

AROS® FOR AUTOMATED STORAGE APPLICATIONS

IMPROVE STORAGE MATERIAL HANDLING
IN AUTOMATED ENVIRONMENTS



ORBIS MLC6040-22 in ASRS warehouse

A Better Way

ORBIS®

 Powered by Menasha Corporation

DESIGNING AN EFFICIENT AUTOMATED SYSTEM

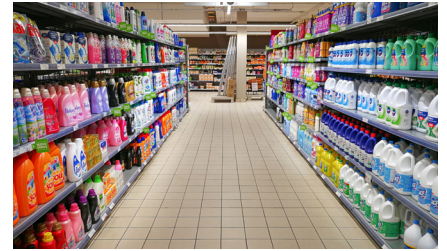
Choosing the right container is a critical element in the design of an automated system. ORBIS' AROS® packaging facilitates the efficient transfer, storage and organization of merchandise across industries.



E-Commerce



Retail Distribution



Consumer Packaged Goods

AROS PRODUCT BENEFITS

ORBIS' line of AROS (Automated Reusable Optimized Solutions) products are designed for seamless integration into automated storage systems and offer a variety of benefits.



High cubic density to maximize product fit with market leading interior cube



Independently evaluated by fire protection experts and licensed engineers with options compliant to FM Global Data Sheet 8-34



Unique features optimized for automated systems



Recyclable at end of life

SPECIFICATIONS - KEY MODELS

Model	Outside Dimensions (mm/in)			Inside Dimensions (mm/in)			Weight (kg/lb)	System Weight (kg)**	53' Truckload Quantity
	L	W	H	L	W	Product Clearance*			
ML6545-325*** Hybrid Bottom	650 (25.6)	450 (17.7)	325 (12.8)	621.5 (24.5)	421.5 (16.6)	311.0 (12.2)	3.4 (7.5)	35.0	928
ML6040-325 Hybrid Bottom	600 (23.6)	400 (15.7)	325 (12.7)	560 (22.0)	359 (14.1)	311.0 (12.2)	2.8 (6.2)	35.0	1,200
ML6040-325 Smooth Bottom	600 (23.6)	400 (15.7)	325 (12.7)	560 (22.0)	359 (14.1)	311.0 (12.2)	2.5 (5.5)	N/A	1,200

* Measured when not stacked.

** Racking configurations may impact.

*** Additional height options for 125-400mm.

ID OPTIONS

- Labels
- Bar codes

ACCESSORY OPTIONS (Not available for all products)

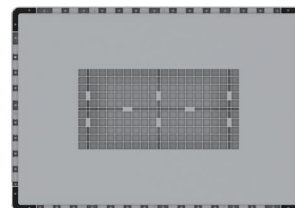


Dividers
(Eighth, Quarter or Half)

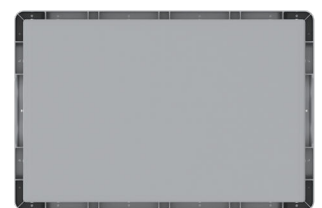


Cups
(Eighth, Quarter or Half)

BOTTOM OPTIONS (Not available for all products)



