ORBIS®

Powered by Menasha Corporation

Product Selection Guide

A Better Way with ORBIS

Reusable packaging for a more sustainable supply chain

www.orbiscorporation.com

HAND-HELD CONTAINERS | PALLETS | BULKPAK | CUSTOM DUNNAGE | METAL RACKS | SERVICES

A Better Way with ORBIS.

A more sustainable business starts with your supply chain.

Thank you for your interest in ORBIS Corporation, a subsidiary of Menasha Corporation. ORBIS believes there is a better way to optimize today's supply chains, with reusable packaging products and services. As reusable packaging continues to improve supply chains in many industries, ORBIS offers the resources, experience and insight to support you every step of the way.

ORBIS Corporation helps world-class companies move their product safer, faster and more cost-effectively with reusable totes, pallets, containers, dunnage, carts and racks. Reusables are designed for a long service life and intended to replace single-use boxes and pallets in the supply chain.

EXPERTISE AND INSIGHT TO OPTIMIZE YOUR SUPPLY CHAIN

As today's leading companies look to drive efficiency and sustainability in their business, they scrutinize every point of their supply chain, including the packaging used to move their products. This is where ORBIS excels. Our reusable packaging solutions improve the flow of product to reduce costs, enhance profitability and add sustainability.

COLLABORATION FOR A MORE SUSTAINABLE SUPPLY CHAIN

ORBIS packaging professionals listen and learn about customers' operations with the goal to collaborate, discover and facilitate a better way for our customers to move product in their supply chain. Using a proven approach, ORBIS experts analyze customers' systems, design a solution and execute a reusable packaging program for long-term cost savings and rapid ROI.

MEASURABLE RESULTS

ORBIS delivers measurable results. Using data from your company, we calculate the economic and environmental impact of reusable packaging on your supply chain. We help you compare reusable packaging with single-use packaging, in terms of ROI, cost per trip, savings over the life of the packaging, as well as solid waste, energy and CO2 emission impacts. This gives you unbiased data to make real-time packaging decisions.

SERVICES THAT DRIVE SUCCESS

We understand our customers and offer dedicated resources to support you. With our Implementation Services, ORBIS provides the analysis and expertise needed to ensure a smooth conversion to reusable packaging, as well as a rapid return on investment. ORBIS Engineering Services experts are available on-site or off-site to seamlessly implement cost-effective reusable packaging programs.

ORBIS Reusable Packaging Management (RPM) services help companies manage their packaging, to ensure you have the right packaging in the right place, at the right time.

PROVEN APPROACH, STRONG RESULTS

With locations in North America and Europe, rely on ORBIS to implement reusable packaging programs that drive results.

Connect with ORBIS today to learn more.

Our circular economy

Continuous flow of product for a sustainable supply chain

REDUCE
Reusables are designed to reduce waste, greenhouse gas emissions and energy use.

REUSE
Sustainable for many trips over a number of years.

RECYCLE
Manufactured, used, reused and reprocessed with zero impact to the solid waste stream.

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Our commitment to sustainability

97% products are recyclable at end of service life

99% water used in manufacturing operations is reused

100% products eliminate the need for single-use packaging

100% reusable packaging products are designed for sustainability

ORBIS 5-STEP APPROACH

Using a proven 5-step approach, ORBIS experts analyze their customers' systems, design a solution and execute a reusable packaging program for longer-term cost savings and sustainability. In many industries, ORBIS leads the implementation of reusable packaging systems that drive supply chain optimization. Using our proven approach, ORBIS integrates all aspects of planning to deliver a seamless implementation that meets your financial, environmental and operational objectives:

STEP 1 | ANALYZE

The optimization process begins with a careful analysis to identify the product flow, determine the application and prioritize the packaging objectives, including product protection, improved transportation efficiencies, etc.

STEP 2 | PROVE

Before a reusable packaging program decision can be made, it is important to demonstrate and prove how the packaging and related services translate into measurable efficiencies. The potential return on investment is calculated using metrics like time savings, cost reductions, safety, cleanliness or warehouse utilization.

STEP 3 | DESIGN

Upon approval, we start planning and designing the program. To meet the needs of your entire operation, we help you choose from our standard products or develop customized solutions, if necessary. In either case, the objective is to optimize your supply chain whenever and wherever we can. To further validate the solution, pilot programs can be conducted.

STEP 4 | IMPLEMENT

Once the plan is complete, ORBIS products (hand-held containers, bulk containers, plastic pallets, racks, sheets and dunnage) are delivered and seamlessly integrated into your system. ORBIS can oversee the entire implementation to ensure long term success, including training, automated equipment interface, etc.

Step 5 | EVOLVE

Supply chain systems are dynamic and the packaging programs that support them must evolve with them. New product launches, quality improvements, changing production processes and new labor practices may require new and innovative reusable packaging. On an ongoing basis, we'll work with you to incorporate these innovations to sustain your long term productivity and profitability.

IMPLEMENTATION SERVICES

ORBIS helps world-class companies move their product faster, safer and more cost-effectively. With on and off-site implementation support, container management programs and industry-leading recycling services, ORBIS helps today's leading companies reduce their costs and drive sustainability. Step by step, ORBIS' packaging professionals help companies optimize their supply chain with reusable packaging.

Projects can range from one day to one year or more, depending on the application. The goal is to use packaging, engineering, material handling and logistics experience to increase the speed and effectiveness of your implementation. The Engineering Services team can provide a variety of services that add value to your program that include:

- Needs assessment
- Cost-benefit analysis
- Right-sizing studies
- Inbound/outbound freight analysis
- Packaging standards development
- Work station analysis
- Material flow analysis
- Environmental analysis

ORBIS offers Environmental Analysis Services to compare and evaluate the environmental impacts of single-use and reusable packaging. Using life-cycle data, ORBIS helps companies determine the energy, greenhouse gas and solid waste impacts of their packaging. This analysis reviews the following drivers to fully understand what impacts your implementation:

- Marketplace trends
- Supply chain complexities
- Regulatory issues
- Supplier relationships
- Customer requirements
- Labor practices
- Transportation standards
- Cleanliness requirements
- Import/export requirements
- Product life cycles

CLOSE THE LOOP. RECYCLE WITH ORBIS.

Make a sustainable difference and get credit for your future packaging programs. Return your end-of-life packaging to create new products for your supply chain. By design, reusable packaging can be fully recycled into other useful products at the end of its service life. The **Recycle with ORBIS** program recovers, recycles and reprocesses end-of-life customer packaging back into useful product and provides an alternative to the disposal of surplus, damaged or obsolete plastic packaging. To facilitate the efficient recovery of material, ORBIS can provide credit toward future packaging.

Convenient 4-Step Process:

1/ Identify the type and amount of packaging to be recycled*
2/ Determine a fair market value
3/ Schedule a convenient pick-up
4/ Plan your next packaging program

Typical Materials Accepted:

- Crates, baskets and trays
- Hand-held totes
- Bulk containers
- Pallets and divider sheets
- Steel racks
- Dunnage
- Purgings

* Restrictions may apply. Please contact your ORBIS Sales Representative for program requirements.

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

COMPLETE YOUR RECYCLING PROFILE TODAY.

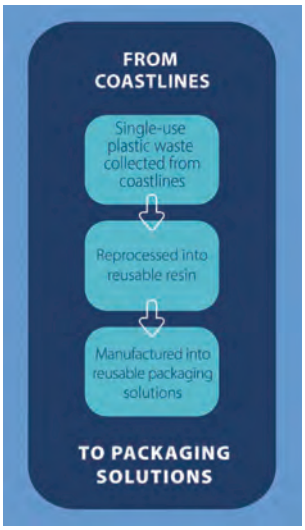
Click on "Recycle with ORBIS" on www.orbiscorporation.com or contact your ORBIS Sales Representative for additional information.

OCEAN IN MIND

ORBIS Bins and Pallets Now Available in Recycled Coastline Waste

ORBIS' Ocean in Mind program, which focuses on recovering and repurposing single-use plastic waste found on coastlines and using it in supply chain packaging. By definition, this is plastic waste recovered within 32 miles from a coastline. This waste typically consists of single-use consumer packaging waste, including beverage packaging, shampoo bottles, plastic bags, etc.

This recovered coastline plastic waste is blended with other materials during the ORBIS manufacturing process to create containers and pallets. This material recovery offers a stream of recycled content for reusable plastic packaging that reduces waste, preserves natural coastlines and supports economies in developing coastline communities. Connect with ORBIS today to learn how this new material can drive sustainability in your business.



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REUSABLE PACKAGING MANAGEMENT SERVICES

ORBIS Reusable Packaging Management (ORBIS RPM) services complement ORBIS Corporation's industry leading products to maximize your ROI on reusable packaging.

RIGHT PACKAGING, RIGHT PLACE, RIGHT TIME

A world class supply chain requires a world class reverse logistics solution. Most companies invest in reusable packaging to reduce waste, but an inefficient reverse logistics process can diminish these savings. With enhanced technology, processes and infrastructure, ORBIS RPM collaborates with customers to design and manage sustainable reusable packaging programs. ORBIS RPM operates packaging management centers across North America and Europe, focused solely upon tracking and returning your packaging assets and keeping your supply chain moving. ORBIS RPM manages all types of reusable packaging, including non-ORBIS manufactured packaging. ORBIS RPM customers experience:

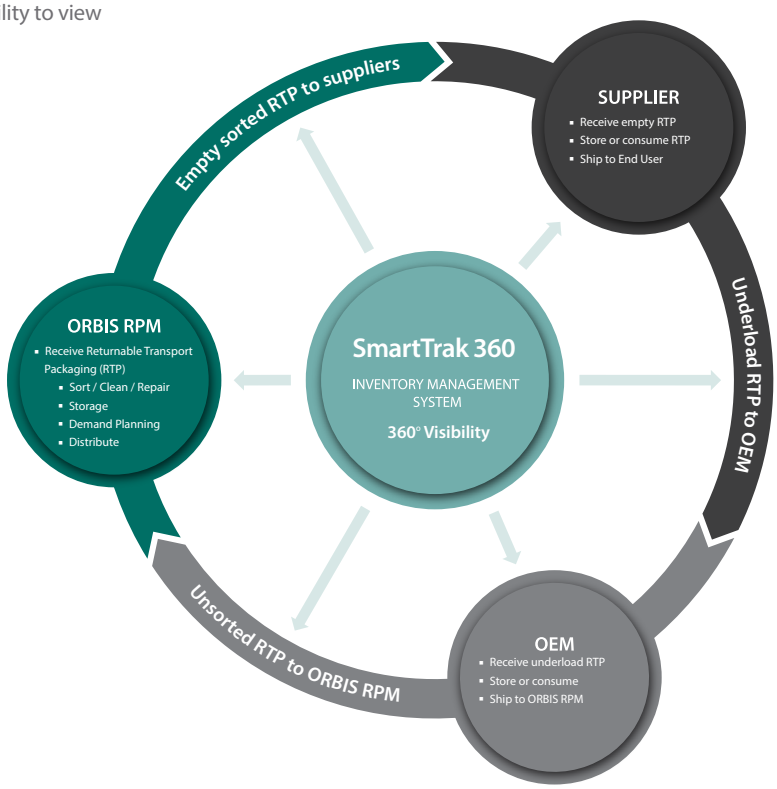
- Resources and expertise of a partner dedicated to packaging management
- Sustainable ROI initiatives
- Significant reductions in one-time expendable packaging costs
- Better control over transportation to reduce expenses
- Improved visibility of packaging throughout the supply chain
- Efficient asset utilization
- Reduced theft, breakage, and loss
- Extended life of reusable packaging with on-demand cleaning, repair and refurbishment

ORBIS RPM significantly cuts the time and effort needed to track, retrieve, clean and inventory packaging assets in a wide variety of industries, including automotive, industrial, food, beverage, retail distribution and consumer goods. ORBIS RPM uses SmartTrak 360 technology, a proprietary software system designed specifically for reusable packaging management. SmartTrak 360 provides crucial visibility to packaging assets at each node in the supply chain.

Through a secure online portal, ORBIS SmartTrak 360 users have the ability to view asset inventory at every location, including in-transit packaging.

SmartTrak 360 integrates with customer systems allowing packaging to be replenished based on actual demand, eliminating production disruptions. ORBIS RPM helps our clients get the right packaging where it is needed and when it is needed.

Find ORBIS RPM at www.orbisrpm.com to reduce waste and accelerate your supply chain.



ORBIS® RPM
REUSABLE PACKAGING MANAGEMENT

Powered by Menasha Corporation

ACCELERATE BENEFITS OF REUSABLE PACKAGING IN ASSEMBLY OPERATIONS

Reusable packaging is a crucial component for the efficient operation of automotive and industrial assembly supply chains, yet most manufacturers lack the processes and controls required to support the reverse logistics process. Lean supply chains depend on having an effective packaging management process.

ORBIS RPM is a dedicated resource to manage the collection, cleaning, maintenance, and return of reusable packaging. A properly managed supply chain pays immediate dividends by reducing waste from excess transportation, labor, and expendable packaging. ORBIS RPM solutions provide:

- Reduced packaging stock outs and charge backs
- Reduced empty miles with consolidated returns or a managed pooling solution
- Optimized use of packaging assets
- On-demand cleaning, repair and refurbishment of the fleet
- Visibility of packaging assets with SmartTrak 360
- RFID enabled packaging solutions

ORBIS RPM operates multiple industrial service centers across North America and Europe to facilitate the efforts needed to track, retrieve, sort, clean and inventory your packaging. ORBIS manages all types of returnable packaging, from containers to dunnage to metal racks to pallets, including non-ORBIS manufactured packaging.

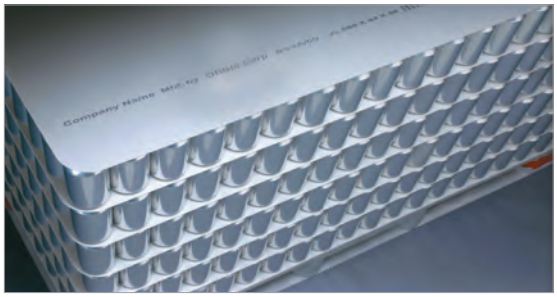
SUSTAINABILITY WITH MANAGED REUSABLE PACKAGING IN THE BEVERAGE INDUSTRY

ORBIS RPM helps today's leading beverage, food and aerosol suppliers and fillers experience the benefits of plastic pallet systems, while eliminating the day-to-day complexities of managing, tracking and cleaning.

ORBIS RPM ensures the right pallet systems are available when and where needed. This reduces return transportation costs by eliminating premium freight associated with packaging stock outs, maximizing return truck utilization and reducing back haul costs. From the container manufacturer to the filler and back, ORBIS RPM understands the supply chain and manages packaging assets to meet customer requirements and bring the most value to all supply chain partners.

Benefits of an ORBIS RPM solution include:

- Less packaging waste from expendable packaging
- Reduced storage space required on-site
- Optimized inventory levels utilizing SmartTrak
- Scheduled deliveries based on production plans
- Reduced risk of contamination with reusable plastic packaging
- State-of-the-art wet and dry cleaning technologies



ORBIS RPM operates multiple service centers in North America to track, retrieve, sort, clean and inventory packaging assets.

HAND-HELD CONTAINERS

ORBIS offers a variety of straight-wall and stack and nest containers, totes and bins for a wide range of applications

All ORBIS containers protect product during picking, assembly, processing, storage and distribution applications in a wide variety of industries, including beverage, dairy, pharmaceutical, poultry, automotive, appliance, aerospace, bakery, produce, distribution, apparel and electronics.

- Standardized sizes for industry pallet footprints
- Optional attached or detached covers for added product protection
- Compatibility with automated systems
- Protected areas for labels and RFID tags
- Greater ergonomics than expendable packaging
- Easy to clean

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Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

All dimensions and specifications are nominal. The information contained herein is general in nature and is for information purposes only. Please contact your ORBIS sales representative to ascertain the characteristics of each ORBIS product and its suitability for the intended use or purpose. ORBIS hereby disclaims any express or implied representations or warranties respecting the information contained herein.

STAKPAK SYSTEMS

Automotive Parts and Components | High-Tech Parts | Electric Vehicle Assembly | Industrial Parts

The StakPak System offers more than 20 straight-wall modular containers with advanced features to optimize your reusable packaging system. The StakPak container system is designed for just-in-time applications where the same containers are used for shipping, storage and work-in-process.

StakPak Plus Available in 5 Heights

The StakPak Plus takes all the best attributes of the standard StakPak, including reusability and cost savings, and combines them with collars to increase container capacity. With vertical corner ribs on the collars, StakPak Plus totes are built for strength and durability. The injection-molded 3.5" collar is permanently installed on 24"x 15" and 32" x 15" StakPaks to create taller totes, with more internal volume.

Cut-N-Weld Containers Add Width, Height or Length

Add length, width or height to an existing injection-molded StakPak to create a durable, reusable container to fit your application.

- Strength of injection molding
- Eliminate tooling costs associated with a custom order
- Extended Length Pallets available (See p. 16)

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Specifications All dimensions in inches, unless specified.

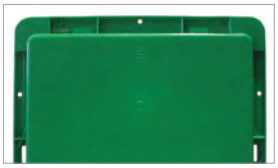
Model	Bottom Style			Outside Dimensions			Inside Dimensions (Bottom)				Weight (lb.) +/- 3%		Containers Per Layer 45" x 48"	53' Trailer 50" Unit Loads
	Smooth (M)	Textured (S)	Reinforced (R)	L	W	H	L	W	Product Clearance*					
									M/S	R	M/S	R		
NXO CONTAINERS														
NXO1215-5	M		R	12.0	15.0	5.0	9.5	13.1	4.4	3.9	1.6	1.9	12	5,616**
NXO1215-7	M		R	12.0	15.0	7.5	9.5	13.1	6.9	6.4	2.4	2.6	12	3,744
NXO1215-9	M		R	12.0	15.0	9.5	9.5	13.1	8.9	8.4	2.4	2.7	12	3,120
NXO2415-5	M			24.0	15.0	5.0	21.5	13.1	4.4	3.9	2.8		6	2,808
NXO2415-7	M		R	24.0	15.0	7.5	21.5	13.1	6.9	6.4	3.5	4.0	6	1,872
NXO2415-9	M		R	24.0	15.0	9.5	21.5	13.1	8.9	8.4	4.2	4.7	6	1,560
NXO2415-11			R	24.0	15.0	11.0	21.5	13.1	-	9.9	-	4.8	6	1,248
NXO2415-11.5	M			24.0	15.0	11.5	21.5	13.1	10.9	-	4.7	-	6	1,248
NXO2415-14	M		R	24.0	15.0	14.5	21.5	13.1	13.9	13.4	5.3	5.7	6	936
NXO2422-7	M		R	24.0	22.5	7.5	21.5	20.6	6.9	6.4	4.7	5.2	4	1,248
NXO2422-11	M		R	24.0	22.5	10.9	21.5	20.6	10.3	9.8	6.0	6.8	4	832
NXO2422-14	M		R	24.0	22.5	14.5	21.5	20.6	13.9	13.4	7.3	8.2	4	624
NXO3215-7		S		32.0	15.0	7.5	29.5	13.1	6.9	-	4.7	-	4	1,248
NXO4815-7			R	48.0	15.0	7.5	45.5	13.1		6.4		7.2	3	936
NSO CONTAINERS														
NSO1207-5	M			12.0	7.4	5.0	9.5	5.6	4.5	-	1.0	-	24	11,232**
NSO1215-4	M		R	12.0	15.0	4.0	9.6	13.2	3.4	2.9	1.6	2.0	12	6,864**
NSO1615-7		S		16.0	15.0	7.5	13.1	13	6.9	-	3.0	-	9	2,808
NSO1615-9		S		16.0	15.0	9.5	13.0	13.1	8.9	-	3.4	-	9	2,340
NSO2415-4	M		R	24.0	15.0	4.0	21.5	13.1	3.4	2.9	2.5	3.6	6	3,432**
NSO2422-9	M			24.0	22.5	8.7	21.3	20.4	8.2	-	5.3	-	4	1,040
MSO and SO CONTAINERS														
MSO1215-4	M			12.0	15.0	4.0	9.9	12.7	3.4	-	1.6	-	12	6,864**
MSO2415-4			R	24.0	15.0	4.0	21.6	13.0	-	2.8	-	3.5	6	3,432**
SO2411-9		S		24.0	11.2	9.5	21.7	9.5	8.7	-	4.3	-	8	2,080
SO4815-11			R	48.0	15.0	10.8	45.4	13.0	-	9.6	-	10.3	3	624
SO4822-7			R	48.0	22.5	7.3	45.4	20.5	-	6.3	-	10.4	2	624
STAKPAK PLUS CONTAINERS														
PLUS2415-16	M		R	24.0	15.0	16.5	21.5	13.1	15.9	15.4	7.2	7.7	6	624
PLUS2415-18	M		R	24.0	15.0	18.0	21.5	13.1	17.4	16.9	6.1	6.4	6	624
PLUS2415-21	M		R	24.0	15.0	21.5	21.5	13.1	20.9	20.4	8.4	8.7	6	624
PLUS3215-11		S		32.0	15.0	11.0	29.5	13.1	10.4	-	6.7	-	4	832
PLUS3215-14		S		32.0	15.0	14.5	29.5	13.1	13.9	-	8.7	-	4	624

Standard Color Options: Light Grey, Medium Grey, Gunmetal Grey, Medium Green, Royal Blue

* When containers are stacked on top of each other, approximately 1/2" is lost to nesting. Example: Bottom container in a stack is 7.5" in height. Containers of the same height stacked on top of it are 7.0" in height.

** In use, ORBIS does not typically recommend stacking these containers to the full 50" height due to weight and safety considerations.

Bottom Styles



Smooth Bottom (M)

Textured Bottom (S)

Reinforced Bottom (R)

HANDLING RECOMMENDATIONS:
Maximum Weight Per Tote – 40 lbs
Maximum Stack Height – 200 inches, or 4 unit loads
Maximum Static Load (weight on bottom corner of container) – 900 lbs

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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STAKPAK LIDS

Automotive Parts and Components | High-Tech Parts | Electric Vehicle Assembly | Industrial Parts

ORBIS has the most comprehensive offering of covers, including attached-lid or detached lids. Covers protect product from dust and contaminants during storage and transport. ORBIS also offers specific identification options for StakPak containers, including cardholders, labels and hot stamping. Please note that not all options are available on all containers. Contact your ORBIS Sales Representative for more details on placement, orientation, availability, minimum order quantities, lead times and set-up charges.

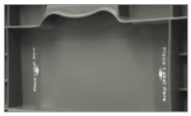
Specifications All dimensions in inches, unless specified. Outside dimensional tolerance of +/- .05"

MODEL	Bottom Style			Outside Dimensions			Inside Dimensions (Bottom)			Weight (lb) +/- 3%	Containers Per Layer 45" x 48"	53' Trailer 50" Unit Loads
	Smooth (M)	Textured (S)	Reinforced (R)	L	W	H	L	W	Product Clearance*			
CONTAINERS WITH ATTACHED LIDS												
NSOAN1215-7	M			12.0	15.0	7.5	9.5	13.1	6.6	3.0	12	3,744
NSOAN1215-9	M			12.0	15.0	9.5	9.5	13.1	8.6	3.3	12	3,120
NSOA2415-7	M			24.0	15.0	7.5	21.5	13.1	6.6	5.2	6	1,872
NSOAN2415-9	M			24.0	15.0	9.5	21.5	13.1	8.6	5.6	6	1,560
NSOAN2415-11.5	M			24.0	15.0	11.6	21.5	13.1	10.8	6.5	6	1,248
NSOA2415-14	M			24.0	15.0	14.6	21.5	13.1	13.8	7.3	6	936
SOA2411-9		S		24.0	11.2	9.5	21.5	9.1	8.5	5.6	8	2,080
NSOA1407		S		14.0	7.5	6.6	11.1	5.5	5.7	2.0	8	5,616
DETACHED LIDS												
RCSO1207-1	-	-	-	12.0	7.4	-	-	-	-	0.3	-	-
RCSO1215-1	-	-	-	12.0	15.0	-	-	-	-	0.8	-	-
RCSO2415-1	-	-	-	24.0	15.0	-	-	-	-	2.1	-	-
RCSO2411-1	-	-	-	24.0	11.2	-	-	-	-	1.0	-	-
RCSO2422-1**	-	-	-	24.0	22.4	-	-	-	-	2.6	-	-
RCSO3215-1	-	-	-	32.0	15.0	-	-	-	-	1.8	-	-

* When containers are stacked on top of each other, approximately 1/2" is lost to nesting. Example: Bottom container in a stack is 7.5" in height. Containers of the same height stacked on top of it are 7.0" in height.

** Does not fit SO2422-7 or SO2422-9. Works with NSO containers in the same footprint.

IDENTIFICATION OPTIONS



NXO StakPaks can include a molded-in **Textured Surface** area on all four sides of the tote: 2 short sides, 2 long sides or 2 adjacent sides. The textured surface allows for easy removal of adhesive labels for identifying tote contents. Available on NXO containers only.

Polypropylene **Cardholders** quickly snap onto StakPaks, for instant identification. These cardholders, available in a wide variety of sizes to fit on different containers, accommodate removable cards with bar codes and other identification documents. (Pictured CHSO491)

StakPaks accommodate all types of **RFID Labels**. These totes offer several flat areas designed specifically for the precise placement of labels and tags. Multiple label styles are available to meet technical requirements.

StakPaks accommodate **Label Placards**. Completely removable and replaceable, these label placards accommodate all types of labels. Available in three sizes: 3.0" x 5.0" for 4" StakPaks; 3.0" x 6.25" for 4" StakPaks and 4.5" x 6.5" for StakPaks 5" or taller.

Hot Stamp identification is available for StakPaks. The original artwork must be supplied to ORBIS at the time of the order. Size and available location of the hot stamp will vary for each container. Minimum shipment is required.

Identification Options

Model	Outside Dimensions H	Outside Dimensions L	Description	Fits Container Heights	Fits Card Size
CHSO291	3.3	8.5	Polypropylene	4" NSOs	4.0 x 8.3
CHSO292	3.3	8.5	Polypropylene	4" MSOs	4.0 x 8.3
CHSO392	3.8	8.5	Polypropylene	5" & taller	4.0 x 8.3
CHSO491	4.6	8.5	Polypropylene	7" & taller	4.0 x 8.3
CHFC49	4.0	8.4	HDPE	Long Boxes	4.0 x 8.3
Placard*	3.0	6.5	Adhesive	4" and 5"	N/A
Placard*	4.5	6.5	Adhesive	7" and taller	N/A
CHV73-NFH2	3.3	7.8	Adhesive	Folding Containers	4.0 x 6.0
CHV81-2AH1	3.3	7.8	Adhesive	Folding Containers	4.0 x 6.0

For more information, please contact your ORBIS Sales Representative.

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Prevent Loss with Track and Trace Technology

ORBIS works with companies to analyze their supply chain, plant operations and distribution channel partners to enable robust asset tracking. ORBIS helps companies add visibility to packaging assets, minimize loss and dwell time, better manage tote fleets, optimize packaging assets and improve demand planning.

This technology provides data for companies to make informed business decisions. All StakPaks can be tracked with RFID, GPS, Bluetooth Low Energy (BLE), bar code scanning or a hybrid solution of these technologies.

StakPaks Made with Recycled Coastline Waste

OCEAN IN MIND

ORBIS' Ocean in Mind packaging initiative focuses on recovering and repurposing single-use plastic waste found on coastlines and using it in supply chain packaging. Recovered coastline plastic waste is blended with other materials during the ORBIS manufacturing process to create totes, bulk containers and pallets. This material recovery offers a new stream of recycled content for reusable plastic packaging that reduces waste and conserves natural coastlines.

ESD-Safe StakPaks Protect Electric Vehicle Parts

Electrostatic Discharge (ESD) transfers a finite amount of charge between two bodies at different potentials. Discharges from external sources like humans and equipment or induced electrostatic fields can damage ESD sensitive parts. ESD-safe containers protect integrated circuit (IC) products, including circuit boards and other electronics in the automotive supply chain from being damaged through electrostatic discharge. Utilizing ESD-safe packaging will protect the most sensitive components from static charge that occurs during manufacturing, assembly and shipping of electronic devices.

ORBIS offers a total solution system of containers and protective dunnage. ESD-safe material will transfer the charge through the container and dunnage, keeping your products safe during transportation. The two primary materials used are conductive and static dissipative material. The electrical properties of this material are permanent and unaffected by washing. ESD-safe material is available in all ORBIS StakPak and Hand-Held Folding Containers.

ESD Reference Guide

Resistance Classification taken from ANSI-ESD S541-2018.

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HAND-HELD FOLDING CONTAINERS

Automotive Parts and Components | High-Tech Parts | Electric Vehicle Assembly | Industrial Parts

Take the air out of shipping and storage costs with the Hand-Held Folding Container System. To sharpen your material handling efficiency, the Folding Container System gets right to the point: more capacity, less wasted space, reduced shipping and storage costs, and assembles or collapses in only 3.8 seconds.

HANDLING RECOMMENDATIONS:
Maximum Weight Per Tote – 40 lbs
Maximum Static Load (weight on bottom corner of container) – 400 lbs

Ergonomic pocket handles allow safe lifting with less strain on wrist, arm and back muscles.

Collapses to just 3"

NSO2422-11
on HHFC2422-11

HHFCs stack with straight-wall containers in the same footprint, for added system flexibility. All containers fit on the standard 45" x 48" AIAG pallet footprint.

- Molded-in cardholders provide easy access to identification cards.
- Knock down ratios result in lower return freight and warehousing costs.

Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions				Inside Dimensions				Weight (lb.) +/-3%	Volume (cu.ft.)	Containers Per Layer 48" x 45" Pallet	53' Trailer Quantity	
	Length	Width	Height Assembled	Height Collapsed	Length	Width	Product Clearance					Assembled	Collapsed
							Assembled	Collapsed					
HHFC1215-7	14.95	11.95	7.5	3.0	13.5	10.6	6.8	-	3.1	0.56	12	3,744	10,608
HHFC2415-7	23.98	14.98	7.5	3.0	22.19	13.67	6.3	-	5.7	1.14	6	1,872	5,304
HHFC2415-11	23.98	14.98	11.0	3.0	22.19	13.67	9.8	-	6.9	1.76	6	1,248	5,304
HHFC2422-7	23.98	22.28	7.5	3.0	22.19	20.97	6.3	-	7.5	1.75	4	1,248	3,536
HHFC2422-11	23.98	22.28	11.0	3.0	22.19	20.97	9.8	-	8.9	2.69	4	832	3,536

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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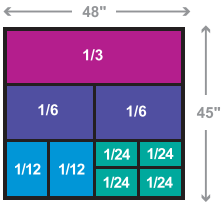
PALLET COMPATIBILITY

Automotive Parts and Components | High-Tech Parts | Electric Vehicle Assembly | Industrial Parts

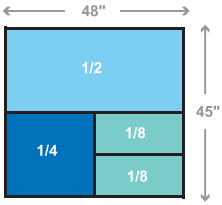
ORBIS StakPak containers are designed to optimize standard 30" x 32", 30" x 36", 32" x 38" and 45" x 48" pallet footprints. Please note that not all containers work on all pallet sizes. Please reference the diagrams below to confirm modularity. The pallets listed in this chart are designed to be compatible with the corresponding containers. Additional products may be compatible, but have not been tested.

NXO24215-14 Totes
on 45 x 48 Journey Pallet

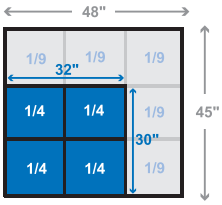
StakPak Configuration Options



StakPak Containers
48" x 15" (1/3)
24" x 15" (1/6)
12" x 15" (1/12)
12" x 7" (1/24)

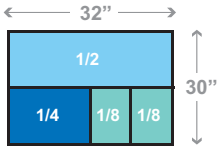


StakPak Containers
48" x 22" (1/2)
24" x 22" (1/4)
24" x 11" (1/8)

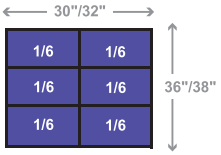


StakPak Containers
16" x 15" (1/4) on AIAG
30" x 32" footpring

15" x 15" (1/9)
on AIAG 45" x 48" footprint



StakPak Containers
32" x 15" (1/2)
16" x 15" (1/4)
14" x 8" (1/8)



StakPak Containers
12" x 15" (1/6)

Compatible Pallets

Containers	Nestable, Single Deck Pallets				Stackable, Double Deck Pallets					
	30 x 36-B CITS SO LP (Pg. 13)	45 x 48-2 MI CISS (Pg. 16)	45 x 48 BR MI CISF LP (Pg. 15)	45 x 48 SFP (Pg. 15)	30 x 32 CIISF (Pg. 13)	32 x 38 HD LP (Pg. 13)	45 x 48 HDPT Pallet (Pg. 14)	45 x 48 PT Pallet (Pg. 15)	45 x 48 BR CIISF (Pg. 14)	45 x 48 Journey (Pg. 14)
StakPak System (Pg. 7-9)	12 x 07 12 x 15	All	All	All	14 x 08 16 x 15 32 x 15	12 x 07 12 x 15	All	All	All	All
Hand Held Folding Containers (Pg. 11)	HHFC 12 x 15	All	All	All	N/A	N/A	All	All	All	N/A

Compatibility also applies to SBRR (seat belt) versions of pallets.

EXTENDED-LENGTH ORBIS PALLETS

Extended length pallets accommodate ORBIS' Cut-N-Weld containers. Available in both 45" and 48" widths. (See p. 16.)

- Choose from: 45 x 54, -56, -58, -60 CISS, 48 x 57, -60 and -62 MI CISS
- Single sheet thermoformed (HMWPE)
- Mirror-image design allows pallet to be used as a top cap
- Extended lengths accommodate custom sized containers

See pg. 13 for ORBIS Pallets
for StakPak and HHFC Systems

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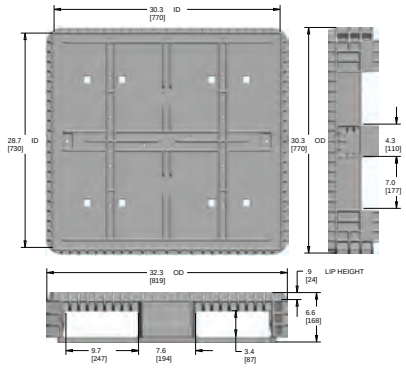
PALLETS FOR STAKPAK SYSTEMS

Automotive | Industrial

30 x 32 STACKABLE PALLET & TOP CAP

- "No guess" loading, with molded-in ridges to securely and accurately position containers
- Compatible with 14" x 8", 16" x 15" and 32" x 15" StakPak containers
- Fork truck entry: 4-way; Hand truck entry: 2-way (32" side)
- Available in recycled coastline plastic waste
- Options (p 74): Seat belt retractors (30" sides only), ID plates

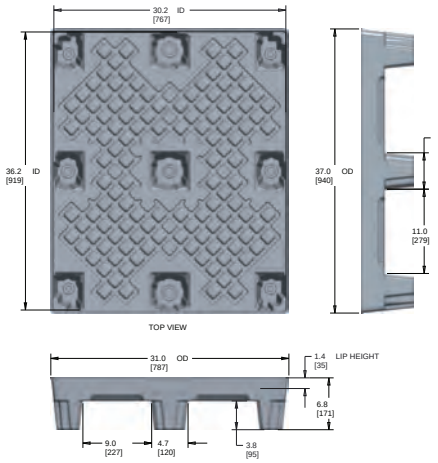


Model	Outside Dimensions		Inside Dimensions		Height*	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
30 x 32 CIISF	32.25	30.25	30.3	28.7	6.6	29.5	-	2,500	969
30 x 32 TC CIISF 1408 (recommended)	33.4	31.4	29.9	28.8	4.5	8.3	N/A	N/A	1,500
30 x 32 TC CIISF 16/3215 (recommended)	33.4	31.4	32.1	30.2	4.5	8.3	N/A	N/A	1,500

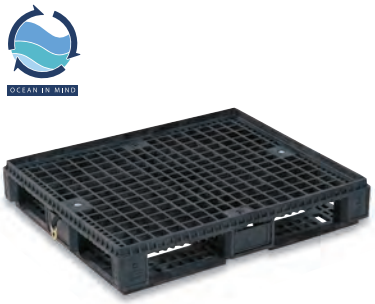
*Height includes .93" lip.

30 x 36 NESTABLE PALLET & TOP CAP

- Compatible with 12" x 15" and 12" x 7" StakPak containers
- Twin sheet thermoformed (HMWPE)
- Pallet Starting Sheet Gauge: 0.280"
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Molded-in logo, custom color striping, ID plates, vinyl labels, seat belt retractors (30" sides only)

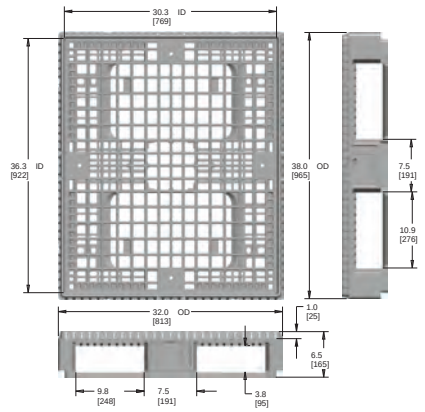


Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
30 x 36-B SBRR CITS SO LP	37.0	31.0	36.2	30.2	6.8	11.5	2.5:1	15,000	3,000	2,346
30 x 36 TOPCAP CISS	38.0	32.0	37.0	31.0	3.3	10.5	1.5:1	N/A	N/A	3,162



32 x 38 HEAVY DUTY STRUCTO-CELL (HDSC)

- Compatible with 12" x 15" and 12" x 7" StakPak Containers
- Fork truck entry: 4-way; Hand truck entry: 2-way
- Available in recycled coastline plastic waste
- Options (p 74): Molded-in logo, hot stamp, ID plates, seat belt retractors



Model	Outside Dimensions		Inside Dimensions		Height*	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
32 X 38 HD LP	38.0	32.0	36.2	30.2	6.5	35	20,000	4,000	912
32 X 38 HD TOPCAP (recommended)	36.9	30.9	N/A	N/A	3.25	15	N/A	N/A	2,925

*Height includes .93" lip.

