ORBIS®

We'll Handle It.

HAND-HELD CONTAINERS

BULKPAK CONTAINERS

CUSTOM

PALLETS

ENVIRONMENTAL

ORBIS®

Sustainable Solutions Reduce | Reuse | Recycle

Welcome to the ORBIS Product Selection Guide.

As leading companies continue to drive sustainability in their business, they scrutinize every point of their supply chain, including the packaging used to move their product.

Reusable plastic containers, pallets, dunnage and bulk systems improve the flow product all along the supply chain, to reduce costs, enhance profitability and add sustainability.

Helping Customers Drive Sustainability

ORBIS helps world-class customers move their product faster, safer and more cost-effectively. Using a proven approach, ORBIS experts analyze their customers' systems, design a solution and execute a reusable packaging program for longer-term cost savings and sustainability. Using life-cycle assessments to compare reusable and single-use packaging, we help our customers reduce their overall environmental impact.

By design, reusable containers and pallets are used over and over during the course of their service life. At the end of their life, they can be recovered, recycled and reprocessed into new packaging products...without entering the solid waste stream.

Sustainability is at our Core

ORBIS is a part of Menasha Corporation, the 3rd oldest family owned business in the United States. As a steward of sustainability, ORBIS is committed to a better world for future generations. We track and measure our own resource utilization to continuously conserve natural resources and reduce waste.

We are passionate about helping our customers drive their sustainability each and every day to improve their business.

ORBIS. Just another way that Green Leads to Green.

800.999.8683 | www.orbiscorporation.com

ORBIS®

We understand plastic reusable packaging better than anyone.

With expertise, analysis, innovation and high-quality products, we create and implement reusable packaging systems that reduce costs and drive supply chain optimization for our customers.

ORBIS Corporation reserves the right to change product specifications without notice. Dimensions in this catalog are approximate and may vary. Performance characteristics vary with application. Please work with your ORBIS Sales Representative to evaluate your operation and planned usage.

To view ORBIS Corporation's Terms and Conditions, please visit www.orbiscorporation.com.

ISO 9001 Certified

Selected facilities are ISO9001 Certified.

Table of Contents

IMPLEMENTATION SERVICES

ORBIS helps world-class customers 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 plastic reusable packaging.

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.

With industry experience and supply chain knowledge, ORBIS experts help design and implement an effective reusable packaging program to meet your requirements. ORBIS Engineering Services experts are available on-site or off-site to seamlessly implement cost-effective reusable packaging programs.

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.

>> 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.

Rely on ORBIS' industry experts to create a product and service program to add system-wide efficiency. In their analysis, they review 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

With this understanding, ORBIS is able to recommend, design and implement an effective packaging solution for sustained cost savings.
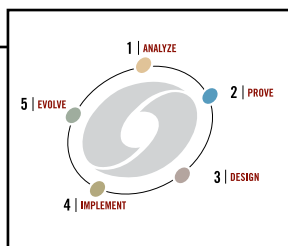
Using our proven approach, ORBIS integrates all aspects of planning to deliver a seamless implementation that meets your financial and operational objectives:

Step 1: ANALYZE
The optimization process begins with a careful analysis to identify the product flow, determine the application and prioritize the packaging objectives (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, the ORBIS products (hand-held containers, bulk containers, plastic pallets, sheets and dunnage) are delivered and seamlessly integrated into your system. ORBIS can oversee the entire implementation to ensure long term success. (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.

REUSABLE PACKAGING MANAGEMENT

To accelerate the return on your packaging investment, ORBIS offers Reusable Packaging Management services. The effective management of your reusable packaging fleet can minimize loss and optimize supply chain efficiency. ORBIS experts work closely with you to identify your needs and develop an asset management system that will provide long-term value at all points in the supply chain.

ORBIS collaborates with customers to design and manage customer-owned reusable packaging fleets to increase inventory velocity, minimize dwell time and eliminate downtime. ORBIS' value-added services include:

>> Container demand planning

>> Container fleet rightsizing

>> Asset tracking

>> Inbound/outbound freight analysis and planning

>> Management of supplier container inventories

>> Cleaning, sorting and repair

ORBIS operates service centers across the United States to support customers' pallet and container programs. In today's complex supply chains, it is critical that your packaging is available when and where you need it. ORBIS specializes in offering the technology, experts, processes and infrastructure to create a sustainable reusable packaging program, so you can focus on your business.