Hybrid



Smooth

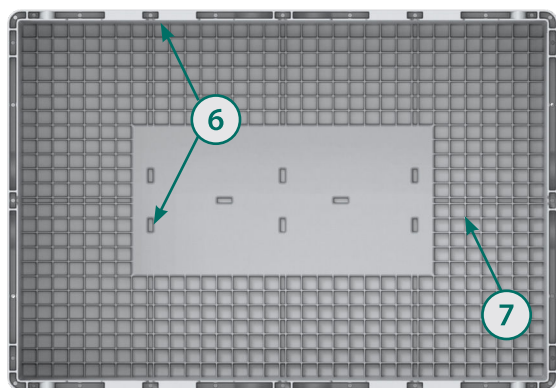
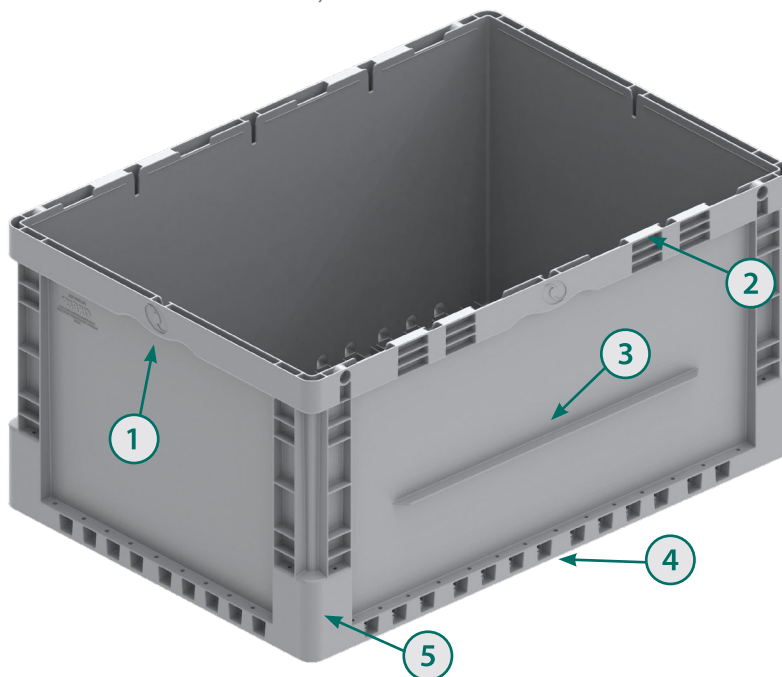
INNOVATIVE DESIGNS

ML6545-325: MARKET LEADING INTERIOR CUBE & FM COMPLIANT

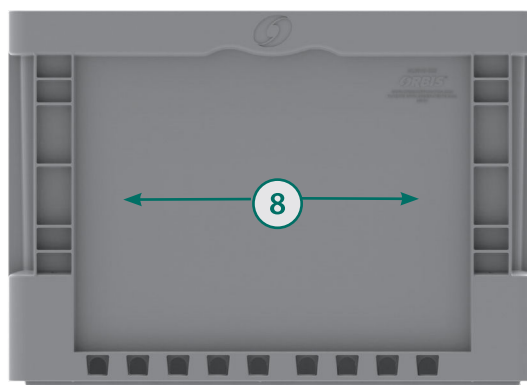
Footprint: 650mm x 450mm x 325mm (additional height options available in 125-400mm)

KEY FEATURES

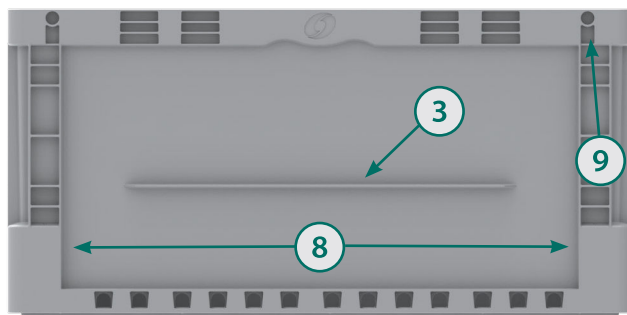
- 1/ Fingertip handles for easy manual handling
- 2/ Surfaces for specific cell identification
- 3/ Alignment rib
- 4/ Drain holes are offset to avoid system misreads
- 5/ Flat corners interface seamlessly with automation guides
- 6/ Optional dividers are secured at the top and bottom
- 7/ Hybrid bottom offers superior strength in a single piece design
- 8/ Optional barcode placement locations
- 9/ Automation locators ensure proper tote placement
- 10/ Smooth bottom perimeter provides smooth conveyance
- 11/ Beveled bottom edges promote smooth movement over conveyor rollers and transitions