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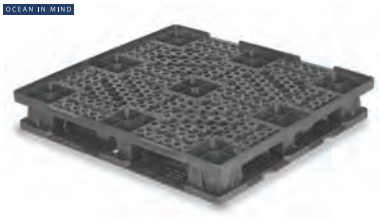
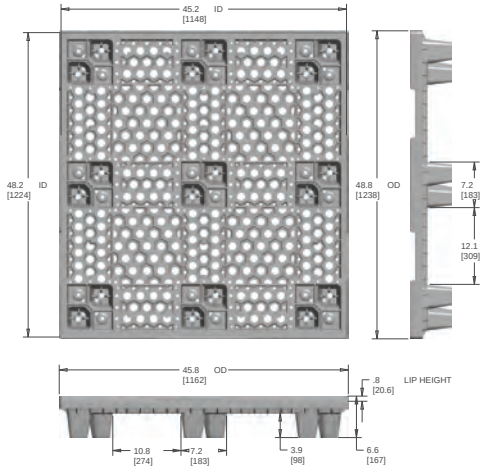
PALLETS FOR STAKPAK SYSTEMS

Automotive | Industrial



45 x 48 BR STACKABLE PALLET

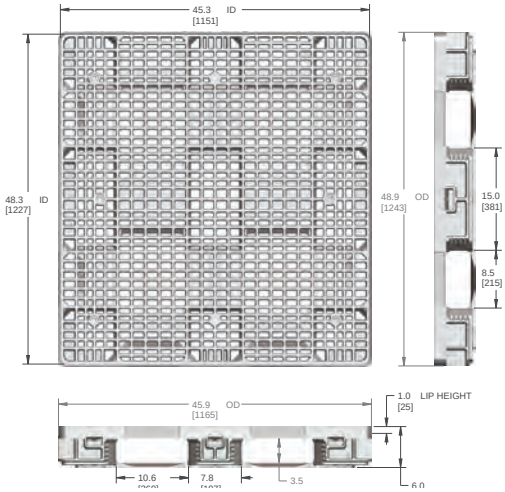
- Compatible with StakPak and Hand Held Folding Containers
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, ID plates, seat belt retractors



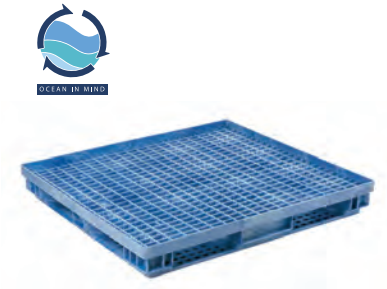
Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
45 x 48 BR CIISF LP	48.7	45.7	48.1	45.1	7.5	62.0	30,000	4,000	390
45 x 48 BR SBRR CIISF LP	48.7	45.7	48.1	45.1	7.5	62.0	30,000	4,000	390
45 x 48 CIISS TOPCAP	48.8	45.5	N/A	N/A	3.1	16.0	N/A	N/A	2,080

45 x 48 ORBIS JOURNEY STACKABLE PALLET

- Compatible with StakPak Containers
- Fork truck entry: 4-way; Hand truck entry: 2-way (45" side)
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, molded-in logo, seat belt retractors, recessed label pockets, ID plates

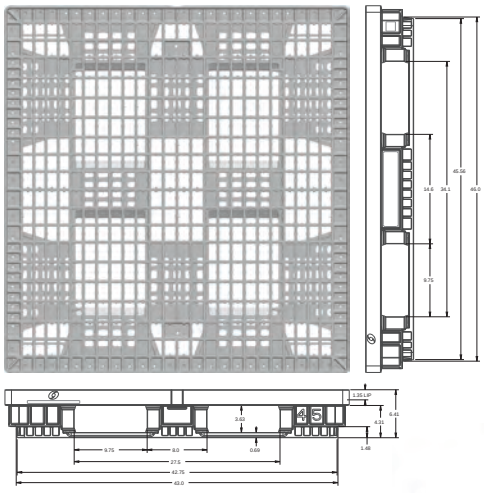


Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
45 x 48 JOURNEY	48.9	45.9	48.3	45.3	6.0	55.0	30,000	4,000	442
45 x 48 FM JOURNEY	48.9	45.9	48.3	45.3	6.0	57.0	30,000	4,000	442
45 x 48 JOURNEY TOP CAP	48.6	45.6	48.2	45.2	2.5	15.0	N/A	N/A	1,560



45 x 48 HDPT PALLET

- Compatible with 45 x 48 HDSC Top Cap
- Fork truck entry: 4-way; Hand truck entry: 2-way (45" side)
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, molded-in logo, ID plates



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
45 x 48 HDPT	49.0	46.0	6.1	45.3	30,000	4,000	520

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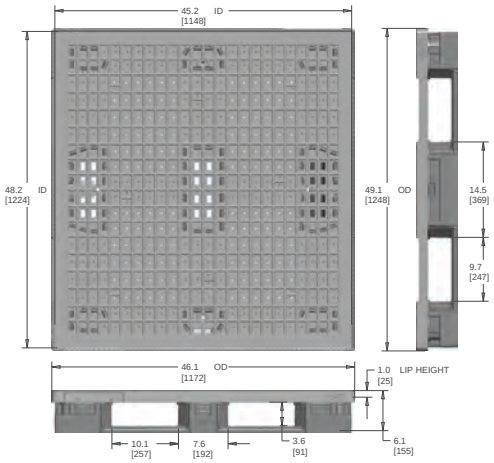
PALLETS FOR STAKPAK SYSTEMS

Automotive | Industrial

45 x 48 PT PALLET

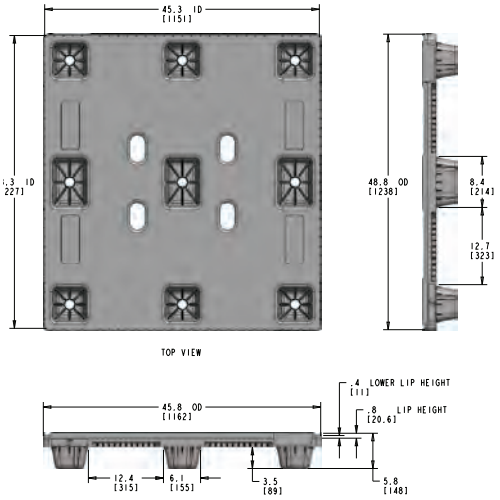
- Compatible with StakPak and Hand-Held Folding Containers
- Fork truck entry: 4-way; Hand truck entry: 2-way (45" side)
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, molded-in logo, ID plates, seat belt retractors (48" sides only)



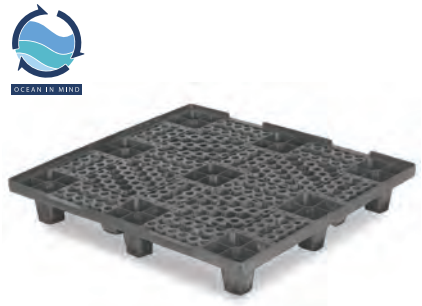
Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
45 x 48 PT	49.1	46.1	48.2	45.2	6.1	49.0	30,000	4,000	520
45 x 48 MP3 TOPCAP CISC	48.8	45.8	48.4	45.4	2.9	17.0	N/A	N/A	1,612

45 x 48 SFP NESTABLE PALLET

- Compatible with StakPak and Hand-Held Folding Containers
- Robust variable height continuous lip on all 4 sides
- 7/16" tall wrap around corners on all 4 sides
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, ID plates, vinyl labels

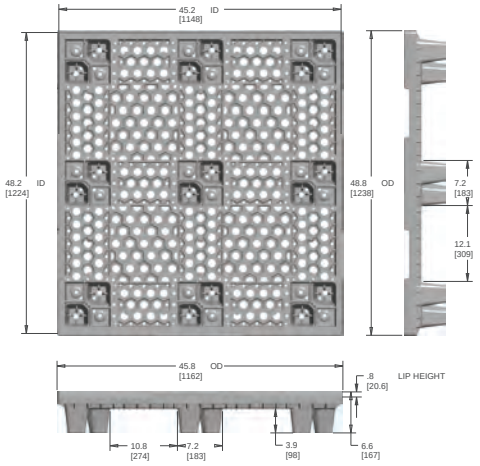


Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
45 x 48 SFP	48.8	45.8	48.3	45.3	5.8	37.0	2.0:1	30,000	4,000	884
45 x 48 MP3 TOPCAP CISC	48.8	45.8	48.4	45.4	2.9	17.0	N/A	N/A	N/A	1,612



45 x 48-BR NESTABLE PALLET

- Mirror-image design that allows the pallet to be used as a top cap (not possible on the SBRR version)
- Compatible with StakPak and Hand-Held Folding Containers
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Available in recycled coastline plastic waste
- Options (p 74): Hot stamp, seat belt retractors



Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
45 x 48 BR MI CISF LP	48.7	45.7	48.1	45.1	6.6	41.0	2.6:1	30,000	4,000	936
45 x 48 BR SBRR CISF LP	48.7	45.7	48.1	45.1	6.6	41.0	2.6:1	30,000	4,000	936
45 x 48 MP3 TOPCAP CISC	48.8	45.8	48.4	45.4	2.9	17.0	N/A	N/A	N/A	1,612

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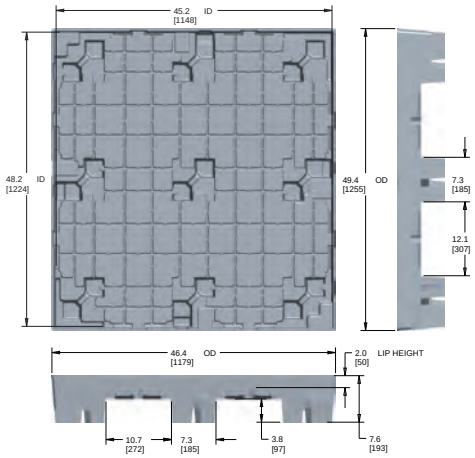
PALLETS FOR STAKPAK SYSTEMS

Automotive | Industrial

45 x 48-2 NESTABLE PALLET

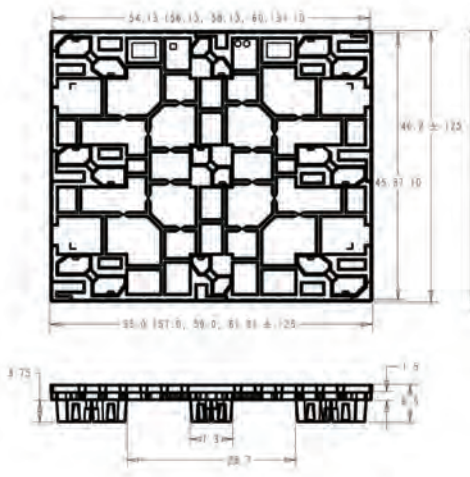
- Single sheet thermoformed (HMWPE)
- Mirror-image design that allows the pallet to be used as a top cap
- Compatible with StakPak and Hand Held Folding Containers
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Molded-in logo, hot stamp, ID plates, vinyl labels,custom color striping, seat belt assemblies



Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
45 x 48-2 MI SBRR CISS LP .250GA	49.4	46.4	48.2	45.2	7.6	21.0	1.9:1	15,000	2,500	754

45 x 54, 45 x 56, 45 x 58 AND 45 x 60 NESTABLE PALLETS

- Single sheet thermoformed (HMWPE)
- Extended lengths accommodate custom sized containers, including ORBIS' Cut-N-Weld containers (p. 7)
- Mirror-image design that allows the pallet to be used as a top cap
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Molded-in logo, vinyl labels, custom color striping, seat belt assemblies on 45 x 54 MI CISS (45" sides only)

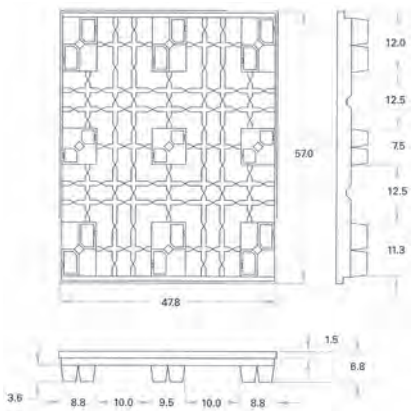


Pictured: 45 x 54 MI CISS LP

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
45 x 54 MI CISS LP	55.0	46.2	54.1	45.3	6.5	23.0	2.0:1	15,000	2,500	660
45 x 56 MI CISS LP	57.0	46.2	56.1	45.3	6.5	24.0	2.0:1	15,000	2,500	660
45 x 58 MI CISS LP	59.0	46.2	58.1	45.3	6.5	25.0	2.0:1	15,000	2,500	600
45 x 60 MI CISS LP	61.0	46.2	60.1	45.3	6.5	26.0	2.0:1	15,000	2,500	600

48 x 57, 48 x 60 AND 48 x 62 NESTABLE PALLETS

- Single sheet thermoformed (HMWPE)
- Mirror image design allows pallets to be used as top caps
- Extended length useful when used with StakPak Cut-N-Weld Containers
- Starting Sheet Gauge: .300"
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Custom color striping, ID plates, vinyl labels



Pictured: 48 x 57 MI CISS LP

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
48 x 57 MI CISS LP	57.0	48.0	56.0	47.0	6.8	29	3.5:1	15,000	2,000	840
48 x 60 MI CISS LP	60.0	48.0	59.0	47.0	6.8	31	3.5:1	15,000	2,000	840
48 x 62 MI CISS LP	62.0	48.0	61.0	47.0	6.8	32	3.5:1	15,000	2,000	600

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PLASTICORR

Food | Pharmaceutical | Primary Packaging | Health and Beauty | General Merchandise

Modern-day automated packaging systems have significantly improved production efficiencies and savings to help businesses stay in the lead in their competitive marketplace. Companies can take that savings to the next level. PlastiCorr is the first reusable packaging solution designed to work in the same automated case packing systems that use fiber corrugated boxes today. PlastiCorr reusable boxes are designed to hold up to the rigors of multiple trips through your supply chain, so you can replace your annual corrugate box requirement with a smaller fleet of PlastiCorr boxes, resulting in financial, operational and environmental benefits.

Through ORBIS' innovative, patented Enfold Technology score, PlastiCorr's box flaps return to straight position after every use, every time. This was never before available with fiber corrugated boxes on existing automated packaging lines. This Enfold Technology enables PlastiCorr to be used multiple times in existing automated packaging lines, capitalizing on the trusted repeatable performance that all reusable packaging exemplifies. This increased consistency reduces line downtime.

Count on a smooth conversion from your current boxes, with no change to pack count, plus some surprising benefits for your supply chain.

- Seamless integration with most types of automated packaging lines
- Repeatable packing, each and every time
- Interchangeable with existing boxes in your system
- Best practices in reverse logistics

Elevate your brand with high-quality in-line screenprinting*

*Cases in photo are intended to be representative of ORBIS' in-line printing capabilities and are samples only. Please contact your ORBIS Sales Representative today to discuss your branding requirements.

PLASTICORR IS ECONOMICAL
PlastiCorr boxes will last for many cycles through the supply chain, for a compelling ROI.

PLASTICORR IS CLEAN
PlastiCorr can help keep your plant and equipment clean. Its revolutionary plastic design eliminates operational issues associated with fiber corrugated, such as dust and moisture exposure.

PLASTICORR IS SEAMLESS
PlastiCorr boxes are a drop-in replacement that work in your existing packaging lines.

PLASTICORR IS SUSTAINABLE
PlastiCorr offers a significant overall reduction in environmental impact, further decreasing the water and energy used and solid waste created by your box inventory.

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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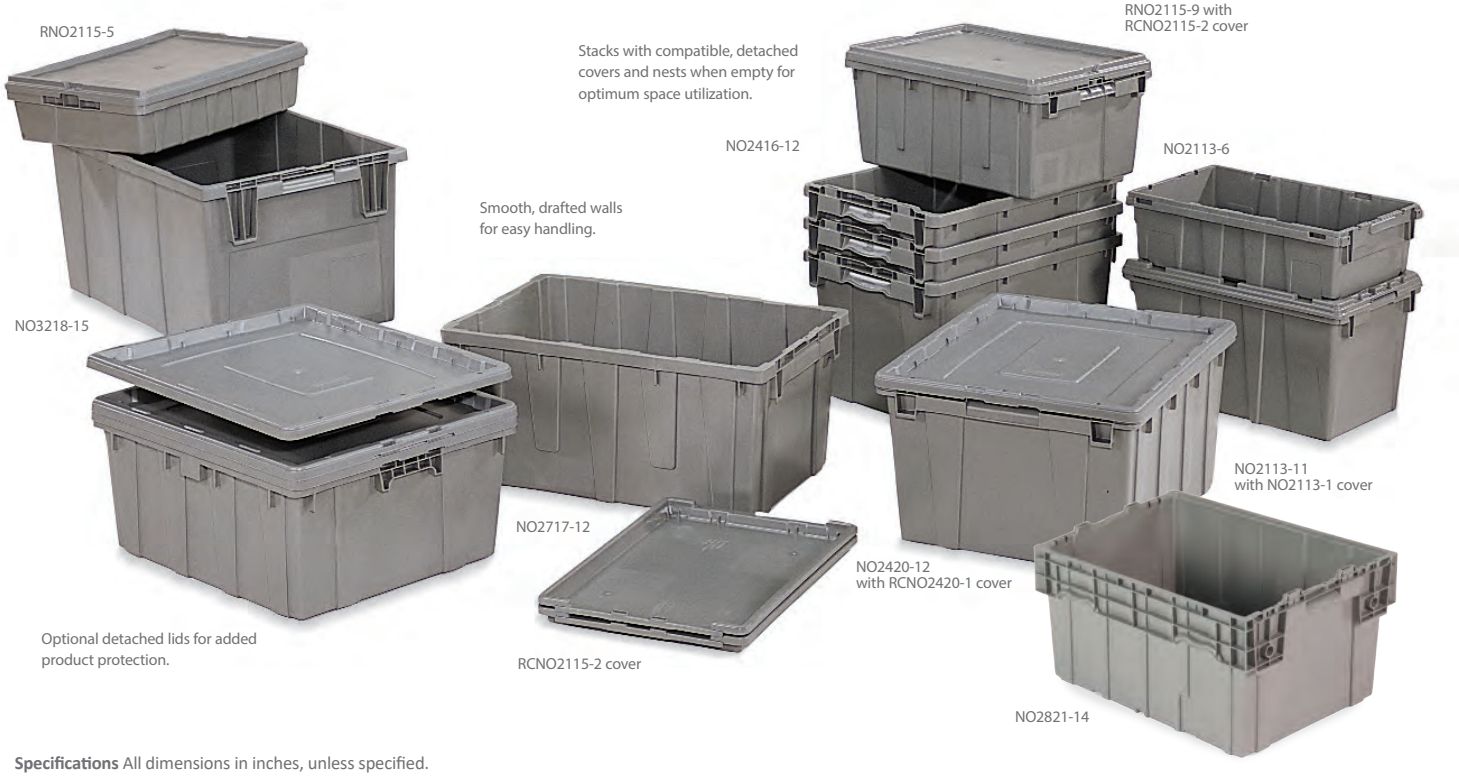
NEST-ONLY CONTAINERS

Apparel | Periodicals | Hardware | Health and Beauty | Pharmaceutical | Soft Goods

Nest-Only Containers meet the diverse needs of many types of order picking and shipping requirements in modern distribution systems. Durable injection-molded construction, combined with superior design make these containers returnable and reusable, providing excellent return on investment and reduced distribution cost per trip over corrugated boxes. Containers with optional covers are used for wholesale and retail distribution of health and beauty aides, pharmaceuticals, general merchandise, soft goods, hardware and grocery. Multiple identification options and accessories are available.



Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions				Inside Dimesions				Total Container Height	Product Clearance	Weight (lb.)	Volume (cu.ft.)	Nest Ratio	Compatible Cover	Truckload Quantity 53' Trailer
	Top		Bottom		Top		Bottom								
	L	W	L	W	L	W	L	W							
21" x 13" CONTAINERS															
NO2113-6	20.6	13.5	18.2	11.7	19.0	11.9	17.9	11.4	6.0	5.5	2.9	0.70	2.1:1	CNO2113-1	6,860
NO2113-9	20.7	13.6	17.7	11.0	19.0	12.2	17.1	10.8	9.0	8.5	4.1	0.90	4.4:1	CNO2113-1	9,016
NO2113-11	20.6	13.2	17.2	10.7	19.0	11.9	17.0	10.4	11.0	10.4	4.1	1.30	4.4:1	CNO2113-1	6,860
21" x 15" CONTAINERS															
RNO2115-5	21.0	15.1	19.3	13.4	20.1	14.2	18.8	13.2	5.1	4.9	2.3	0.80	3.6:1	RCNO2115-2	10,140
RNO2115-9	21.8	15.2	19.0	13.1	19.8	14.2	18.5	12.9	9.2	9.0	3.8	1.40	4.4:1	RCNO2115-2	5,772
RNO2115-12	21.4	15.3	18.6	12.6	20.2	14.2	18.4	12.4	12.3	12.0	4.6	2.00	4.0:1	CNO2115-1	5,880
RNO2420-10	23.5	19.5	21.0	17.3	22.0	18.3	20.9	16.8	10.0	10.0	5.2	2.20	4.4:1	RCNO2420-1	4,400
OTHER SIZE CONTAINERS															
NO2416-12	23.5	15.7	19.9	13.0	21.5	14.2	19.2	12.4	13.0	12.3	4.8	1.90	4.5:1	N/A	5,148
NO2420-12	23.9	19.6	21.1	17.1	22.2	18.2	20.6	16.5	12.0	11.9	5.3	2.70	5.3:1	RCNO2420-1	4,800
NO2717-12	26.9	17.0	24.3	14.6	25.3	15.5	23.6	13.9	12.0	11.9	5.4	2.40	4.1:1	N/A	3,120
NO2821-14	27.9	20.6	25.8	18.7	26.0	19.0	25.0	18.0	15.2	-	9.2	-	-	N/A	1,632
NO3218-15	32	18.0	28.8	15.9	30.0	16.6	27.8	15.4	14.0	13.8	7.9	3.80	3.0:1	N/A	1,512

Recycle with ORBIS

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AROS - AUTOMATED REUSABLE OPTIMIZED SOLUTIONS

Consumer Packaged Goods | Health and Beauty Care | Pharmaceutical | General Merchandise | Supermarket

Choosing the right container is a critical element in the design of an automated system. ORBIS' AROS products facilitate the efficient transfer, storage and organization of merchandise across industries. AROS products are designed for seamless integration into automated storage systems and offer a variety of unique features optimized for automated systems. These containers are designed with high cubic density to maximize product fit. Identification options include labels and bar codes. All products are fully recyclable at end of life.

ML6545-325
650mm x 450mm x 325mm

- FM compliant
- Market leading internal cube
- Alignment rib
- Drain holes are offset to avoid system misreads
- Optional dividers

ML6040-325
600mm x 400mm x 325mm

- FM compliant
- Smooth walls allow automation to lift totes under the rim
- Drain holes are offset to avoid system misreads
- Optional dividers

MLC6040-30
600mm x 400mm x 300mm

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

ML6040-22
600mm x 400mm x 220mm

- Welded bottom available to minimize deflection
- Open or closed handle available

ML6040-30
600mm x 400mm x 300mm

- Welded and reinforced bottoms available to minimize deflection
- "Rising floor" version available for automated product sweeping

MLN6543-32
650mm x 430mm x 320mm

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

ACCESSORY OPTIONS (Not available for all products)

Dividers
(Eighth, Quarter or Half)

Cups
(Eighth, Quarter or Half)

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AROS Specifications (Upper Dimension: English, Lower Dimensions: Metric)

Model		Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Weight (lb/kg)	Truckload Quantity 53' Trailer
		Top		Bottom		Top		Bottom					
		L	W	L	W	L	W	L	W				
AROS CONTAINERS													
ML6040-22	Welded/Open Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	8.6	7.9*	5.8	1,800
		600	400	600	400	568	373	558	363	218	201	2.6	
	Welded/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	8.6	7.9*	5.8	1,800
		600	400	600	400	568	373	558	363	218	201	2.6	
	Smooth/Open Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	8.6	8.5*	4.3	1,800
		600	400	600	400	568	373	558	363	218	218	1.9	
	Smooth/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	8.6	8.5*	4.3	1,800
		600	400	600	400	568	373	558	363	218	218	1.9	
ML6040-30	Welded/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	11.8	11.0*	7.2	1,200
		600	400	600	400	568	373	558	363	300	281	3.2	
	Reinforced/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	11.8	11.0*	7.2	1,200
		600	400	600	400	568	373	558	363	300	281	3.2	
	Smooth/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	11.8	11.6*	5.5	1,200
		600	400	600	400	568	373	558	363	300	294	2.5	
ML6040-325	Smooth Bottom	23.6	15.7	23.6	15.8	22.4	14.5	22.0	14.2	12.8	12.6*	5.5	1,200
		600	400	600	400	568	368	560	360	325	320	2.5	
	Hybrid Bottom	23.6	15.7	23.6	15.8	22.4	14.5	22.0	14.2	12.8	12.2*	6.3	1,200
		600	400	600	400	560	359	558	363	325	311	2.8	
MLN6543-32		25.5	16.9	23.6	14.9	23.2	15.3	22.1	14.2	12.5	12.4	5.3	2,392
		648.5	428.5	598.5	378.5	589.8	387.9	561.8	360.0	318.5	314.7	2.4	
ML6545-325	Hybrid Bottom	25.6	17.7	25.6	17.7	24.3	16.4	24.2	16.3	12.8	12.2	7.5	928
		650	450	650	450	616	416	615	415	325	311	3.4	
AROS COLLAPSIBLE CONTAINERS													
MLC6040-30	Hybrid Bottom	23.6	15.7	23.6	15.7	22.2	14.4	22.2	14.4	11.7	11.1	7.1	4,800
		600	400	600	400	560	365	563	366	300	281	3.2	
ADDITIONAL CONTAINERS FOR AUTOMATION (HOPPER STYLE)													
NOH2416-12		23.6	15.8	20.8	13.8	21.5	14.5	20.2	13.2	12.6	11.6	4.9	3,120
		600	400	528	351	546	368	513	335	335	294	4.9	
NOH2821-14		27.9	20.6	25.7	18.7	26.0	19.0	24.9	17.9	17.9	12.8	7.7	1,350
		709	523	653	475	660	483	633	455	455	326	196	

* Applies to containers not stacked on each other. When containers are stacked on top of each other, approximately .64" is lost due to nesting.

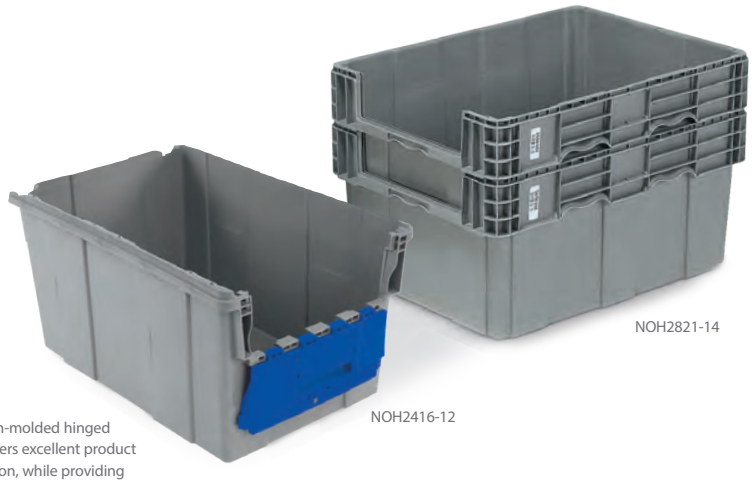
Additional Hopper Bins Ideal for Picking and Fulfillment

These bins offer easy access, combined with high cubic capacity for a wide variety of consumer products.

- Wide access opening
- Contoured surfaces
- Dimensionally consistent

APPLICATIONS

- Pick and pack
- Fulfillment



High cubic capacity

NOH2821-14

NOH2416-12

Injection-molded hinged door offers excellent product protection, while providing easy access.

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STACK-N-NEST CONTAINERS

Order Fulfillment | Consumer Packaged Goods | Work-in-Process Components | Snack Goods | Produce

Stack-N-Nest containers incorporate a 180° stack and nest system. Specific uses include pick and pack, order fulfillment, general manufacturing and distribution, work-in-process handling, food processing and agricultural harvesting.

Recommended pallets include 40 x 48 XpressPal Economy Duty (See p. 65) or 40 x 48 XpressPal Heavy Duty. (See p. 66)

Column stacks of individual sizes are vertically modular, allowing level stack heights and double stacking of pallets.

Containers available with solid or ventilated sides and bottoms for maximum air flow.

STACK-N-NEST CONTAINERS

- Many containers are available with smooth bottom for easy cleaning, or textured bottom for conveyor system use.
- The 6050 Series has a reinforced bottom available for heavy weight loads.
- The 6040 attached lid version has a metal hinge element for long lasting performance.
- ESD protective materials available upon request.
- Recessed and textured identification and label areas are located on the sides, ends and cover of the container. (See pg. 26 for additional identification options)

DGS60100 (dolly)

Compatible dollies available (See pg. 35)

DGS6040 (dolly)

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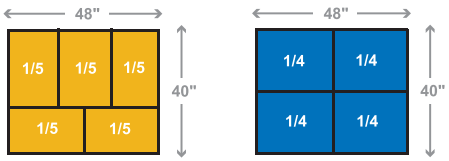
Specifications All dimensions in inches, unless specified.

Model	Outside Top Dimensions		Inside Bottom Dimensions		Total Container Height	Product Clearance		Weight (lb) **	Volume (cu. Ft.)	Nest Ratio	Bottom			Sidewalls		Truckload Quantity 53' Trailer (Skid loaded*)
	L	W	L	W		With Cover	Without Cover				Smooth	Textured	Vented	Solid	Vented	
CONTAINERS																
GS6040-13	23.6	15.8	19.3	13.4	5.3	5.2	4.4	2.7	0.8	3.0:1	Yes	Yes	Yes	Yes	Long	8,400
GS6040-18	23.6	15.8	19.3	13.4	7.1	7.0	6.5	3.4	1.0	3.0:1	Yes	Yes	Yes	Yes	Long	6,150
GS6040-22	23.6	15.8	19.3	13.4	8.5	8.4	7.6	3.9	1.3	3.0:1	Yes	Yes	Yes	Yes	Long	5,100
GS6040-27	23.6	15.8	19.3	13.4	10.7	10.6	9.8	4.3	1.6	3.0:1	-	Yes	-	Yes	-	3,900
GS6040-36	23.6	15.8	19.3	13.4	14.3	13.2	13.0	5.5	2.1	3.0:1	Yes	Yes	Yes	-	Long	2,850
GS6050-18	23.6	19.7	18.2	16.8	7.6	6.8	6.8	4.0	1.2	3.4:1	Yes	Yes	Yes	Yes	Both	4,800
GS6050-27	23.6	19.7	18.2	16.8	11.2	10.2	10.2	5.1	1.8	4.0:1	Yes	Yes	Yes	Yes	Both	2,640
GS6050-36	23.6	19.7	18.2	16.8	14.8	13.9	13.9	6.1	2.5	4.0:1	-	Yes	-	Yes	-	2,160
REINFORCED BOTTOM CONTAINERS																
GS6050-18	23.6	19.7	18.2	16.8	7.6	6.5	6.5	4.8	1.1	3.4:1	-	-	-	Yes	Both	4,800
GS6050-27	23.6	19.7	18.2	16.8	11.2	9.9	9.9	5.7	1.8	4.0:1	-	-	-	-	Both	2,640
GS6050-36	23.6	19.7	18.2	16.8	14.8	13.6	13.6	6.7	2.4	4.0:1	-	-	-	Yes	Both	2,160
ATTACHED LID CONTAINERS																
GA6040-22	23.6	15.8	19.2	13.4	9.2	8.1	-	5.8	1.2	3.0:1	Yes	Yes	Yes	Yes	Long	3,960
GA6040-27	23.6	15.8	19.2	13.4	11.3	10.2	-	6.2	1.5	3.0:1	-	Yes	-	Yes	-	3,120
GA6040-36	23.6	15.8	19.2	13.4	14.9	13.8	-	7.3	2.0	3.0:1	Yes	Yes	Yes	Yes	Long	2,280
COVERS																
CGS6040	24.0	16.1	N/A	N/A	1.3	-	-	1.6	-	1.0:1	-	-	-	-	-	-
CGS6050	24.0	20.0	N/A	N/A	0.9	-	-	1.9	-	1.0:1	-	-	-	-	-	-

* Estimated truckload quantity for skid loaded totes. Please contact ORBIS for truckload quantities when floor loaded.
** Actual weight of container will vary for ventilated versions.



24" x 16" (1/5)
6040 Containers

24" x 20" (1/4)
6050 Containers

Palletize Totes to Create Unit Loads

ORBIS offers a variety of pallet sizes and styles for totes. Make the switch to reusable pallets to eliminate the use of wood pallets and reduce waste. (Please see pp. 43-74 for ORBIS' full pallet line.)

Containers	Nestable, Single Deck Pallets		Top Cap
	40 x 48 XpressPal Economy Duty (Pg. 65)	40 x 48 XpressPal Heavy Duty (Pg. 66)	40 x 48 GMA Top Cap C (Pg. 71)
40 x 48 Stack-N-Nest	24 x 16, 24 x 20	24 x 16, 24 x 20	24 x 16, 24 x 20

Combine Totes with Distribution Carts for Efficient Picking

ORBIS offers a suite of distribution carts to meet a wide variety of picking and fulfillment needs, from the distribution center to the retail aisle. When combined with plastic totes, waste is minimized while supporting many picking functions within standard picking units. Tote and cart systems allow for system scalability since plastic totes support growth by seamlessly transitioning to conveyors. (Please see p. 36 for more information.)

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FLIPAK CONTAINERS

Health and Beauty Care | Food | Pharmaceuticals | Periodicals | Apparel | Automotive Aftermarket | Hardware

The FliPak family of containers offers more than 20 sizes with attached hinged covers that prevent expensive loss of product. These containers stack when closed or nest when open to provide the most efficient use of available space on the manufacturing floor, in the warehouse, inside a truck trailer or in the back room of your retail outlet. Multiple accessories and identification options are available, such as hot stamping, card holders, labels, placards and dollies.

Specifications All dimensions in inches, unless specified.

Model	Hinge Style		Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Container Weight (lb.)	Volume (cu. Ft.)	Bottom Style T = Textured, S = Smooth			Truckload Quantity 53' Trailer (Skid loaded**) P=Plastic Hinge
			Top		Bottom		Top		Bottom						Solid	Drain	Plus Grid	
	Metal	Plastic	L	W	L	W	L	W	L	W								
FP03	X		11.8	9.8	9.3	7	10.1	7.8	8.7	6.4	7.7	6.5	2	0.3	T	T		9,000
FP06	X		15.2	10.9	12.8	7.8	13.8	8.9	12.2	7.3	9.7	8.8	2.9	0.6	T	T	T	6,720
FPD06	X		19.9	11.6	18.3	10.3	18.6	10.8	17.1	10	7.5	6.5	4	0.6	T		T	6,300
FP075	X		19.7	11.8	16.9	9.3	17.7	10.1	16.2	8.6	7.3	6	3.4	0.7	T	T		7,740
FP102		X	20.7	13.6	17.7	11	19	12.2	17.1	10.8	9.7	8.5	4.6	1	S			5,640
FP13 *	X		20.6	13.2	17.7	11	19	11.9	17	10.4	11.6	10.5	5.8	1.4	T			5,460
FP142	X	X	21.8	15.2	19.1	13.5	19.9	14.2	18.5	12.9	9.8	8.7	5.9	1.4	T	T		4,680
FP143 *, ***	X		21.9	15.2	19.1	13.3	21.1	14.4	18.5	12.8	9.3	8.4	5	1.3	T	T	T	5,520
FP151	X		22.3	13.0	19.1	10.9	20.1	11.4	18.9	10.1	12.8	11.75	6	1.6	T	T		4,524
FP171	X		21.8	14.9	18.7	12.9	19.8	14.1	18.2	12.5	12.1	11.2	5.3	1.7	T	T	T	5,280
FP182 ***	X	X	21.8	15.2	18.6	12.9	19.8	14.0	18.1	12.3	12.9	11.8	6.5	1.8	T	T	T	3,600/3,480 (P)
FP183 ***	X	X	21.8	15.5	18.7	12.9	19.8	14.0	18.2	12.4	12.3	11.2	5.7	1.7	T	T	T	5,808/4,488 ****
FP19 *	X		23.5	15.7	19.9	13	21	14.2	19.2	12.4	13	11.7	6.9	1.9	T	T	T	3,960
FP22	X		21.8	15.2	18.6	12.8	19.8	14.0	18.6	12.3	17.1	15.8	6.3	2.2	T			3,360
FP243 ***	X	X	26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.1	11.05	7.8	2.3	T	T	T	4,000/3,520 (P)
FP 244 ***	X	X	26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.6	11.5	7.8	2.3	T	T	T	4,000/3,520 (P)
FP261	X		23.9	19.6	21.1	17.1	22.2	18.2	20.6	16.5	12.6	11.5	7.8	2.7	T	T	T	3,840
FP32 *	X		39.3	14.0	36.7	11.3	37.5	12.5	36	10.5	12	11	10.8	3.3	T	T		2,496
FP38 *	X		32.0	18.0	28.8	15.9	30	16.6	27.3	15.4	14.9	13.8	11.4	3.8	T	T		1,260
FP402 *	X		27.9	20.6	25.8	18.7	26	19.0	25	18	15.6	14	12	4	T	T	T	1,496
FP403	X	X	27.9	20.9	25.8	18.8	26	19.0	25	18	15.2	14	12	4	T	T		1,496
FP60 *	X		30.0	22.0	27.4	19.4	28.7	20.8	26.7	18.7	20.5	18.8	16.5	6.1	T	T	T	960

Please visit www.orbiscorporation.com for FP07, FP08 and FP30 specifications.

* Bi-color containers, different color base and covers, are available. Please contact your ORBIS Sales Representative for additional information.
** Please contact ORBIS for Truckload Quantities when floor loaded.
*** Available with snap feature.
**** Truckload Qty for FP183 with Short Nest Stop is 5,808 and Truckload Qty for FP183 with Tall Nest Stop is 4,488.

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21" X 15" FLIPAKS

Choose from seven FliPaks in the popular 21" x 15" footprint, including the half-size FP06. All totes stack when full and nest when empty, for storage efficiency.

- Used in distribution applications such as health and beauty aids, pharmaceuticals, medical surgical supplies, grocery, periodicals and general merchandise.
- Containers stack five up on a 40" x 48" pallet and six up on a 45" x 48" pallet.
- Totes are designed specifically for automation and easy conveyability.
- The FP171 optimizes outbound trucks with more stacked containers per 53' trailer. Inside product clearance allows more product per container. With shorter nest stop and narrow gull wing span, more empty containers can be stacked in a standard 53' trailer for inbound trips.

Specifications All dimensions in inches, unless specified.

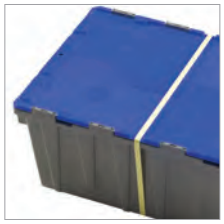
Footprint	Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Container Weight (lb.)
		Top		Bottom		Top		Bottom				
		L	W	L	W	L	W	L	W			
11 x 15 x 9	FP06	15.2	10.9	12.8	7.8	13.8	8.9	12.2	7.3	9.7	8.8	2.9
21 x 15 x 9	FP142	21.8	15.2	19.1	13.5	19.9	14.2	18.5	12.9	9.8	8.7	5.9
	FP143	21.9	15.2	19.1	13.3	21.1	14.4	18.5	12.8	9.3	8.4	5.0
21 x 15 x 12	FP171	21.8	14.9	18.7	12.9	19.8	14.1	18.2	12.5	12.1	11.2	5.3
	FP182	21.8	15.2	18.6	12.9	19.8	14.0	18.1	12.3	12.9	11.8	6.5
	FP183	21.8	15.5	18.7	12.9	19.8	14.0	18.2	12.4	12.3	11.2	5.7
21 x 15 x 17	FP22	21.8	15.2	18.6	12.8	19.8	14.0	18.6	12.3	17.1	15.8	6.3

FLIPAK FEATURES (Not all features available on all containers)

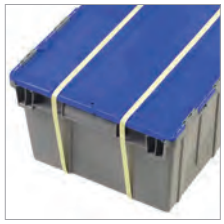
Plastic Hinge (P) available for use in metal-free facilities

Metal Hinge (M) available on most selected containers

Molded-In Reinforced Holes for standard security ties

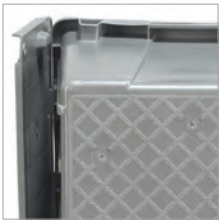


Banding Slot on long side

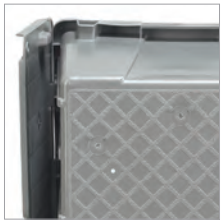


Banding Slots on short side

Snap Feature on lid, keeps lids closed for efficient conveyance (FP143, FP182, FP243, FP244)



Solid Bottom available for a variety of conveyor systems in today's high-speed distribution centers



Drain Hole Bottom available for quick draining

Plus+Grid Vented Bottom for easy cleaning and maximized air flow

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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LARGE VOLUME FLIPAK CONTAINERS

Health and Beauty Care | Food | Pharmaceuticals | Periodicals | Apparel | Automotive Aftermarket | Hardware

This family of FliPak containers are ideal for large volume applications, such as automotive aftermarket, apparel, hardware and general distribution. Choose from 24" x 20" to 39" x 14" container footprints.

Specifications All dimensions in inches, unless specified.

Footprint	Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Volume (cu.ft)	Container Weight (lb.)
		Top		Bottom		Top		Bottom					
		L	W	L	W	L	W	L	W				
24 x 20 x 12	FP261	23.9	19.6	21.1	17.1	22.2	18.2	20.6	16.5	12.6	11.5	2.7	7.8
39 x 14 x 13	FP32	39.3	14.0	36.7	11.3	37.5	12.5	36.0	10.5	12.0	11.0	3.3	1.8
32 x 18 x 15	FP38	32.0	18.0	28.8	15.9	30.0	16.6	27.3	15.4	14.9	13.8	3.8	11.4
28 x 21 x 15	FP402	27.9	20.6	25.8	18.7	26.0	19.0	25	18	15.6	14.0	4.0	12.0
28 x 21 x 15	FP403	27.9	20.9	25.8	18.8	26.0	19.0	25	18	15.2	14.0	4.0	12.0
30 x 22 x 20	FP60	30.0	22.0	27.4	19.4	28.7	20.8	26.7	18.7	20.5	18.8	6.1	16.5

FLIPAKS FOR THE MOVING INDUSTRY

Increase moving efficiency and eliminate waste with durable, reusable plastic FliPak containers. ORBIS attached-lid FliPak containers are ideal for residential and commercial moving applications. Durable totes stack evenly when full for ease of transportation, stability during moving and protection of contents. FliPaks nest when empty to increase space savings.

Ergonomically designed handles for easy carrying.

FP243 on DFP243 Dolly (see pg. 35)

Eliminates packaging waste from corrugated boxes and packing tape.

FP243 on DFP24-402 Dolly

Compatible dollies available for increased mobility. (see pg. 35)

Specifications All dimensions in inches, unless specified.

Footprint	Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Volume (cu.ft)	Container Weight (lb.)
		Top		Bottom		Top		Bottom					
		L	W	L	W	L	W	L	W				
27 x 17 x 12	FP243	26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.1	11.05	2.3	7.8
27 x 17 x 12	FP244	26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.6	11.5	2.3	7.8
28 x 21 x 15	FP403	27.9	20.9	25.8	18.8	26	19	25	18	15.2	12	4	12

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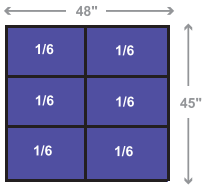
PALLET COMPATIBILITY

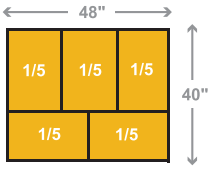
Health and Beauty Care | Food | Pharmaceuticals | Periodicals | Apparel | Automotive Aftermarket | Hardware

ORBIS FliPak containers are compatible with select 40" x 48" and 45" x 54" pallet footprints. Please note that not all containers work on all pallet sizes. Please reference the diagrams below to confirm modularity. The pallets listed in this chart are designed to be compatible with the corresponding containers. Additional products may be compatible, but have not been tested.

