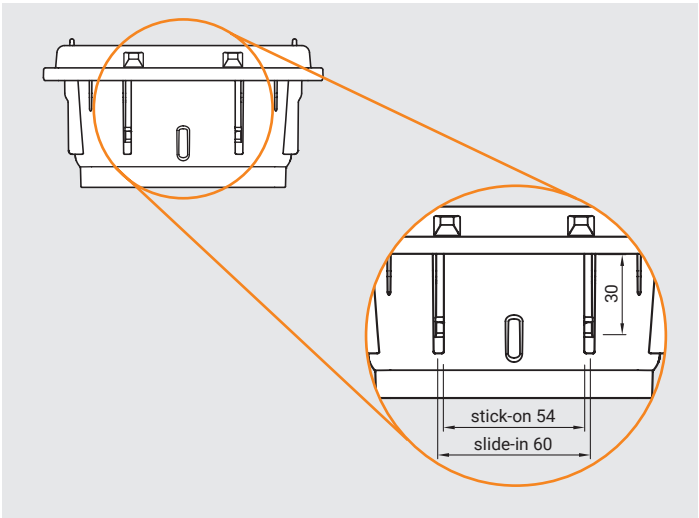
Load capacity
150x100 = 2.2 kg
200x150 = 4.4 kg

Stacking load
100 kg

Tote 150x100x75

Tote 200x150x75

Label dimensions

stick-on 54
slide-in 60

Stacking dimensions

Order code

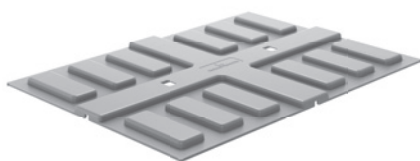| Description	Outer dimensions		Inner dimensions		Volume:	Order code	Weight/pc.
	Length	Width	Length	Width	Liter		
Tote 150x100x75, pack of 112 pcs.	148	98	110	60	0.45	BOX1510PAC0112	0.100 kg
Tote 200x150x75, pack of 56 pcs.	198	148	160	110	1.18	BOX2015PAC0056	0.170 kg

Drawings: Dimensions in mm

BOX403_   Tray 400x300 / Inlay 400x300

Tray 400x300

+
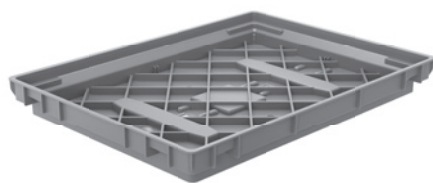
Inlay 400x300

=

Tray with inlay 400x300

Application
Tray, compatible with the entire Robotunits Tote System
• Dimensionally stable
• Stackable
• Replaceable inlay
• Low noise on conveyor lines
• Identification through side and bottom recesses for coding (e.g. data matrix)
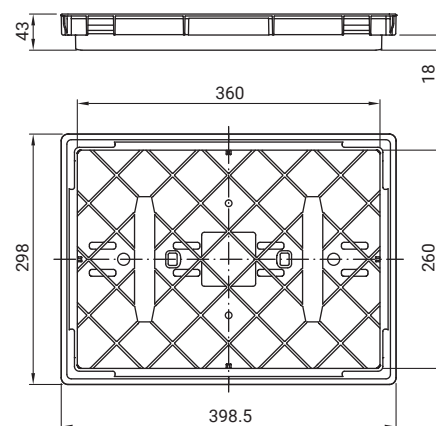• Stopper grooves
• Water drainage openings

Technical data
Material: PP, ESD is available on request
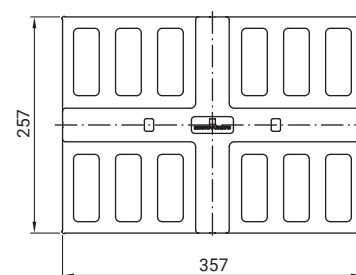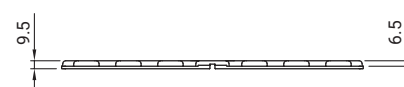Temperature resistance:
-20°C to +60°C, briefly +75°C
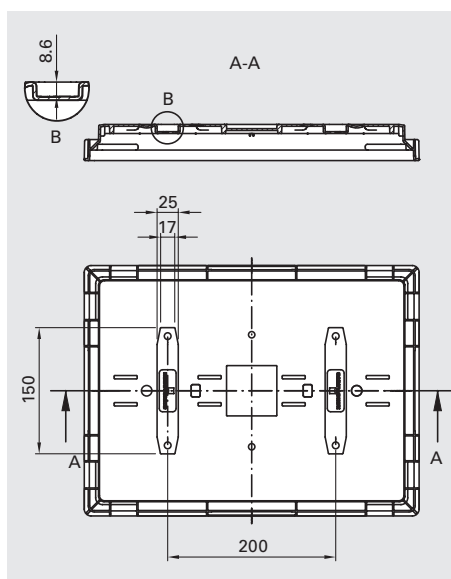
Load capacity
17.5 kg

Stopper groove

Tray 400x300

Inlay 400x300

Order code

Description	Order code	Weight/pc.
Tray 400x300, pack of 264 pcs.	BOX4030PAC0264	0.455 kg
Inlay 400x300, pack of 264 pcs.	BOX4031PAC0264	0.335 kg

Drawings: Dimensions in mm