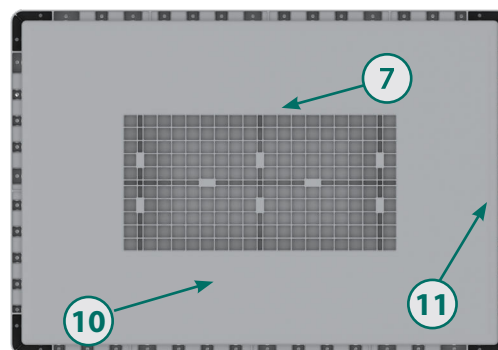
Interior



Short Side



Long Side



Bottom

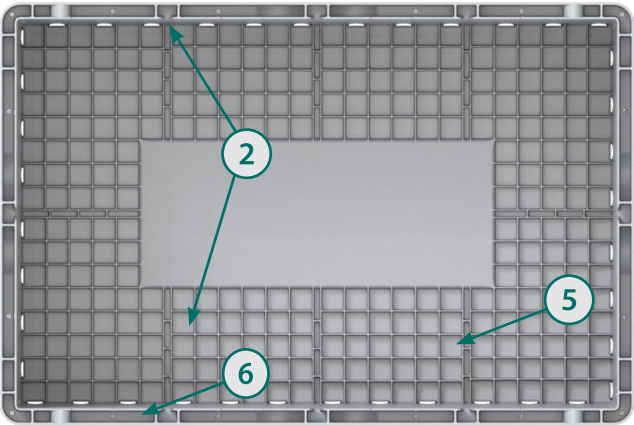
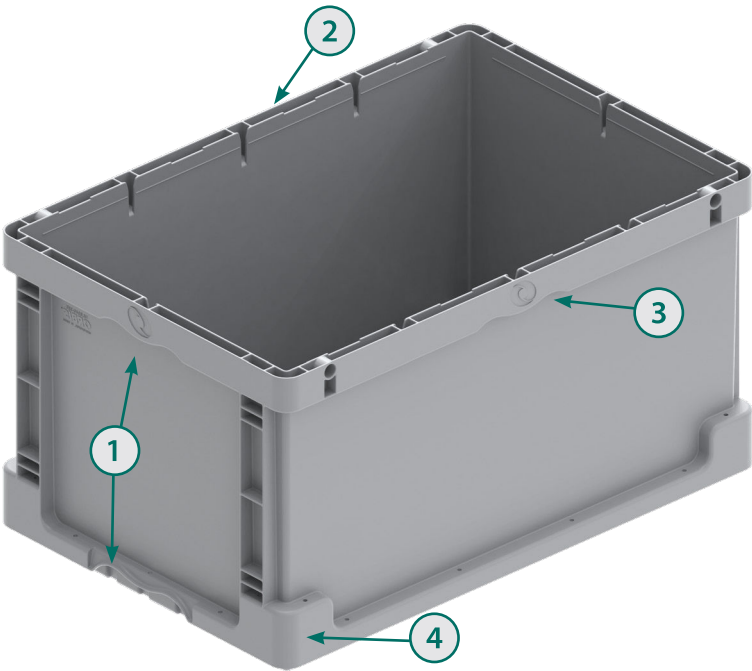
INNOVATIVE DESIGNS