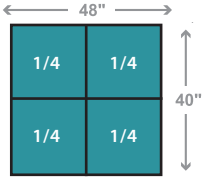
FliPaks on 42 x 30 Small Format Pallet



6 Containers Per Layer
21 X 15



5 Containers Per Layer
21 X 15
24 X 20



4 Containers Per Layer
24 X 20

Compatible Pallets

Containers	40 x 48 XpressPal Economy Duty (Pg. 65)	40 x 48 XpressPal Heavy Duty (Pg. 66)	45 x 54 MI CISS (Pg. 16)
21 x 15 FP and NO	X	X	
24 x 20 FP and NO	X	X	
27 x 17 FP and NO			X

See pp. 43-74 for ORBIS' full pallet line.

IDENTIFICATION OPTIONS

Cardholders

Model	Outside Dimensions (in.) Height	Length
CH10 - Adhesive	4.25	7.75
CH10 - 2 Snap	4.25	7.75
CH12 -1 Snap	4.25	7.50
CH14 - Adhesive	3.50	4.25
CH14 - 2 Snap	3.50	4.25
CH16 - Notched Adhesive	4.50	7.00
CH20 - 2 Snap	2.25	6.50
CH10LS - 2 Snap	4.25	7.75
CH20LS - 2 Snap	2.25	6.50
Clip, 2 Hole - Cardholder	0.50	1.75
Clip, CHSO - Spring	0.75	3.32
Placard	3.00	5.00
Placard	4.50	6.50

Sequential Numbering Hot Stamp is available with each character limited to a 1/2" height and 5 characters per line. The requirements for the area and location for sequential numbering varies for each container.

Hot Stamp identification is also available for FliPaks. The original artwork must be supplied to ORBIS at the time of the order. Size and available location of the hot stamp will vary for each container. Minimum shipment is required.

Snap-On Cardholders are available in 1-snap or 2-snap versions, attach to optional, pre-installed snaps on container, and are ideal for securing shipping and order documents. These easily removable cardholders allow for greater flexibility in product storage and transport. Replacement snaps available (Stud and Eyelet Set). (CH10, CH12, CH14, CH20, CH10LSm CH20LS)

Adhesive Cardholders are clear, envelope-style cardholders with an adhesive backing. They are available in several sizes and are easy to apply to many surfaces. The use of these cardholders increases inventory accuracy by facilitating easy barcode scanning in many types of automated systems. (CH10, CH14, CH16)

Label Placard 4.5 x 6.5

FliPaks accommodate **Label Placards.** Completely removable and replaceable, these label placards accommodate all types of labels. They are available in two sizes.

FliPak Containers also accommodate the smart placard Radio Frequency Identification (RFID) system. This solution stores information for efficient tracking and identification of containers, pallets and other material handling products. The reusable system provides longevity for multiple trips to reduce the cost per tag, while allowing easy removal and replacement of labels.

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BEVERAGE CRATES AND PALLETS

Soft Drinks | Bottled Water | Fruit Juice | Energy Drinks | Bag-In Packages

Injection-molded in high-density polyethylene, ORBIS Beverage Crates are designed for the distribution of beverage bottles from the bottling facility to grocery stores, convenience stores, discount stores, food service/concession outlets, restaurants, vending machines and hospitals. All crates are fully compatible with the most popular crates and pallets in use today.

NPL 407

BEV20C

NPL 410

NPL 412

BEV2LC/NPL416

37 x 37
NPL 350
(pg. 53)

37 x 37
BevPal
(pg. 53)

BEVERAGE CRATES

- Designed for 20oz, .5L, 1L, 1.25L and 2L bottles
- Radius corners for durability, ease of handling and product damage prevention
- Custom colors, hot stamping and molded-in logos available
- Designed for stacking stability
- Interchangeable with industry-standard products
- 37" x 37" pallets for distribution efficiency (see pg. 53)

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Specifications All dimensions in inches, unless specified.

Model	Dimensions		Total Shell Height	Weight (lb.)	Bottle Size	Bottle Quantity	Truckload Quantity 53' Trailer (Bulk)
	L	W					
NPL 407	19.1	9.5	5.3	2.4	2 Liter	8	9,600
BEV 20C	18.5	12.3	4.6	1.7	20 Ounce	24	9,632
BEV2LC/NPL416	18.8	9.4	5.4	1.9	2 Liter	8	9,600
NPL 410	15.2	11.4	5.6	1.9	1 Liter	21	5,928
NPL 412	16.7	11.1	4.5	1.5	390/500 ML	24	9,216

Compatible Pallets	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
37 x 37 NPL 350 (p. 53)	37.0	37.0	6.0	38	30,000	4,000	544
37 x 37 Bev FG (p. 53)	37.0	37.0	6.0	33	33,000	3,800	578

* Please work with your ORBIS Sales Representative to confirm beverage crates fit properly on the selected pallet. Available in truckload and above quantities only.

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DAIRY CASES

Fluid Milk | Fruit Juice | Yogurt | Cheese

ORBIS Dairy Cases are designed for the efficient distribution of fluid milk products and fruit juice from dairy processing facilities to grocery stores, convenience stores and discount stores. Available in the two standard footprints mandated by the dairy industry, these cases offer exceptionally reinforced corners and bottoms. Designed for a long service life, ORBIS cases maintain their shape and performance through stacking, pressure washing and transportation.

NPL004/DY16
on 40 x 40 DY Pallet
(See p. 54)

DA 2412

NPL004/DY16

DAIRY CASES

- Optimal air flow for maintaining temperature
- Reinforced base prevents product damage when stacking
- Reinforced top and corner ribs for stable stacking strength
- Universally compatible with existing cases
- Custom colors, hot stamping and molded in logos available
- FDA-compliant materials available

40 X 40 DAIRY PALLET (p. 54)

This moisture-resistant plastic pallet is easy to clean and won't harbor bacteria or contaminants. Molded-in lip holds cases securely in place during transport. Narrow stringer version also available.

- FDA-compliant materials available
- Fits nine dairy cases per layer
- Multiple lip options available

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Specifications All dimensions in inches, unless specified.

Model	Outside Top Dimensions		Outside Bottom Dimensions		Inside Top Dimensions		Inside Bottom Dimensions		Total Case Height	Weight (lb.)	Product Clearance	Truckload Quantity 53' Trailer (Bulk)
	L	W	L	W	L	W	L	W				
16 QUART CASES												
NPL004/DY16	13.1	13.1	13.1	13.1	12.1	12.1	12.1	12.1	11.0	2.65	10.5	3,360
24 QUART CASE												
DA 2412	19.1	13.1	19.1	13.1	18.1	12.2	18.1	12.1	11.0	4.0	10.7	2,160
PALLET												
40 X 40 DY	40.0	40.0	N/A	N/A	39.1	39.1	N/A	N/A	5.0	39	N/A	660

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AGRICULTURAL CONTAINERS

Leafy Vegetables | Citrus Fruits | Stone Fruits | Vegetables | Organics | Grapes | Berries | Potted and Bedding Plants

Reliable handling, processing, storage, stocking and display is critical in today's modern food distribution systems. ORBIS offers an efficient method to protect and transport your product with high quality, impact resistant, durable and reusable hand-held agricultural containers. Choose from many styles for use in wholesale product distribution, such as field harvest, in-plant handling, staging and processing of fruits and vegetables. Containers are available in FDA-compliant materials. Easily cleaned and sanitized, ORBIS containers are an economical improvement over single-use corrugated cartons and are ideal for moist environments. If FDA-compliant materials are required, please specify when requesting a quote.

AF-1

AF-21

SNX2416-7

AF2416-10 NPL 655

AF2416-13 NPL 665

AF2013-6 NPL 670

AF2416-6 NPL 675

NO2113-3 NPL 681

NO2113-7 NPL 682

AGRICULTURAL CONTAINERS

- Ventilated design for easier cleaning, accurate temperature control and minimized cooling time
- Smooth surfaces for easy cleaning and superior product protection, radius corners prevent product damage
- Containers stack securely with bail or stack-n-nest design and nest for space efficiency when empty
- NO21133/NPL 681 and NO2113-7/NPL 682 designed for potted and bedding plant distribution
- Available in FDA-compliant material

Specifications All dimensions in inches, unless specified

Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Weight (lb.)	Volume (cu.ft.)	Nest Ratio	Truckload Quantity 53' Trailer (Bulk)
	Top		Bottom		Top		Bottom							
	L	W	L	W	L	W	L	W						
AF-I	24.0	20.3	21.4	17.8	22.5	19	20.9	17.5	6.8	5.9	5	1.4	3:1	4,872
AF-21	24.0	20.0	21.3	17.9	22.4	19	20.7	17.3	13.4	12.5	7.5	2.9	3:1	2,016
SNX2416-7	23.9	16.0	22.3	14.5	19.7	15.7	20.2	12.3	7.3	6.2	2.9	1	2.6:1	5,400
AF2416-10 NPL 665	23.6	15.7	21.7	14.0	22	14.2	20.6	13.2	10.2	9.6	5.6	1.6	3:1	3,000
AF2416-13 NPL 665	23.6	15.8	20.4	13.0	22	14.2	20.2	12.7	13.2	12.5	6.5	2.1	3:1	3,000
AF2013-6 NPL 670	19.7	13.1	17.1	11.6	17	11.6	16.6	11.2	5.6	5.0	2.1	0.6	2:1	6,300
AF2416-6 NPL 675	23.7	15.9	21.8	14.2	22	14.4	21.4	13.7	7.5	6.5	3.7	1.2	2:1	3,600
NO2113-3 NPL 681	21.5	13.2	20.4	12.1	20.5	11.8	19.5	11.2	3.1	2.7	2.7	0.3	2:1	6,840
NO2113-7 NPL 682	21.5	13.2	20.4	12.1	20.5	12.2	19.5	11.2	7.1	7.1	2.7	0.9	4:1	6,480

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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CASE-READY MEAT CONTAINERS

Beef | Pork | Chicken | Turkey | Sausage | Patties | Seafood

Case-Ready Meat Containers feature a well-ventilated design for the cost-effective chilling, freezer storage and distribution of meat, seafood and poultry from central processing facilities to grocery retailers. All stack with an easy-swing bail and nest when empty for reduced return transportation costs. Containers fit on the standard 40" x 48" pallet footprint designed for the food industry. All products are available in FDA-compliant materials. If FDA-compliant materials are required, please specify when requesting a quote.

CASE-READY MEAT CONTAINERS

- Open handles for secure lifting and handling
- Smooth surfaces for cleaning and sanitizing
- Withstands temperatures from -40° to 160° F
- Designed for use with NPL 352 pallet (See p. 67)
- Bar code and RFID specific locations
- Controlled container tare weight, within +/- 1/2%
- Raised label areas

The **3-Position Plated Bail** can be positioned for varying product layer heights, so retailers can commonize on one container for all outbound shipments. Available on CR2420-9 3-H/NPL 677 and CR2416-10 3-H/NPL 678 to allow maximum shipping flexibility.

AF-1

AF-21

CR2420-9 3-H
NPL 677

CR2416-10 3-H
NPL 678

ORBIS PLASTIC PALLET DESIGNED FOR CASE-READY MEAT CONTAINERS

- Fits four 24" x 20" or five 24" x 16" containers
- Reinforced 9-leg design
- Full perimeter lip
- Deck and leg drain holes facilitate cleaning

(See the NPL352 on p. 67)

CR2420-7 2-H
NPL 685-05

Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Weight (lb.)*	Volume (cu.ft.)	Nest Ratio	Pallet Quantity	Truckload Quantity 53' Trailer
	Top		Bottom		Top		Bottom								
	L	W	L	W	L	W	L	W							
AF-1	24.0	20.3	21.4	17.8	22.5	19	20.9	17.5	6.8	5.9	5	1.4	3.:1	172	5,160
AF-21	24.0	20.0	21.3	17.9	22.4	19	20.7	17.3	13.4	12.5	7.5	2.9	3.:1	76	2,280
CR2420-9 3-H NPL 677	23.6	19.7	21.2	17.9	22.4	18.5	21.5	17.6	8.6	5.0 / 6.3 / 7.6	5	1.3	4.:1	140	4,900
CR2416-10 3-H NPL 678	23.6	15.8	20.9	13.7	22.4	14.5	21.3	13.5	9.8	6.4 / 7.6 / 8.8	4.6	1.2	4.:1	170	5,780
CR2420-7 2-H NPL 685-05	23.6	19.7	21.6	18.2	22.4	18.5	21.2	17.9	6.9	5.9 / 4.5	5.2	1.2	3.:1	156	4,680
CR2420-7 3-H NPL686	24.0	20.0	21.5	17.6	22.3	18.5	21.3	17.5	7.2	2.0 / 4.5 / 6.0	4.8	1.2	3.:1	156	4,800

* Weight includes bail, if applicable.

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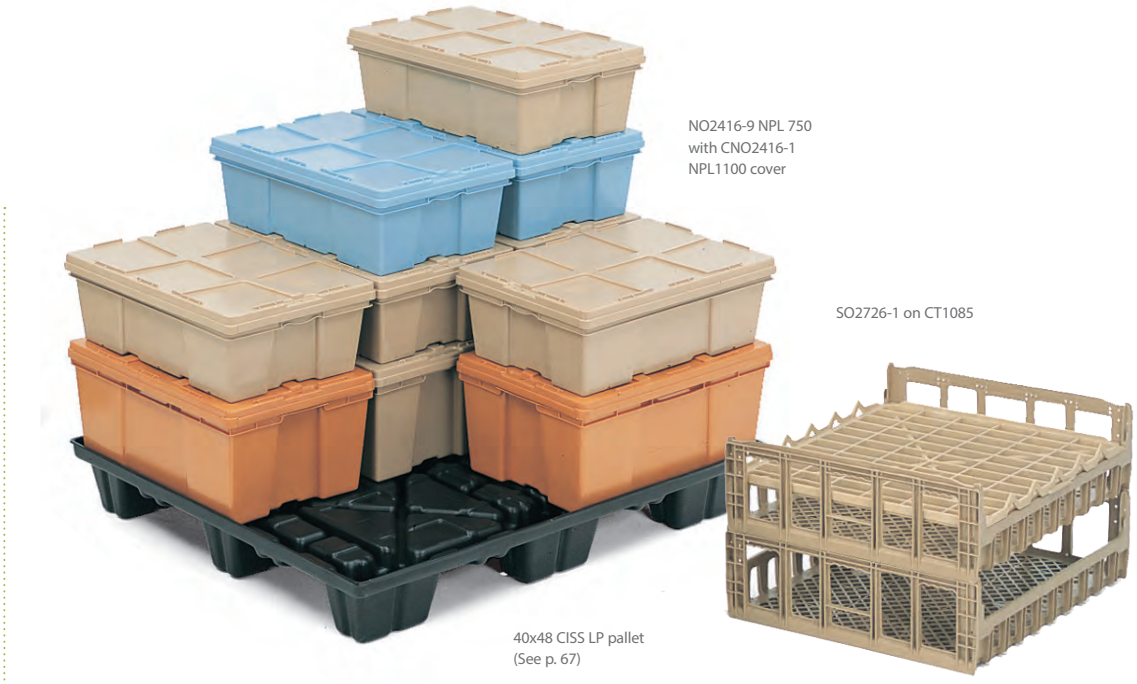
POULTRY CONTAINERS

Chicken | Red Meat | Seafood | Turkey

Distribution Containers and Chill Trays are used in many types of fresh food handling and processing applications. These durable, injection-molded reusable containers provide a long service life for poultry, meat and seafood from the processing plant to distribution and retail display. Distribution Containers are available in three standard heights, with optional snap-tight covers. Optional drain holes are available for moisture control.

Distribution Containers (NO/NOX/NPL) are compatible with standard 40 x 48 CISS LP Pallet (See p. 67) and 40 x 48 NPL 352 (p. 67). Multiple identification options and accessories available. Chill Trays are available in standard 26" x 29" footprint. All products are available in FDA-compliant materials. If these materials are required, please specify when requesting a quote.



NO2416-9 NPL 750
with CNO2416-1
NPL1100 cover

SO2726-1 on CT1085

40x48 CISS LP pallet
(See p. 67)

POULTRY CONTAINERS

- Stacks with cover and nestable when empty for space efficiency
- Fully ventilated design speeds cooling
- Smooth interior for easy cleaning
- Withstands temperatures from -20° to 120° F
- Deep pocket handles for use with gloves
- Snap tight covers available for secure storage/ transport and product protection
- Reinforced covers and ribs add strength and ensure long life

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Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Weight (lb.)	Volume (cu.ft.)	Nest Ratio	Compatible Cover	Pallet Quantity	Truckload Quantity 53' Trailer
	Top		Bottom		Top		Bottom									
	L	W	L	W	L	W	L	W								
CONTAINERS																
NOX2416-8	24.0	16.0	22	14	21.7	15.2	20.3	12.7	8.0	7	4.2	1.5	4.0:1	CNOX2416-3	175	4,900
NO2416-11	24.0	16.0	22.2	14.2	23.5	15.3	20.1	13.1	10.7	10.7	4.6	1.9	4.9:1	CNO2416-1	150	4,500*
NO2416-11 H NPL 748	24.0	16.0	22	14.2	23.7	15.2	20.1	13.1	10.5	10.5	5.5	1.9	4.8:1	NPL1101	180	5,040
NO2416-8 NPL 749	24.0	16.0	21.6	12.6	23.7	15.2	20	13.1	7.7	7.7	4.2	1.3	4.0:1	NPL1101	210	5,600
NO2416-9 NPL 750	24.0	16.0	22	14.2	23.7	15.2	20.1	13.1	8.5	8.5	3.8	1.5	4.0:1	NPL1100	220	6,660
COVERS																
CNOX2416-3	24.0	16.0	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	2.2	N/A	N/A	N/A	N/A	N/A
CNO2416-1	24.3	16.3	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	2.2	N/A	N/A	N/A	N/A	N/A
CNO2416-1 C NPL 1100**	24.5	16.7	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	2.2	N/A	N/A	N/A	440	N/A
CNO2416-1 NPL 1101	24.25	16.25	N/A	N/A	N/A	N/A	N/A	N/A	1.7	N/A	2.3	N/A	N/A	N/A	500	N/A
CHILL TRAYS																
CT1085	29.2	26.2	29.1	25.9	28.3	24.9	27.5	24.6	9.3	7.8	7.7	N/A	2.0:1	N/A	N/A	1,386
SO2726-1	27.6	26.0	27.6	26.0	N/A	N/A	27.2	25.4	2.3	N/A	4.3	N/A	2.0:1	N/A	N/A	N/A

* Estimated truckload quantity, please contact ORBIS for specific information.

** Compatible with NO2416-9 NPL 750 only.

NOX2416-8

NO2416-8 NPL 749

NO2416-11

NO2416-11H NPL 748

CNOX2416-3

CNO2416-1 NPL1101

CNO2416-1

40 x 48 CISS PALLET DESIGNED FOR POULTRY CONTAINERS

- Fits five 24" x 16" containers
- Reinforced 9-leg design
- Full perimeter lip
- Deck and leg drain holes facilitate cleaning

(See the 40 x 48 CISS on p. 67)

Recycle with ORBIS

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BAKERY SYSTEMS

Fresh Bread Loaves | Snack Goods | Cakes & Pastry Goods | Packaged Cookies and Pastries | Frozen Bakery Goods

These bakery trays are based on common footprints, including 26" x 22", 27" x 22" and 29" x 26". These reusable systems are designed for the efficient flow of bread and baked goods throughout the supply chain, from the bakery to grocery stores, mass merchandisers, restaurants and convenience stores. When full, baskets stack securely for easy transport and merchandising. When empty, they cross-stack and nest for back room and truck space savings. Combine with pallets and dollies for a full system to quickly move, store, ship and merchandise all types of bakery items, from bakery to retail. ORBIS also offers a variety of specialty size trays for bakeries, from 16" x 16" to 32" x 26" and Bakery Rack Trays. Please vist www.orbiscorporation.com for additional tray sizes.

26 x 22 Common
NPL 620
(Bun basket)

26 x 22 Common
NPL 630
(Double bun basket)

26 x 22 Common
NPL 640
(Bread basket)

26 x 22 Common
BB255W

26 x 22 Common
BT2622-37
(Double bun basket)

26 x 22 Common
BT2622-50
(Bread basket)

27 x 22 Common
NPL 650

27 x 22 Common
BT2722-37

27 x 22 Common
NPL 649

29 x 26 Common
NPL 660B

16.6 x 16.6
BA 1071

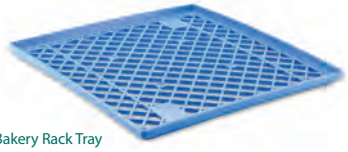
23.4 x 20.6
NPL 636

23.8 x 19.8
BB 207

29.6 x 22.5
BT2922-6

30.4 x 22.4
NPL 661

25.0 x 22.8
NPL 634



Bakery Rack Tray
BP 304

Bakery Rack Tray
BP 308

Bakery Rack Tray
NPL 690-02

Bakery Rack Tray
BP 316

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Basket Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Inside Dimensions		Height	Product Clearance	Weight (lb.)	Blade Entry	Available Sidewall Configurations			Nest Ratio	Dollies	Truckload Quantity 53' Trailer
	L	W	L	W					No Sidepost: No molded-in posts	Sidepost: Molded-in posts to hold product in place	Merchandising: Dropped wall for easy product access			
26 X 22 SINGLE LAYER BUN BASKETS														
BB255-W	25.5	22	23.8	21.0	5.9	4.3	4.3	2 way	N/A	Available	N/A	2.1:1	NPL 700	3,696
NPL 620B	25.8	21.6	24.8	20.8	3.5	2.7	2.8	2 & 4 way	N/A	Available	N/A	2.:1	NPL 700	6,192
NPL 625	25.9	21.6	24.8	20.8	3	2.3	2.9	2 way	N/A	Available	N/A	2.:1	NPL 700	7,392
26 X 22 DOUBLE LAYER BUN BASKETS														
NPL 630B	25.8	21.6	24.8	20.8	4.1	3.6	3.0	2 & 4 way	N/A	Available	N/A	2.:1	NPL 700	4,368
BT2622-37	26.0	21.8	24.9	20.8	4.8	3.8	3.4	4 way	Available	Available	Available	2.:1	NPL 700	4,368
26 X 22 BREAD BASKETS														
NPL 640	25.8	21.8	24.5	20.8	5.9	5.0	3.9	2 & 4 way	Available	N/A	Available	2.:1	NPL 700	3,168
BT2622-50	26.0	21.8	24.9	20.8	6.0	5.0	3.7	4 way	Available	Available	Available	2.:1	NPL 700	3,168
27 X 22 BREAD BASKETS														
NPL 650	26.6	22.1	25.3	21.3	6	5.1	4.1	2 & 4 way	Available	N/A	Available	2.:1	NPL 701	3,082
BT2722-50	26.7	22.3	25.3	21.1	6	5	4	2 way	Available	Available	Available	2.:1	NPL 701	2,700
27 X 22 DOUBLE LAYER BUN BASKETS														
NPL 649	26.5	22	25.4	21.0	5	4	3.9	2 way	Available	N/A	N/A	2.:1	NPL 701	3,726
BT2722-37	26.7	22.3	25.5	21.1	5	3.8	3.6	4 way	Available	Available	Available	2.:1	NPL 701	3,680
29 X 26 BREAD BASKETS														
NPL 660B	29.0	25.7	27.6	24.5	6.1	5.1	5	2 way	Available	N/A	Available	2.:1	NPL 705	2,520
OTHER BREAD BASKETS														
BA 1071	16.6	16.6	15.9	15.9	4.4	3.6	1.7	2 way	Available	N/A	Available	2.:1	N/A	Call ORBIS
NPL 636	23.4	20.6	22	19.5	5.2	4.4	3.8	N/A	N/A	Available	N/A	2.:1	N/A	4,160
BB 207	23.8	19.8	22.6	18.5	6	5.1	3.6	2 way	N/A	N/A	N/A	2.:1	N/A	3,744
BT 2922-6	29.6	22.5	26.4	21.6	6.1	5.1	5.8	4 way	Available	N/A	N/A	3.:1	N/A	3,360
NPL 661	30.4	22.4	29	21.4	6	5.2	5.3	2 way	Available	N/A	Available	2.:1	N/A	2,220
OTHER BUN BASKETS														
NPL 634	25.0	22.8	23.9	19.9	4.3	3.5	2.8	2 way	Available	N/A	N/A	2.:1	NPL 700	5,000
RACK TRAYS														
BP 302	28.6	21.3	27.6	20.3	1.3	N/A	3.0	N/A	N/A	N/A	N/A	N/A	N/A	10,240
BP 304	23.6	22.1	22.3	21.3	1.3	N/A	2.5	N/A	N/A	N/A	N/A	N/A	N/A	12,480
BP 308	28.4	24.5	3.7	23.8	1.5	N/A	3.7	N/A	N/A	N/A	N/A	N/A	N/A	8,000
BP 314	25.5	22.5	24.5	21.5	1.3	N/A	3.0	N/A	N/A	N/A	N/A	N/A	N/A	11,200
BP 316	26.0	22.0	25.0	21.0	1.3	N/A	3.0	N/A	N/A	N/A	N/A	N/A	N/A	11,520
NPL 690-02	27.5	21.8	26.5	20.8	1.3	N/A	2.6	N/A	N/A	N/A	N/A	N/A	N/A	9,064
NPL693	23.4	22.3	22.5	21.4	1.3	N/A	2.7	N/A	N/A	N/A	N/A	N/A	N/A	11,200

BAKERY DOLLIES AND PALLETS

Pair your bakery trays with ORBIS **Bakery Dollies**, available in standard footprints to meet your distribution and merchandising needs. Dollies are precisely molded to fit standard bakery trays. ORBIS dollies feature high-quality, non-marking casters, ideal for retail environments. Dollies can be stacked for efficient storage or transport. ORBIS' plastic reusable **44 x 52 Bread Pallet** is steel reinforced and fits four 26" x 22" baskets per layer. It features easy interface with automation, is cleanable and 100% recyclable at end of life. It tolerates temperatures from -10°F to 150°F.

44 x 52
Bread Pallet
(See p. 54)

NPL 700
Dolly for 26 x 22
Bakery Trays

NPL 701
Dolly for 27 x 22
Bakery Trays

NPL 705
Dolly for 29 x 26
Bakery Trays

Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Inside Dimensions		Height	Product Clearance	Weight (lb.)	Caster Size	Caster Configuration	Wheel Material	Compatible Trays	Truckload Quantity 53' Trailer
	L	W	L	W								
NPL 700	26.8	22.5	26.5	22.3	5.8	4.6	10.3	3 x 1.3	4 Swivel	PP	NPL 640, BT2622-50, BB225-W, NPL 620B, BT2622-27, NPL 630B, BT2622-37	2,024
NPL 701	27.8	22.8	27.4	22.5	5.8	4.6	10.3	3 x 1.3	4 Swivel	PP	NPL 649, NPL 650, BT2722-27/-37/ -50	2,024
NPL 705	29.5	26.4	29.3	26.1	5.6	4.6	11.3	3 x 1.3	4 Swivel	PP	NPL 660B	1,564

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MOBILE SOLUTIONS: DOLLIES

Industrial | Pharmaceutical | Healthcare | Retail Display | Electronics | Food Processing | Medical Device

Combine popular totes with ORBIS plastic dollies for added efficiency. ORBIS offers dollies in a variety of footprints to meet a wide range of material handling needs.

GS Totes on DGS6040

DGS60100

FP243 on DFP243 Dolly

PLASTIC DOLLIES

- Rotationally molded designs
- Grey plastic dollies that feature smooth, contoured corners for maximum tote stability

HIGH QUALITY CASTERS

- 3" and 4" casters available
- Typical configurations: 2 rigid / 2 swivel or all 4 swivel
- Wheel brake kit available as a custom option
- Weight capacity of dolly using 3" casters: 210 lbs per caster
- Weight capacity of dolly using 4" casters: 255 lbs per caster

Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Inside Dimensions		Height	Product Clearance	Weight (lb.)	Caster Size	Caster Configuration Qty / Type	Wheel Material	Truckload Quantity 53' Trailer
	L	W	L	W							
DFP24-402	28.6	21.2	24.6	14.9	11.0	6.0	17.8	4 x 1.3	4 Swivel	Thermoplastic Rubber	840
DFP243	26.9	16.9	24.4	14.6	10.5	5.8	12.8	4 x 1.3	4 Swivel	Thermoplastic Rubber	780
DGS6040	23.6	15.7	21.8	13.9	7.4	6.0	13.7	4 x 1.3	2 Swivel / 2 Rigid	Hard Rubber	1,500
DGS6050	23.6	19.7	21.3	17.3	7.4	6.0	14.0	4 x 1.3	2 Swivel / 2 Rigid	Hard Rubber	1,500
DGS60100	39.4	23.6	37.0	21.3	8.2	6.9	23.2	4 x 1.3	3 Swivel / 2 Rigid	Hard Rubber	600

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Compatibility

Dolly Model	Compatible Handheld Containers
DFP24-402	FP242, FP243, FP402, FP403 (FliPak)
DFP243	FP242, FP243 (FliPak)
DGS6040	GS / GA6040 (Stack-N-Nest)
DGS6050	GS / GA6050 (Stack-N-Nest), FP261 (FliPak)
DGS60100	GS / GA6050 (Stack-N-Nest), FP261 (FliPak)

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MOBILE SOLUTIONS: DISTRIBUTION CARTS

Industrial | Pharmaceutical | Healthcare | Retail Display | Electronics | Food Processing | Medical Device

ORBIS offers a full suite of distribution carts to meet a wide variety of picking and fulfillment needs, from the distribution center to the retail aisle. Pick-to-cart is a common method used as retailers seek to grow their e-commerce fulfillment, optimize small-format store deliveries and fulfill online pick-up orders.

When combined with plastic totes, waste is minimized, while supporting many picking functions within standard picking units. Tote and cart systems allow for system scalability since plastic totes support growth by seamlessly transitioning to conveyors. This enables companies to gain the advantages of reusable packaging as this segment expands and companies develop full automation to manage inventory.

ONE-SIDED CART - 600 X 400

- Holds 600 x 400 totes in a 24" x 16" footprint
- One-sided access
- Angled shelves provide increased ergonomics with easier access to product
- Ideal for in-DC picking and fulfillment of e-commerce merchandise

TWO-SIDED CART - 600 X 400

- Holds 600 x 400 totes in a 24" x 16" footprint
- Two-sided access
- Ideal for in-store picking of items for e-commerce orders and consumer pick-up
- Narrow profile takes up less space in aisle

Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)	Caster Size	Caster Configuration Qty / Type	Wheel Material	Compatible Hand Held Containers
	L	W							
One-Sided Standard Cart - 600 x 400	50.5	16.0	59.0	119.0	500.0	4 x 1.3 / 8 x 2	4 Swivel / 2 Rigid Center	Thermoplastic Rubber	600 x 400 and 24 x 16 containers
Two-Sided Standard Cart - 600 x 400	42.5	25.0	47.0	90.0	500.0	5 x 1.3	2 Swivel / 2 Rigid		600 x 400 and 24 x 16 containers
Two-Sided Standard Cart with Brake - 600 x 400	50.5	19.5	59	122.0	500.0	5 x 1.3	4 Swivel / 2 Rigid Center		Holds various totes - designed for heavy products on the bottom shelf

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MOBILE SOLUTIONS: PALLY®

Food | E-Commerce | Retail Distribution | Industrial

The ORBIS PALLY is an integrated pallet system that combines the functionality of a static pallet with mobility, creating an innovative material handling solution for the highly efficient movement of goods.

When activated, or static, the PALLY provides a stable platform that can be stored or safely transported on a standard trailer. When deactivated, the static pallet becomes mobile with the press of the release lever. This inherent mobility provides the option for a forklift free warehouse environment, while eliminating equipment needs and accelerating unload time at retail.

Specifications All dimension in inches, unless specified.

PALLY® is a registered trademark of Loadhog Limited, and is used under license.

Model	Outside Dimensions*		Height	Weight (lb.)	Load Capcity (lb.)**	Caster Size	Caster Configuration Qty / Type	Wheel Material	Truckload Quantity 53' Trailer
	L	W							
80 x 60 Dolly	31.5 800	23.6 600	7.5 190	20.0	600	3 x 1.3	2 Rigid / 1 Swivel / 1 Swivel with Brake	Thermoplastic Rubber	780
80 x 60 PALLY®	31.5 800	23.6 600	7.5 190	30.0	600		2 Rigid / 2 Swivel	Thermoplastic Polyurethane	780
100 x 60 PALLY®	39.4 1,000	23.6 600	7.5 190	34.0	300		2 Rigid / 2 Swivel	Thermoplastic Polyurethane	600

* Inside Dimensions customizable with pop-ups / pop-lips.

** Weight load dependent on wheel material, see ORBIS for higher load capacity options.

Compatibility

Model	Compatible Hand-Held Containers
80 x 60 Dolly	GS / GA 6040 (Stack-N-Nest), CR2416-10 (Case-Ready), MLC6040 (Mini-Load), FP182, FP171, FP143 (FliPak)
80 x 60 PALLY®	GS / GA 6040 (Stack-N-Nest), CR2416-10 (Case-Ready), MLC6040 (Mini-Load), FP182, FP171, FP143 (FliPak)
100 x 60 PALLY®	GS / GA 6050 (Stack-N-Nest), CR2420-9 (Case-Ready), FP261, FP151 (FliPak)

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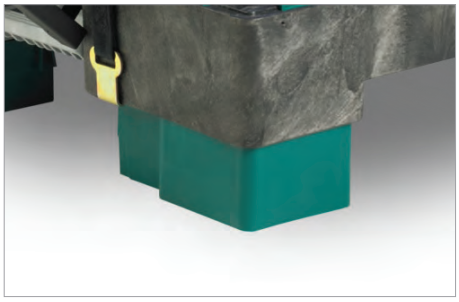
Meet the PALLY. More than a pallet. More than a dolly. Streamline your fulfillment, distribution and merchandising efforts faster, easier and with greater versatility. Convert the ORBIS PALLY from mobile to static for end-to-end supply chain versatility with one-touch merchandising. The ORBIS PALLY allows for the movement of goods from the truck to the point of sale for greater efficiency due to its user-friendly design.

DOLLY AND PALLY ACCESSORIES

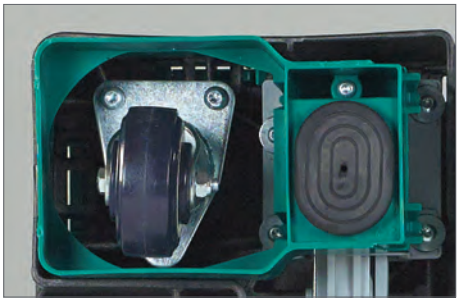
- **Lid with retractable straps:** Secure loads without stretch wrap or banding. Compatible with 80x60 Dolly and Pally.
- **Handle**: Securely locks into position to allow for pushing and pulling. Available in 30" or 38" length.
- **Pop-ups**: Spring-loaded, repairable lip that enables mixed load use with corrugate or plastic tote containment.
- **Pop-lip:** Rigid lip for versatile plastic tote containment.

Increase storage efficiency by nesting on top of each other.



PALLY with wheel covers down

PALLY with wheel covers up



Rubber braking stabilizers

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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MOBILE SOLUTIONS: XPRESSBULK MERCHANDISING

Grocery | Dairy | Bottled Water | Beverage

Minimize stocking costs and free up back room space, while improving the shopper experience. The XpressBulk system is a fully reusable, single touch, retail-ready merchandising solution designed for retail deliveries. Once at retail, this delivery system is designed for quick unloading, reducing reliance on retail staff to unload. It allows retail associates to wheel it off trucks and right into aisles or walk-in coolers. In addition, it eliminates off-loading and the need for bulky material handling equipment in a retail setting.

Narrow 24.9" width easily fits through narrow back rooms and standard display walk-in coolers.

Trays are customized for a wide variety of high velocity grocery items like fluid milk and bottled water.

Two-way fork lift and hand truck compatibility (21" fork tunnel).

Removable handle for increased storage room.

Total lock caster brake – Added security for transit and display with color coded foot pedal.

Dolly Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Inside Dimensions*		Height	Weight (lb.)	Bottle Compatibility	Load Capacity (lbs)	Caster Size	Caster Configuration	Wheel Material	Truckload Quantity 53' Trailer
	L	W	L	W								
XpressBulk Milk Dolly	32.1	24.9	30.4	24.5	7.5	29.8	Dura-Lite	1,000	4 x 2	2 Rigid, 1 Swivel, 1 Swivel w/Brake	Phenolic	750
						29.4	Mid-America 8396					

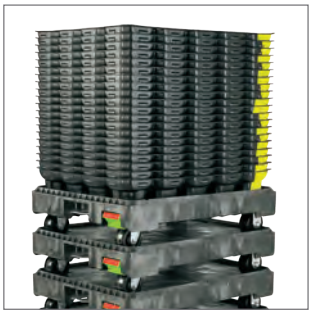
* Perimeter lip has radius that affects usable ID: DL - Radius 1.125, MA - Radius .500

Tray Specifications All dimension in inches, unless specified.

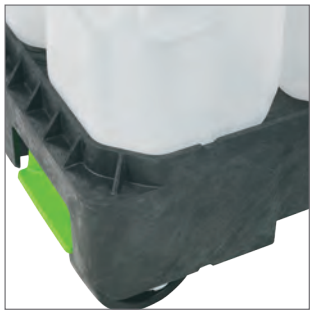
Model	Outside Dimensions		Height	Weight (lb.)	Nest Ratio	Bottle Configuration	Bottle Capacity (1-Gallon)	Color Stripe Indicator	Truckload Quantity 53' Trailer
	L	W							
4 x 5 XpressBulk Tray	31.4	24.9	3.4	4.2	3.1:1	Dura-Lite	20	Green	5,400
	30.8	24.9	3.6	5.0	3.3:1	Mid-America 8396		Yellow	
4 x 6 XpressBulk Tray	37.3	24.5	3.1	5.0	2.8:1	Dura-Lite	24	Blue	4,200
	36.9	24.5	3.6	4.7	3.2:1	Mid-America 8396		Red	

RETAIL READY PACKAGING

Allows consumers to shop right from the XpressBulk System



Easily stack and store dollies and trays for increased storage efficiency



Secure contoured lip on dolly for each specific bottle

Removable trays are designed to optimize bottle strength

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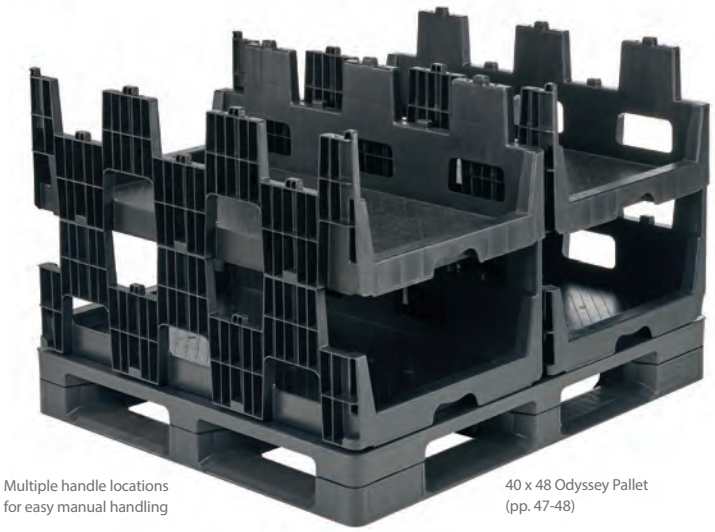
MOBILE SOLUTIONS: XPRESSBULK MERCHANDISING

Grocery | Food | CPG

Simplify distribution and improve labor efficiency with XpressBulk merchandising trays for retail-ready displays. ORBIS' XpressBulk trays are a merchandising ready shelved display and a sustainable, efficient replacement for the manual shelf replenishment process. These trays offer a sustainable replacement for cardboard boxed product, a fast, easy transfer of product from the truck directly to store floor, reduced product touches for improved store labor efficiency and associate safety by eliminating the need for box cutters.

Stacking feature to secure stacked trays in transportation



Multiple handle locations for easy manual handling

40 x 48 Odyssey Pallet (pp. 47-48)

100 x 60 PALLY® (pp. 37-38)

Two stacking height options for product flexibility

Specifications All dimension in inches, unless specified.

Model	Outside Dimensions		Inside Dimensions		Height	Product Clearance	Weight (lb.)	Nest Ratio	Truckload Quantity 53' Trailer
	L	W	L	W					
40 x 24 XpressBulk SN Tray	39.4	23.6	35.8	21.0	13.1	12.2	17.5	1.69:1	480

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

RETAIL READY PACKAGING

Pack merchandise directly into trays. Stack trays on a pallet for easy transportation.

Load onto a truck. Utilize PALLY for fast loading and unloading.

Place loads on retail floor for easy replenishment. Consumers shop directly from trays.

Ideal for all types of high-velocity merchandise

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LEWISBINS+ STORAGE & ORGANIZATION SYSTEMS

Industrial | Pharmaceutical | Health Care | Retail Display | Electronics | Food Processing | Medical Device

Choose from the LEWISBins+ brand of plastic containers and bins to reduce linear workspace, improve assembly operations and reduce product damage. A wide array of products for all types of storage and organizational needs, some manufactured in ESD protective materials, are available through knowledgeable dealers and distributors who are dedicated to finding the best solution for your material handling applications.

DIVIDER BOXES

Add flexibility with dividable containers. Slide-in dividers allow instant container configuration. Multi-purpose stack-only LEWISBins+ Divider Box Containers can be divided into compartments on 1.25" centers with easy-to-add dividers. These dividable containers are ideal for use in commercial, industrial, electronics and healthcare markets for storage, assembly, fabrication and distribution applications.