RECYCLE WITH ORBIS

Recycle with ORBIS is a comprehensive program designed to effectively recover, recycle and reprocess plastic material into other useful products.

By design, plastic reusable packaging can be fully recycled into other useful products at the end of its service life. ORBIS is an environmentally conscious company that provides alternatives to the disposal of excess, surplus, damaged or obsolete plastic packaging.

ORBIS recycles polyethylene and polypropylene material. To facilitate the efficient recovery of material, ORBIS can purchase end of life plastic products or provide credit.*

ORBIS accepts plastic material from a wide range of industries:

>> Automotive
>> Grocery/bakery
>> Food processing
>> Beverage
>> Textile

Typical plastic products we recycle include:

>> Crates, containers and trays
>> Pallets and divider sheets
>> Bulk containers

Complete your Recycling Profile today.
Visit the "Recycle with ORBIS" section of www.orbiscorporation.com
or contact your ORBIS sales representative for additional information.

For more information about any of ORBIS' services, please contact your Sales Representative today!

HAND-HELD CONTAINERS

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

Straight-wall containers provide superior cube efficiency to allow more product per container for increased productivity. Their smooth interior walls are ideal for dunnage.

Stack and nest containers are available in several styles to add superior space savings for efficient storage and distribution. ORBIS containers stack when full, either with a bail, cover or when rotated at 180 degrees. When empty, they efficiently nest inside one another for superior savings.

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, 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

>> Easy to clean

>> Greater ergonomics than disposable packaging

STAKPAK SYSTEM

Automotive Components ▪ Bearings ▪ Hardware ▪ Industrial Equipment ▪ Metal Parts ▪ Plastics and Rubber ▪ Resins and Powders

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.

Reinforced external ribbing adds maximum stacking strength.

Continuous bumper to keep dirt and dust from contaminating product.

Drain holes in bumper and handles for washing.

Innovative CrossPak™ design offers secure stacking of mixed container loads.

Compatible with AIAG pallets, top caps and seat belt systems. (See pp. 89-90)

On pallet:
SO4815-7 (grey)
NSO2415-4 (green)
NSO1215-5 (blue)
NSO2415-7 (grey)
NSO1215-4 (green)
NSO2415-14 (blue)

Below:
SO2415-11 on
SO4815-11

On Pallet:
NSO2422-9 (grey)
NSO2422-11(green)
NSO2422-14 (blue)

NSOA1215-7 (grey) on
NSOA2415-11 (green)

NSO2415-4

NSO1215-4 with
CHSO291 cardholder

CHSO491
cardholder

45x48-BR MI
CISF LP pallet

SO4822-7

SO3215-7

Improved ergonomic handle on two sides for easy lifting. Fingertip handles on adjacent sides (7" and taller).

Ventilated (SOV) version available on NSO2422-7 and NSO2422-9.

Smooth, straight interior walls offer maximum cube utilization and easy cleaning.

Smooth Bottom (M)

Textured Bottom (S)

Reinforced Bottom (R)