ML6040-325: FM COMPLIANT

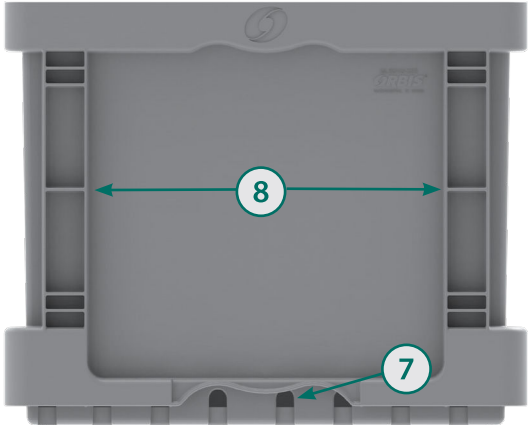
Footprint: 600mm x 400mm x 325mm

KEY FEATURES

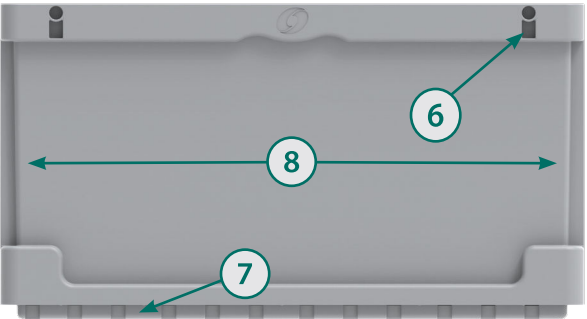
- 1/ Fingertip handles for easy manual handling
- 2/ Optional dividers protect product and are secured at the top and bottom
- 3/ Smooth walls allow automation to lift totes under the rim
- 4/ Flat corners interface seamlessly with automation guides
- 5/ Hybrid bottom offers superior strength in a single piece design
- 6/ Automation locators ensure proper tote placement
- 7/ Drain holes are offset to avoid system misreads
- 8/ Optional barcode placement locations
- 9/ Smooth bottom perimeter provides smooth conveyance
- 10/ Beveled bottom edges promote smooth movement over conveyor rollers and transitions



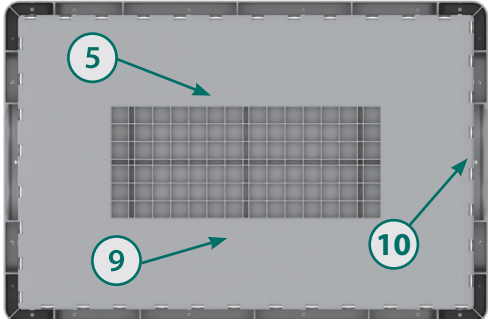
Interior



Short Side

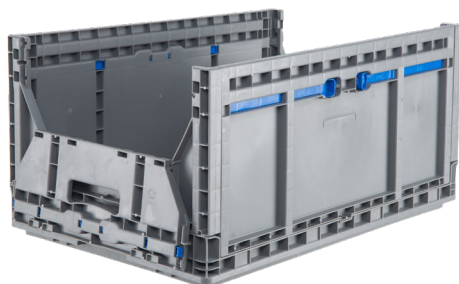


Long Side



Bottom

ADDITIONAL AROS PRODUCTS



MLC6040-30

- Collapsible walls designed for higher weight load applications and to facilitate efficient storage/return applications
- Drop doors increase facings for higher throughput picking
- 600x400x300mm footprint



ML6040-30

- Welded and reinforced bottoms available to minimize deflection
- Smooth, straight walls for maximum cubic capacity
- Recessed label areas for bar coding
- "Rising floor" version available for automated product sweeping
- 600x400x300mm footprint



ML6040-22

- Welded bottom available to minimize deflection
- Open or closed handle available
- Recessed label areas for bar coding
- 600x400x220mm footprint




MLN6543-32

- Nestable design offers an efficient 3.4:1 nest ratio when out of system
- Ventilated walls
- Handles for easy manual handling
- 650x430x320mm footprint

A BETTER WAY

Reusable packaging improves the flow of product all along the supply chain, to reduce total costs. ORBIS uses proven expertise, industry-leading knowledge and superior products to create reusable packaging systems that help world-class companies move their products faster, better, safer and more cost effectively.

To learn more on how ORBIS' line of AROS solutions can optimize your supply chain or to request a quote, please contact your local ORBIS representative today.

-  REDUCE WASTE
-  IMPROVE EFFICIENCY
-  OPTIMIZE SHIPMENTS
-  PROTECT PRODUCT
-  OPTIMIZE AUTOMATION



 Powered by Menasha Corporation

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03/22

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