- Stack-only containers with molded-in channels for easy-to-add dividers
- Available in 3 popular footprints and 7 heights
- Optional covers, dollies and collars available
- Available in ESD-Safe materials

POLYLEWTON STACK-N-NEST CONTAINERS

- Choose from 9 styles
- Maximize warehousing space
- Stack when full, with or without covers, and nest when empty at alternating 180° positions
- Grey, red and blue are manufactured in FDA-compliant material

SHELF BINS

- 21 industry standard sizes
- Rolled rim design and molded-in rib structure
- Fits 12", 18" and 24" shelving
- Available in 4" and 6" heights
- Fully nestable when empty for space savings
- Length and width dividers available
- Available in ESD-Safe materials
- Available colors: Red, Blue, Yellow and Green

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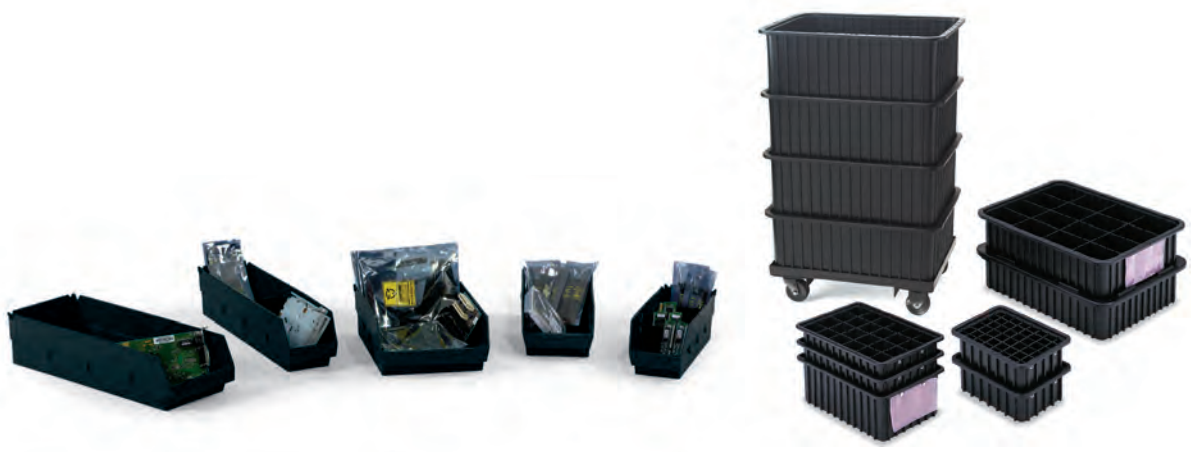
PART BINS

Add efficiency to assembly, work-in-process and picking applications in a wide range of industries. LEWISBins+ Part Bins are designed to bring value and efficiency. These high-performance polypropylene bins are used for secure storage of parts and products in industrial assembly operations, healthcare, stockroom, warehouse, foodservice and hardware merchandising applications.

- Bins hang or stack for versatility in controlling inventories and organizing picking systems
- 12 popular sizes
- Wide stacking ridge
- Available colors: Red, Blue, Yellow, Green, Stone and Clear



ESD-SAFE PRODUCTS

Organize work areas to efficiently store components, assemblies and circuit boards. ESD-Safe Products are ideal for electronics, telecommunications and computers. LEWISBins+ ESD materials conform to ANSI/ESD S20.20 2007 requirements for ESD packaging.

- Efficiently store components, assemblies and circuit boards while protecting them from the damaging effects of electrostatic discharge and static electricity
- Choose from ESD-Safe part bins, divider boxes and shelf bins

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PLASTIC PALLETS

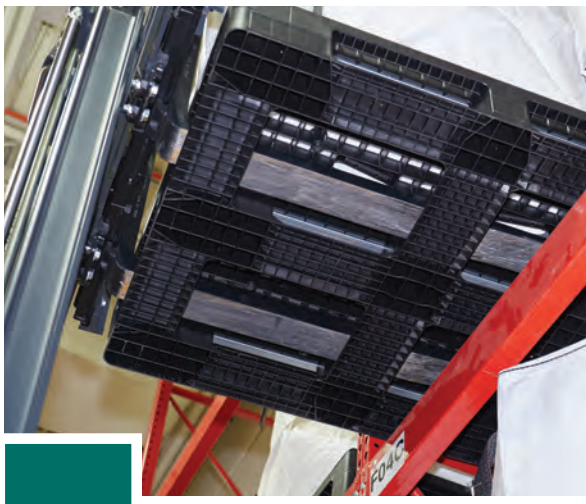
World-class companies in many industries utilize reusable plastic pallets for their work-in-process, storage and distribution applications.

Plastic pallets are compatible with many palletizing systems, material handling equipment and high-speed automation systems. Dimensional consistency, reusability and durability allow for maximum supply chain optimization.

ORBIS plastic pallets protect product during picking, assembly, processing, storage and distribution in a wide variety of industries including food and beverage, primary packaging, retail distribution, automotive, pharmaceutical, and many others.

Plastic pallets are an economic, environmental and efficient alternative to wood pallets or skids. With the most comprehensive selection of styles and footprints, ORBIS is North America's leader in plastic pallets. Rely on ORBIS to understand your business, develop a solution and implement a seamless conversion from wood to plastic pallets.

- Dimensional consistency for repeatable performance
- Industry standard footprints
- Durability and reusability
- Reduce product damage
- Easy to clean
- Ergonomically designed
- Identification: colors and labels
- Asset tracking, barcoding, RFID
- Sustainability



Rackable Pallet Overview **45-46**

40 x 48 Rackable Pallets 47-50

Stackable Pallet Overview **51-52**

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30 x 32 Stackable Pallet 13

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45 x 48 Stackable Pallets 14-16

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48 x 60 Stackable Pallets 61

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Nestable Pallet Overview **63-64**

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FACTORY MUTUAL APPROVED

Pallets indicated in this catalog with the FM logo are approved by Factory Mutual Research Corporation (FM) as meeting fire rating requirements equivalent to wood pallets. ORBIS' FM-approved pallets meet Factory Mutual's standards for commodity classifications of idle plastic pallets and NFPA 13/2000 Requirements.

Recycle with ORBIS

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RACKABLE PALLETS

Agricultural | Food Processing | Beverage

Rackable plastic pallets allow for maximum storage optimization and provide ease of movement of product throughout a supply chain. ORBIS rackable pallets are designed to safely store product in a wide variety of unsupported, edge racking systems to optimize valuable floor space in warehouses and distribution systems. ORBIS offers multiple pallet versions for every racking application up to 3,000 lbs. These pallets are reusable, durable, and cleanable. FDA-compliant, metal detectable, X-ray detectable and FM approved fire retardant materials are available for certain pallets.

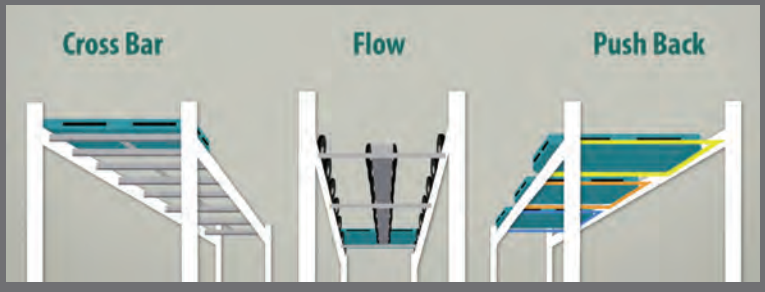
TOP REASONS TO CONSIDER A RACKABLE PALLET:

1. Your pallets are going into an unsupported racking system
2. Dimensional consistency is important to your automation system
3. You want to maximize warehouse floor space
4. Peace of mind knowing product is stored safely
5. You need to easily identify inbound and outbound shipments

COMMON RACKING TYPES

FULL SUPPORT RACKING

Full bottom support prevents pallet deflection. Recommended pallets: Stackable and nestable, with backstops.



PARTIAL SUPPORT RACKING

Partial bottom support reduces pallet deflection. Recommended pallets: Stackable and rackable.

UNSUPPORTED RACKING

Minimal bottom support increases risk of pallet deflection. Recommended pallets: Rackable.

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RACKABLE PALLETS

Pharmaceutical | Consumer Packaged Goods | ASRS

Rackable Pallet Specifications All dimensions in inches, unless specified.

Model	Manufacturing Process	Outside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer	See Page:
		L	W			Static	Dynamic	Selective / Edge	Decking / Center		
40 x 48 ODSY SD OPEN DECK	Injection Molded	48.0	40.0	6.0	42	30,000	4,000	2,200	4,000	540	47-48
40 x 48 ODSY SD CLOSED DECK	Injection Molded	48.0	40.0	6.0	45	30,000	5,000	2,200	4,000	540	47-48
40 x 48 ODSY HD OPEN DECK	Injection Molded	48.0	40.0	6.0	49	30,000	5,000	2,800	6,000	540	47-48
40 x 48 ODSY HD CLOSED DECK	Injection Molded	48.0	40.0	6.0	52	30,000	5,000	2,800	6,000	540	47-48
40 x 48 STCKR MD STR OPEN DECK	Structural Foam	48.0	40.0	5.90	44	30,000	4,000	1,500	4,000	510	49
40 x 48 STCKR MD STR SOLID DECK	Structural Foam	48.0	40.0	5.90	48	30,000	4,000	2,100	4,000	510	49
40 x 48 STCKR HD STR OPEN DECK	Structural Foam	48.0	40.0	5.90	45	30,000	4,000	2,500	4,000	510	49
40 x 48 STCKR HD STR SOLID DECK	Structural Foam	48.0	40.0	5.90	48	30,000	4,000	2,800	4,000	510	49
40 x 48 RCKO MD	Structural Foam	48.0	40.0	6.25	49	30,000	5,000	2,200	5,000	510	50
40 x 48 RCKO HD	Structural Foam	48.0	40.0	6.25	49	30,000	5,000	2,600	5,000	510	50
40 x 48 RII CIISC PC FRM	Structural Channel	48.0	40.0	6.00	59	30,000	6,000	3,000	6,000	510	50
40 x 48 RII CIISC STR	Structural Channel	48.0	40.0	6.00	55	30,000	6,000	3,000	6,000	510	50
40 x 48 RII CIISC RNR	Structural Channel	48.0	40.0	5.25	51	30,000	6,000	3,000	6,000	650	50

RNR = Single feet/no stringer; STR = 3 Stringer; PC FRM - Full picture frame bottom

Add Efficiency with Pallet Options

ORBIS pallets are available with a wide variety of options for the ultimate in warehousing efficiency. Availability varies by model and version. For a full listing of pallet options and accessories, please see page 74.

LOAD TYPES

FLUID LOAD

Weight is not evenly distributed and can shift with movement. Lack of rigid load structure increases pallet stress. Common loads include super sacks.

COLUMN OR UNIFORM LOAD

Weight is evenly distributed across the pallet. Common loads include boxes or pallet stacks.

POINT LOAD

Weight is not evenly distributed and increases pallet stress in specific areas. Common loads include machinery parts or uniquely shaped items.

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40" x 48" Odyssey Pallet Lasts 400+ Trips in the Supply Chain

Cold Chain | Food Processing | Beverage | Pharmaceutical | Consumer Packaged Goods

The 40 x 48 Odyssey pallet is a robust reusable solution for light or heavy duty applications that supports weight loads up to 2,800 pounds with approximately 36 times the life span of a 40 x 48 whitewood stringer pallet. The Virginia Tech Center for Packaging and Unit Load Design found that the Odyssey can complete their FasTrack multi-step handling sequence 400 cycles without failure, whereas the standard wood pallet's average failure was after only 11 cycles. This testing quantifies the life and durability of plastic pallets to help companies understand the long-term cost and environmental savings associated with reusable pallets.

Beyond its durability, the Odyssey also provides unmatched stability with unique design features, including optional steel reinforcements and permanent molded-in frictional elements. This anti-slip pallet feature minimizes load shifting, does not damage cases or product, and prevents pallet slippage off fork equipment. The hygienic design of the Odyssey affords easy cleanability, and the full stringer bottom and dimensional consistency provides seamless conveyance through automated systems. Despite the robust construction of the Odyssey, it is ergonomic and lightweight, with comfortable handholds for easy manual handling. The all-plastic construction makes it easily cleanable and also recyclable at the end of service life.

Source: Virgina Tech Center for Unit Load Design

High strength-to-weight ratio capable of unsupported rack loads of 2,800+ lbs

Long service life - Travels 400+ trips in a typical supply chain

Hygienic design for easy cleanability

Robust and highly resistant to impact from equipment, ideal for rugged applications

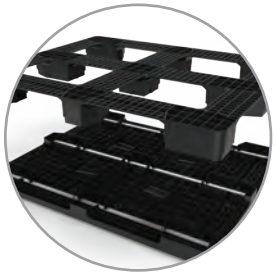
Lightweight design and comfortable hand holds for easy manual handling

Made of recycled content and fully recyclable at end of life

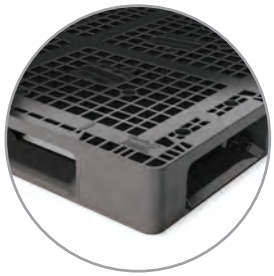
Permanent, molded-in frictional elements minimize load shifting and do not damage product packaging

40 x 48 Odyssey HD Open Deck with PlastiCorr boxes

Minimize load shifting with optional molded-in frictional elements



Optional steel reinforcements offered in the 40", 48" or both directions



Keep plants and equipment clean with hygienic design options

Seamless conveyance with full stringer bottom

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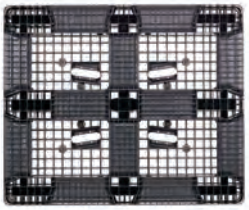
40 x 48 Odyssey Pallet Specifications All dimensions in inches unless specified.

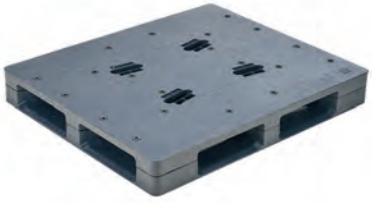
Model	Outside Dimensions		Height*	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer**
	L	W			Static	Dynamic	Selective / Edge	Decking / Center	
40 x 48 ODSY SD OPEN DECK	48.0	40.0	6.0	42	30,000	4,000	2,200	4,000	540
40 x 48 ODSY SD CLOSED DECK	48.0	40.0	6.0	45	30,000	5,000	2,200	4,000	540
40 x 48 ODSY HD OPEN DECK	48.0	40.0	6.0	49	30,000	5,000	2,800	6,000	540
40 x 48 ODSY HD CLOSED DECK	48.0	40.0	6.0	52	30,000	5,000	2,800	6,000	540

* Please add 0.5" to pallet height if using optional discontinuous lip version. Total pallet height with lip is 6.5".
** Truckload quantity for pallet with lip is 510.

40 x 48 Odyssey HD Open Deck

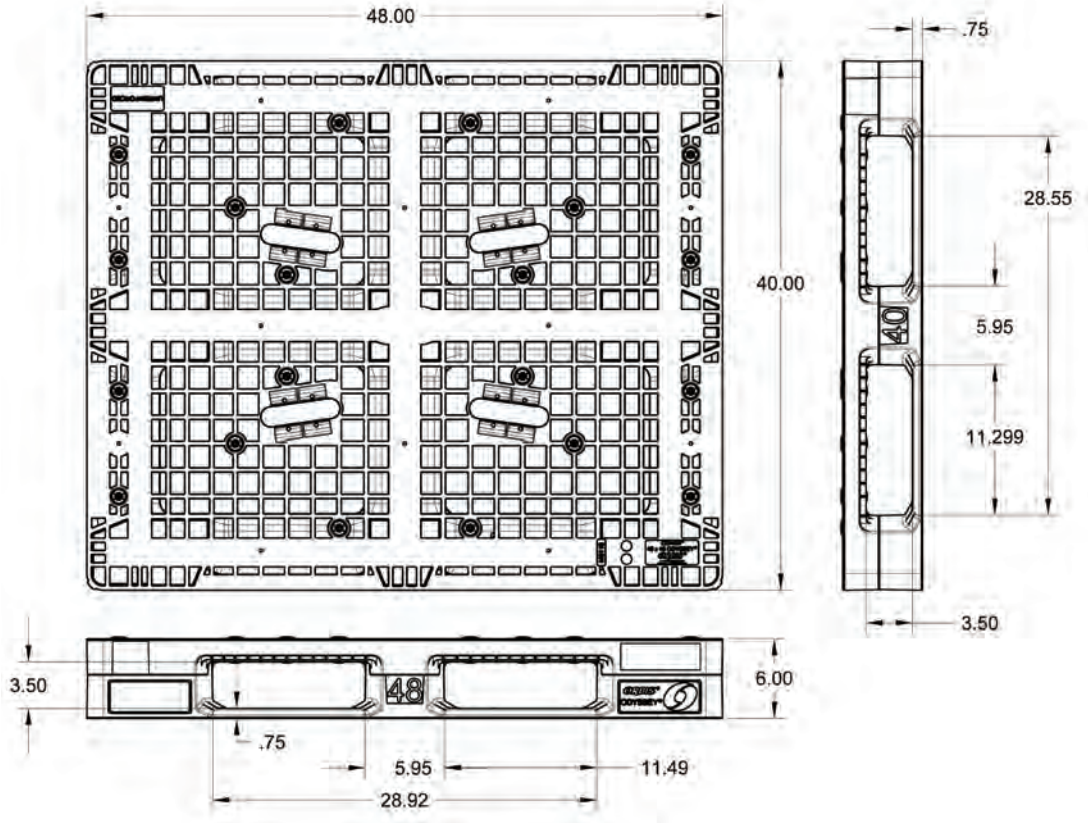


Bottom View:
Odyssey Open Deck



40 x 48 Odyssey HD Closed Deck

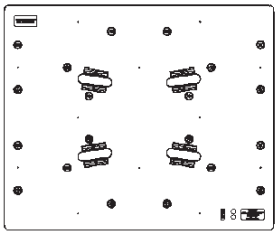
Bottom View:
Odyssey Closed Deck



Featured Options:

- Frictional elements (Qty: 20)
- Molded logos
- Hot stamps
- Track and trace
- Optional 1/2" perimeter lip (Adds 0.5" to pallet height)

Frictional Element Configuration:



Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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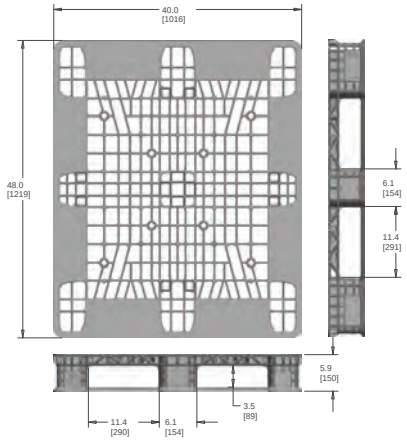
40" x 48" RACKABLE PALLETS

Agricultural | Food Processing | Beverage | Pharmaceutical | Automotive | Consumer Packaged Goods | ASRS

FM APPROVED FACTORY MUTUAL APPROVED

40 x 48 STACK'R MEDIUM DUTY (MD) PALLET

- Available with an open or solid deck
- FDA-compliant material
- Optional fire retardant (open deck version only)
- Manufactured in high-density polyethylene (HDPE)
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Top Cap compatibility (p 71-72): 40 x 48 StakCap
- Options (p 74): Hot stamp, molded-in logo, 1/2" discontinuous lip, 8 grommets



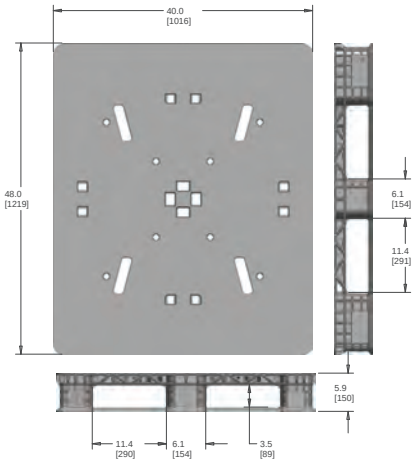
Pictured: 40 x 48 Stack'R Open Deck

Model	Outside Dimensions		Height *	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer
	L	W			Static	Dynamic	Selective / Edge	Decking / Center	
40 x 48 STCKR MD OPEN DECK	48	40	5.9	44	30,000	4,000	1,500	4,000	510
40 x 48 STCKR MD SOLID DECK	48	40	5.9	48	30,000	4,000	2,100	4,000	510
40 x 48 STCKR MD FM OPEN DECK	48	40	5.9	55	30,000	4,000	**	4,000	510

* Please add 0.5" to pallet height if using optional discontinuous lip version. Total pallet height with lip is 6.4".
** Racking capabilities for fire-retardant pallets may differ, please contact your ORBIS Sales Representative for additional information.

40 x 48 STACK'R HEAVY DUTY (HD) PALLET

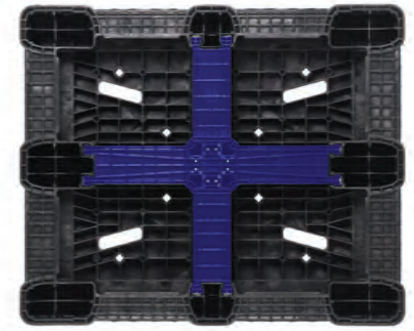
- Available with an open or solid deck
- FDA-compliant material
- Manufactured in polypropylene (PP)
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Top Cap compatibility (p 71-72): 40 x 48 StakCap
- Options (p 74): Hot stamp, molded-in logo, 1/2" discontinuous lip, 8 grommets



Pictured: 40 x 48 Stack'R Solid Deck

Model	Outside Dimensions		Height *	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer
	L	W			Static	Dynamic	Selective / Edge	Decking / Center	
40 x 48 STCKR HD OPEN DECK	48	40	5.9	45	30,000	4,000	2,500	4,000	510
40 x 48 STCKR HD SOLID DECK	48	40	5.9	48	30,000	4,000	2,800	4,000	510

* Please add 0.5" to pallet height if using optional discontinuous lip version. Total pallet height with lip is 6.4".



40 x 48 Stack'R with
Optional Stringer Bottom

Recycle with ORBIS

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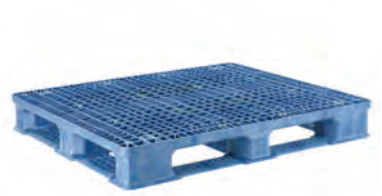
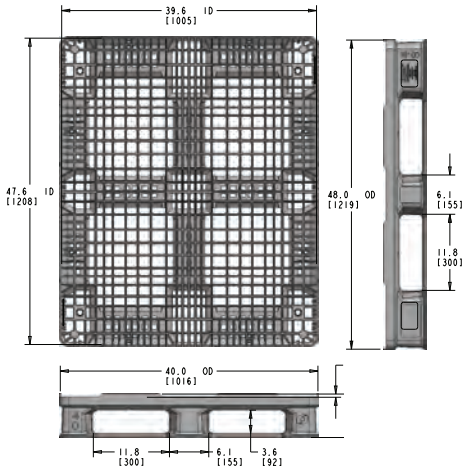


FACTORY MUTUAL APPROVED

40 x 48 RACKOCELL MEDIUM AND HEAVY DUTY (MD AND HD) PALLETS

- One-piece, flow-through design, ideal for washing and drying
- Medium-duty version manufactured in FDA-compliant high-density polyethylene (HDPE); heavy-duty version manufactured in FDA-compliant polypropylene (PP)
- Optional fire retardant, metal or X-ray detectable materials available
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Top Cap compatibility (p 71-72): 1200 x 1000 OPTE TopCap
- Options (p 74): Hot stamp, molded-in logo, 1/2" discontinuous lip, ID plates, 8 fork tine opening grommets, 4 outer post grommets



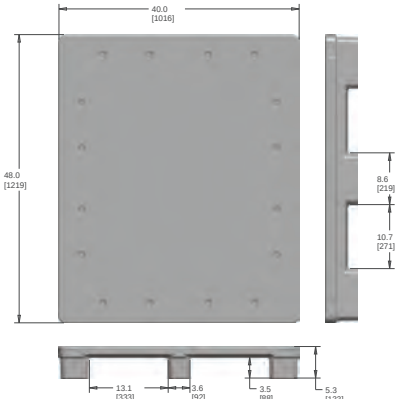
Model	Outside Dimensions		Height*	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer
	L	W			Static	Dynamic	Selective / Edge	Decking / Center	
40 x 48 RCKO MD	48.0	40.0	6.25	49	30,000	5,000	2,200	5,000	510
40 x 48 RCKO HD	48.0	40.0	6.25	49	30,000	5,000	2,600	5,000	510
40 x 48 FM RCKO	48.0	40.0	6.25	64	30,000	5,000	**	5,000	510

* Please add 0.5" to pallet height if using optional discontinuous lip version. Total pallet height with lip is 6.75".

** Racking capabilities for fire-retardant pallets may differ, please contact your ORBIS Sales Representative for additional information.

40 x 48 RACKSTAR II PALLET

- Steel reinforced, hot plate welded design provides maximum strength and durability
- Available in runner, stringer, or picture frame bottom deck varieties
- Recommended for super sack applications
- Fork truck entry: 4-way; Hand truck entry: 2-way
- Options (p 74): 0.38" Lip, textured surface, ID plates, 16 deck grommets, 10 fork tine grommets



Pictured: 40 x 48 RII STR GRM

Model	Outside Dimensions		Height*	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer
	L	W			Static	Dynamic	Selective / Edge	Decking / Center	
40 x 48 RII CIISC PC FRM	48.0	40.0	6.00	59	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC STR	48.0	40.0	6.00	55	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC RNR	48.0	40.0	5.25	51	30,000	6,000	3,000	6,000	650

* Please add 0.38" to pallet height if using optional lip version. Total pallet height, with lip, for PC FRM and STR versions is 6.4" and RNR version is 5.63".

40 x 48 Rackstar II Picture Frame Bottom (PC FRM)

40 x 48 Rackstar II Stringer Bottom (STR)

40 x 48 Rackstar II Runner Bottom (RNR)

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STACKABLE PALLETS

Food Processing & Distribution | Consumer Packaged Goods | Pharmaceutical | Beverage | Retail Display | Industrial

ORBIS stackable pallets are designed for shipping and handling heavy product loads in warehousing, processing and manufacturing environments. With static load capacities up to 30,000 lbs and dynamic load capacities up to 5,000 lbs, these pallets are ideal for stacking, conveying and storing product.

TOP REASONS TO CONSIDER A STACKABLE PALLET:

1. Your typical product loads are heavy and require protection
2. You want to maximize warehouse floor space by way of stacking
3. You want to remove wood pallets and expendables from your supply chain
4. Your pallets are going into a supported racking system
5. You frequently convey pallets on rollers, skate wheels or chain conveyors
6. Dimensional consistency is important to your automation system
7. You need to easily identify inbound and outbound shipments

ORBIS Pallets Interface Seamlessly with Material Handling Equipment

ORBIS pallets are developed to interface with common material handling equipment, from standard fork trucks to automated vehicles. By design, reusable plastic pallets are dimensionally consistent, for repeatable performance with material handling equipment. Please see page 73 for more information.

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Stackable Pallet Specifications All dimensions in inches unless specified.

Model	Manufacturing Process	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer	See Page:
		L	W	L	W			Static	Dynamic		
24 x 24 Modular POP	Structural Foam	24	24	N/A	N/A	5.5	9.5	8,000	1,000	2,496	53
24 x 48 Modular POP	Structural Foam	48	24	N/A	N/A	5.5	19	15,000	2,000	1,176	53
30 x 32 CIISF	Structural Foam	32.25	30.25	30.3	28.7	6.6	29.5	-	2,500	969	13
32 X 38 HD LP	Structural Foam	38.0	32.0	36.2	30.2	6.5	35	20,000	4,000	912	13
37 x 37 NPL 350	Structural Foam	37.0	37.0	N/A	N/A	6.0	38	30,000	4,000	544	53
37 x 37 BEV FG	Structural Foam	37.0	37.0	N/A	N/A	6.0	33	33,000	3,800	578	53
40 x 40 DY	Structural Foam	40.0	40.0	39.1	39.1	5.0	39	30,000	5,000	660	54
40 x 48 BulkPal with 2.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	4.5	44	33,000	3,800	690	55
40 x 48 BulkPal with 2.5" connectors	Structural Foam	48.0	40.0	N/A	N/A	5	46	33,000	3,800	630	55
40 x 48 Grab-A-Block with 3.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	5.5	46	33,000	3,800	570	55
40 x 48 BulkPal with 3.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	5.5	47	33,000	3,800	570	55
40 x 48 BulkPal with 3.7" connectors	Structural Foam	48.0	40.0	N/A	N/A	6.2	49	33,000	3,800	510	55
40 x 48 BulkPal (double deck)	Structural Foam	48.0	40.0	N/A	N/A	4.5	47	33,000	3,800	720	55
40 x 48 HDSC	Structural Foam	48.0	40.0	N/A	N/A	5.1	43	30,000	4,000	600	56
40 x 48 HDSC 3-Drum	Structural Foam	48.0	40.0	N/A	N/A	5.6	43	30,000	4,000	600	56
40 x 48 P3 Pallet	Structural Foam	48.0	40.0	N/A	N/A	5.1	30	30,000	3,000	600	62
40 x 48 P3 Pallet with reinforcement	Structural Foam	48.0	40.0	N/A	N/A	5.1	35	30,000	3,000	600	62
40 x 48 PSB	Structural Channel	48.0	40.0	N/A	N/A	1.5	26	30,000	N/A	1,500	54
40 x 48 RCKO LD	Structural Foam	48.0	40.0	N/A	N/A	6.25	49	30,000	5,000	510	55
40 x 48 STCKR LD OPEN DECK	Structural Foam	48.0	40.0	N/A	N/A	5.9	44	30,000	4,000	510	55
40 x 48 STCKR LD SOLID DECK	Structural Foam	48.0	40.0	N/A	N/A	5.9	48	30,000	4,000	510	55
42 x 48 HDSC	Structural Foam	48.0	42.0	N/A	N/A	5.1	45	30,000	4,000	560	56
44 x 52 TS Bread Pallet	Twin Sheet Thermoformed	51.8	43.3	N/A	N/A	6.6	38	1,750	1,200	416	54
44 x 56 BulkPal with 2.0" connectors	Structural Foam	56.0	44.0	N/A	N/A	4.5	55	33,000	3,800	528	57
44 x 56 BulkPal with 2.5" connectors	Structural Foam	56.0	44.0	N/A	N/A	5.0	55.5	33,000	3,800	525	57
44 x 56 BulkPal with 3.0" connectors	Structural Foam	56.0	44.0	N/A	N/A	5.5	56	33,000	3,800	475	57
44 x 56 DC HI	Structural Foam	56.0	44.0	N/A	N/A	5.1	52	30,000	4,000	440	57
44 x 56 End-Pal	Structural Foam	56.0	44.0	N/A	N/A	5.5	70	33,000	3,800	475	58
44 x 56 HDSC	Structural Foam	56.0	44.0	N/A	N/A	4.4	57	30,000	4,000	528	57
44 x 56 OCP	Structural Foam	56.0	44.0	N/A	N/A	4.5	53	30,000	3,000	528	57
44 x 56 UCP	Structural Foam	56.0	44.0	N/A	N/A	4.5	52	30,000	3,000	528	57
45 x 48 BR CIISF LP	Structural Foam	48.7	45.7	48.1	45.1	7.5	62	30,000	4,000	390	14
45 x 48 BR SBRR CIISF LP	Structural Foam	48.7	45.7	48.1	45.1	7.5	62	30,000	4,000	390	14
45 x 48 HDPT	Structural Foam	49.0	46.0	N/A	N/A	6.1	45.3	30,000	4,000	520	14
45 x 48 JOURNEY	Structural Foam	48.9	45.9	48.3	45.3	6.0	55	30,000	4,000	442	14
45 x 48 PT	Structural Foam	49.1	46.1	48.2	45.2	6.1	49	30,000	4,000	520	15
48 x 48 Drum OP CIISF	Structural Foam	48.8	48.8	N/A	N/A	5.5	57	30,000	4,000	494	61
48 x 48 HDSC	Structural Foam	48.0	48.0	N/A	N/A	5.1	51	30,000	4,000	520	56
48 x 48 Modular POP	Structural Foam	48.0	48.0	N/A	N/A	5.5	38	20,000	4,000	616	53
48 x 60 CIISF	Structural Foam	60.0	47.8	N/A	N/A	5.8	88	30,000	3,500	320	61
48 x 72 CIISF	Structural Foam	71.8	47.8	N/A	N/A	5.8	110	30,000	4,000	256	61
1100 x 1200 Beer-Pal	Structural Foam	43.3	47.2	N/A	N/A	5.9	58	22,046	3,306	504	70
1100 x 1240 Beer-Pal	Structural Foam	43.3	48.8	N/A	N/A	5.9	58	22,046	3,306	504	70
1120 x 1300 BulkPal (Repairable)	Structural Foam	44.1	51.2	N/A	N/A	5.5	50.7	22,046	2,756	Call ORBIS	70
1120 x 1420 BulkPal (One-piece)	Structural Foam	44.0	56.0	N/A	N/A	5.5	62.8	22,046	2,756	Call ORBIS	69
1120 x 1420 BulkPal with 2.0" connectors	Structural Foam	44.0	56.0	N/A	N/A	4.5	55.6	22,046	2,756	Call ORBIS	69
1120 x 1420 BulkPal with 3.0" connectors	Structural Foam	44.0	56.0	N/A	N/A	5.5	60	22,046	2,756	Call ORBIS	69
1200 x 1000 SuperPal	Structural Foam	39.4	47.2	N/A	N/A	6.3	53.3	22,046	2,756	510	69
1180 x 1250 BulkPal (One-Piece)	Structural Foam	46.5	49.2	N/A	N/A	5.2	53	22,046	2,756	Call ORBIS	70
1180 x 1265 BulkPal (One-Piece)	Structural Foam	46.5	49.8	N/A	N/A	5.2	47.6	22,046	2,756	Call ORBIS	70

Add Efficiency with Pallet Options

ORBIS pallets are available with a wide variety of options for the ultimate in warehousing efficiency. Availability varies by model and version. For a full listing of pallet options and accessories, please see page 74.

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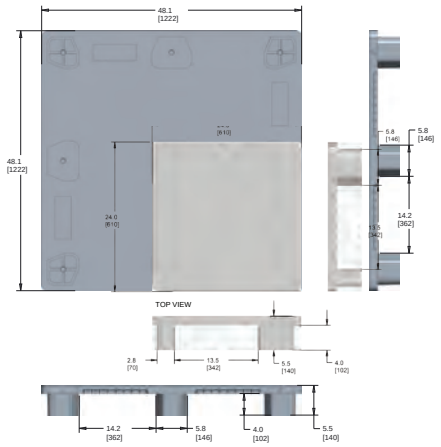
24" x 24" - 37" x 37" STACKABLE PALLETS

Food Processing & Distribution | Consumer Packaged Goods | Pharmaceutical | Beverage | Retail Display

POINT-OF-PURCHASE (POP) RETAIL DISPLAY BASES

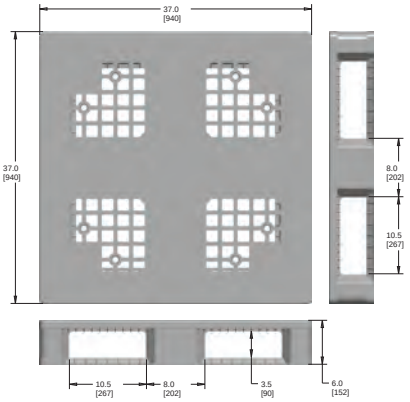
- Attractive POP display solution for in-aisle or end-of-aisle displays
- Available in 24 x 24, 24 x 48, and 48 x 48 sizes
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, molded-in logo



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
24 x 24 Modular POP	24.0	24.0	5.5	9.5	8,000	1,000	2,496
24 x 48 Modular POP	48.0	24.0	5.5	19	15,000	2,000	1,176
48 x 48 Modular POP	48.0	48.0	5.5	38	20,000	4,000	616

37 x 37 NPL 350

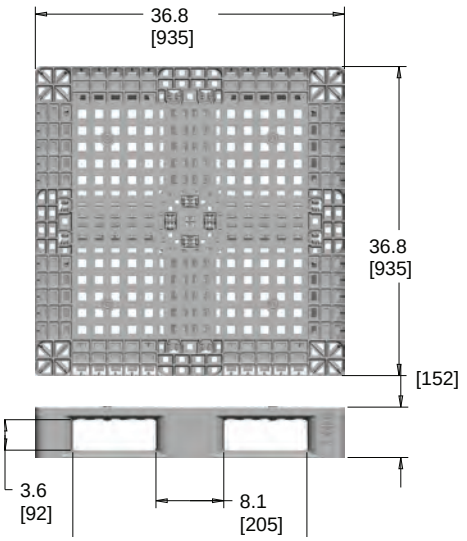
- Designed to ship beverage products, aluminum and steel cans, glass and plastic bottles and other rigid packages
- Available in FDA-compliant material
- Post-in-post configuration for impact durability
- Compatible with most palletizers and conveyors
- Tapered 4-way entry
- Options (p 74): Hot stamp, molded-in logo, deck grommets, deck roughing



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
37 x 37 NPL 350	37.0	37.0	6.0	38	30,000	4,000	544

37 x 37 BEV FG

- Molded-in texture to keep product in place during conveyance and transit
- Optimized fork tine openings for ease of entry and exit
- Solid one-piece legs provide extra strength
- Options (p 74): Hot stamp, molded-in logo, deck grommets



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
37 x 37 BEV FG	37.0	37.0	6.0	33	33,000	3,800	578

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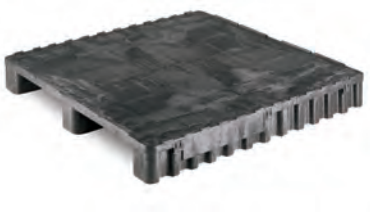
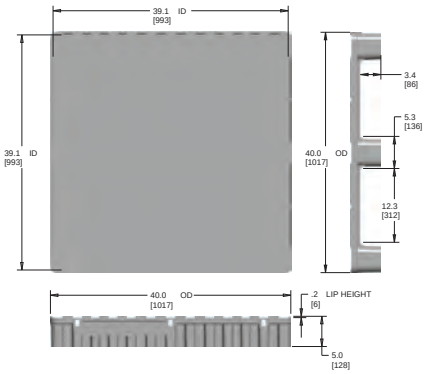
40" x 40" - 44" x 52" STACKABLE PALLETS

Dairy | Consumer Packaged Goods | Bakery



40 x 40 DAIRY PALLET

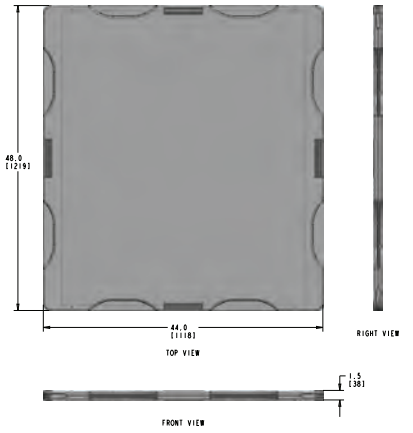
- Available in FDA-compliant material
- Available with standard or narrow stringer
- Compatible with ORBIS dairy cases (p. 28)
- Multiple lip options available
- Fork truck entry: 2-way; Hand truck entry: 2-way
- Options (p 74): Hot stamp, molded-in logo, reinforcement options, optional flat deck, spin disks



Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	
40 x 40 DY	40.0	40.0	39.1	39.1	5.0	39	30,000	5,000	660

40 x 48 PALLET SUPPORT BOARD

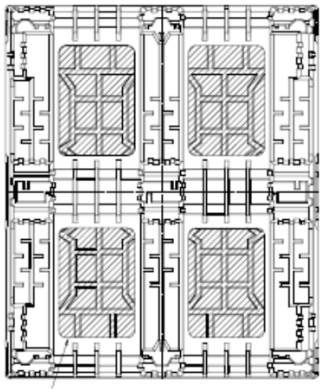
- Ideal for automated warehouses and distribution centers
- Provides a dimensionally consistent platform to interface with automated material handling equipment
- Options (p 74): Smooth or rough deck, high density polyethylene (HDPE) or polypropylene (PP) material



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 PSB	48.0	40.0	1.5	26	30,000	N/A	1,500

44 x 52 BREAD PALLET

- Twin sheet thermoformed, steel reinforced pallet
- Available in FDA-compliant material
- Compatible with ORBIS bakery systems (p. 33-34)
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, molded-in logo



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 52 TS Bread Pallet	51.8	43.3	6.6	38	1,750	1,200	416

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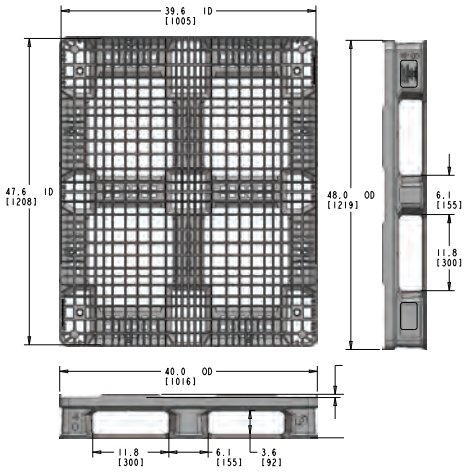
40" x 48" STACKABLE PALLETS

Food Processing & Distribution | Consumer Packaged Goods | Pharmaceutical | Beverage | Retail Display | Industrial

40 x 48 RACKOCELL LIGHT DUTY (LD) PALLET

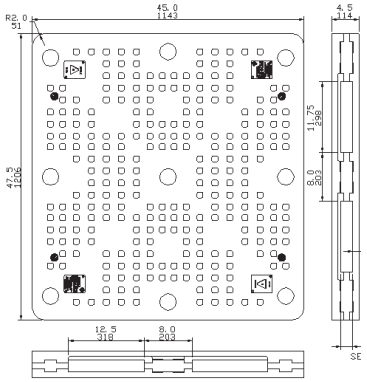
- One-piece, flow-through design, ideal for washing and drying
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Top Cap compatibility (p 71-72): 1200 x 1000 OPTE TopCap
- Options (p 74): Hot stamp, molded-in logo, 1/2" discontinuous lip, ID plates, 8 fork tine opening grommets, 4 outer post grommets



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 RCKO LD	48.0	40.0	6.25	49	30,000	5,000	510

40 x 48 BULKPAL REPAIRABLE PALLET

- Patented snap-fit design for on-site repair
- Available in Grab-A-Block version for efficient pallet picking
- Available in fire-retardant material (40 x 48 BulkPal w/ 2.0" connectors only)
- Tapered 4-way entry; various heights available
- Options (p 74): Hot stamp, molded-in logo, roughed surface, bar coding, full bottom deck, 4 deck grommets, 4 fork tine grommets

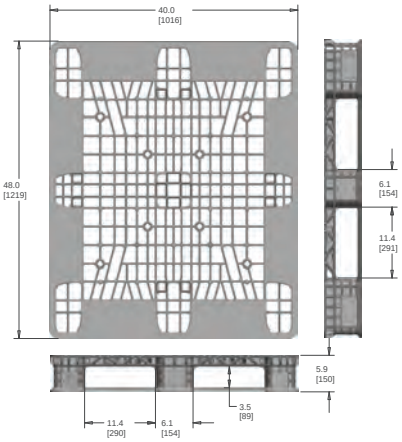


Pictured: 40 X 48 BulkPal with 2.0" connectors

Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 BulkPal with 2.0" connectors	48.0	40.0	4.5	44	33,000	3,800	690
40 x 48 FM BulkPal with 2.0" connectors	48.0	40.0	4.5	46	33,000	3,800	690
40 x 48 Grab-A-Block with 3.0" connectors	48.0	40.0	5.5	46	33,000	3,800	570
40 x 48 BulkPal with 2.5" connectors	48.0	40.0	5.0	46	33,000	3,800	630
40 x 48 BulkPal with 3.0" connectors	48.0	40.0	5.5	47	33,000	3,800	570
40 x 48 BulkPal with 3.7" connectors	48.0	40.0	6.2	49	33,000	3,800	510
40 x 48 BulkPal (double deck)	48.0	40.0	4.5	47	33,000	3,800	720

40 x 48 STACK'R LD PALLET

- Available with an open or solid deck
- Manufactured in recycled polyethylene (HDPE)
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Top Cap compatibility (p 71-72): 40 x 48 StakCap
- Options (p 74): 1/2" discontinuous lip, 8 grommets



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 STCKR LD OPEN DECK	48.0	40.0	5.9	44	30,000	4,000	510
40 x 48 STCKR LD SOLID DECK	48.0	40.0	5.9	48	30,000	4,000	510

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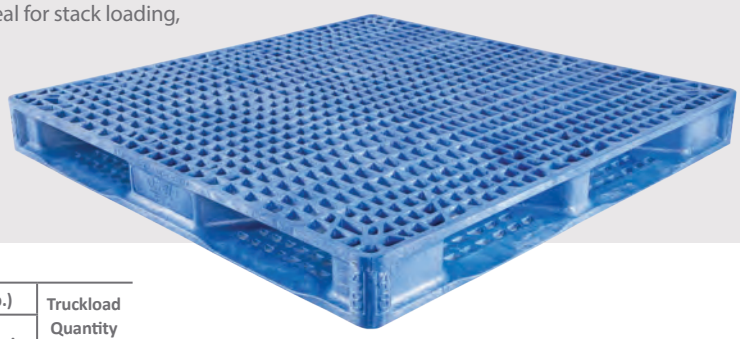
Hygienic Heavy-Duty Structo-Cell Pallet Family Ideal for Food and Beverage

The 40 x 48 Structo-Cell HDSC pallet family is available in three footprints. Its highly hygienic, flow-through design makes it easy to clean and its non-porous material won't absorb moisture or odors. It is fully reusable and offers dimensional consistency optimized for automated equipment. The HDSC is designed for handling and shipping product loads in food warehousing, processing and manufacturing environments. These pallets offer a long service life and are ideal for stack loading, conveying systems, distribution and static storage. All ORBIS pallets offer an economic, environmental and efficient alternative to wood pallets or skids.