STAKPAK SYSTEM

StakPak Specifications (Upper Dimensions: English, Lower Dimensions: Metric)																Outside dimensional tolerance of +/- .05".
	Bottom Style			Containers per Layer 45"x 48"	Outside Dimensions			Inside Dimensions (Bottom)				Weight (lb.) +/- 3%		Volume (cu. ft.)		53' Trailer Quantity 50" Unit Loads
Model	Smooth (M)	Textured (S)	Reinforced (R)		L	W	H	L	W	Product Clearance* M/S	R	M/S	R	M/S	R	
CONTAINERS																
NSO1207-5	M			24	12.0	7.4	5.0	9.4	5.5	4.5	-	1.1	-	0.13	-	11,232**
					305	188	127	239	140	114		0.5	-	.004	-	
NSO1215-4	M		R	12	12.0	15.0	4.0	9.4	13.0	3.4	2.9	1.5	2.1	0.25	0.21	6,864**
					305	381	102	239	330	86	74	0.7	1.0	.007	.006	
MSO1215-4	M			12	12.0	15.0	4.0	9.5	12.5	3.1	-	1.6	-	0.26	-	6,864**
					305	381	102	241	317	78	-	0.7	-	.007	-	
NSO1215-5	M		R	12	12.0	15.0	5.0	9.4	13.0	4.4	3.8	1.8	2.2	0.32	0.29	5,616**
					305	381	127	239	330	112	97	0.8	1.0	.009	.008	
NSO1215-7	M		R	12	12.0	15.0	7.5	9.4	13.0	6.8	6.3	2.3	2.8	0.56	.47	3,744
					305	381	191	239	330	173	160	1.0	1.3	.016	.013	
NSO1215-9	M		R	12	12.0	15.0	9.5	9.4	13.0	8.8	8.3	2.5	3.0	0.62	0.62	3,120
					305	381	241	239	330	224	211	1.1	1.4	.018	.018	
NSO1615-7		S		9	16.0	15.0	7.5	13.0	12.9	6.8	-	2.9	-	0.68	-	2,808
					406	381	191	330	328	173	-	1.3	-	.019	-	
NSO1615-9		S		9	16.0	15.0	9.5	13.0	12.9	8.8	-	3.3	-	0.87	-	2,340
					406	381	241	330	328	224	-	1.5	-	.025	-	
SO2411-9		S		8	24.0	11.2	9.5	21.4	9.3	8.7	-	4.3	-	1.03	-	2,080
					610	284	241	544	236	221	-	2.0	-	.029	-	
NSO2415-4	M		R	6	24.0	15.0	4.0	21.4	13.0	3.4	2.9	2.6	3.6	0.56	0.47	3,432**
					610	381	102	544	330	86	74	1.2	1.6	.016	.013	
MSO2415-4			R	6	24.0	15.0	4.0	21.4	13.0	-	2.9	-	3.6	-	.048	3,432**
					610	381	102	544	330	-	74	-	1.6	-	.013	
NSO2415-5	M			6	24.0	15.0	5.0	21.4	13.0	4.4	-	3.0	-	0.72	-	2,808**
					610	381	127	544	330	1124	-	1.4	-	.020	-	
NSO2415-7	M		R	6	24.0	15.0	7.5	21.4	13.0	6.8	6.3	3.6	4.6	1.09	1.01	1,872
					610	381	191	544	330	173	160	1.6	2.1	.031	.029	
NSO2415-9	M		R	6	24.0	15.0	9.5	21.4	13.0	8.8	8.3	4.4	5.0	1.42	1.39	1,560
					610	381	241	544	330	224	211	2.0	2.3	.040	.039	
NSO2415-11.5	M			6	24.0	15.0	11.5	21.4	13.0	10.9	-	5.0	-	1.78	-	1,248
					610	381	292	544	330	277	-	2.3	-	.050	-	
NSO2415-11			R	6	24.0	15.0	11.0	21.4	13.0	-	9.8	-	6.0	-	1.67	1,248
					610	381	279	544	330	-	249	-	2.7	-	.047	
NSO2415-14	M		R (SO)	6	24.0	15.0	14.5	21.4	13.0	13.8	13.3	5.7	8.3	2.20	2.14	936
					610	381	368	544	330	351	338	2.6	3.8	.062	.061	
NSO2422-7	M		R	4	24.0	22.5	7.5	21.4	20.5	6.8	6.3	4.8	6.2	1.78	164	1,248
					610	572	191	544	521	173	160	2.2	2.8	.050	.046	
NSO2422-9	M			4	24.0	22.5	8.7	21.4	20.5	8.1	-	5.3	-	2.06	-	1,040
					610	572	221	544	521	206	-	2.4	-	.058	-	
NSO2422-11	M		R	4	24.0	22.5	10.9	21.4	20.5	10.4	9.8	6.3	7.8	2.64	2.56	832
					610	572	277	544	521	264	249	2.9	3.5	.075	.072	
NSO2422-14	M		R	4	24.0	22.5	14.5	21.4	20.5	13.8	13.3	7.1	8.5	3.50	3.47	624
					610	572	368	544	521	351	338	3.2	3.9	.099	.098	
SO3215-7		S		4	32.0	15.0	7.5	29.4	13.0	6.7	-	5.8	-	1.50	-	1,248
					813	381	191	747	330	170	-	2.6	-	.042	-	
SO4815-7			R	3	48.0	15.0	7.5	45.4	13.0	-	6.3	-	8.3	-	2.30	936
					1,219	381	191	1,153	330	-	160	-	3.8	-	.065	
SO4815-11			R	3	48.0	15.0	10.8	45.4	13.0	-	9.6	-	10.1	-	3.50	624
					1,219	381	274	1,153	330	-	244	-	4.6	-	.099	
SO4822-7			R	2	48.0	22.5	7.3	45.4	20.5	-	6.3	-	9.8	-	3.50	624
					1,219	572	185	1,153	521	-	160	-	4.4	-	.099	