FM APPROVED FACTORY MUTUAL APPROVED

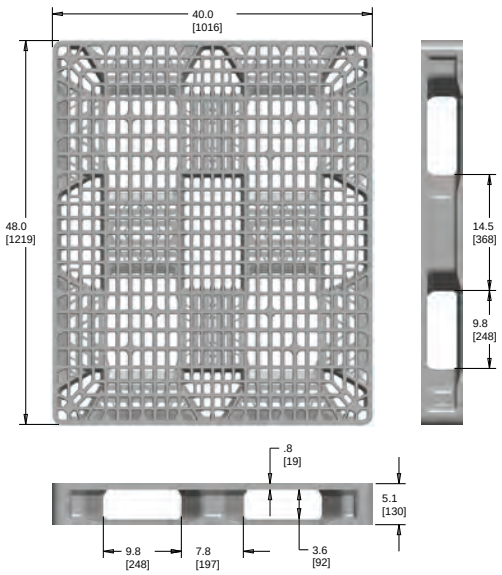


Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 HDSC	48.0	40.0	5.1	43.0	30,000	4,000	600
40 x 48 HDSC 3 - Drum	48.0	40.0	5.6	43.0	30,000	4,000	600
40 x 48 FM HDSC	48.0	40.0	5.1	45.0	30,000	4,000	600
42 x 48 HDSC	48.0	42.0	5.1	45.0	30,000	4,000	560
42 x 48 FM HDSC	48.0	42.0	5.1	47.0	30,000	4,000	560
48 x 48 HDSC	48.0	48.0	5.1	51.0	30,000	4,000	520
48 x 48 FM HDSC	48.0	48.0	5.1	53.0	30,000	4,000	520

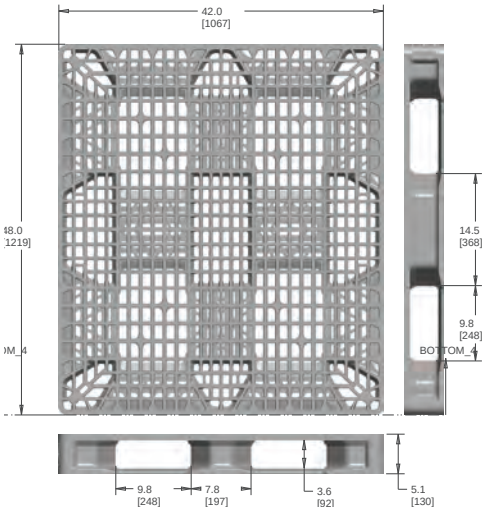
HEAVY-DUTY STRUCTO-CELL PALLET

- Available in 3 footprints
- Available in fire-retardant material
- 3-drum pallet version available (Height: 5.6") for 40" x 48" HDSC
- Fork truck entry: 4-way; Hand truck entry: 2-way
- Top Cap compatibility (p 71-72): 40 x 48 StakCap (40" x 48" HDSC)
- Options (p 74): Molded-in logo, 1/2" discontinuous lip, vinyl labels, anti-skid spin disks, 12 deck grommets

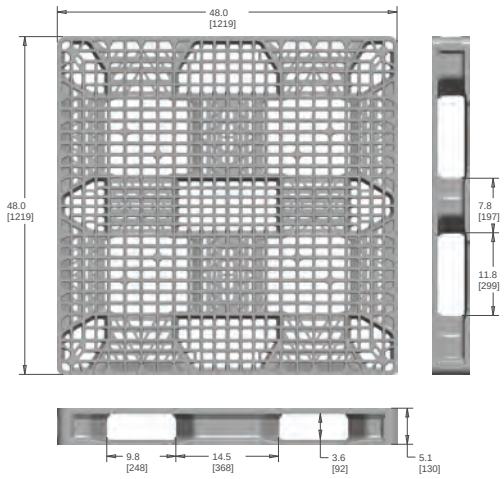
40" x 48" HDSC

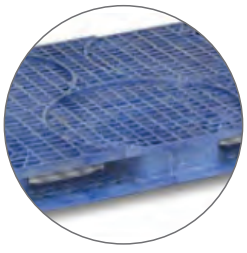


42" x 48" HDSC



48" x 48" HDSC





Drum Pallet Available

40 x 48 HDSC 3-Drum Pallet version available. Molded-in rings hold 55-gallon drums in place.

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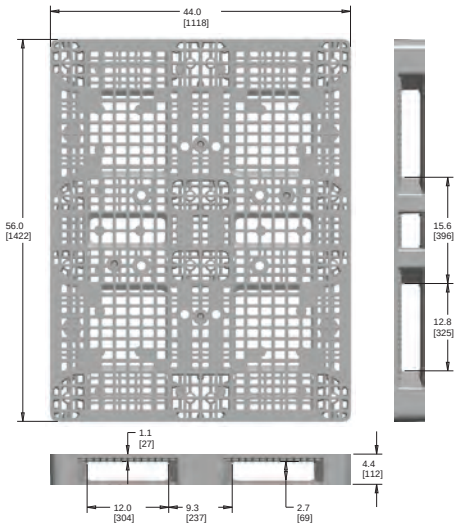
44" x 56" STACKABLE PALLETS

Beverage | Food

44 x 56 OPTIMAL CONTAINER PALLET (OCP)

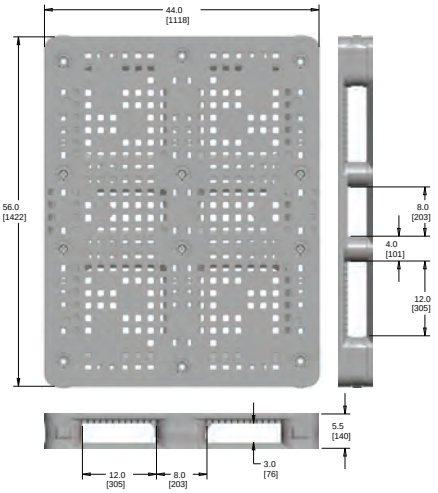
- Double wall leg structure increases pallet strength
- Designed for a variety of containers, from aluminum cans to plastic bottles
- Hygienic, flow-through rib design
- Available in FDA-compliant material
- 9-leg configuration available
- Options (p 74): Hot stamp, molded-in logos, grommets, retainer clip
- Top Frames (p. 66) and Divider Sheets (p. 67) available for additional load stability and product protection



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 OCP	56.0	44.0	4.5	53	30,000	3,000	528

44 x 56 BULKPAL REPAIRABLE PALLET

- Designed for a variety of containers, from aluminum cans to plastic bottles
- Patented snap-fit design for on-site repair
- Available in FDA-compliant material
- Fork truck entry: 4-way; Hand truck entry: 4-way available on 5" and 5.5" height versions
- Available in an open or solid deck
- Options (p 74): Hot stamp, molded-in logo, grommets
- Top Frames (p 59) and Layer Pads (p 60) available for additional load stability and product protection

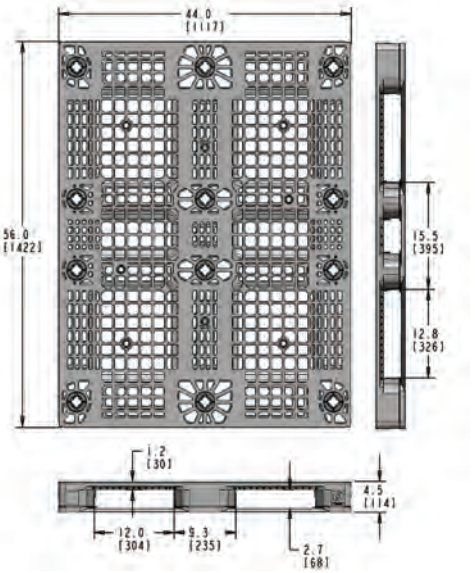


Pictured: 44 x 56 BulkPal with 2.0" connectors

Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 BulkPal with 2.0" connectors	56.0	44.0	4.5	55	33,000	3,800	528
44 x 56 BulkPal with 2.5" connectors	56.0	44.0	5.0	55.5	33,000	3,800	525
44 x 56 BulkPal with 3.0" connectors	56.0	44.0	5.5	56	33,000	3,800	475

44 x 56 UCP PALLET

- Designed for a variety of containers, from aluminum cans to plastic bottles
- Easily cleanable, hygienic 12-block design
- Two-piece snap design
- Available in FDA-compliant material
- Compatible with many palletizers, depalletizers, conveyors and automatic strapping systems
- Options (p 74): Hot stamp, molded-in logos, grommets
- Top Frames (p 59) and Layer Pads (p 60) available for additional load stability and product protection



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 UCP	56.0	44.0	4.5	52	30,000	3,000	528

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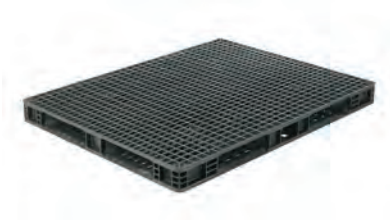
44" x 56" STACKABLE PALLETS

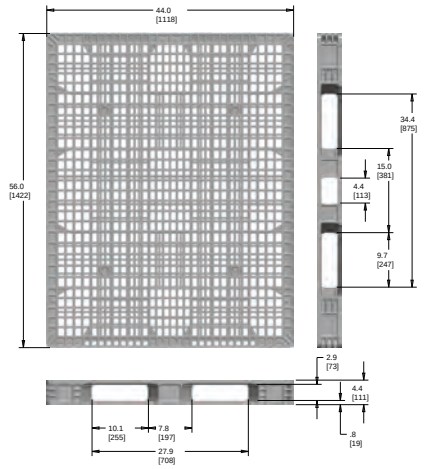
Primary Packaging | Aerosol



44 x 56 HEAVY-DUTY STRUCTO-CELL (HDSC) PALLET

- Designed for heavy duty beverage and food applications
- One-piece design provides superior hygiene
- Optimized fork tine openings to strengthen against banding tensions
- Available in FDA-compliant material
- Fork truck entry: 4-way
- Options (p 74): Molded-in logo, grommets
- Top Frames (p 59) and Layer Pads (p 60) available for additional load stability and product protection

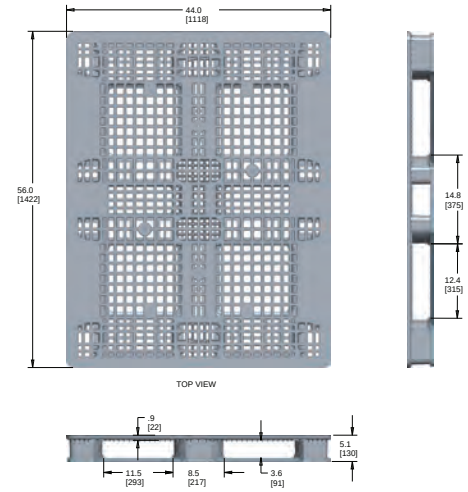
Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 HDSC	56.0	44.0	4.4	57	30,000	4,000	528



44 x 56 DUROCELL HI PALLET

- Built for high performance in the glass industry
- 12-leg design allows for flexibility in banding loads
- Available in FDA-compliant material
- Fork truck entry: 4-way; Hand truck entry: 4-way
- 9-leg version available
- Options (p 74): Hot stamp, molded-in logo, grommets
- Top Frames (p 59) and Layer Pads (p 60) available for additional load stability and product protection

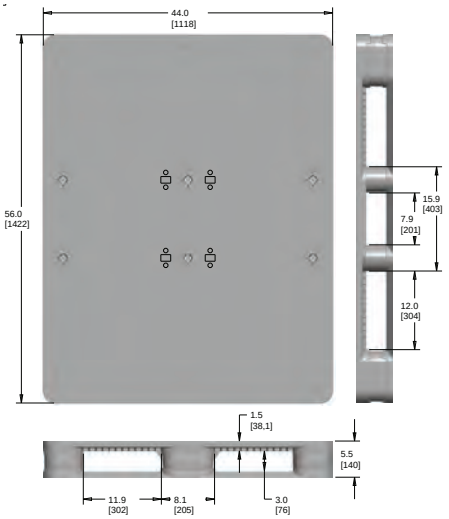
Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 DC HI	56.0	44.0	5.1	52	30,000	4,000	440



44 x 56 END-PAL PALLET

- Manufactured with glass filled polypropylene and designed with a solid deck to convey can ends and for use in heavy duty applications
- Heavy-duty connectors to support heavy loads
- Available in FDA-compliant material
- Options (p 74): Hot stamp, molded-in logos, grommets, anti-skid friction tape

Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
44 x 56 End-Pal	56.0	44.0	5.5	70	33,000	3,800	475



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44" x 56" TOP FRAMES

Beverage | Food

Top Frames protect product during storage and transport by unitizing full pallet loads of beverage products, aluminum and steel cans, glass and plastic bottles, and other rigid packaging. When combined with plastic pallets, top frames securely stabilize loads of product.

44 x 56 HIGH-PRESSURE TOP FRAME

- Unit stabilizer used to support containers
- Unique rounded and cleated traction corners secure loads without damage to palletized product
- Impact resistant and absorbs shock
- Dimensional consistency for seamless interface with automated equipment
- Fully recyclable
- Options (p. 74): Molded-in logo, hot stamp, anti-skid pads, available with center stringers

44 x 56 - 4" AND 6" STRUCTURAL FOAM TOP FRAMES

- Unit stabilizer used to support containers
- Available with or without center x-bar/stringer for additional strength and increased stabilization
- Channeled edge design offers greater strapping strength
- Indentation for straps
- Fully recyclable
- Options (p. 74): Molded-in logo, hot stamp, anti-skid pads, 4" or 6" perimeter, available without center stringers

Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions			Weight (lb.)	Truckload Quantity 53' Trailer
	L	W	H		
44 x 56 HP TF	44.0	56.0	1.00	11	2,350
44 x 56 x 4 Top Frame (Center STR)	44.0	56.0	1.25	17.75	1,672
44 x 56 x 4 Top Frame (No STR)	44.0	56.0	1.25	13	1,672
44 x 56 x 6 Top Frame (Center STR)	44.0	56.0	1.25	21	1,672
44 x 56 x 6 Top Frame (No STR)	44.0	56.0	1.25	17	1,672

44 x 56 UCP, Solid Layer Pads and High-Pressure Top Frame

Total System for Secure and Stable Unit Loads in the Supply Chain

Transport and store unitized food and beverage loads faster, safer and sustainably with ORBIS' complete solution. ORBIS' 44 x 56 food and beverage handling system streamlines distribution with three products: pallets, layer pads and top frames. The system protects unitized loads carrying a variety of food and beverage products, like aluminum cans, steel cans and PET plastic bottles.

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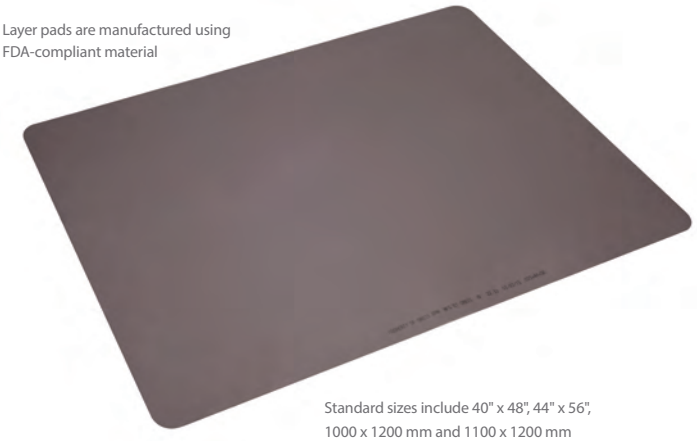
LAYER PADS

Primary Packaging | Aerosol | Beverage | Food

Plastic layer pads provide added product protection and reusability in food and beverage applications. The layer pads also offer enhanced load stability for unitized loads of products in a variety of applications. When combined with plastic pallets and plastic top frames, an efficient and reusable shipping system is created for storage and transport. Reusable plastic sheets are placed between layers of aluminum, steel, glass, and plastic containers used to package food and beverage products.

Plastic layer pads are available in both solid and sealed edge corrugated styles to meet diverse application needs. The non-sloughing, plastic design greatly reduces moisture and mold contamination that can occur from porous fiber and paper alternatives. Additionally plastic layer pads are easily cleaned and sanitized using proprietary cleaning and sanitization technologies. Their reusability and sustainability eliminates the packaging waste associated with the disposal and recycling of corrugated and solid fiberboard sheets.

Layer pads are manufactured using FDA-compliant material



Standard sizes include 40" x 48", 44" x 56", 1000 x 1200 mm and 1100 x 1200 mm

SOLID PLASTIC LAYER PADS

- Consistent dimensions for use in automation
- Available in a variety of radius corners
- Available in multiple colors and custom colors
- 100% recyclable
- Company name and other specifications can be printed on sheets (range: .025 - .180)

CORRUGATED PLASTIC LAYER PADS

- Higher densities and increased flutes per foot add strength while remaining lightweight
- Standard gauge: 3.5mm and densities range from 950 grams/sq. m to 1,500 grams/sq. m

Specifications All dimensions in inches, unless specified.

Model	Outside Dimensions			Weight (lb.)	Truckload Quantity 53' Trailer
	Length	Width	Thickness		
Divider Sheet: Aluminum Can	44.0	56.0	0.025	2.1	20,000
Divider Sheet: Aluminum Can	44.0	56.0	0.030	2.5	14,960
Divider Sheet: Steel Can	44.0	56.0	0.050	4.1	10,000
Divider Sheet: PET Bottle	44.0	56.0	0.060	4.9	8,200
Divider Sheet: Glass Bottle (1150 grams)	44.0	56.0	3.5mm	4.1	10,000

Packaging Management Programs Available

Simplify your supply chain by trusting ORBIS RPM services to manage your food and beverage packaging assets. ORBIS RPM manages packaging supply chains from start to finish, including demand planning, shipping, tracking, cleaning, sorting, reverse logistics and replenishment. See pages 3-4 for more information.

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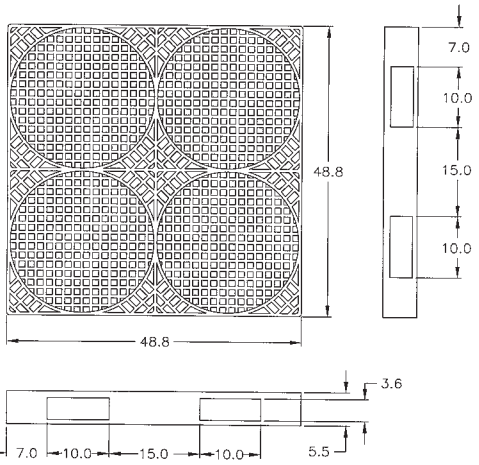
48" x 48" - 48" x 72" STACKABLE PALLETS

Industrial | Pharmaceutical | Chemical

48 x 48 DRUM OP STACKABLE PALLET

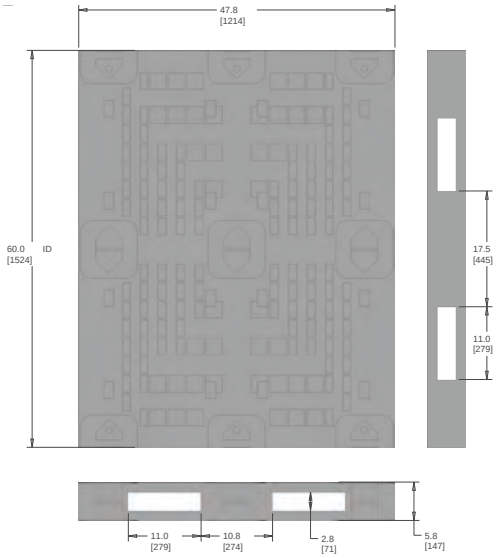
- One-piece drum pallet features four molded-in rings to secure 55 gallon drums during transportation
- Fork truck entry: 4-way
- Options (p. 74): Hot stamp, molded-in logo, ID plates



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
48 x 48 Drum OP CIISF	48.8	48.8	5.5	57	30,000	4,000	494
48 x 48 FM Drum OP CIISF	48.8	48.8	5.5	59	30,000	4,000	494

48 x 60 CIISF PALLET

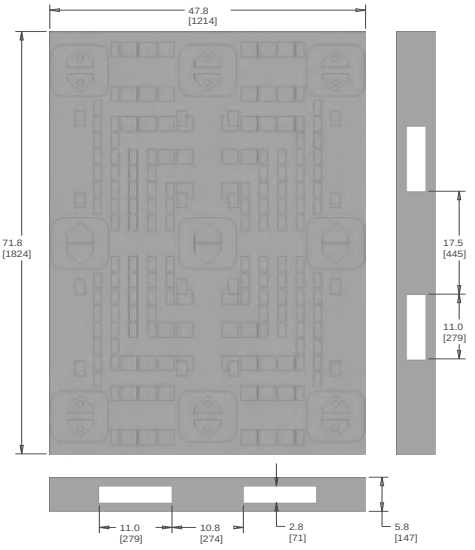
- Pallet is fully reversible for double stacking of loads
- Fork truck entry: 4-way
- 3 runner styles available for use with hand truck (60" side only)
- Options (p. 74): Hot stamp, ID plates



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
48 x 60 CIISF	60.0	47.8	5.8	88	30,000	3,500	320

48 x 72 CIISF PALLET

- Pallet is fully reversible for double stacking of loads
- Fork truck entry: 4-way
- 3-runner style available for use with hand truck
- Options (p. 74): ID plates



Model	Outside Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
48 x 72 CIISF	71.8	47.8	5.8	110	30,000	4,000	256

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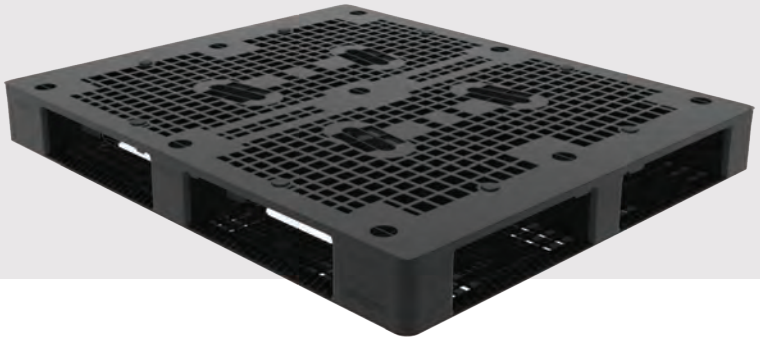
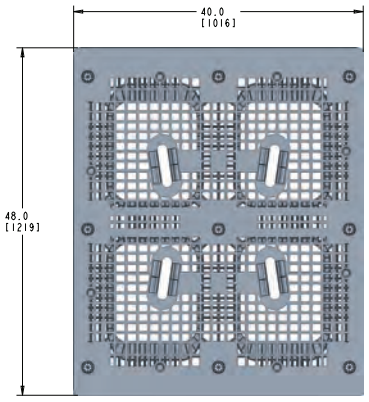
40" x 48" P3 Pallet Improves Sustainable Handling in the Primary Packaging Supply Chain

The 40 x 48 P3 pallet is lightweight, hygienic, durable, and integrates seamlessly with manual and automatic material handling equipment. Fully reusable and manufactured with recycled plastic, the P3 pallet is a sustainable replacement to wood pallets. ORBIS' reusable plastic packaging solutions are optimized for the manufacturing and transportation of preforms, caps, closures, and blown bottle applications. Its molded-in deck pads with additional surface area support multiple box layout configurations to protect box corners and low profile 5.1" height is optimized for double stacking in racks and truckload efficiencies make it ideal for primary packaging shipping loops.

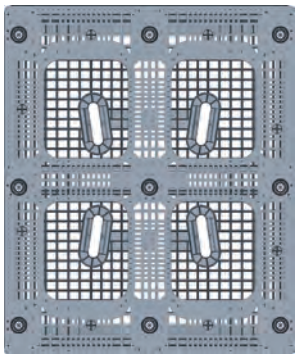
- Plastic, flow-through design
- Full stringer bottom
- Optional grommets to reduce load shifting and product damage
- Grommet heads interlock with stringer pockets when pallets are stacked for improved stability

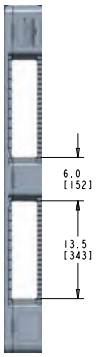
The P3 pallet is fully recyclable at end of life and is eligible for the Recycle with ORBIS program.



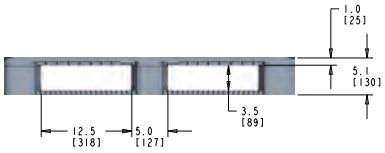


Top View


Bottom View



48" Side View



40" Side View

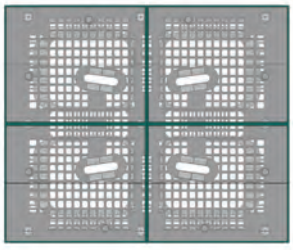
Model	Outside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility (lb.)		Truckload Quantity 53' Trailer
	L	W			Static	Dynamic	Selective / Edge*	Decking / Center	
40 x 48 P3	48.0	40.0	5.1	30	30,000	3,000	N/A	3,000	600
40 x 48 P3 with reinforcement**	48.0	40.0	5.1	35	30,000	3,000	1,200	3,000	600

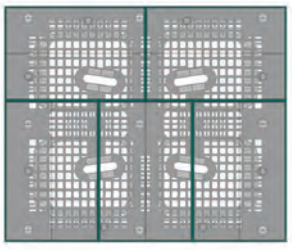
*Edge rackable in 40" direction only. ** Reinforcements available in 40" direction.

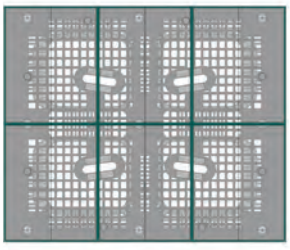
Featured P3 Pallet Options:

- Steel reinforcements (40" direction only)
- 8 grommets
- Molded-in logo (48" left leg)

Standard Box Layout Configurations


4 DOWN (24 x 20 BOXES)


5 DOWN (24 x 16 BOXES)


6 DOWN (20 x 16 BOXES)

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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NESTABLE PALLETS

Grocery | Wholesale | Food Service | Consumer Packaged Goods | Retail Display | Industrial | Automotive

ORBIS nestable pallets provide increased return efficiency and ergonomic benefits compared to wood pallet alternatives. From raw materials to finished goods, nestable plastic pallets protect your products throughout the supply chain.

ORBIS nestable pallets are available in footprints from 30" x 36"to 48" x 62". When combined with top caps, sleeves or seat belts, a fully unitized load is created and eliminates the need for stretch wrapping or banding.

TOP REASONS TO CONSIDER A NESTABLE PALLET:

1. Warehouse space is limited; nestability enables storage of more pallets in a smaller area.
2. Ergonomic solutions are important to you; nestable pallets are able to be moved by hand and with equipment.
3. You want to ensure your products are shipped safely and without damage.
4. You want to save on shipping costs and get more pallets on your return freight.
5. You want to prevent employee injuries by way of eliminating nails, wood chips and sharp corners from your packaging.
6. Your customers require hygienic and safe methods of receiving product shipments.

ORBIS Pallets Interface Seamlessly with Material Handling Equipment

ORBIS pallets are developed to interface with common material handling equipment, from standard fork trucks to automated vehicles. By design, reusable plastic pallets are dimensionally consistent, for repeatable performance with material handling equipment. Please see page 73 for more information.

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Nestable Pallet Specifications All dimensions in inches unless specified.

Model	Manufacturing Process	Outside Dimensions		Inside Dimensions		Height*	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer	See Page:
		L	W	L	W				Static	Dynamic		
30 x 36-B SBRR CITS SO LP	Twin Sheet Thermoformed	37.0	31.0	36.2	30.2	6.8	11.5	2.5:1	15,000	3,000	2,346	13
40 x 48 FRZ (Freezer Spacer)	Structural Foam	48.0	40.0	N/A	N/A	1.5	15.5	N/A	N/A	N/A	1,620	67
40 x 48 CISS LP .300GA w/lip & drain holes	Single Sheet Thermoformed	48.7	40.9	48.0	40.3	7.3	21	3:1	15,000	2,500	1,680	67
40 x 48 CISS MI LP .300GA	Single Sheet Thermoformed	49.7	41.6	48.3	40.3	6.5	21	2.6:1	15,000	2,000	900	67
40 x 48 NPL 352	Structural Foam	48.8	40.5	48.3	40.0	7.0	27.5	3.5:1	-	1,750	1,320	67
40 x 48 XP Grocery	Injection-Molded	48.0	40.0	N/A	N/A	6.5	24	2.4:1	15,000	2,800	1,110	65
40 x 48 XP Economy	Injection-Molded	48.0	40.0	N/A	N/A	5.75	22.5	2.4:1	15,000	2,750	1,260	65
40 x 48 XP Medium Duty	Twin Sheet Thermoformed	48.0	40.0	N/A	N/A	6.0	20	2.25:1	15,000	3,000	1,260	66
40 x 48 XP Heavy Duty	Structural Foam	48.0	40.0	N/A	N/A	5.8	35	2.2:1	30,000	4,000	1,200	66
40 x 48 XP Heavy Duty LPD	Structural Foam	48.0	40.0	47.5	39.5	6.8	35	2.2:1	30,000	4,000	1,200	66
42 x 30 Small-Format Pallet	Injection-Molded	41.8	29.8	N/A	N/A	6.4	20	2.5:1	10,000	2,800	1,845	68
42 x 48 VERSA-PAL	Structural Foam	48.0	42.0	N/A	N/A	5.5	37	2:1	30,000	4,000	1,232	68
44 x 48 VERSA-PAL	Structural Foam	48.0	44.0	N/A	N/A	5.5	38	2:1	30,000	4,000	1,144	68
45 x 48-2 MI SBRR CISS LP	Single Sheet Thermoformed	49.4	46.4	48.2	45.2	7.6	21	1.9:1	15,000	2,500	754	16
45 x 48 BR MI CISF LP	Structural Foam	48.7	45.7	48.1	45.1	6.6	41	2.6:1	30,000	4,000	936	15
45 x 48 BR SBRR CISF LP	Structural Foam	48.7	45.7	48.1	45.1	6.6	41	2.6:1	30,000	4,000	936	15
45 x 48 SFP	Structural Foam	48.8	45.8	48.3	45.3	5.8	37	2:1	30,000	4,000	884	15
45 x 54 MI CISS LP	Single Sheet Thermoformed	55.0	46.2	54.1	45.3	6.5	23	2:1	15,000	2,500	660	16
45 x 56 MI CISS LP	Single Sheet Thermoformed	57.0	46.2	56.1	45.3	6.5	24	2:1	15,000	2,500	660	16
45 x 58 MI CISS LP	Single Sheet Thermoformed	59.0	46.2	58.1	45.3	6.5	25	2:1	15,000	2,500	600	16
45 x 60 MI CISS LP	Single Sheet Thermoformed	61.0	46.2	60.1	45.3	6.5	26	2:1	15,000	2,500	600	16
46 x 48 VERSA-PAL	Structural Foam	48.0	46.0	N/A	N/A	5.5	40	2:1	30,000	4,000	1,144	68
48 x 48 MI CISF	Structural Foam	47.9	47.9	N/A	N/A	5.8	45.5	1.9:1	30,000	4,000	832	68
48 x 48 VERSA-PAL	Structural Foam	48.0	48.0	N/A	N/A	5.5	42	2:1	30,000	4,000	1,056	68
48 x 57 MI CISS LP	Single Sheet Thermoformed	57.0	48.0	56.0	47.0	6.8	29	3.5:1	15,000	2,000	840	16
48 x 60 MI CISS LP	Single Sheet Thermoformed	60.0	48.0	59.0	47.0	6.8	31	3.5:1	15,000	2,000	840	16
48 x 62 MI CISS LP	Single Sheet Thermoformed	62.0	48.0	61.0	47.0	6.8	32	3.5:1	15,000	2,000	600	16

* If the pallet has a lip, the lip height is included in the total pallet height.
LPI = Inboard Perimeter Lip, LPD = Discontinuous Perimeter Lip

Add Efficiency with Pallet Options

ORBIS pallets are available with a wide variety of options for the ultimate in warehousing efficiency. Availability varies by model and version. For a full listing of pallet options and accessories, please see page 74.

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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Nestable 40" x 48" XpressPal pallet family streamlines retail distribution with hygienic design and superior impact resistance

Grocery | Wholesale | Food Service | Consumer Packaged Goods | Retail Display

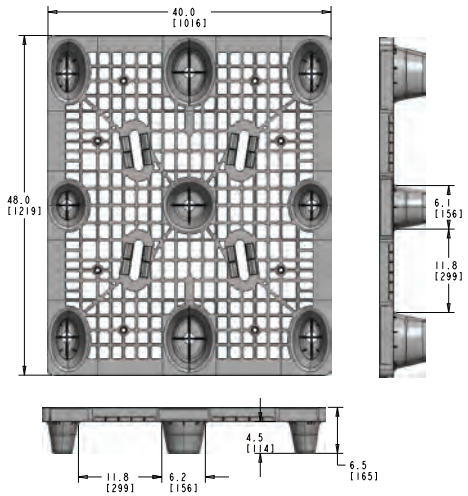
Based on the industry standard 40" x 48" footprint, ORBIS offers a full family of XpressPal pallets designed for storage and shipment of mixed loads of food, grocery and consumer packaged goods in a retail environment. These economical pallets deliver the quality needed in today's fast paced distribution networks.

Their one-piece construction sets them apart from alternative pallets by offering a hygienic design that is strong and has minimal deflection. These pallets are precisely molded and dimensionally consistent to ensure repeatable performance throughout the supply chain.

40 x 48 XPRESSPAL GROCERY

- Flow-through design, with ventilated deck and drain holes
- Round, open legs for maximum impact performance and compatibility
- Molded-in top deck texturing, to increase coeffient of friction and reduce risk of load shifting
- Smooth, all plastic construction reduces product damage
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, molded-in logo, ID plates, 8 deck grommets

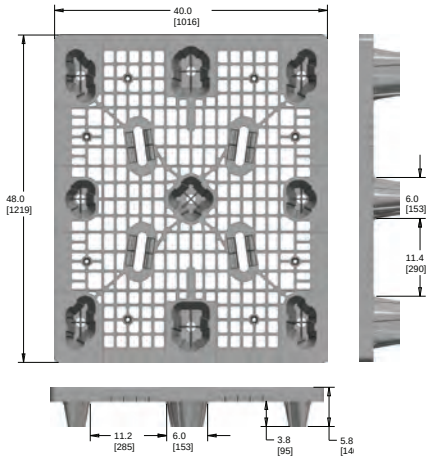
Model	Dimensions		Height	Weight (lbs.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W				Static	Dynamic	
40 x 48 XP Grocery	48.0	40.0	6.5	24	2.4:1	15,000	2,800	1,110



40 x 48 XPRESSPAL ECONOMY

- Flow-through design, with ventilated deck and drain holes
- Molded-in top deck texturing, to increase coeffient of friction and reduce risk of load shifting
- Smooth, all plastic construction reduces product damage
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, molded-in logo, ID plates, 8 deck grommets

Model	Dimensions		Height	Weight (lbs.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W				Static	Dynamic	
40 x 48 XP Econ	48.0	40.0	5.75	22.5	2.4:1	15,000	2,750	1,260



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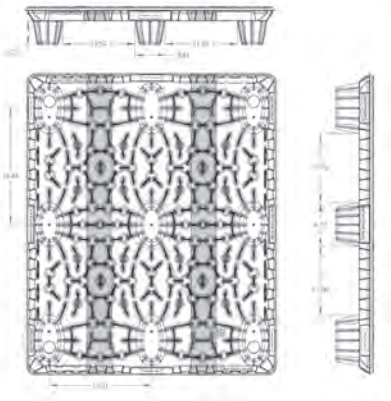
Available in a variety of styles, there is a 40 x 48 XpressPal for your distribution application.

- Interfaces nicely with all types of order picking equipment
- Offers four way fork and hand truck entry to reduce load and unload times
- Smooth, contoured designs are ideal for use in a retail environment where consumers are present
- Nests when empty for return freight savings and optimized static storage

All pallets are manufactured using 100% plastic, these non-porous pallets do not absorb moisture or odor. For added value, all XpressPal pallets can be fully recycled at the end of their service life.

40 x 48 XPRESSPAL MEDIUM DUTY (MD)

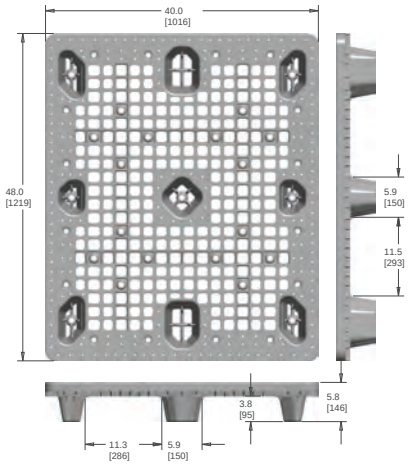
- Twin sheet thermoformed (HMWPE)
- High impact resistance
- Smooth, all plastic construction reduces product damage
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Custom color striping, ID plates, vinyl labels



Model	Dimensions		Height	Weight (lbs.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W				Static	Dynamic	
40 x 48 XP MD	48.0	40.0	6.0	20	2.25:1	15,000	3,000	1,260

40 x 48 XPRESSPAL HEAVY DUTY (HD)

- Flow-through design, with ventilated deck and drain holes
- Smooth, all plastic construction reduces product damage
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, molded-in logo, ID plates, inboard or outboard lip,16 deck grommets, 16 foot grommets



Pictured: 40 x 48 XP HD

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
40 x 48 XP HD	48.0	40.0	N/A	N/A	5.8	35	2.2.:1	30,000	4,000	1,200
40 x 48 XP HD LPD	48.0	40.0	47.5	39.5	6.8	35	2.2.:1	30,000	4,000	1,200
40 x 48 XP HD LPI	48.0	40.0	46.0	37.7	6.8	35	2.2.:1	30,000	4,000	1,200

Recycle with ORBIS

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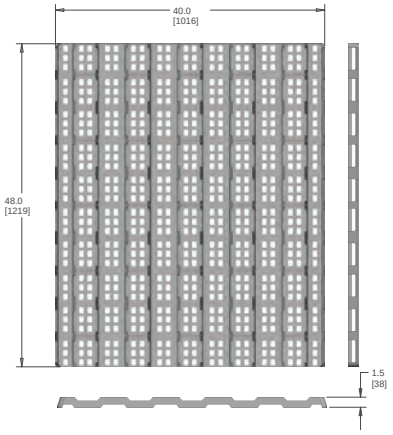
40" x 48" NESTABLE PALLETS

Freezer Applications | Food

40 x 48 FREEZER SPACER

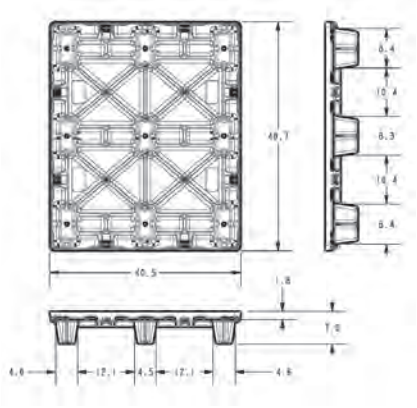
- Open lattice flow-through design allows airflow to accelerate cooling process and provide additional cooling in large volume applications
- Ideal for tempering, cooling and blast freezing food products
- Nestable and can withstand temperatures as low as -60°F



Model	Outside Dimensions			Weight (lb.)	Truckload Quantity 53' Trailer
	L	W	H		
40 x 48 FRZ	48.0	40.0	1.5	15.5	1,620

40 x 48 NPL 352 PALLET

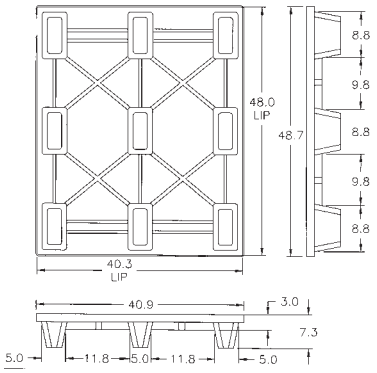
- 9-leg design
- Full perimeter lip
- Deck and leg drain holes facilitate cleaning and sanitizing
- Fork truck entry: 4-way; Hand truck entry: 4-way



Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity Dynamic (lb.)	Truckload Quantity 53' Trailer
	L	W	L	W					
40 x 48 NPL 352	48.8	40.5	48.3	40.0	7.0	27.5	3.5:1	1,750	1,320

40 x 48 CISS PALLET

- Single sheet thermoformed (HMWPE)
- Drain holes in legs
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): ID plates, vinyl labels, custom color striping



Pictured: 40 x 48 CISS LP .300GA

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
40 x 48 CISS LP .300GA*	48.7	40.9	48.0	40.3	7.3	21	3.0:1	15,000	2,500	1,680
40 x 48 CISS MI LP .300GA	49.7	41.6	48.3	40.3	6.5	21	2.6:1	15,000	2,000	900

* With lip and drain holes.

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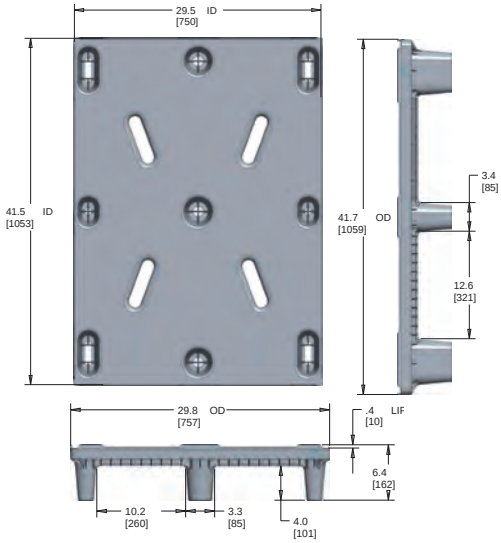
42" x 30" - 48" x 48" NESTABLE PALLETS

Retail Distribution | Food

42 x 30 SMALL-FORMAT DISTRIBUTION PALLET

- Faster deliveries with 30" pallet width that provides access through narrow doorways and maneuverability in store
- Slanted fork tunnel entry for added fork visibility
- Discontinuous outboard lip
- Fork truck entry: 4-Way; Hand truck entry: 4-way (21" tine)
- Options (p. 74): Hot stamp

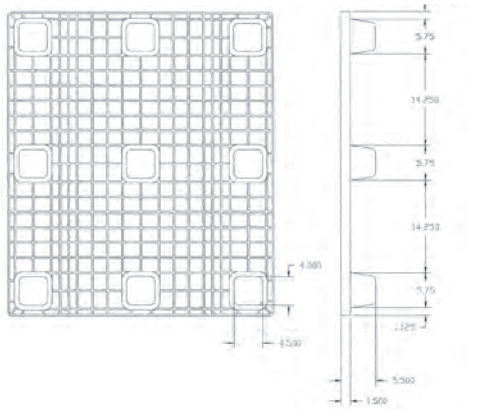


Model	Outside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W				Static	Dynamic	
42 x 30 Small-Format Pallet	41.8	29.8	6.4	20	2.5:1	10,000	2,800	1,845

42 x 48 VERSA-PAL NESTABLE PALLET

- Available in FDA-compliant material
- Full perimeter lip
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Molded-in logo, hot stamp, foot covers, lip (outboard), non-skid diamond pattern surface

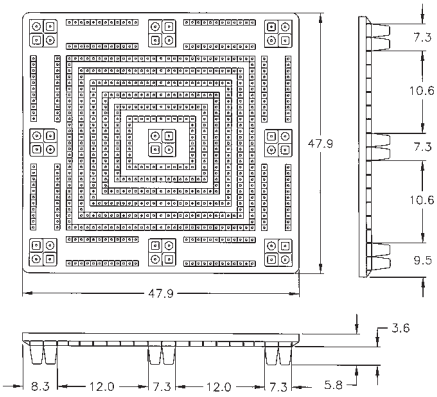
Pictured: 42 x 48 VERSA PAL



Model	Outside Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
42 x 48 VERSA-PAL	48.0	42.0	5.5	37	2:1	30,000	4,000	1,232
44 x 48 VERSA-PAL	48.0	44.0	5.5	38	2:1	30,000	4,000	1,144
46 x 48 VERSA-PAL	48.0	46.0	5.5	40	2:1	30,000	4,000	1,144
48 x 48 VERSA-PAL	48.0	48.0	5.5	42	2:1	30,000	4,000	1,056

48 x 48 NESTABLE PALLET

- Robust construction
- High strength to weight ratio
- Fork truck entry: 4-way; Hand truck entry: 4-way
- Options (p 74): Hot stamp, deck insert



Model	Outside Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
48 x 48 MI CISF	47.9	47.9	5.8	45.5	1.9:1	30,000	4,000	832

Recycle with ORBIS

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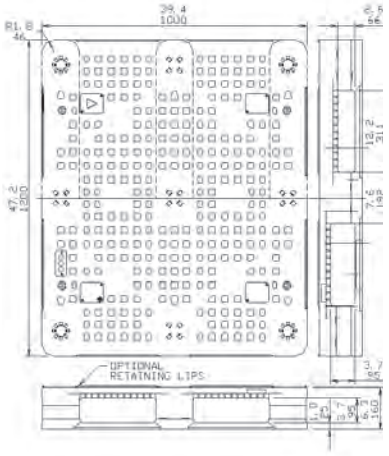
METRIC PALLETS

Food Processing & Distribution | Consumer Packaged Goods

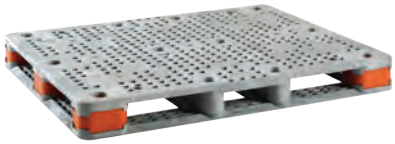
1200 x 1000 SUPERPAL PALLET

- Patented snap-fit design allows for on-site repair
- Compatible with all palletizers, conveyors and automatic systems
- Available in FDA-compliant material or fire-retardant material
- This heavy-duty pallet is designed to convey industrial products, and has standard (S) and reinforced (R) versions
- Tapered 4-way entry
- Options (p. 74): Hot stamp, molded-in logo, grommets, bar coding, custom colors



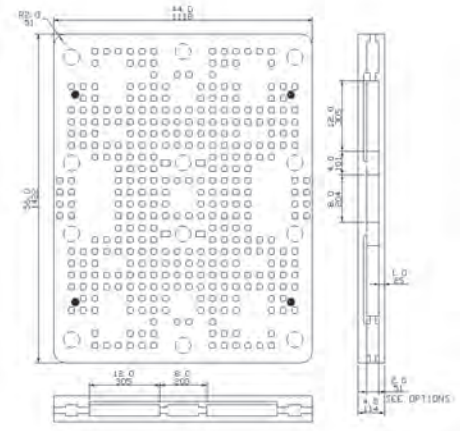
Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1200 x 1000 SuperPal	39.4	47.2	6.3	53.3	22,046	2,756	510
	1000	1200	160.0	24.0	10,000	1,250	
1200 x 1000 FM SuperPal	39.4	47.2	6.3	55.0	22,046	2,756	510
	1000	1200	160.0	24.8	10,000	1,250	

This is a non-standard product that is produced outside the United States. Lead times may vary. Minimum order sizes may apply. FM material is not available in Europe.



1120 x 1420 BULKPAL REPAIRABLE PALLET

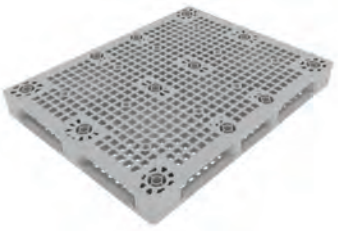
- Designed to convey filled beverage products, aluminum and steel cans, glass, plastic bottles and can ends and other rigid packages on many palletizers and conveyor systems
- Patented snap-fit design for on-site repair
- Tapered 4-way entry
- Available in 2 heights
- Options (p. 74): Hot stamp, molded-in logo, grommets, bar coding, custom colors



Pictured: 1120 x 1420 BulkPal with 2.0" connectors

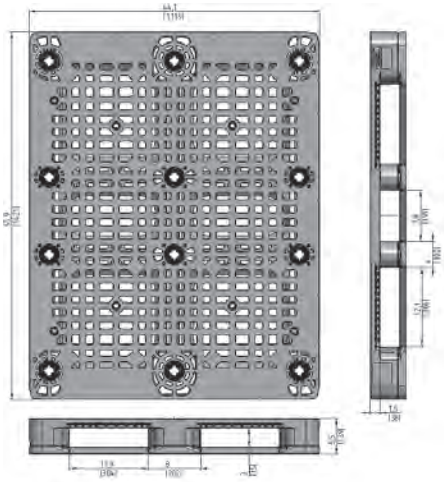
Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1120 x 1420 BulkPal with 2.0" connectors	44.0	56.0	4.5	55.6	22,046	2,756	Call ORBIS
	1118.0	1422.0	114.0	25.0	10,000	1,250	
1120 x 1420 BulkPal with 3.0" connectors	44.0	56.0	5.5	60.0	22,046	2,756	Call ORBIS
	1118.0	1422.0	140.0	27.0	10,000	1,250	

This is a non-standard product that is produced outside the United States. Lead times may vary. Minimum order sizes may apply.



1120 x 1420 BULKPAL PALLET

- Designed to convey filled beverage products, aluminum and steel cans, glass, plastic bottles and can ends and other rigid packages on many palletizers and conveyor systems
- Patented one-piece design for on-site repair
- Tapered 4-way entry
- Options (p. 74): Hot stamp, molded-in logo, grommets, bar coding, custom colors



Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1120 x 1420 BulkPal	44.0	56.0	5.5	62.8	22,046	2,756	Call ORBIS
	1118.0	1422.0	139.0	28.5	10,000	1,250	

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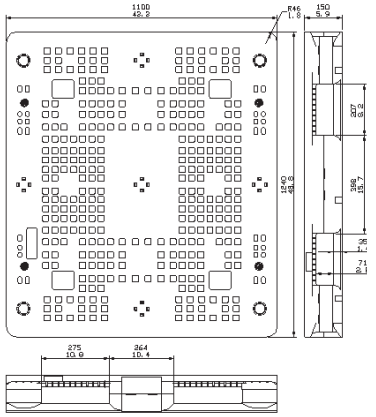
METRIC PALLETS

Pharmaceutical | Beverage | Industrial

1100 x 1200 & 1100 X 1240 BEER-PAL PALLET

- Designed to convey filled beverage products, aluminum and steel cans, glass, plastic bottles and can ends and other rigid packages on many palletizers and conveyor systems
- Patented snap-fit design for on-site repair
- Available in FDA-compliant material
- Impact resistant polypropylene material
- Tapered 4-way entry
- Options (p. 74): Hot stamp, molded-in logo, grommets and reinforcing rods



Pictured: 1100 x 1200 BeerPal

Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1100 x 1200 Beer-Pal	43.3	47.2	5.9	58.0	22,046	3,306	504
	1099.8	1198.9	149.8	26.1	10,000	1,500	
1100 x 1240 Beer-Pal	43.3	48.8	5.9	58.0	22,046	3,306	504
	1099.8	1239.5	149.8	26.1	10,000	1,500	

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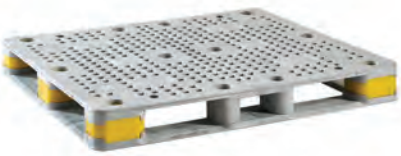
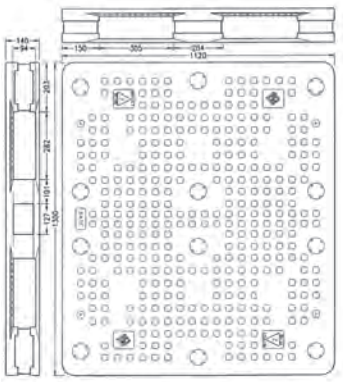


1120 x 1300 BULKPAL REPAIRABLE PALLET

- Designed to convey filled beverage products, aluminum and steel cans, glass, plastic bottles and can ends and other rigid packages on many palletizers and conveyor systems
- Available in FDA-compliant material
- Recessed area for bar coding
- Tapered 4-way entry
- Options (p. 74): Hot stamp, molded-in logo, grommets, full perimeter or rail base, 9 or 12 post design

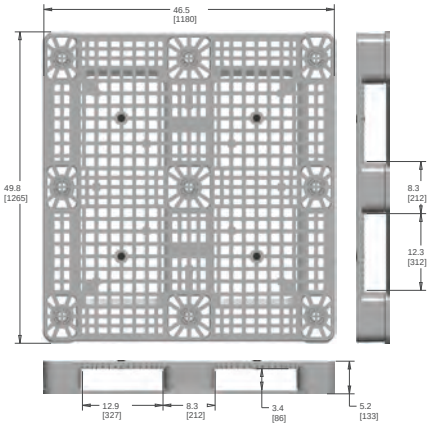


Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1120 x 1300 BulkPal	44.1	51.2	5.5	50.7	22,046	2,756	Call ORBIS
	1120.1	1300.5	140.0	23.0	10,000	1,250	

This is a non-standard product that is produced outside of the United States. Lead times may vary.

1180 x 1265 & 1180 x 1250 BULKPAL PALLET

- Designed to convey filled beverage products, aluminum and steel cans, glass, plastic bottles and can ends and other rigid packages on many palletizer and conveyor systems
- One-piece design
- Available in FDA compliant-material
- Tapered 4-way entry
- Options (p. 74): Hot stamp, molded-in logo, grommets, bar coding, custom colors



Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
1180 x 1265 BulkPal	46.5	49.8	5.2	47.6	22,046	2,756	Call ORBIS
	1180.0	1265.0	133.0	21.6	10,000	1,250	
1180 x 1250 BulkPal	46.5	49.2	5.2	53.0	22,046	2,756	Call ORBIS
	1180.0	1250.0	133.0	24.0	10,000	1,250	

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TOP CAPS

Automotive | Industrial | Food Processing

ORBIS offers many top cap footprints to accommodate your material handling application. Top caps help maintain the uniform weight distribution for secure load stacking, especially when used with seat belts.

30 x 32 TOP CAP CIISS

- Single sheet thermoformed (HMWPE)
- Designed to interlock with the 32 x 30 CIISS pallet
- Ideal for automotive and general manufacturing applications
- Compatible with 14" x 08", 16" x 15" and 32" x 15" StakPak containers
- Options (p. 74): Vinyl labels, seat belt buckles

30 x 36 TOP CAP CISS

- Single sheet thermoformed (HMWPE)
- Designed to interlock with the 30 x 36 nestable seat belt pallet
- Options (p. 74): Vinyl labels, identification plates, molded-in logo, custom color striping, seat belt buckles

32 x 38 HEAVY-DUTY STRUCTO-CELL

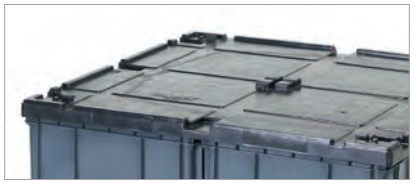
- Designed to interlock with 32 x 38 Heavy-Duty Structo-Cell pallet
- Options (p. 74): Hot stamp, identification plates, molded-in logo, seat belt buckles

40 x 48 GMA TOP CAP C CISS

- Single sheet thermoformed (HMWPE)
- Designed to interlock with the legs of the 40 x 48 XpressPal Economy and 40 x 48 XpressPal HD pallets to provide secure double stacking of pallet loads
- Compatible with 4048 Stack-N-Nest container system
- Options (p. 74): Vinyl labels, identification plates, molded-in logo, custom color striping

40 x 48 STAKCAP TOP CAP

- Single sheet thermoformed (HMWPE)
- Designed for use with 40 x 48 Stack'R and 40 x 48 HDSC Pallets
- Compatible with ORBIS 24" x 20" and 24" x 16" totes
- Options (p. 74): Vinyl labels, identification plates, molded-in logo, hot stamp



45 x 48 ORBIS JOURNEY TOP CAP

- Designed to interlock with the 45 x 48 JOURNEY pallet, as well as bulk containers and industry pallets to provide secure double stacking of pallet loads
- Resistant to bowing and deflection found in traditional thermoformed top caps
- Compatible with StakPak containers
- Options (p. 74): Vinyl labels, identification plates, molded-in logo, hot stamp, seat belt buckles

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45 x 48 HDSC TOP CAP

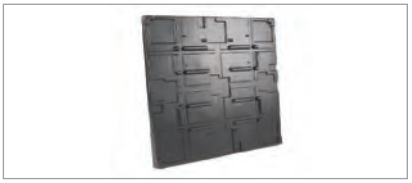
- Designed to interlock with the legs of stackable pallets
- Broad compatibility accommodates maximum trailer efficiency
- Available in recycled coastline plastic waste
- Options (p. 74): Identification plates, hot stamps, seat belt buckles

45 x 48-2 SBRR MI ID CISS LP PALLET

- Single sheet thermoformed (HMWPE)
- Mirror-image design that allows the pallet to be used as a top cap
- Versatile system ideal for automotive and general manufacturing applications
- Compatible with StakPak and Hand Held Folding Containers
- Options (p 74): Vinyl labels, identification plates, molded-in logo, custom color striping, seat belt buckles/retractors

45 x 48 CIISS TOP CAP

- Single sheet thermoformed (HMWPE)
- Designed to interlock with bottom deck of various 45 x 48 CIISF pallets to provide secure double stacking of pallet loads
- Compatible with StakPak containers
- Options (p. 74): Vinyl labels, molded-in logo, identification plates, custom color striping



45 x 48 MP3 TOP CAP CISC

- Designed to interlock with the legs of nestable pallets and many bulk bases
- Broad compatibility accommodates maximum trailer efficiency
- Compatible with StakPak and Hand-Held Folding Containers
- Options (p. 74): Vinyl labels, identification plates, hot stamps, seat belt buckles

Specifications Dimensions in inches, unless specified.

Model	Outside Dimensions			Weight (lb.)	Starting Sheet Gauge	Truckload Quantity 53' Trailer
	L	W	H			
30 x 36 TOPCAP CISS .220GA	38.0	32.0	3.3	10.5	0.220	3,162
32 x 30 TC CIISS 1408	33.4	31.4	4.5	8.3	N/A	1,500
32 x 30 TC CIISS 16/3215	33.4	31.4	4.5	8.3	N/A	1,500
32 x 38 HD TOPCAP	36.9	30.9	3.3	15.0	N/A	2,925
32 x 45 TOPCAP CISS .250 GA	45.8	32.8	2.9	14.0	0.250	2,280
40 x 48 GMA TOPCAP C CISS	48.5	40.1	2.7	17.0	0.220	1,800
40 x 48 StakCap TOPCAP	49.9	41.9	3.2	14.0	0.205	1,800
45 x 48-2 MI CISS LP .250 GA pallet (acts as top cap)	49.4	46.4	76.0	21.0	0.250	754
45 x 48 MP3 TOPCAP CISC	48.8	45.8	2.9	17.0	N/A	1,612
45 x 48 CIISS TOPCAP	48.8	45.5	3.1	16.0	0.205	2,080
45 x 48 JOURNEY TOPCAP	48.6	45.6	2.5	15.0	N/A	1,560
45 x 48 HDSC TOPCAP	48.6	45.6	1.8	24.0	N/A	600

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MATERIAL HANDLING EQUIPMENT INTERFACE

ORBIS pallets are developed to interface with common material handling equipment, from standard fork trucks to automated vehicles. By design, reusable plastic pallets are dimensionally consistent, for repeatable performance with material handling equipment. ORBIS thoughtfullly designs fork tunnels and contoured corners for equipment interface. ORBIS offers several anti-skid options that aid in load handling, including grommets, textured surfaces, frictional elements and molded-in lips. Not all options are available on all pallets. Also available are protected areas for tracking tags or labels.

ORBIS is available for on-site pallet handling training, to help operators properly handle pallets, to maximize the pallet investment and lengthen service life. For more information about how ORBIS' pallets will interface with your material handling equipment, please contact your ORBIS Sales Representative.

FORK TRUCKS

- All pallets are fork truck accessible
- Most are 4-way, some 2-way
- Can move one to many pallets at a time
- ORBIS is available for pallet handling training

HAND TRUCKS

- Also called "pallet jack"
- Fork width wider than fork trucks, gap between is smaller
- Can move one or more pallets at a time
- Can be manual or elecric

AUTOMATED VEHICLES

- Unmanned forklifts
- AVG: Automated guided vehicles
- LGV: Laser guided vehicles
- AMR: Autonomous mobile robots

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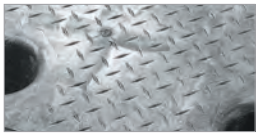
PALLET ACCESSORIES & IDENTIFICATION OPTIONS

A variety of options and accessories are available for ORBIS pallets and top caps to increase their efficiency and flexibility. All options are not applicable to all products. Minimum order quantities and set-up charges may apply. Nominal specifications subject to changes without notice.

	Plastic Accessories & Identification Options	Details
	Molded-in Logo	■ Increase identification and branding with molded-in permanent identification. ■ Original artwork must be supplied to ORBIS at the time of the order. ■ Availability, requirement and location for the molded-in identification can vary for each pallet.
	Hot Stamp Identification	■ Add logo, company name or other identification information in a predefined area on the pallet or top cap. ■ Availability, requirements, and location for the hot stamp can vary for each pallet.
	Identification Plates	■ Rigid plastic plates with adhesive backing that affix securely to your pallet. ■ These plates are designed for durability and a long service life. ■ All ORBIS pallets can accommodate identification plates. ■ Availability, requirement and location of the identification plates can vary for each pallet.
	Vinyl Labels	■ Can be used for RFID labels. ■ Flexible plastic labels with adhesive backing that affix securely to your pallet. ■ These long lasting labels are for use on all ORBIS thermoformed (HMWPE) pallets. ■ Availability, requirement and location for the vinyl labels can vary for each pallet. ■ Special vinyl labels are now available for some structural foam pallets.
	Anti-Slip Options	Placed in predetermined areas on the pallet deck, fork tine area or feet on select ORBIS pallets to stabilize a unit load and guard against load shifting by providing a non-skid surface. Options vary by pallet. ■ Frictional elements ■ Anti-skid disks ■ Grommets ■ Textured surface
	Deck Inserts and Leg Covers	■ Quickly and easily snap into the pallet to cover the leg hole openings. ■ Inserts prevent interference with small loads, conveyor systems, and other material handling equipment. ■ Standard color is black. ■ Available on all POP, nestable and stackable 48" x 48" and 48" x 72" structural foam pallets. ■ Note: Pallets will not nest after inserts have been installed.
	Custom Color Striping	■ Available on most thermoformed pallets and thermoformed OPTE pallets to provide a unique identification alternative. ■ Standard stripe widths are two and four inches. Stripe color must be specified at the time of the order and requires minimum order quantities.
	Seat Belt Assemblies	■ Attach to the pallet and top cap to effectively secure pallet loads. ■ ORBIS' innovative seat belts accommodate high stack loads and will not twist, tangle or jam. ■ Easy grab tongue loop prevents the belt from retracting back into the pallet. ■ The short lock zone provides a secure fit on short stack heights. ■ Available on various 30" x 32", 30" x 36", 32" x 38" and 45" x 48" pallets. ■ Note: Strap length is approximately 59" from housing to end of strap, but usable strap length will vary depending on load height.
	Non-Skid Pattern Surface	■ Available on selected pallets to prevent product slippage during storage and transport.

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BULKPAK CONTAINERS

ORBIS BULKPAK containers protect product during picking, assembly, processing, storage and distribution applications in a wide variety of industries.

BULKPAK containers optimize not only your supply chain, but your entire organization, with:

Lower total cost of ownership. ORBIS bulk containers offer sustainable packaging solutions with extended service life and ship more product per truckload.

Extensive product offering and custom unbiased solutions. Largest selection of bulk containers in the industry and solutions for any application.

Continuous Innovation. Drives new offerings and increased value for customers.

Quality, Service and Product Support. ORBIS provides quality that supports an attractive ROI, service that gives customers peace of mind and product support so they can focus on their core business.

- Greater ergonomics than disposable packaging
- Smooth internal walls for insertion of custom protective dunnage
- Ease of cleaning
- Availability in industry standard footprints
- Protected areas for labels and RFID tags
- Security

Retail Supply Chain Bulk Containers

40" x 48" OpteBulk System 77-78

40" x 48" and 48" x 45" BulkPak HDMX 79

40" x 48" BulkPak GP 80

MultiTank 81-82

Industrial BulkPak

32" x 30" Medium-Duty (KD) and Heavy Duty (HDR) BulkPak 83-84

40" x 48" Extreme-Duty (HDR) BulkPak 85-86

48" x 45" Heavy-Duty (HDMP) BulkPak 87-88

48" x 45" Heavy-Duty (HD) BulkPak 89-90

48" x 45" Extreme-Duty (HDR) BulkPak 89-90

56" x 48" Extreme-Duty (HDR) BulkPak 91-92

62" x 48" Heavy-Duty (HD) BulkPak 91-92

64" x 48" Heavy-Duty (HD) BulkPak 91-92

65" x 48" Extreme-Duty (HDR) BulkPak 91-92

70" x 48" Heavy-Duty (HDR) BulkPak 93-94

78" x 48" Heavy-Duty (HDR) BulkPak 93-94

BulkPak Tubs.....95

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OCEAN IN MIND

BulkPaks Made with Recycled Coastline Waste

ORBIS' Ocean in Mind packaging initiative focuses on recovering and repurposing single-use plastic waste found on coastlines and using it in supply chain packaging. Recovered coastline plastic waste is blended with other materials during the ORBIS manufacturing process to create totes, bulk containers and pallets. This material recovery offers a new stream of recycled content for reusable plastic packaging that reduces waste and conserves natural coastlines.

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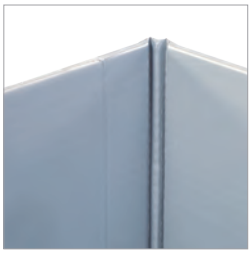
40" x 48" OPTEBULK SYSTEMS

Pharmaceutical Packaging | Automotive | Work In Process

The OpteBulk system is an economical collapsible bulk container comprised of a reusable sleeve and two mirror image (MI) pallets or a clamshell pallet and top cap system (OPTE 1200 x 1000). Select pallets feature a locking tab that secures the sleeve to the pallet and top cap. The clamshell pallet/top cap design allows for maximum cube utilization in trailers. Other benefits of the OpteBulk system include the ability to effectively transport product of all shapes and sizes, safely protecting contents from dust and dirt. The lightweight, easy to handle sleeves collapse when empty to save money on return freight and storage.

Protects contents from dust and dirt.

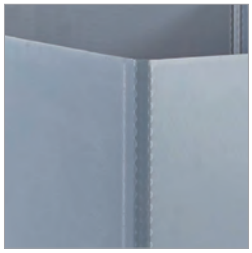
OPTE 1200 x 1000



Smooth interior walls.

ORBIS "Active Latch" enables workers to quickly engage and release the sleeve without bending over. (OPTE 1200 x 1000)

Top cap and pallet nest together for secure stacking.



Sealed edge technology.

Fully self-contained system when collapsed.

Split sleeve option available for easy unload.

Smooth deck to prevent product damage.

OPTE 1200 x 1000 with split sleeve

OPTEBULK SYSTEM

- Sleeves available in standard 10mm structured core plastic material.
- 45.5" and 29.5" standard heights for maximum trailer capacity. Custom heights also available.
- Sleeve cuts include: Z-fold (long side), M-fold (short side), Split Sleeve (short or long side).
- Fully heat sealed edges for hygienic applications
- Access doors available (24"x14" standard).
- OPTE system is defined as pallet, sleeve and top cap/pallet (mirror image) combined to form a reusable unit load container with a 10mm sleeve.

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40" x 48" OPTEBULK SYSTEMS

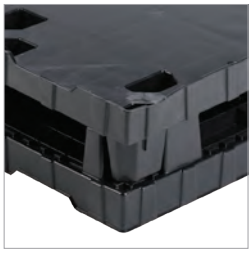
Merchandise Distribution | Inbound Packaging | Reverse Logistics | Raw Materials Storage

OpteBulk sleeves are fabricated from plastic corrugated materials with custom features designed to meet a variety of applications. Two-piece split-sleeves and one-piece Z-Fold sleeve options available, as are custom heights and designs. ORBIS offers custom printing, graphics, and placard labels, available for easy identification. Additional options include access door with Velcro latching and steel reinforced walls.

Mirror image pallet design allows the same pallet to be used as a pallet and/or top cap.

Eliminates the need for banding or stretch wrapping pallet loads.

OPTE 40 x 48 MI CISC with sleeve



Nestable feet to maximize trailer cube effeciency.

Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance	Collapsed Height	Max Container Capacity (lbs.)	Max Stacked Capacity (lbs.)	Weight (lbs.)	Internal Volume (cu. ft.)	Maximum Loaded Stack	Return Ratio
	L	W	H	L	W								
Clamshell System*													
OPTEBULK 1200 x 1000 x 896	48.3 1200	41.5 1000	35.3 896	45.0 1143	37.1 943	27.3 693	8.3 211	800 362	3,000 1,359	63.1 29	26.4 0.75	4	4:1
OPTEBULK 1200 x 1000 x 1302	48.3 1200	41.5 1000	51.3 1302	45.0 1143	37.1 943	43.3 1099	8.3 211	800 362	3,000 1,359	73.9 33	41.8 1.19	4	6:1
OPTEBULK MaxCube 1200 x 1000 x 1356**	48.3 1200	41.5 1000	51.8 1315	45.0 1143	37.1 943	43.8 1112	11.2 284	800 362	3,000 1,359	86.9 39	42.3 1.20	4	5.5:1
Mirror Image System													
OPTEBULK 40 x 48 x 54	48 1219	40 1016	54.3 1378	45.1 1146	37.2 945	42.5 1080	NA	1,200 544	4,000 1,812	86.3 39	41.3 1.17	4	5.5:1

Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				Truckload Quantity 53' Trailer		
	Height		Width				
	Long Side	Short Side	Long Side	Short Side	Pallets Only	Collapsed	Assembled
Clamshell System*							
OPTEBULK 1200 x 1000 x 896	4.0 102	4.0 102	13.5 343	12.0 305	480	360	90
OPTEBULK 1200 x 1000 x 1302	4.0 102	4.0 102	13.5 343	12.0 305	480	360	60
OPTEBULK MaxCube 1200 x 1000 x 1356**	4.0 102	4.0 102	13.5 343	12.0 305	480	330	60
Mirror Image System							
OPTEBULK 40 x 48 x 54	3.8 95	3.8 95	10.0 253	10.0 253	900	330	60

*Overall dimensions of the 1200 x 1000 System, including the top cap, is 1225 x 1025. ** Designed for fluid loads applications.

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

Recycle with ORBIS

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40" x 48" AND 48" x 45" MEDIUM-DUTY BULKPAK HDMX

Beverage Preforms | Caps/Closures | Blown Bottles | General Merchandise

The **BulkPak MaxCube** series was specifically designed for the handling, storage, and transportation of product within beverage and primary packaging applications. With load capacities up to 1,200 pounds† and available in two footprints, the **MaxCube** containers optimize product loads that frequently cube out the truck before reaching the weight limit.

Robust replaceable foot caps on HDMX4048 extend the life of the bins.

HDMX4048-46

All-plastic construction eliminates risk of rust.

Full picture frame bottom reduces risk of "short forking".

HDMX4845-50

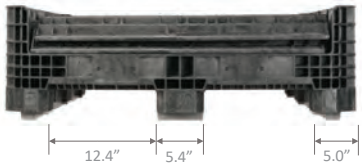
HDMX4048-46 MaxCube

- Base: Structural foam molded with foot caps
- Deck: Solid deck
- Sidewalls: Structural foam molded
- Cover: Injection molded CHDMX4048

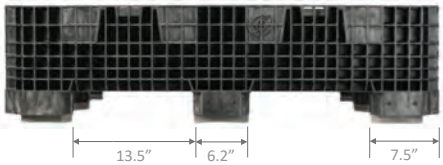
HDMX4845-50 MaxCube

- Base: Structural foam molded with picture frame stringer
- Deck: Solid deck
- Sidewalls: Structural channel molded
  - Side discharge version available
- Cover: Structural channel molded CHDMX4845
- True 44.5" x 48" footprint allows 28 skid positions per 53' trailer

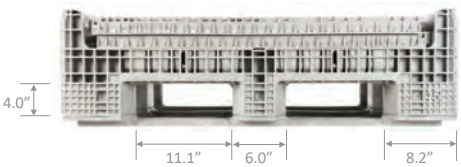
HDMX4048 40" Side



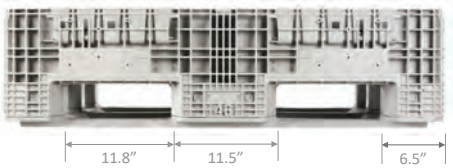
HDMX4048 48" Side



HDMX4845 44.5" Side



HDMX4845 48" Side



BulkPak MaxCube Series Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance	Collapsed Height	Nested Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)*	Maximum Loaded Stack		Return Ratio
	L	W	H	L	W							Static	Dynamic	
HDMX4048-46	48.0 1219.2	40.0 1016.0	46.0 1168.4	45.0 1143.0	37.0 939.8	40.0 1016.0	13.0 330.2	12.0 304.8	1,200 544.3	140.0 63.5	40.4 1.1	6 High	2 High	4:1
HDMX4845-50	48.0 1219.2	44.5 1130.3	50.0 1270.0	45.0 1143.0	41.5 1054.1	44.0 1117.6	13.0 330.2	12.3 312.4	1,000 453.6	140.0 63.5	49.9 1.4	4 High**	2 High**	4:1

BulkPak MaxCube Series Specifications (Cont'd)

Model	40' Container Quantities With/Without Covers		53' Truckload Quantities With/Without Covers	
	Collapsed	Assembled	Collapsed	Assembled
HDMX4048-46	126/147 147/147 (HC)	21/21 42/42 (HC)	240/240	60/60
HDMX4845-50	108/108 126/126 (HC)	18** 18 (HC)**	196/224	56**

* Internal volume calculated with cover.

** When assembled, the HDMX4845 bins should not be stacked without covers on.

BulkPak MaxCube Cover Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

COVERS	Outside Dimensions			Inside Dimensions		Weight (lb.)	40' Container Quantity	53' Truckload Quantity
	L	W	H	L	W			
CHDMX4048	49.1 1247.1	41.1 1043.9	2.1 53.3	48.7 1237.0	40.7 1033.8	14.0 0.5	1,050 1,050 (HC)	1,500
CHDMX4845	48.0 1219.2	44.5 1130.3	2.1 53.3	47.7 1211.6	44.2 1122.7	11.3 5.1	900 900 (HC)	1,300

HDMX4845 MaxCube Truckload Optimization

Improved cube vs. true 48" x 45" containers adds 4 assembled or 14 collapsed containers with lids (16 without) per shipment.

†Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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40" x 48" MEDIUM-DUTY BULKPAK GP

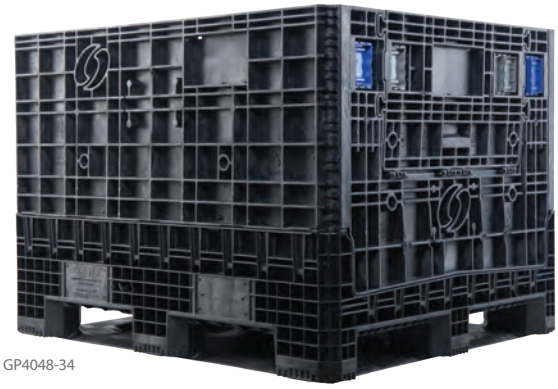
Produce | Metal Parts | Plastics and Rubber | Resins and Powders | General Merchandise

The medium-duty **BulkPak GP4048** was designed for a wide variety of product sizes, shapes, and weights. With load capacities up to 2,000 pounds†, the GP is ideal for all types of food, light industrial, and general purpose storage and shipping applications. Access doors on the 40" sides allow easy loading and unloading of the containers.

100% recyclable

GP4048-39

Available access doors improve ergonomics in manual loading and unloading applications.

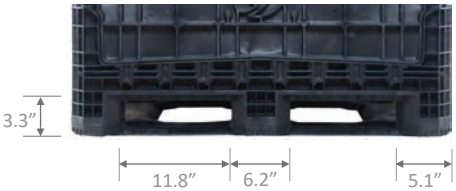


GP4048-34

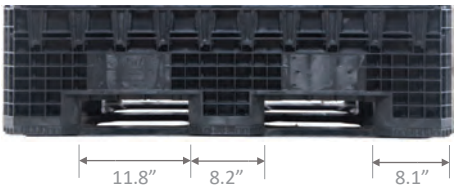
BULKPAK GP4048

- Heights available: 34", 39", 46", and 50"
- Access Doors: 0 or 2 on 40" sides
- Base: Structural foam molded with stringer or foot caps
- Deck: Solid deck
- Sidewalls: Structural foam molded
- Cover: Structural channel molded CGP4048

GP4048 40" Side



GP4048 48" Side



BulkPak GP4048 Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance	Collapsed Height	Nested Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)*	Maximum Loaded Stack		Return Ratio	Access Door Openings	
	L	W	H	L	W							Static	Dynamic		Height	Width
GP4048-34	48.0 1219.2	40.0 1016.0	34.1 866.1	45.0 1143.0	37.0 939.8	27.7 703.6	14.1 358.1	13.5 342.9	2,000 907.0	142.3 64.5	26.7 0.8	6 High	3 High	2.7:1	15.0 381.0	23.1 586.7
GP4048-39	48.0 1219.2	40.0 1016.0	39.1 993.0	45.0 1143.0	37.0 939.8	32.7 829.7	14.1 358.1	13.5 342.9	2,000 907.0	159.2 72.2	31.5 0.9	5 High	2 High	4:1	19.0 483.0	23.1 586.7
GP4048-46	48.0 1219.2	40.0 1016.0	46.1 1170.9	45.0 1143.0	37.0 939.8	39.7 1008.4	14.1 358.1	13.5 342.9	1,500 680.4	169.5 76.8	38.3 1.1	4 High	2 High	4:1	19.0 482.6	23.1 586.7
GP4048-50	48.0 1219.2	40.0 1016.0	50.1 1272.5	45.0 1143.0	37.0 939.8	43.7 1110.0	18.1 459.7	17.5 444.5	1,500 680.4	180.7 82.0	42.1 1.2	4 High	2 High	3:1	19.0 482.6	23.1 586.7

*Internal volume calculated with cover.