See next page for attached and detached lid options.

* 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.

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

Cut-N-Weld™ containers offer the strength of injection molding and a short lead time, while eliminating the tooling costs associated with a custom order. (See p. 58.)

Optional handholes with or without plastic handle inserts.

Multiple identification options available.

Extended length pallets accommodate ORBIS' Cut-N-Weld™ containers. Available in both 45" and 48" widths. See pp. 91 and 93.

STAKPAK LIDS & OPTIONS

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and Powders

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 representative for more details on placement, orientation, availability, minimum order quantities, lead times and set-up charges. Nominal specifications subject to changes without notice.

Specifications (Upper Dimensions: English, Lower Dimensions: Metric)												Outside dimensional tolerance of +/- .05".	
	Bottom Style			Containers per Layer 45"x 48"	Outside Dimensions			Inside Dimensions (Bottom)			Weight (lb.) +/- 3%	Volume (cu. ft.)	53' Trailer Quantity 50" Unit Loads
Model	Smooth (M)	Textured (S)	Reinforced (R)		L	W	H	L	W	Product Clearance*			
CONTAINERS WITH ATTACHED LIDS													
NSOAN1215-7	M			12	12.0	15.0	7.5	9.4	13.0	6.6	3.0	0.48	3,744
					305	381	191	239	330	168	1.3	.014	
NSOAN1215-9	M			12	12.0	15.0	9.5	9.4	13.0	8.6	3.3	0.62	3,120
					305	381	241	239	330	218	1.5	.018	
NSOA2415-7	M			6	24.0	15.0	7.5	21.4	13.0	6.6	5.2	1.10	1,872
					610	381	191	544	330	168	2.4	.031	
NSOAN2415-9	M			6	24.0	15.0	9.5	21.4	13.0	8.6	5.6	1.43	1,560
					610	381	241	544	330	218	2.5	.040	
NSOAN2415-11.5	M			6	24.0	15.0	11.6	21.4	13.0	10.8	6.5	1.79	1,248
					610	381	295	544	330	274	2.9	.051	
NSOA2415-14	M			6	24.0	15.0	14.6	21.4	13.0	13.8	7.3	2.28	936
					610	381	371	544	330	351	3.3	.065	
SOA2411-9		S		8	24.0	11.2	9.5	21.4	9.3	8.5	5.6	2.26	2,080
					610	284	241	544	236	216	2.5	.064	
NSOA1408-7	M			8 (32 x 30)	14.0	7.5	6.6	11.1	5.5	5.7	2.0	0.23	5,616
					355	191	167	281	139	144	0.9	0.70	
DETACHED LIDS													
RCSO1207-1	-	-	-	-	12.0	7.4	-	-	-	-	0.4	-	-
					305	188	-	-	-	-	0.2	-	-
RCSO1215-1	-	-	-	-	12.0	15.0	-	-	-	-	0.8	-	-
					305	381	-	-	-	-	0.4	-	-
RCSO2415-1	-	-	-	-	24.0	15.0	-	-	-	-	2.1	-	-
					610	381	-	-	-	-	1.0	-	-
RCSO2411-1	-	-	-	-	24.0	11.2	-	-	-	-	1.0	-	-
					610	284	-	-	-	-	0.5	-	-
RCSO2422-1**	-	-	-	-	24.0	22.4	-	-	-	-	2.6	-	-
					610	569	-	-	-	-	1.2	-	-
RCSO3215-1	-	-	-	-	32.0	15.0	-	-	-	-	1.8	-	-
					813	381	-	-	-	-	0.8	-	-

* 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

	Outside Dimensions			Fits Container Heights	Fits Card Size
Model	H	L	Description		
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
CHSO391	3.8	8.5	Polypropylene	5"	4.0 x 8.3
CHSO46	4.6	7.7	Polypropylene	2411-9 (Short Side)	4.0 x 6.0
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	5.0	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

* Patented process #5,625,858 owned by The Kennedy Group

CHSO491

Cardholders are manufactured in polyethylene and 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.