BulkPak GP4048 Specifications (Cont'd)

Model	40' Container Quantities (Without Covers)		53' Truckload Quantities (Without Covers)	
	Collapsed	Assembled	Collapsed	Assembled
GP4048-34	126 147 (HC)	42 42 (HC)	240	90
GP4048-39	126 147 (HC)	42 42 (HC)	240	60
GP4048-46	126 147 (HC)	21 42 (HC)	240	60
GP4048-50	105 105 (HC)	21 42 (HC)	180	60

BulkPak GP4048 Cover Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

COVER	Outside Dimensions			Inside Dimensions		Weight (lb.)	40' Container Quantity	53' Truckload Quantity
	L	W	H	L	W			
CGP4048	48.5 1231.9	40.5 1028.7	2.8 71.1	48.1 1221.7	40.1 1018.5	15.8 7.2	840 840 (HC)	1,200

Recycle with ORBIS

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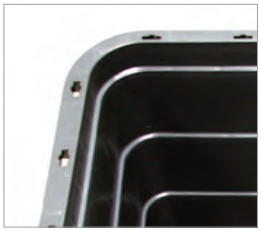
MULTITANK

Food and Solids | Beverage and Pulps | Powders | Pharmaceutical | Chemical

The MultiTank is an innovative 400 liter reusable alternative to drums and IBC tanks. It stacks when full and nests when empty. Its lid features innovative sealing technology. The unique conical design makes it nestable when empty, increasing return truckload optimization. With a 6:1 nest ratio, users can save up to 75% in storage space. The MultiTank is hygienic and offers smooth corners and surfaces for easy handling and safety. The MultiTank is easily cleanable, manually or with bin washers. It is designed to interface with all types of material handling equipment, including forklifts, hand jacks, automation, tippers and dumpers.



Smooth internal walls for easy cleaning and efficient dumping

Round access opening in lid for filling

Molded cover with gaskets. Lid can be further secured with pins

Holds 100 gallons, the contents of 2 standard 55-gallon drums

2" discharge" hole in low corner

MULTITANK

- 1000mm x 800mm x 960mm / 39.4" x 31.5" x 37.7"
- Pallet base with removable fee plugs
- UV protection
- Label areas
- Optional aseptic or liner bag
- Access when stacked
- Pressure relief valve

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Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions Top			Outside Dimensions Bottom		Inside Dimensions (Excluding Lid)			Weight (lb/kg)	Max Container Capacity - Static (lb/kg)	Max Container Capacity - Dynamic (lb/kg)	Internal Volume (Gallons/Cubic Meters)	Return Ratio
	L	W	H	L	W	L	W	H					
Container and Lid													
MultiTank	39.4 1000.0	31.5 800.0	37.7 958.1	31.5 800.0	23.6 600.0	37.9 962.9	30.0 762.8	30.6 778.0	52.5 23.6	992.1 446.4	1984.2 892.9	105.7 0.40	6 to 1
MultiTank Lid	48.3 1225.6	41.5 1054.1	51.8 1315.2	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	15.9 7.1	N/A N/A	N/A N/A	N/A N/A	N/A

Secure and stable stacking is possible with pallet feet fit that are designed to fit precisely on molded cover

Each MultiTank nests efficiently, saving strorage space in trucks or warehouses

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32" x 30" MEDIUM-DUTY BULKPAK

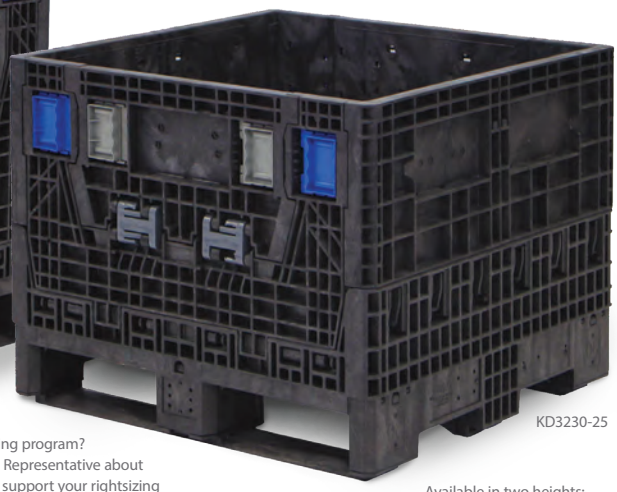
Automotive Components | Bearings | Hardware | Industrial Equipment | Metal Parts | Plastics and Rubber | Tools

The medium-duty BulkPak 3230 KD Series containers are ideal for high density small to medium sized parts and are perfect for tight working spaces. Designed to hold 1,500 lbs, these containers are built for medium-duty applications. This weight assumes an evenly distributed weight load. Fluid loads and Point loads will be subject to a weight load reduction. Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers.)(See pp. 99-104)

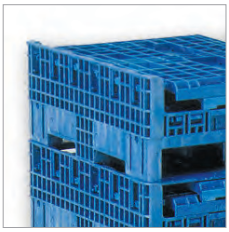
KD3230-34

Large, spring-loaded ergonomic latches make collapsing containers and opening/closing access doors extremely easy.

Multiple access door configurations: 0 or 2 doors on the 32" side



KD3230-25



Non-sequential wall hinge design allows sidewalls to completely collapse, preventing wall and hinge damage.

OCEAN IN MIND

BulkPaks are available in recycled coastline plastic waste

Planning a new packaging program? Talk to your ORBIS Sales Representative about Engineering Services to support your rightsizing efforts. See pp. 1-2 for more information.

All-plastic picture frame bottom.

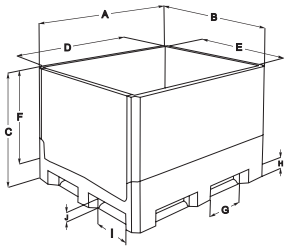
Available in two heights: 25" and 34"

BulkPak 3230 KD Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
CONTAINERS																	
KD3230-25	32.0	30.0	25.0	29.5	27.5	18.1	13.1	1500.0	67.7	8.5	6 High	4 High	2:3:1	10.5	N/A	18.0	N/A
	812.8	762.0	635.0	749.3	698.5	459.7	332.7	680.0	30.7	0.2	N/A	N/A	N/A	266.7	N/A	457.2	N/A
KD3230-34	32.0	30.0	34.0	29.5	27.5	27.1	13.1	1500.0	85.5	12.7	6 High	3 High	2:5:1	15.0	N/A	18.0	N/A
	812.8	762.0	863.6	749.3	698.5	688.3	332.7	680.0	38.7	0.4	N/A	N/A	N/A	381.0	N/A	457.2	N/A
COVER																	
CKD3230	33.0	31.0	3.0	32.3	30.3	N/A	N/A	N/A	10.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	838.2	787.4	76.2	820.4	769.6	43.2	N/A	N/A	4.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
Model	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
KD3230-25	3.5	2.0	11.1	7.3	294	168	480	240
	88.9	50.8	281.9	185.4	N/A	N/A	N/A	N/A
KD3230-34	3.5	50.8	11.1	7.3	294	126	480	180
	88.9	106.7	281.9	185.4	N/A	N/A	N/A	N/A



Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Implementation Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. (See pg. 1 for more information.)

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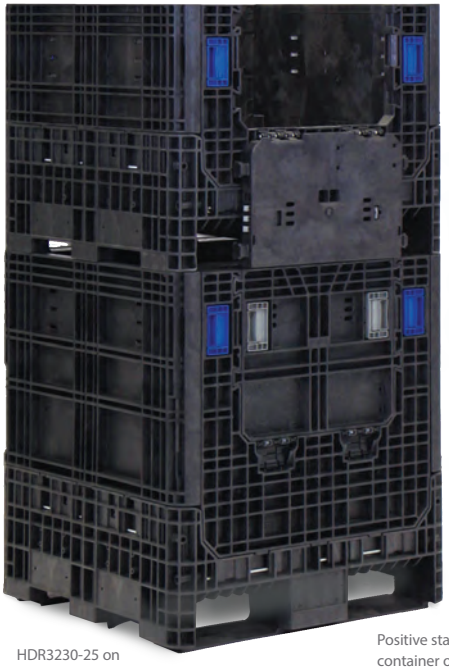
32" x 30" HEAVY-DUTY BULKPAK

Automotive Components | Bearings | Hardware | Industrial Equipment | Metal Parts | Plastics and Rubber | Tools

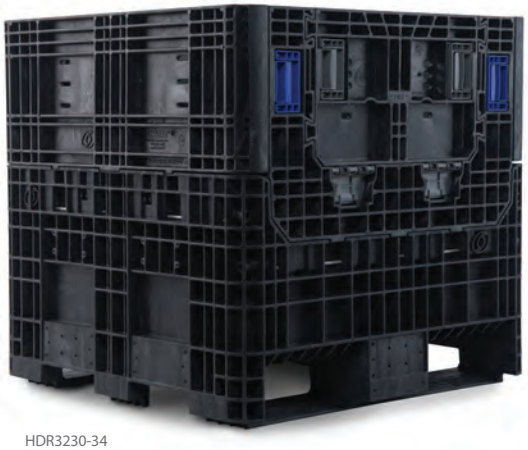
The extreme-duty BulkPak 3230 HDR Series containers are ideal for metal stampings and other heavy, dense components. Designed to hold 2,000 lbs, these containers are built for long-lasting durability in heavy-duty applications. This weight assumes an evenly distributed weight load. Fluid loads and Point loads will be subject to a weight load reduction. Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)



HDR3230-25 on HDR3230-34

Positive stacking of one container on another to reduce floorspace.

Spring-loaded ergonomic latches make collapsing containers and opening/closing access doors extremely easy



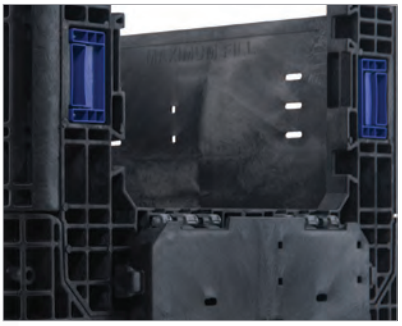
HDR3230-34

Two base options include standard 4-way forklift entry (pictured) and a conveyable base with 2-way forklift entry. Pallet jack cannot be used on short side.

Deck Styles:
HDR3230-25 and -34 offer ventilated or solid deck with drain holes

HDR3230-39 available with solid deck only, with drain holes.

Door configuration: Two access doors on 32" side.



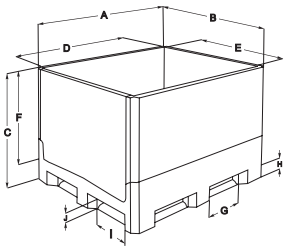
Optional structural foam molded cover available to protect product from dust and contaminants.

BulkPak 3230 HDR Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
CONTAINERS																	
HDRS3230-18	32.3	30.3	18.0	29.5	27.5	11.3	N/A	2000.0	51.0	5.3	6 High	5 High	1:1	N/A	N/A	N/A	N/A
Fixed Wall	820.4	769.6	457.2	749.3	698.5	287.0	N/A	900.0	23.1	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR3230-25	32.3	30.3	25.0	29.3	27.3	18.3	13.2	2000.0	69.5	8.6	6 High	4 High	1.9:1	11.5	N/A	18.1	N/A
	820.4	769.3	635.0	744.2	693.4	464.8	335.3	900.0	31.5	0.2	N/A	N/A	N/A	292.1	N/A	459.7	N/A
HDR3230-30	32.3	30.3	30.0	29.3	27.3	23.3	18.2	2000.0	73.2	10.9	6 High	4 High	1.7:1	11.5	N/A	18.1	N/A
	820.4	769.3	762.0	744.2	693.4	591.8	462.3	900.0	33.2	0.3	N/A	N/A	N/A	292.1	N/A	459.7	N/A
HDR3230-34	32.3	30.3	34.0	29.3	27.3	27.4	13.2	2000.0	85.5	12.9	6 High	3 High	2.6:1	15.7	N/A	18.1	N/A
	820.4	769.3	863.6	744.2	693.4	619.8	335.3	900.0	38.7	0.4	N/A	N/A	N/A	398.8	N/A	459.7	N/A
HDR3230-39	32.3	30.3	39.0	29.3	27.3	32.4	18.2	2000.0	94.6	15.2	4 High	2 High	2.1:1	15.7	N/A	18.1	N/A
	820.4	769.3	990.6	744.2	693.4	823.0	464.8	900.0	42.9	0.4	N/A	N/A	N/A	398.8	N/A	459.7	N/A
COVER																	
CHDR3230	33.0	31.0	3.8	32.3	30.3	1.7	N/A	N/A	11.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	838.2	787.4	96.5	820.4	769.6	43.2	N/A	N/A	5.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HDRS3230-18	3.4	2.3	10.3	7.1	N/A	210	N/A	300
Fixed Wall	86.4	58.4	261.6	180.3	N/A	N/A	N/A	N/A
HDR3230-25	3.4	2.3	10.3	7.1	336	168	480	240
	86.4	58.4	261.6	180.3	N/A	N/A	N/A	N/A
HDR3230-30	3.4	2.3	10.3	7.1	210	126	300	180
	86.4	58.4	261.6	180.3	N/A	N/A	N/A	N/A
HDR3230-34	3.4	2.3	10.3	7.1	336	126	480	180
	86.4	58.4	261.6	180.3	N/A	N/A	N/A	N/A
HDR3230-39	3.4	2.3	10.3	7.1	210	84	300	120
	86.4	58.4	261.6	180.3	N/A	N/A	N/A	N/A



Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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40" x 48" EXTREME-DUTY BULKPAK

Industrial Equipment | Bearings | Hardware | Food Processing | Plastics and Rubber | Printing

The extreme-duty BulkPak 4048 HDR series was designed for rugged applications. These containers are made of tough, durable high-density polyethylene for long-life performance under the harshest conditions and provides excellent product protection. The access doors have an articulating hinge that allows the open door to lay flat against the side of the container for tighter, safer storage. With weight capacities up to 2,000 pounds, these containers are ideal for all types of industrial, food or beverage applications, as well as for international shipments. This weight assumes an evenly distributed weight load. Fluid loads and Point loads will be subject to a weight load reduction. Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

Consistent tare weight

HDR4048-34

Heavy-duty solid sidewall construction for durability.

BulkPaks are available in recycled coastline plastic waste

Secure stackability maximizes warehouse space without the use of racking.

Fixed wall styles (HDRS models) are available to supports heavy, dense components.

HDR4048-25

Base designed for high impact.

Large access door for interior access.

40" X 48" EXTREME-DUTY BULKPAK

- Heights: 25", 34", 39" and 50"
- Access Doors: 0 or 2 access doors on long side
- Base: Full-plastic stringer with cross strap
- Deck: Solid deck with drain holes
- Sidewalls: Solid sidewalls on all sizes
- Cover: CHDR4048-SF (structural foam molded)

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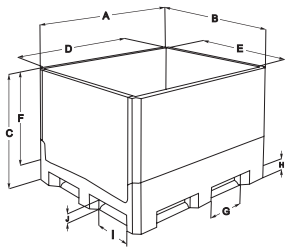
BulkPak 4048 HDR Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
CONTAINERS																	
HDR4048-25	47.2	39.4	25.0	44.0	36.0	19.4	13.5	2000.0	130.7	17.8	6 High	4 High	1.8:1	11.9	N/A	32.9	N/A
	1198.9	1000.7	635.0	1107.4	914.4	492.7	342.9	907.0	59.3	0.5	N/A	N/A	N/A	302.3	N/A	835.7	N/A
HDR4048-34	47.2	39.4	34.3	43.8	36.0	27.6	13.5	2000.0	158.3	25.2	6 High	3 High	2.5:1	16.7	16.7	31.8	31.8
	1198.9	1000.7	871.2	1112.5	914.4	701.0	342.9	907.0	71.6	0.7	N/A	N/A	N/A	424.2	424.2	830.6	807.7
HDR4048-39	47.2	39.4	39.4	43.8	36.0	32.9	13.5	2000.0	170.3	30.0	5 High	2 High	2.9:1	19.5	19.5	31.8	31.8
	1198.9	1000.7	1000.8	1112.5	914.4	835.6	342.9	907.0	76.1	0.9	N/A	N/A	N/A	495.3	495.3	830.6	807.7
HDR4048-50	47.2	39.4	49.9	44.0	36.0	43.4	21.4	1750.0	204.3	39.8	4 High	2 High	2.3:1	20.8	20.8	31.8	31.8
	1198.9	1000.7	1267.4	1107.4	914.4	1102.4	543.6	793.8	91.4	1.1	N/A	N/A	N/A	528.3	528.3	830.6	807.7
COVER																	
CHDR4048	48.1	40.2	2.2	47.6	39.8	1.9	N/A	N/A	23.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1221.7	1021.1	55.9	1209.0	1010.9	48.3	N/A	N/A	10.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HDR4048-25	3.5	3.5	13	11.6	168	84	240	120
	88.9	88.9	330.2	294.6	N/A	N/A	N/A	N/A
HDR4048-34	3.5	3.5	13	11.6	168	63	240	90
	88.9	88.9	330.2	294.6	N/A	N/A	N/A	N/A
HDR4048-39	3.5	3.5	13	11.6	168	42	240	60
	88.9	88.9	330.2	294.6	N/A	N/A	N/A	N/A
HDR4048-50	3.5	3.5	13	11.6	105	42	150	60
	88.9	88.9	330.2	294.6	N/A	N/A	N/A	N/A



Recycle with ORBIS

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Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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48" x 45" HEAVY-DUTY BULKPAK

Automotive Components | Hardware | Industrial Equipment | Metal Parts | Plastics & Rubber | Resins & Powders | Tools

The heavy-duty BulkPak 4845 HDMP series offers 28 positions per 53' truckload creating up to a 20% gain in shipping density. The HDMP reduces inbound freight costs and offers more product per truckload, directly improving our customers' bottom line and overall throughput. The HDMP containers feature non-sequential collapse and multiple identification options. Based on the standard AIAG footprint, these containers are designed and constructed to efficiently move, store and ship automotive, appliance and transportation equipment components. Unitized loads can be delivered directly to the assembly line for immediate part presentation, with no unwrapping or unbanding. These containers are structural-foam molded in high-density polyethylene for durability. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

HDMP4845-34

All traditional 26 position containers are compatible with 28 position containers

HDMP4845-25

BulkPaks are available in recycled coastline plastic waste

48" x 45" HEAVY-DUTY BULKPAK

- 6 Heights: 25", 27", 34", 39", 42" and 50"
- Access Doors: 0 or 2 doors. (Long side 48" only)
- Base: All-plastic perimeter stringer bottom
- Deck: Solid deck with drain holes
- Sidewalls: Corrugated sidewalls
- 1,800 lb. load capacity
- Compatible Cover: CKD4845

Industry leading patented retention clips for easy panel removal. Repair bins faster and safer without the use of tools.

Robust two-piece spring loaded latches support safe handling.

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess plastic bins into other useful product for your next packaging program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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HDMP OPTIMIZES TRAILERS

The heavy-duty BulkPak 4845 HDMP series is designed to fit 84 filled bins per inbound truckload and 252 collapsed bins per return truckload, verses the standard 208 bins per return truckload. The HDMP is compatible with industry 48 x 45 bulk containers, 26 position and 28 position containers. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

HDMP ASSEMBLED:
84 UNITS

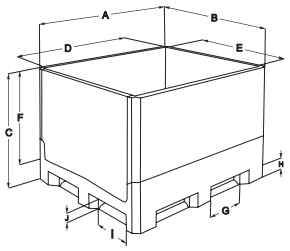
HDMP COLLAPSED:
252 UNITS

BulkPak 4845 HDMP Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings	
														Long Side	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Height	Width
HDMP4845-25	48.0	44.5	25.0	44.6	41.5	18.0	12.4	1,800	108.0	19.2	6	4	2.2	11.6	31.5
	1,219	1,130	635	1,133	1,054	457	315	816	49	0.5	N/A	N/A	2.2	295	800
HDMP4845-27	48.0	44.5	26.5	44.6	41.5	19.5	12.4	1,800	114.0	20.7	6	4	2.2	11.6	31.5
	1,219	1,130	673	1133	1054	495	315	816	52	0.6	N/A	N/A	2.2	295	800
HDMP4845-34	48.0	44.5	34.0	44.6	41.5	27.0	12.4	1,800	134.0	28.7	6	3	2.9	15.4	31.5
	1,219	1,130	864	1,133	1,054	686	315	816	61	0.8	N/A	N/A	2.9	391	800
HDMP4845-39	48.0	44.5	39.0	44.6	41.4	31.9	17.4	1,800	140.0	34.0	4	2	3.0:1	19.0	31.5
	1,219	1,130	990	1,133	1,052	810.26	442	816	64	0.9	N/A	N/A	N/A	483	800
HDMP4845-42	48.0	44.5	42.0	44.6	41.4	34.9	20.4	1,500	149.1	37.2	4	2	2.5:1	20.6	31.5
	1,219	1,130	1067	1,133	1,052	886.5	518	680	68	1.05	N/A	N/A	N/A	523	800
HDMP4845-50	48.0	44.5	50.0	44.6	41.4	42.9	28.4	1,500	167.9	45.7	4	2	1.5:1	21.3	31.5
	1,219	1,130	1270	1,133	1,052	1090	721	680	76	1.3	N/A	N/A	N/A	541	800

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HDMP4845-25	3.4	3.4	10.1	10.1	144	80	252	112
	86	86	257	257	N/A	N/A	N/A	N/A
HDMP4845-27	3.4	3.4	10.1	10.1	114	80	252	112
	86	86	257	257	N/A	N/A	N/A	N/A
HDMP4845-34	3.4	3.4	10.1	10.1	144	60	252	84
	86	86	257	257	N/A	N/A	N/A	N/A
HDMP4845-39	3.4	3.4	10.1	10.1	90	36	168	56
	86	86	257	257	N/A	N/A	N/A	N/A
HDMP4845-42	3.4	3.4	10.1	10.1	72	36	140	56
	86	86	257	257	N/A	N/A	N/A	N/A
HDMP4845-50	3.4	3.4	10.1	10.1	54	36	84	56
	86	86	257	257	N/A	N/A	N/A	N/A



BulkPak 4845 HDMP Cover Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Weight (lb.)
	L (A)	W (B)	H (C)	L (D)	W (E)		
CKD4845 Cover	48.8	45.8	3.0	48.2	45.2	1.5	27.0
	1239.5	1163.3	76.2	1224.3	1148.1	38.1	12.2

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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48" x 45" HEAVY-DUTY & EXTREME-DUTY BULKPAK

Automotive Components | Bearings | Hardware | Industrial Equipment | Metal Parts | Plastics & Rubber | Resins & Powders

The heavy-duty BulkPak 4845 HD and extreme-duty BulkPak HDR Series is used extensively by the automotive industry, as it meets the specifications of the Automotive Industry Action Group (AIAG). The HD4845 heavy-duty containers have a 1,800 lb load capacity and the HDR4845 extreme-duty containers have a 2,000 lb load capacity. This weight assumes an evenly distributed weight load. Fluid loads and Point loads will be subject to a weight load reduction. The HD containers are a 26 position bin and offer all-plastic picture frame bottom and self-standing sidewalls. The HDR containers are a 26 position bin and feature up to four access doors. Based on the standard AIAG footprint, these containers are designed and constructed to efficiently move, store and ship automotive, appliance and transportation equipment components. These containers are structural-foam molded in high-density polyethylene for durability. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

BulkPaks are available in recycled coastline plastic waste

HDR4845

Generous internal capacity for large volumes of parts.

HD4845

HDRS4845-19

Areas on all four sides for identification options.

Durable structural foam molded cover protects contents from dust.

Three non-collapsible containers (HDRS models) available for heavy, dense loads. Available in 3 heights.

HD 48" x 45" HEAVY-DUTY BULKPAK

- 2 heights: 34" and 44"
- Access Doors: 0 or 2 (Door configurations vary by model)
- Base: All-plastic picture frame bottom
- Deck: Solid with drain holes
- Sidewalls: Solid

HDR 48" x 45" EXTREME-DUTY BULKPAK

- 9 heights: 19", 21", 24", 25", 34", 39", 42", 48" and 50"
- Access Doors: 0, 2 or 4 ("V" Shape 45" access door and/or 45" Wing-wall styles are available). Note: 45" doors and/or wing walls not available on the HDR4845-25 or HDR4845-39.
- For the HDR4548-25, 0 or 2 doors available on 48" side only
- Base: All-plastic picture frame bottom
- Deck: Solid with drain holes
- Sidewalls: Solid

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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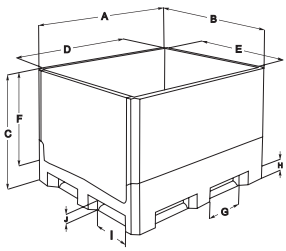
BulkPak 4845 HD/HDR Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
HD CONTAINERS (HEAVY-DUTY)																	
HD4845-34	48.0	45.0	34.0	44.2	41.2	27.5	13.1	1,800	138.0	29.5	6	3	2.6:1	16.0	N/A	29.4	N/A
	1219.2	1143.0	863.6	1122.6	1046.5	698.5	332.7	816.5	62.6	0.8	N/A	N/A	N/A	406.4	N/A	746.8	N/A
HD4845-44	48.0	45.0	44.1	44.2	41.2	37.5	23.1	1,500	171.2	40.3	4	2	1.9:1	16.0	N/A	29.4	N/A
	1219.2	1143.0	1120.1	1122.6	1046.5	952.5	586.7	680.4	77.6	1.1	N/A	N/A	N/A	406.4	N/A	746.8	N/A
HDR CONTAINERS (EXTREME-DUTY)																	
HDRS4845-19	48.0	45.0	19.2	44.5	41.5	12.4	27.1	2,000	104.3	13.3	6	6	1.0:1	N/A	N/A	N/A	N/A
Fixed-Wall	1219.2	1143.0	487.7	1130.3	1054.1	315.0	688.3	907.2	47.3	0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDRS4845-21	48.0	45.0	21.2	44.5	41.5	14.5	29.0	2,000	107.5	15.5	6	6	1.0:1	N/A	N/A	N/A	N/A
Fixed-Wall	1219.2	1143.0	538.5	1130.3	1054.1	368.3	736.6	907.2	48.8	0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDRS4845-24	48.0	45.0	24.9	44.5	41.5	18.2	29.1	2,000	116.7	19.5	6	4	1.0:1	N/A	N/A	N/A	N/A
Fixed-Wall	1219.2	1143.0	632.5	1130.3	1054.1	462.3	739.1	907.2	52.9	0.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR4845-25	48.0	45.0	25.0	44.5	41.5	18.4	13.0	2,000	118.4	19.7	6	4	1.9:1	11.6	N/A	32.1	N/A
	1219.2	1143.0	635.0	1130.3	1054.1	467.4	330.2	907.2	53.7	0.6	N/A	N/A	N/A	294.6	N/A	815.3	N/A
HDR4845-34	48.0	45.0	34.0	44.5	41.5	27.2	13.0	2,000	153.3	29.1	6	3	2.6:1	16.3	15.7	32.1	23.3
	1219.2	1143.0	863.6	1130.3	1054.1	690.9	330.2	907.2	69.5	0.8	N/A	N/A	N/A	414.0	398.8	815.3	591.8
HDR4845-39	48.0	45.0	39.0	44.3	41.3	32.3	18.0	2,000	167.2	34.5	4	2	1.4:1	19.0	15.7	32.1	23.3
	1219.2	1143.0	990.6	1125.2	1049.0	820.4	457.2	907.2	75.8	1.0	N/A	N/A	N/A	482.6	398.8	815.3	591.8
HDR4845-42	48.0	45.0	42.0	44.3	41.3	35.2	21.0	1,700	177.4	37.3	4	2	2.0:1	20.6	15.7	32.1	23.3
	1219.2	1143.0	1066.8	1125.2	1049.0	894.1	533.4	771.1	80.5	1.1	N/A	N/A	N/A	523.2	398.8	815.3	591.8
HDR4845-48	48.0	45.0	48.0	44.3	41.3	41.2	27.0	1,700	192.5	43.4	4	2	1.8:1	21.8	15.2	33.0	25.8
	1219.2	1143.0	1219.2	1125.2	1049.0	1046.5	685.8	771.1	87.3	1.2	N/A	N/A	N/A	553.7	386.1	838.2	655.3
HDR4845-50	48.0	45.0	50.0	44.3	41.3	43.2	29.0	1,700	200.8	46.2	4	2	1.7:1	22.0	15.7	32.1	23.3
	1219.2	1143.0	1270.0	1125.2	1049.0	1097.3	736.6	771.1	91.1	1.3	N/A	N/A	N/A	558.8	398.8	815.3	655.3

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HD CONTAINERS (HEAVY-DUTY)								
HD4845-34	3.5	3.5	9.6	9.6	144	36	208	78
	88.9	88.9	236.2	236.2	N/A	N/A	N/A	N/A
HD4845-44	3.5	3.5	9.6	9.6	72	36	104	52
	88.9	88.9	236.2	236.2	N/A	N/A	N/A	N/A
HDR CONTAINERS (EXTREME-DUTY)								
HDRS4845-19	3.5	3.5	10.2	9.7	N/A	90	N/A	130
Fixed-Wall	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDRS4548-21	3.5	3.5	10.2	9.7	N/A	90	N/A	130
Fixed-Wall	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDRS4548-24	3.5	3.5	10.2	9.7	N/A	72	N/A	104
Fixed-Wall	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-25	3.5	3.5	10.2	9.7	144	72	208	104
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-34	3.5	3.5	10.2	9.7	144	54	208	78
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-39	3.5	3.5	10.2	9.7	54	36	130	52
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-42	3.5	3.5	10.2	9.7	90	36	130	52
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-48	3.5	3.5	10.2	9.7	54	36	104	52
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A
HDR4845-50	3.5	3.5	10.2	9.7	54	36	78	52
	88.9	88.9	259.1	246.4	N/A	N/A	N/A	N/A



BulkPakHD/HDR 4845 Cover Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Weight (lb.)	HD4845 BulkPak Compatibility	HDR4845 BulkPak Compatibility
	L (A)	W (B)	H (C)	L (D)	W (E)				
CHDR4845 Cover	48.9	45.8	3.7	48.2	45.2	1.8	26.8	Fits	Preferred/Fits
	1242.1	1163.3	94.0	1224.3	1148.1	45.7	12.2		
CKD4845 Cover	48.8	45.8	3.0	48.2	45.2	1.5	27.0	Preferred/Fits	Fits
	1239.5	1163.3	76.2	1224.3	1148.1	38.1	12.2		

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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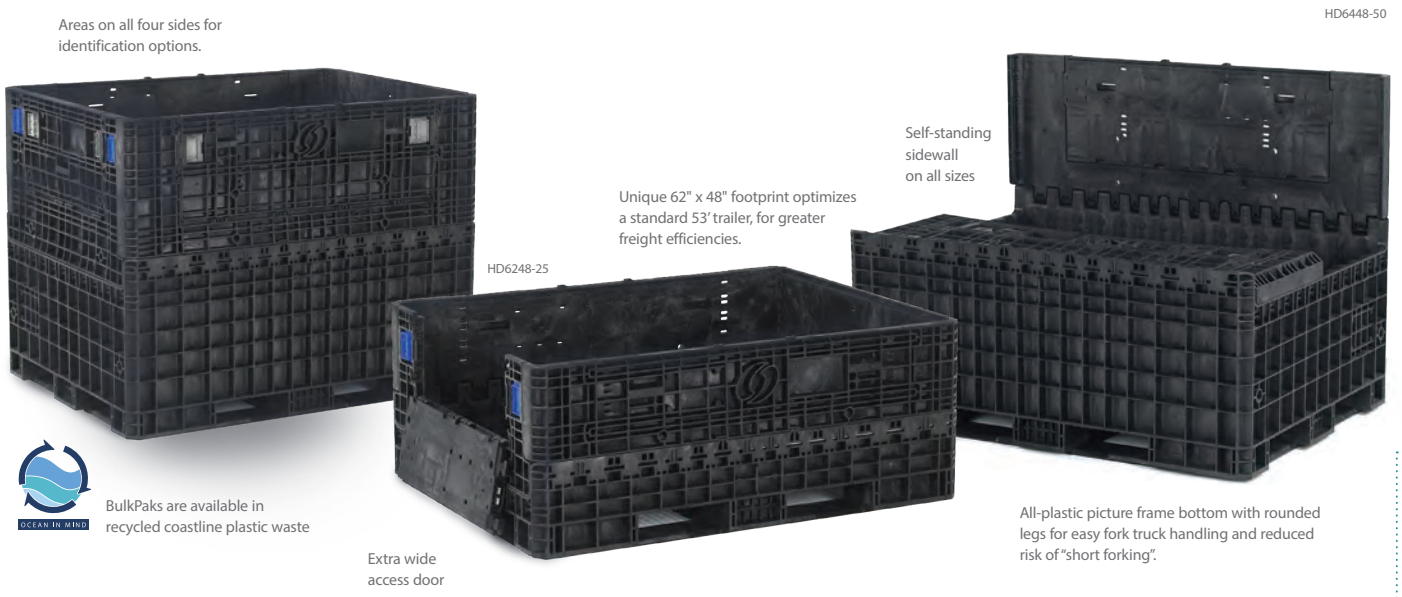
56" x 48", 62" x 48", 64" x 48" & 65" x 48" BULKPAK

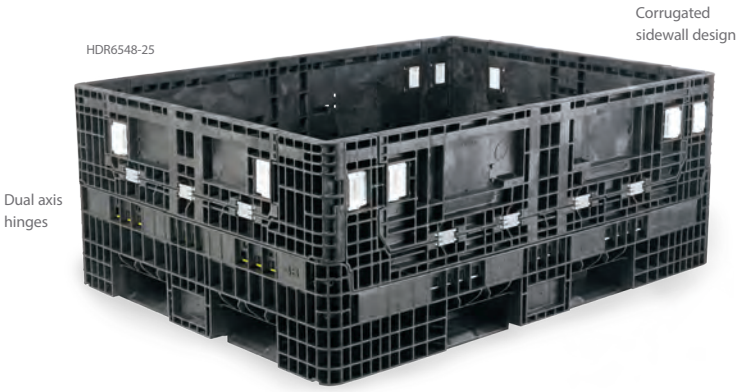
Automotive Components | Bearings | Hardware | Industrial Equipment | Metal Parts | Plastics & Rubber | Resins & Powders

Extended-length containers accommodate long and hard-to-fit components and parts. Choose from a variety of container heights, door styles and door configurations to meet your application needs. The 62" x 48" bulk collapsible container offers the highest cube utilization in the industry today. The heavy-duty BulkPak 6248 HD Series containers are ideal for the storage and transport of long, heavy parts. The BulkPak 6448 HD Series is also available for lengthy, hard-to-fit parts. The HD heavy-duty series have a 1,500 lb load capacity and the HDR extreme-duty series have a 2,000 lb load capacity. These containers are ideal for all types of automotive and industrial applications. This weight assumes an evenly distributed weight load. Fluid loads and Point loads will be subject to a weight load reduction. The all-plastic picture frame bottom reduces the risk of short-forking loads, while offering full recyclability. Self-standing sidewalls make assembly and collapse easy and safe. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)



56 x 48, 62 x 48, 64 x 48 and 65 x 48

- Ideal for the storage and transport of long, heavy parts
- Weight capacities up to 2,000 pounds
- Structural-foam molded in high-density polyethylene
- Four-way fork entry
- Access door configurations:
  - Choice of 0, 2 or 4 doors on 48" side and 2 standard doors on 56" side
  - HD6448-25: No access doors available on long side
  - HD6248-25: No access doors
- Deck configurations:
  - HDR5648 Series: Solid deck with drain holes
  - HDR6248 Series: Ventilated deck only
  - HDR6548 Series: Solid deck with drain holes
- Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)



Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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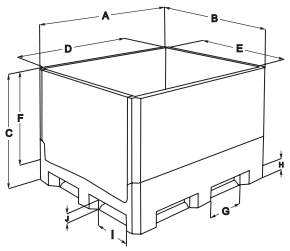
Extended Length BulkPak Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)*	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
HD CONTAINERS																	
HD6248-25	62.5	48.3	25.0	59.1	44.9	18.3	12.8	1,500	176.5	28.4	4 High	4 High	1.9:1	N/A	11.5	N/A	29.4
	1587.5	1226.8	635.0	1501.1	1140.5	464.8	325.1	680.0	80.1	0.8	N/A	N/A	N/A	N/A	292.1	N/A	762.0
HD6248-34	62.5	48.3	34.0	59.1	44.9	27.3	12.8	1,500	213.6	42.2	4 High	3 High	2.6:1	16.0	16.0	45.4	29.4
	1587.5	1226.8	863.6	1501.1	1140.5	693.4	325.1	680.0	96.9	1.2	N/A	N/A	N/A	406.4	406.4	1153.2	762.0
HD6248-50	62.5	48.3	50.0	59.1	44.9	43.3	28.8	1,500	273.8	66.8	4 High	2 High	1.7:1	16.0	16.0	45.4	29.4
	1587.5	1226.8	1270.0	1501.1	1140.5	1099.8	731.5	680.0	124.2	1.9	N/A	N/A	N/A	406.4	406.4	1153.2	762.0
HD6448-25	64.5	48.3	25.0	61.1	44.9	18.5	12.8	1,500	182.3	29.4	4 High	4 High	1.9:1	N/A	11.9	N/A	29.4
	1638.3	1226.8	635.0	1551.9	1140.5	469.9	325.1	680.0	82.7	0.8	N/A	N/A	N/A	N/A	304.8	N/A	746.8
HD6448-34	64.5	48.3	34.0	61.1	44.9	27.5	12.8	1,500	218.7	43.7	4 High	3 High	2.6:1	16.0	16.0	45.4	29.4
	1638.3	1226.8	863.6	1551.9	1140.5	698.5	325.1	680.0	99.2	1.2	N/A	N/A	N/A	406.4	406.4	1153.2	746.8
HD6448-50	64.5	48.3	50.0	61.1	44.9	43.6	28.8	1,500	268.9	69.2	4 High	2 High	1.7:1	16.0	16.0	45.4	29.4
	1638.3	1226.8	1270.0	1551.9	1140.5	1107.4	731.5	680.0	122.0	2.0	N/A	N/A	N/A	406.4	406.4	1153.2	746.8
HDR CONTAINERS																	
HDRS5648-19	56.6	48.0	19.1	53.5	45.0	11.7	N/A	2,000	137.5	16.3	6 High	4 High	1:1	N/A	N/A	N/A	N/A
Fixed-Wall	1437.6	1219.2	485.1	1358.9	1143.0	297.1	N/A	907.0	62.4	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR5648-25	56.6	48.0	25.6	53.5	45.0	17.7	13.7	2,000	170.6	24.7	6 High	4 High	2:1	12.2	9.0	41.0	30.7
	1435.1	1219.2	650.2	1358.9	1143.0	449.6	348.0	907.0	77.4	0.7	N/A	N/A	N/A	309.9	228.6	1041.4	779.8
HDR5648-34	56.6	48.0	34.7	53.5	45.0	26.8	13.7	2,000	203.6	37.3	6 High	3 High	2.6:1	16.5	16.5	41.0	30.7
	1435.1	1219.2	881.4	1358.9	1143.0	680.7	348.0	907.0	92.4	1.0	N/A	N/A	N/A	419.1	419.1	1041.4	779.8
HDR5648-42	56.6	48.0	42.7	53.5	45.0	34.8	22.7	2,000	228.3	48.4	4 High	2 High	2:1	20.2	15.4	41.0	30.7
	1437.6	1219.2	1084.6	1358.9	1143.0	883.9	576.6	907.0	103.5	1.3	N/A	N/A	N/A	513.1	391.2	1041.4	779.8
HDRS6548-19	64.5	48.0	19.7	61.5	45.0	11.7	N/A	2,000	159.7	18.7	5 High	4 High	1:1	N/A	N/A	N/A	30.7
Fixed-Wall	1638.3	1219.2	500.4	1562.1	1143.0	297.1	N/A	907.0	72.4	0.5	N/A	N/A	N/A	N/A	N/A	N/A	779.8
HDR6548-25	64.5	48.0	25.6	61.5	45.0	17.7	13.7	2,000	187.4	28.3	5 High	4 High	1.9:1	12.2	9.0	49.0	30.7
	1638.3	1219.2	650.2	1562.1	1143.0	449.6	348.0	907.0	85.0	0.8	N/A	N/A	N/A	309.9	228.6	1244.6	779.8
HDR6548-34	64.5	48.0	34.7	61.5	45.0	26.7	13.7	2,000	222.9	42.8	5 High	3 High	2.6:1	16.5	16.5	49.0	30.7
	1638.3	1219.2	881.4	1562.1	1143.0	678.2	348.0	907.0	101.1	1.2	N/A	N/A	N/A	411.5	411.5	1244.6	779.8
HDR6548-42	64.5	48.0	42.7	61.5	45.0	34.8	22.7	2,000	250.9	55.6	4 High	2 High	1.9:1	20.2	15.4	49.0	30.7
	1638.3	1219.2	1084.6	1562.1	1143.0	883.9	576.6	907.0	113.8	1.6	N/A	N/A	N/A	513.1	391.2	1244.6	779.8
HDR6548-50	64.5	48.0	50.7	61.5	45.0	42.8	22.7	2,000	269.0	68.4	4 High	2 High	2.3:1	24.4	22.5	49.0	30.7
	1638.3	1219.2	1287.8	1562.1	1143.0	1084.6	576.6	907.0	122.1	1.9	N/A	N/A	N/A	619.8	571.5	1244.6	779.8