Customized Hot Stamp

Hot Stamp identification is also 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.

Label Placard 4.5 x 6.5*

StakPaks accommodate the **Label Placards**, developed by The Kennedy Group. Completely removable and replaceable, these label placards accommodate all types of labels. They are available in two sizes:

■ 2.0" x 6.5" for 4" StakPaks
■ 4.5" x 6.5" for StakPaks 5" or taller

StakPaks can also accommodate the **Smart Placard™** Radio Frequency Identification (RFID) system, developed by The Kennedy Group. This solution stores information for the 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.

PALLETIZING YOUR STRAIGHT-WALL CONTAINERS

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber

ORBIS StakPak containers are designed to optimize standard 30" x 32", 30" x 36", 32" x 38", 32" x 45" 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.

Compatible Pallets

| Containers	Nestable, Single Deck Pallets					Stackable, Double Deck Pallets				
	30 x 36-B CITS SO LP p. 77	32 x 45 CISS LP p. 78	45 x 48-2 MI CISS p. 89	45 x 48 BR MI CISF LP p. 89	45 x 48 Auto p. 89	32 x 30 CIISF p. 77	32 x 38 HD LP p. 77	45 x 48 PT Pallet p. 90	45 x 48 BR CIISF p. 90	45 x 48 Journey p. 90
StakPak System (pp. 5-8)	12 x 07 12 x 15	16 x 15 32 x 15	All	All	All	14 x 08 16 x 15 32 x 15	12 x 07 12 x 15	All	All	All
Hand Held Folding Containers (pp. 9-10)	HHFC 12 x 15	N/A	All	All	All	N/A	N/A	All	All	N/A

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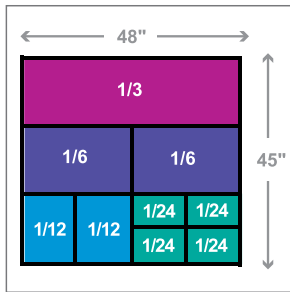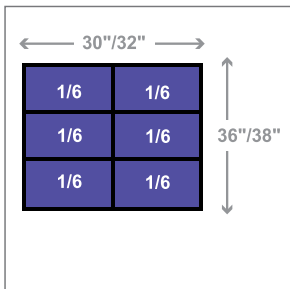

StakPak Containers
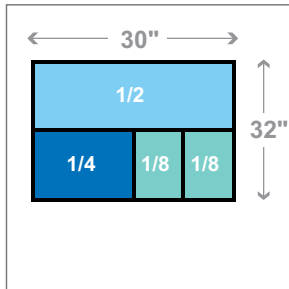48" x 15" (1/3)
24" x 15" (1/6)
12" x 15" (1/12)
12" x 7" (1/24)
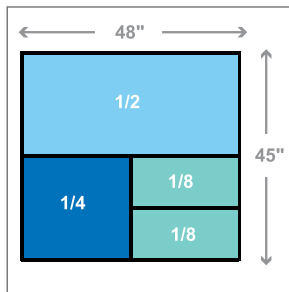
StakPak Containers
48" x 22" (1/2)
24" x 22" (1/4)
24" x 11" (1/8)
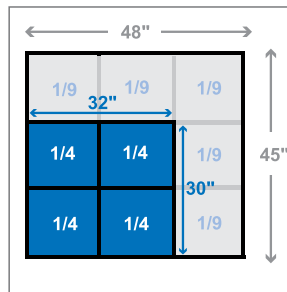
StakPak Containers
16" x 15" (1/4)
on AIAG 30" x 32" footprint
15" x 15" (1/9)
on AIAG 45" x 48" footprint

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

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

STAKPAK SYSTEM

HAND HELD FOLDING CONTAINERS

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and Powders

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.