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HD CONTAINERS								
HD6248-25	3.5	3.5	12.6	12.6	63	36	160	80
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HD6248-34	3.5	3.5	12.6	12.6	63	27	160	60
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HD6248-50	3.5	3.5	12.6	12.6	27	18	60	40
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HD6448-25	3.5	3.5	12.6	12.6	63	36	144	72
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HD6448-34	3.5	3.5	12.6	12.6	63	18	144	54
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HD6448-50	3.5	3.5	12.6	12.6	27	18	54	36
	88.9	88.9	320.0	320.0	N/A	N/A	N/A	N/A
HDR CONTAINERS								
HDRS5648-19	3.5	3.5	11.1	11.0	N/A	45	N/A	110
Fixed-Wall	88.9	88.9	281.9	279.4	N/A	N/A	N/A	N/A
HDR5648-25	3.5	3.5	11.1	11.0	72	45	176	88
	88.9	88.9	281.9	279.4	N/A	N/A	N/A	N/A
HDR5648-34	3.5	3.5	11.1	11.0	72	27	176	66
	88.9	88.9	281.9	279.4	N/A	N/A	N/A	N/A
HDR5648-42	3.5	3.5	11.1	11.0	36	18	88	44
	88.9	88.9	281.9	279.4	N/A	N/A	N/A	N/A
HDRS6548-19	3.5	3.5	10.9	11.0	45	45	N/A	90
Fixed-Wall	88.9	88.9	276.9	279.4	N/A	N/A	N/A	N/A
HDR6548-25	3.5	3.5	10.9	11.0	72	36	144	72
	88.9	88.9	276.9	279.4	N/A	N/A	N/A	N/A
HDR6548-34	3.5	3.5	10.9	11.0	72	27	144	54
	88.9	88.9	276.9	279.4	N/A	N/A	N/A	N/A
HDR6548-42	3.5	3.5	10.9	11.0	36	18	72	36
	88.9	88.9	276.9	279.4	N/A	N/A	N/A	N/A
HDR6548-50	3.5	3.5	10.9	11.0	36	18	72	36
	88.9	88.9	276.9	279.4	N/A	N/A	N/A	N/A



Available Covers

CHDRT5648	Fabricated cover available
CHDRT6248	Fabricated cover available
CHDRT6448/6548	Fabricated cover available

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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70" x 48" & 78" x 48" EXTREME-DUTY BULKPAK

Automotive Components | Bearings | Hardware | Industrial Equipment | Metal Parts | Plastics & Rubber | Resins & Powders

The BulkPak 7048 HDR Series containers can fit almost any part or component and replaces other forms of packaging such as metal racking that can rust. ORBIS is the only one in the industry to manufacture a 78" x 48" container. All containers can be stacked, without racking, assembled or collapsed. The BulkPak 7848 HDR Series containers were designed to handle extremely long, hard-to-fit parts. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

70 x 48 and 78 x 48 HDR BulkPak

- Ideal for the storage and transport of long, heavy parts
- Structural-foam molded in high-density polyethylene
- Access door configurations
  - HDR7048-25 and HDR7848-25 models feature 2 access doors on 48" side only.
  - 0, 2 or 4 access doors are available on other models
- Deck configuration: Solid deck with drain holes
- Four-way fork entry
- Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

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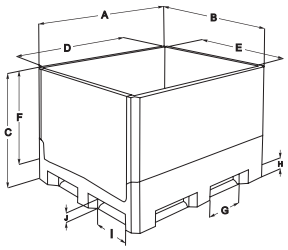
Extreme-Duty BulkPak Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)*	Maximum Loaded Stack		Return Ratio	Access Door Openings			
														Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)						Static	Dynamic		Long Side	Short Side	Long Side	Short Side
HDR CONTAINERS																	
HDR7048-25	70.0	48.5	25.0	66.4	44.5	17.9	13.1	1500.0	161.0	30.6	4 High	4 High	1.9:1	N/A	12.4	N/A	33.0
	1778.0	1231.9	635.0	1686.6	1130.3	454.7	332.7	680.0	73.0	0.9	N/A	N/A	N/A	N/A	315.0	N/A	838.2
HDR7048-34	70.0	48.5	34.0	66.4	44.5	26.7	13.1	1500.0	220.0	45.7	4 High	3 High	2.6:1	16.7	16.8	45.7	33.0
	1778.0	1231.9	863.6	1686.6	1130.3	678.2	332.7	680.0	99.8	1.3	N/A	N/A	N/A	424.2	426.7	1160.8	838.2
HDR7048-50	70.0	48.5	50.0	66.4	44.5	42.9	29.2	1500.0	289.0	73.4	4 High	2 High	1.7:1	16.7	21.8	45.7	33.0
	1778.0	1231.9	1270.0	1686.6	1130.3	1089.7	741.7	680.0	131.2	2.1	N/A	N/A	N/A	424.2	553.7	1160.8	838.2
HDR7848-25	77.6	48.5	25.0	74.1	44.5	17.9	13.0	1500.0	173.0	34.2	4 High	4 High	1.9:1	N/A	12.4	N/A	33.0
	1971.0	1231.9	635.0	1882.1	1130.3	454.7	330.2	680.0	78.5	1.0	N/A	N/A	N/A	N/A	315.0	N/A	838.2
HDR7848-34	77.6	48.5	34.0	74.1	44.5	26.7	13.0	1500.0	234.0	51.0	4 High	3 High	2.6:1	15.6	15.8	46.0	33.0
	1971.0	1231.9	863.6	1882.1	1130.3	678.2	330.2	680.0	106.1	1.4	N/A	N/A	N/A	396.2	401.3	1168.4	838.2

Specifications Cont'd (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Fork Openings				40' Container Quantities (w/o covers)		53' Truckload Quantities (w/o covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HDR7048-25	3.5	3.5	11.9	11.9	72	36	136	68
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
HDR7048-34	3.5	3.5	11.9	11.9	72	27	136	51
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
HDR7048-50	3.5	3.5	11.9	11.9	72	18	51	34
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
HDR7848-25	3.1	3.1	12.0	11.7	72	36	128	64
	78.7	78.7	302.3	297.2	N/A	N/A	N/A	N/A
HDR7848-34	3.1	3.1	12.0	11.7	72	18	128	48
	78.7	78.7	304.8	297.2	N/A	N/A	N/A	N/A



Available Covers

CHDRT7048	Fabricated Cover Available
CHDRT7848	Fabricated Cover Available

BULKPAK SUPPORT

ORBIS offers many services to support our customers and help them get the most out of their reusable bulk packaging solutions.

Contact your ORBIS sales representative for more information regarding:

- BulkPak material handling guidelines
- Application specific capacity ratings and stack height recommendations
- Additional BulkPak product details and specifications
- Training literature for BulkPak maintenance practices

Visit ORBIS Corporation on YouTube for a variety of instructional BulkPak videos: **www.youtube.com/orbiscorp**

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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BULKPAK TUBS

Automotive | Transportation Equipment | Appliance | Industrial Equipment | Electronics | Telecommunications | Furniture | Windows/Doors

ORBIS' BulkPak HDRS series of containers was developed to meet the specific industry need for shorter, sturdier containers with non-collapsible sidewalls and one-piece molded base construction. Designed specifically for applications with high weight, low volume load requirements, these tubs are available in a variety of footprints, from 30"x 16" to 70" x 48". These reusable containers provide a heavy-duty alternative to steel tubs, stillages, wood crates and other alternative packaging systems. Unlike fixed wall steel stillages, ORBIS heavy-duty BulkPak containers stack securely with each other for warehouse space savings. Based on the standard footprints, these containers are designed and constructed to efficiently move, store and ship automotive, appliance and transportation equipment components. These one-piece containers are structural-foam molded in high density polyethylene for durability. Custom ORBIShield protective dunnage is available for all ORBIS BulkPak containers. (See pp. 99-104)

BENEFITS

- No assembly or collapse required
- Stacks securely
- Ideal for high weight, low volume loads
- Consistent tare weight
- All sizes offer 4-way forktruck entry

ADDITIONAL SIZES AVAILABLE

- HDRS4548-19 (pp. 89-90)
- HDRS4548-21 (pp. 89-90)
- HDRS6548-19 (pp. 91-92)

BulkPak Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric)

Model	Outside Dimensions			Inside Dimensions		Product Clearance	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		40' Container Quantities	53' Container Quantities
	L	W	H	L	W					Static	Dynamic		
HDRS3016-19	30.0	16.1	19.2	26.7	13.1	11.0	500.0	29.4	2.2	4 High	2 High	435	702
	762.0	408.9	487.7	678.2	340.4	279.4	226.0	13.3	0.1	N/A	N/A	N/A	N/A
HDRS3230-18	32.3	30.3	18.0	29.5	27.5	11.3	2000.0	51.0	5.3	6 High	5 High	210	300
	820.4	769.6	457.2	749.3	693.4	287.0	907.0	23.1	0.2	N/A	N/A	N/A	N/A
HDRS4845-24	48.0	45.0	24.9	44.5	41.5	18.0	2000.0	116.7	19.2	6 High	4 High	72	104
	1219.2	1143.0	632.5	1130.3	1049.0	457.2	907.0	52.9	0.5	N/A	N/A	N/A	N/A
HDRS5648-19	56.5	48.0	19.1	53.3	45.0	11.7	2000.0	137.5	16.3	6 High	4 High	45	110
	1435.1	1219.2	485.1	1353.8	1353.8	297.2	907.0	62.4	0.5	N/A	N/A	N/A	N/A

* Handle weight capacity: 500 lb. / Handless weight capacity: 1000 lb.

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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BULKPAK COLORS AND OPTIONS

STANDARD COLORS

STRUCTURAL FOAM

ORBIS 9002049
Black
Pantone: Black

ORBIS 9002059
Dark Blue
Pantone: 302M

ORBIS 9002578
Dark Blue FDA
Pantone: 281M

ORBIS 9002832
Blue FDA
Pantone: 294C

ORBIS 9002807
Green
Pantone: 627C

ORBIS 9003740
Green
Pantone: 3292C

ORBIS 9002819
Yellow
Pantone: 7405M

ORBIS 9002813
Orange
Pantone: 151C

OPTIONS

Cardholder

Polyethylene **Cardholders** and quickly snap onto BulkPaks for instant identification. These cardholders, available in a wide variety of sizes to fit on different containers, accommodate removable cards with barcodes and other identification documents.

ID Plate

ID Plates are riveted onto BulkPaks for instant identification. Large plate offers space for identification or shipping instructions.

Label Placard

Label Placards create space on BulkPaks for easy labeling, without the label residue.

Placard Board

Placard Boards create maximum space on BulkPaks for easy labeling, without the label residue.

Dimpled ID Areas

Dimpled ID Areas are available for identification labels and enable easy label removal and no label residue.

BulkPak Covers

BulkPak Covers are available to protect against dust and debris. Multiple styles are available. Please see individual BulkPak pages for compatible covers.

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CUSTOM SOLUTIONS

ORBIS understands that not every packaging application is alike. With creative, innovative, seasoned design professionals who are industry experts, we work to create custom packaging to meet your unique needs.

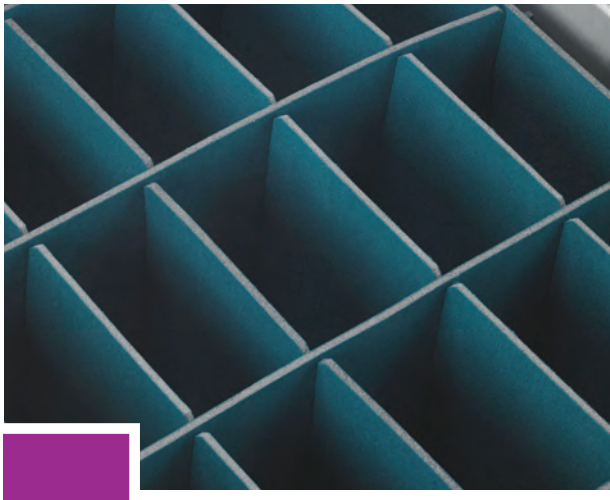
ORBIS' ability to provide highly engineered custom solutions sets ORBIS apart. From custom protective dunnage designed for totes and bulk containers to fabricated steel bag racks to fully fabricated custom products, ORBIS creates solutions to meet a variety of packaging needs.

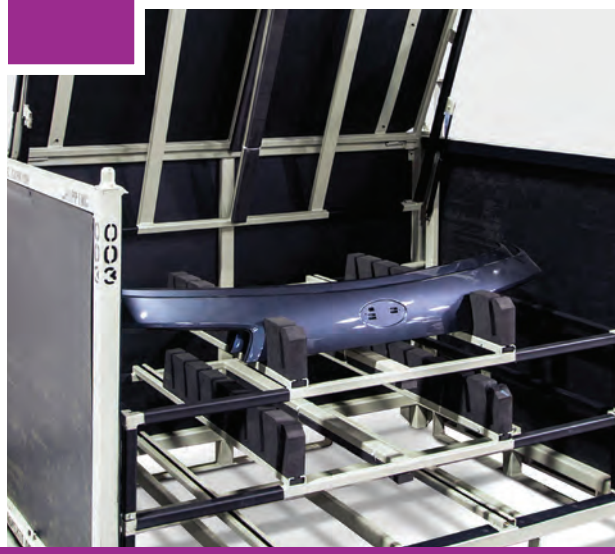
We utilize materials, equipment, processes and expertise to offer a full breadth of unbiased total system solutions. With our leadership in standard packaging, we are able to easily integrate custom packaging with standard packaging, or create a fully custom stand-alone solution.

With our proven 5-step process, our design experts will assess your needs, design a solution and support a seamless integration into your packaging program.

ORBIS custom packaging is designed to:

- Optimize pack density
- Ensure superior part quality
- Protect parts from dust and debris
- Improve part presentation and ergonomic part handling
- Reduce waste associated with expendable packaging
- Minimize production downtime
- Improve storage density
- Support just-in-time inventory management





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CUSTOM SOLUTION DESIGN PROCESS

DESIGN

Using information from the customer, ORBIS designs and presents a solution to the customer. While designing, ORBIS engineers select the best material and manufacturing process to create the most cost-effective solution that offers maximum product protection.

PROTOTYPE

Prototypes are assembled and checked against design drawings to ensure accuracy. Prototype approval allows production to start upon receipt of purchase order.

VALIDATION

ORBIS works directly with customers to make sure all needs are being met. ORBIS can test different solutions and make sure that our customized solution can withstand your business's environment and supply chain.

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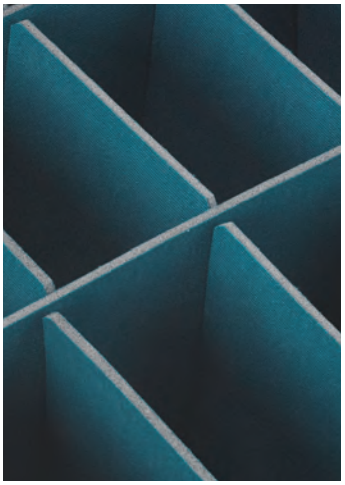
ORBISHIELD CUSTOM DUNNAGE



ORBIS custom interior dunnage protects parts from damage during transport, assembly and storage. Our solutions are custom designed and constructed with durability in mind. Using a variety of processes and materials, ORBIS will provide the level of protection needed for your unique applications. ORBIS manufactures innovative dunnage designs for a wide variety of containers and systems, such as bulk containers, hand-held containers and metal racks.

DUNNAGE DESIGN CONSIDERATIONS:

- Part size
- Part weight
- Weight distribution
- Part orientation
- Part separation
- Class A protection
- Shock sensitivity
- ESD sensitivity
- Pack density
- Production volumes
- Maximum container weight
- Lineside presentation

APPLICATIONS

- Abrasion sensitive parts
- Class-A surfaces
- Trim parts
- Painted components
- Chrome badges

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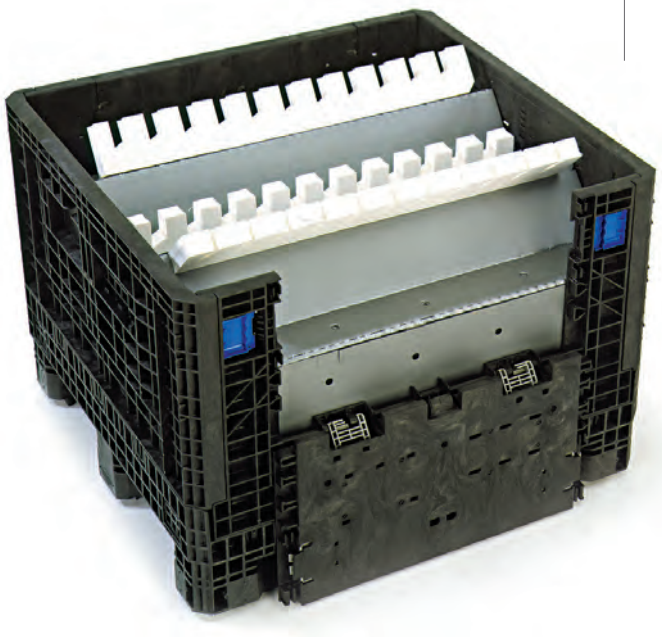
YOUR ONE STOP SHOP

HAND-HELD CONTAINERS

- Small parts, lightweight or trim pieces
- Interior materials
- Class-A protection
- Sensitive parts

METAL RACKS

- Large and difficult parts to handle
- Ideal for exterior components
- Durable construction with Class-A protection



BULKPAK CONTAINERS

- Long-trim parts
- Class-A protection
- Part maximization and part presentation

BENEFITS INCLUDE:

- Improved container load distribution
- Consistent inventory measurements
- Improved warehouse utilization
- Reduced transportation costs
- Reduced down-time on production lines
- Reduced waste
- Reduced packaging costs

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FABRIC MATERIALS

ORBIShield industrial fabric divider sets are used to accommodate oddly shaped or Class-A surface parts. Fabric/textile dunnage is industrial strength and skillfully sewn. The flexibility of the materials offer improved nesting of parts versus rigid dividers. With its ability to protect parts of various sizes, complex geometry, and Class-A surfaces, fabric can be designed for collapsibility to fit in the bottom of containers to condense loads and reduce return freight costs.

CLASS-A PROTECTION

- Brushed Poly
- Evolon
- Headliner
- PolySilk
- Tyvek

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RIGID MATERIALS

With one of the largest textile processing plants in South Carolina and our state-of-the-art sewing facility in Central Mexico, ORBIS specializes in rigid and fabric dunnage. ORBIShield protective dunnage solutions are used to accommodate Class-A surface parts, painted parts, sensitive components and painted trim, headlights, tail lights, mirrors and glass parts. In addition, materials are also used to protect parts from dust and contaminants during transport.

CLASS-A PROTECTION

- Proluxe (3 mm and 5 mm)
- Tyvek Laminate
- Brushed Polyester Laminate
- Spuntex Laminate

ESD SAFE MATERIALS

- EPP
- Plastic Corrugated
- Crosslink Foam
- Thermoforming

HEAVY PARTS

- Lite Foam
- PolyUrea Coating
- HDPE
- Tri-Laminate

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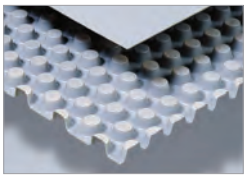
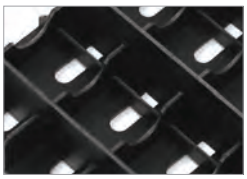
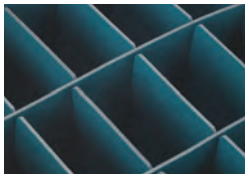
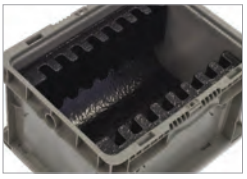
ORBISHIELD MATERIALS

As a leader in protective dunnage, ORBIS continuously seeks out new materials to provide the right level of protection you require for your application. These innovative materials are developed to add value and efficiency to the dunnage design. Using the latest materials, ORBIShield protects valuable parts from damage during transport, assembly and storage.









	Material		Thickness/Density	Standard Colors	Properties and Potential Applications
SHEET	Plastic Corrugated (PC) ♻		2, 3, 4, 5, 6 and 8 mm	Black	- 2-3 mm: Divider sets for lightweight parts. - 4 mm: Divider sets for medium weight parts. - 5-8 mm: Divider sets for heavy weight parts. - Can be laminated for Class-A surface protection. - Ideal for base pads, custom conainters, OPTE Sleeves and BulkPak containers
	Tri-laminated Plastic ♻		4.8mm, 1000g/m² 5.4mm, 1500g/m² 6.2mm, 2500g/m²	Grey	- Strong, lightweight, 100% recyclable polypropylene tri-laminate sheet. - Unique cellular center layer that creates incredible strength for durability. - Ideal for divider sets for heavy parts, custom container manufacturing, and side-loading dunnage as seen in Maximus and steel racks. - Can be laminated for Class-A Surface protection and able to utilize sealed edge technology.
	High Density Polyethylene (HDPE) ♻		.04 - 1.0 in	Black, Natural	- Ideal for divider sets, especially those which require use with washing systems. - Solid plastic sheet that helps maximize cube utilization.
	Surface Protecting Lamination	Tyvek	–	White	- Typically applied to plastic corrugated or other sheet materials for use in divider sets. - Protection for Class-A surfaces and other abrasion sensitive parts. - Laminates can be applied to one or both sides of the substrate sheet.
		Crosslink Foam	4 and 6 lb.	Grey	
		Spuntex	–	Light Blue	
		Brushed Polyester	–	Green	
INDUSTRIAL FABRIC	PVC Fabric ♻		13, 18, 19 and 30 oz.	Grey or Natural	- Fabric divider sets to accommodate oddly-shaped or Class A surface parts. - Lids for hand-held totes to protect parts from dust and contaminants. - Curtains for Maximus containers to protect parts from dust and contaminants.
	PVC Fabric ♻		13, 15, 18 and 30 oz.	Clear	
	PVC Fabric ♻		19, 22 and 30 oz.	Grey/White	
	Tyvek Fabric		4.7 and 6.6 oz.	White	
	Brushed Fabric		11 oz and 15 oz.	Grey	- Brushed Fabric comes in all Brushed Poly or Brushed Poly w/ PVC backing.
	Headliner Fabric		16 oz.	Blue or Grey Poly/ Grey PVC	
	Softshield Fabric		13 oz.	Green	- Fabric divider sets to accommodate oddly shaped or Class-A surface parts. - Protects parts from scratching and marring.
	Proluxe Fabric		3, 5mm	Green	- Flexible foam keeps applications clean by its lint-free composition - Dual sided laminate to accommodate class A parts
	Evolon Fabric		200 g	Grey	- Available upon request. - ESD option available.
	ProPac 500		5 oz.	Grey	- Lightweight material, ideal for indoor use - Class "A" parts, molded plastic parts, vinyl and leather components
	PolySilk Fabric		7 oz	Grey	- Ideal for soft divider sets or hanging bags for lightweight parts. - Ultimate protection for extra delicate components, chrome or piano black painted parts.
OTHER	PolyUrea Coating		Various	Black, Safety Orange	- Flexible, extremely tough, monolithic membrane for protection against moisture, chemicals & acids. - Virtually shave-proof, so it is excellent for sharp parts that are sensitive to shavings from the dunnage. - Ability to coat both dunnage and foam

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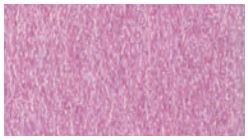
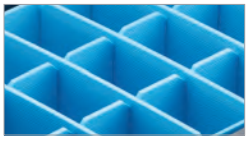
ORBISHIELD MATERIALS

ORBIS incorporates a wide variety of ORBIShield materials to deliver high quality creative dunnage designs. A wide variety of foam, plastic corrugated, fabric and high-density polyethylene materials are available for the manufacture of custom dunnage. While ORBIS promotes the use of its highly successful standard materials program to control costs and shorten lead-times, ORBIS also offers special materials, colors and blank sheet sizes to meet individual needs.





	Material	Thickness/Density	Standard Colors	Properties and Potential Applications
FOAM	Crosslink Polyethylene Foam (XLPE) ♻	2, 4 and 6 lb.	Grey	- Non-abrasive, resilient foam with excellent shock/vibration protection. - Ideal for parts with Class A surfaces and other abrasion sensitive parts. - Cushion packaging, interior dunnage, foam pads, blocking and bracing. - High tear resistance and tensile strength.
	Polyethylene Foam (PE) ♻	2 lb.	White, Black or Charcoal	- Intransitive, resilient foam with excellent shock/vibration protection. - Cushion packaging, interior dunnage, foam pads, blocking and bracing. - High tear resistance and tensile strength.
		4 lb.	White, Black or Charcoal	
		6 lb.	White, Black or Charcoal	- Solid, resilient, abrasive foam with good shock/vibration protection for heavy parts. - Cushion packaging, interior dunnage, foam pads for heavy parts, blocking & bracing. - High tear resistance and tensile strength.
	Anti-Static Polyethylene PE Foam	2 lb. and 4 lb.	Pink	- Ideal for electronics as cushion packaging, interior dunnage or foam pads. - Contains similar properties to traditional PE foams, with the added benefit of having anti-static properties. - Not a standard offering, but available upon request.
	CLA-1	3, 4 and 5 mm	Tan	- Superior protection for Class A surfaces and other abrasion sensitive parts. - Able to create rigid partitions, yet has the flexibility needed to create curved cells for parts with unique geometry. - Ergonomically friendly edges improve worker safety. - The inclusion of EcoPure additive allows CLA-1 to be biodegradable at the end of its service life. - Not a standard offering, but available upon request.
	CLA-2	6 lb.	Green	- Class A part protection for packaging large or complex parts, like spoilers and trim parts. - Used as blocks or braces to create strong dunnage structures for highly sensitive parts. - Composed of closed-cell foam, making it less susceptible to dust, contamination due to static charge and free of fibers and adhesives on its surface. - The inclusion of EcoPure additive allows CLA-2 to be biodegradable at the end of its service life. - Not a standard offering, but available upon request.
	EFB (Expanded Foam Board) Material	3mm 5mm	Green	- As a solid foamed sheet without open flutes to trap water and contaminates the material is ideal for washing system applications. - Ergonomic edges improve workplace safety by protecting workers from sharp edges. - Toughness for repeatable conveyance of heavy parts - Tested and proven to work for certain Class A applications. - Divider sets for hand held and bulk applications.
	EFB-H			
	Lite Foam	1, 2, 3 and 5mm	Blue	- Non-abrasive and ergonomically friendly - Fully recyclable at end of service life - Ideal for lightweight parts, Class-A protection for sensitive or painted parts - Material can add heat lamination with Spuntex
	EPP ♻	1.9, 2.5, 2.8, 3.0, 3.2, 3.75 or 4.2 (lb/ft^3)	Black	- Resilient, lightweight, chemically resistant, recyclable Polypropylene foam that offers ergonomically friendly protection for parts, including those with Class A surfaces. - Applications include Class A surface parts like grilles, fascias, and wiper blade assemblies as well as irregular shaped parts. - Available as container inserts or stand alone totes. - ESD material and additional colors such as White, Yellow, Green, Blue, Orange, and Red are also offered, but are subject to minimum order quantity requirements.

Additional materials, colors and/or thicknesses/densities available upon request. Please follow up with your ORBIS Sales Representative today.
Do the parts you are packaging need extra protection or cushioning? Work with ORBIS Sales Engineers to develop custom protective dunnage.

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METAL RACK SOLUTIONS

ORBIS manufactures metal solutions for material handling and part shipments that require extreme durability, heavy part handling or Class-A surface protection.

Fabric bags are designed in-house to maximize efficient storage and protection for the transport of industrial components and sub-assemblies. With one of the largest textile dunnage manufacturing facilities in North America and in-house steel fabrication, we have the ability to utilize the best dunnage designs, materials and manufacturing processes to create a full solution system to support all packaging needs.

- Long, bulky parts
- Heavy part handling
- Extreme durability
- Rugged environments

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

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METAL RACK SOLUTIONS

We understand the automotive and industrial supply chain and that packaging applications are not all alike. ORBIS custom Metal Solutions are designed and fabricated with durability, long service life and part protection in mind. Vertical integration of metal fabrication and dunnage manufacturing/installation allows ORBIS to be your single source for custom metal packaging solutions. ORBIS Metal Solutions are custom designed, prototyped and fabricated to offer you an integrated solution that is shipped to your location, ready to pack out.

RACK TYPES

- Bag Rack
- Shelf Rack
- Stantion Rack
- Tower Rack
- Cantilever Arm Rack

Truss Style Base

Hanging Bag Dunnage

BASE OPTIONS

- Truss Base
- Low Profile Base
- Walk In Base
- Walk On Base

ORBISHIELD DUNNAGE OPTIONS

- Fabric bags and curtain
- Plastic corrugate dunnage cells
- Crosslink foam
- EPP foam
- Thermoforming

Protective Foam Dunnage

Low-Profile, Walk-In Style Base

Powder coating, or wet paint and plating capabilities available

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MAXIMUS

The side-loading Maximus and collapsible Maximus are ideal for delivering sequenced parts to the line. These containers are a durable, one-piece solution and deliver parts to the line faster than ever.

- Door trim panels
- Center consoles
- Pillar trim
- Spoilers
- Grills
- Wiring harnesses
- Headlamps
- Coils/springs

Recycle with ORBIS

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MAXIMUS FEATURES

The side-loading feature improves efficiency and reduces worker strain. Maximus containers are ideal for long parts used in the automotive, appliance and transportation equipment industries. Maximus containers can reduce labor costs by lowering handling times.

- Flexible, cost-effective design that cut costs and weeks of design and manufacturing lead times
- Offers same load capacity as comparably sized bulk containers, while offering part protection
- Multiple identification options available

HEAVY GAUGE STEEL

Increased durability due to steel thickness.

Top caps or covers available

Structural foam molded base and sidewalls for strength and durability

4-way fork and handtruck entry

OPTIMAL FRAME DESIGN

Maximum interior space with a clean look and finish.

FRAME CURTAIN ATTACHMENT

Heavy-duty Velcro adhesive and mechanical fasteners. Accommodates vinyl curtains and covers to keep parts in and debris out.

ORBIShield fabric dunnage available

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ADJUSTAPAK

ORBIS has optimized some of its unique designs to include a sliding system that is ideal for automotive parts. AdjustaPak is a reusable dunnage system that is comprised of multiple steel rods and hanging fabric dunnage bags, which can be inserted and configured into the standard ORBIS BulkPak containers.

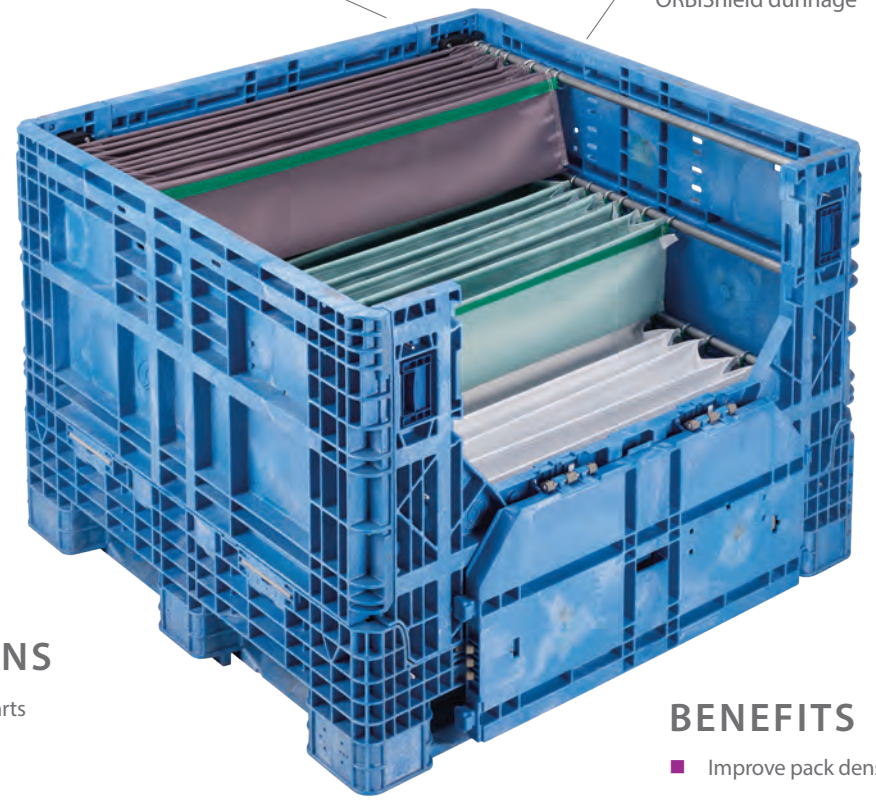
- Superior protection for large parts
- Wide variety of configurations and sizes
- Easy slide technology that is rust resistant

EASY SLIDE TECHNOLOGY

Unique zinc coated steel rods resist rust buildup and allow a smooth slide even after years of use

VARIOUS MATERIALS

Compatible with all standard fabric ORBIShield dunnage



Available in sizes
48″ x 45″ to 78″ x 48″

APPLICATIONS

- Abrasion sensitive parts
- Class-A
- Trim parts

BENEFITS

- Improve pack density
- Hassle-free part presentation
- Protect larger parts
- Ergonomic and safety benefits

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OPTETOTE

The custom, reusable OpteTote system offers the ultimate in-sequence kitting and logistic solutions. Combine collapsible fabric totes with sleevepacks to create efficient unit loads for part and product shipment. Have more flexibility to kit and ship parts to OEMs and have efficient line-side part presentation.

This system can be fully customized and is comprised of:

- Collapsible industrial grade fabric totes that can be configured with divider sets to securely hold and protect parts in transit
- All-plastic, durable sleevepacks hold these customized totes in place, minimizing the need for shrinkwrap
- Plastic mirror image pallets provide a base to create a secure shipping load
- Pallets are interchangable as lids and entire systems are available in a wide variety of footprints to maximize trailer space

Pack at part suppliers and ship to assembly plants

Totes easily collapse and are repacked for replenishment

Different colors may be used for easy visual inventory management

BENEFITS

- Line side sequencing designed for all part volumes
- Fully reusable and returnable, with rapid ROI
- Superior pack density with straight-wall design
- Maximium internal cubic capacity

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THERMOFORMED PACKAGING

ORBIS' thermoforming capabilities help customers optimize pack density and is durable, recyclable and returnable. With one-piece design, thermoformed packaging can be the ideal packaging solution for your material handling system. Using a variety of processes and materials, the advantages of thermoformed packaging include an agile design process, rapid prototyping, fast-tracked tooling and ease of manufacturability.

APPLICATIONS

- Turbo, inlet/outlet tubes
- Coil springs
- Brake controllers
- Air bags
- Door handles
- Transmission actuators

OTHER USES

- Custom pallets
- Custom top caps

MATERIALS

A full range of materials are available for custom thermoformed packaging design. Materials include:

- Anti-static and ESD-safe materials
- High-molecular weight polyethylene (HWMPE)
- Styrene
- Polyethylene terephthalate (PET)
- APET material
- High-density polyethylene (HDPE)

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EPP FOAM PACKAGING

ORBIS' EPP foam dunnage offers superior part protection and is uniquely molded to meet your packaging needs. This lightweight and chemically resistant Expanded Polypropylene (EPP) Foam can be a standalone solution or used as an insert in StakPak hand-held containers, BulkPak 48" x 45" containers and metal solutions.

APPLICATIONS

- **Standalone** - Does not require a plastic tote

  Uses: screens, clusters, mirrors, fuel pumps, trim
- **Insert** - Fits into ORBIS StakPak containers

  Uses: fuel pump, speakers, radios, circuit boards
- **Bin Dunnage** - Fits in standard 48" x 45" BulkPak containers

  Uses: headlights, taillights, side lamps, side glass
- **Rack Dunnage** - Any custom application

BENEFITS

- **Streamlined Molding -** One material and one mold, no assembly or finishing required
- **Custom Molding -** Molding to the profile of your part to fit complex cavity shapes and contours
- **Material -** Extremely durable, lightweight and aesthetically pleasing
- **Reduced Handling Costs -** Less repackaging of components packaged in EPP
- **Sustainability -** Recyclable solutions (ask about recycle requirements)
- **Chemical Resistant and Easy to Clean** - Resistant to most chemicals and washes without negative effects

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CUSTOM BULK CONTAINERS

Automotive | Transportation Equipment | Appliance | Industrial Equipment | Electronics | Telecommunications | Furniture | Windows/Doors

ORBIS fabricates bulk containers to deliver truly unique solutions for the most demanding applications. Add custom features to existing containers for additional functionality. These highly durable custom solutions from ORBIS are cost-effective alternatives to steel or metal transport racks. ORBIS' standard container designs allow for reusability and accommodate a wide variety of dunnage. Also, ORBIS Sales Engineers provide dunnage design capabilities and expertise to provide a fully integrated solution. ORBIS Sales Engineers work directly with customers to analyze their needs and recommend a customized solution to meet the specific requirements of the application.

CUSTOM BULK CONTAINERS

- World class durability provides the strength and weight load capability required for the most rugged applications.
- Can be configured with various drop door, sidewall, closure and cover options.

Increased mobility achieved with caster modifications

Multiple access doors available, including drop doors, barn doors and fully removeable doors.

POPULAR FEATURES

- Cut-N-Weld BulkPak Containers
- Removable walls and access doors
- Dispensing solutions
- Corner and fork entry reinforcement
- Hinged lids
- Fork strap removal

Covers can be customized to meet any customer need.

ID plates and a variety of identification options are available.

129 x 48

Reinforced fork entry pockets support heavy loads.

Recycle with ORBIS

Get circular with ORBIS. When your packaging is at end-of-life, **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess packaging into other useful product for your next program. With ORBIS, we help you close the loop, with zero impact to the solid waste stream.

Performance characteristics are based on uniform static loads and may be affected by distribution of load, handling methods, number and type of access doors and temperatures beyond the range of 0° F to 120° F.

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COLORS AND MATERIALS

Hand-Held Containers | Bulk Containers | Pallets

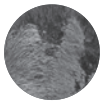
The colors represented are available across product offerings molded in high-density polyethylene (HDPE). Products molded in polypropylene (PP) or other materials may require a different colorant to resemble these colors. Other colors are available upon request and should be discussed with your ORBIS Sales Representative. Minimum order quantities, set-up charges or other special requirements may apply for non-stocked products and/or non-preferred colors.

Orders requiring FDA compliant colorant and material need to be specified at the time of quotation and order to guarantee FDA materials are used in the manufacturing process. Additional UV-protective colorants are available upon request. Please contact your ORBIS Sales Representative for additional information.

Colors are representative only and are not intended to represent finished products, rather preferred colorants that are available. Due to differences in print quality, screen resolution, dye lot variations, etc., the color shown on this guide cannot be guaranteed to match the exact color of the finished product. Manufacturing processes and material additives may affect color of finished product.

STRUCTURAL FOAM

ORBIS 9002049
Black
Pantone: Black



ORBIS 9003106/9002637
Medium Grey FDA UV
(9002637 FDA Only)
Pantone: 424C

ORBIS 9002059
Dark Blue
Pantone: 302M

ORBIS 9002578
Dark Blue FDA
Pantone: 281M

ORBIS 9002832
Blue FDA
Pantone: 294C

ORBIS 9002807
Green
Pantone: 627C

ORBIS 9003740
Green
Pantone: 3292C

ORBIS 9002042
Medium Green FDA
Pantone: 3288C

ORBIS 9002819
Yellow
Pantone: 7405M

ORBIS 9002813
Orange
Pantone: 151C

HIGH PRESSURE

ORBIS 9002049
Black
Pantone: BLACK

ORBIS 9002621
Gunmetal Grey FDA
Pantone: 432M

ORBIS 9002637
Medium Grey FDA
Pantone: 424C

ORBIS 9002308
Light Blue FDA
Pantone: 550C

ORBIS 9002641
Dark Blue FDA
Pantone: 2738M

ORBIS 9002662
Royal Blue FDA
Pantone: 7462M

ORBIS 9003740
Green
Pantone: 3292C

ORBIS 9002631
Medium Green FDA
Pantone: 335C

ORBIS 9003143
Yellow FDA UV
Pantone: 109M

ORBIS 9002685
Orange FDA
Pantone: 166M

ORBIS 9002703
Red FDA
Pantone: 1797C

ORBIS 9002613
Beige FDA
Pantone: 728M

Polyethylene (PE) is well suited for typical manufacturing environments. While PE is resistant to many chemicals, an optional Environmental Stress Crack Resistant (ESCR) polyethylene is available for needed applications. Please visit www.orbiscorporation.com for temperature ranges for this material.

Polypropylene (PP) material is similar to polyethylene and offers excellent chemical resistance. This material's advantages over PE include greater stiffness and elevated use temperature. Translucent or opaque options are also available in some product families. Please visit www.orbiscorporation.com for temperature ranges for this material.

If FDA materials are required, please specify when requesting a quote. These materials have been tested and verified by the FDA and are listed in 21 Code of Federal Regulations.

Products approved by Factory Mutual Research Corporation (FM) as meeting fire rating requirements equivalent to wood pallets. Subject to the conditions of approval of a plastic pallet being equivalent to wood pallets as described in the current edition of the FM Approval Guide.

Containers manufactured in ESD protective materials protect contents from static electricity and electrostatic damage. These materials are designed to absorb the charge and pass it to the ground, bypassing the contents of the containers.

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