Vertically modular stack heights allow mixed loads to be shipped on the same 45" x 48" pallet for increased space efficiency and flexibility.

NEW!

NEW 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.

HHFC1215-7

NSO2422-11
on HHFC2422-11

Attached and detached lid versions available.

FC1215-075

FC2415-075
(collapsed)

Molded-in cardholders provide easy access to identification cards. (HHFC models only)
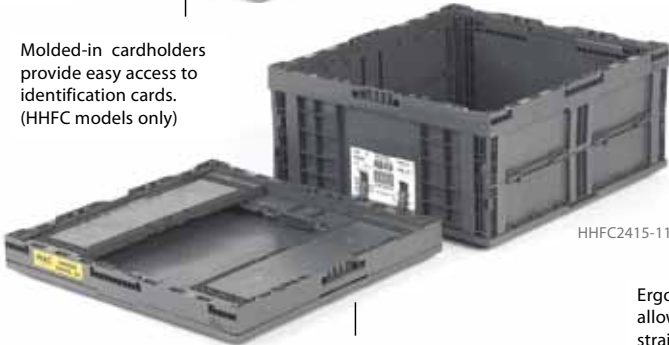
HHFC2415-11

FC2415-111

Collapses to just 3"

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

Knock down ratios as high as 4.7:1 result in lower return freight and warehousing costs.

Need a dunnage solution for your folding container?
Containers with Storage Bottoms are available to safely return dunnage. Consistent inside dimensions at the top and bottom of the containers allow even multiple layer dunnage to be easily installed and removed. Please see pp. 61-64 for more information.

Interested in palletizing these containers? Choose from 6 different ORBIS pallets. See p. 8 for more details.

Hand Held Folding Container Specifications (Upper Dimensions: English, Lower Dimensions: Metric) — Outside dimensional tolerance of +/- .05".

Model	Containers Per Layer 48" x 45" pallet	Outside Dimensions				Inside Dimensions				Weight (lb.) +/- 3%	Volume (cu. ft.)	53' Trailer Qty	
		L	W	Height Assembled	Height Collapsed	L	W	Product Clearance Assembled	Product Clearance Collapsed			Assembled	Collapsed
STRAIGHT-WALL COMPATIBLE FOLDING CONTAINERS													
HHFC1215-7	12	14.95 / 380	11.95 / 304	7.5 / 191	3.0 / 76	13.18 / 335	10.53 / 267	6.92 / 176	- / -	3.1 / 1.4	0.56 / .015	3,744	9,360
HHFC2415-7	6	23.98 / 609	14.98 / 380	7.5 / 191	3.0 / 76	22.19 / 564	13.67 / 347	6.5 / 165	- / -	5.7 / 2.6	1.14 / .031	1,872	4,680
HHFC2415-11	6	23.98 / 609	14.98 / 380	11.0 / 279	3.0 / 76	22.19 / 564	13.67 / 347	10.0 / 254	- / -	6.9 / 3.1	1.76 / .049	1,248	4,680
HHFC2422-7	4	23.98 / 609	22.28 / 566	7.5 / 191	3.0 / 76	22.19 / 564	20.97 / 533	6.5 / 165	- / -	7.5 / 3.4	1.75 / .049	1,248	3,120
HHFC2422-11	4	23.98 / 609	22.28 / 566	11.0 / 279	3.0 / 76	22.19 / 564	20.97 / 533	10.0 / 254	- / -	8.9 / 4.0	2.69 / .074	832	3,120
TRADITIONAL FOLDING CONTAINERS													
FC1215-089	12	15.0 / 381	12.0 / 305	8.9 / 226	3.5 / 89	13.5 / 343	10.6 / 269	8.2 / 208	- / -	4.0 / 1.8	0.70 / .020	3,120	8,112
FC2415-089	6	24.0 / 610	15.0 / 381	8.9 / 226	2.6 / 66	22.5 / 572	13.6 / 345	8.2 / 208	- / -	6.0 / 2.7	1.50 / .042	1,560	5,928
FC2415-147	6	24.0 / 610	15.0 / 381	14.7 / 373	3.5 / 89	22.5 / 572	13.6 / 345	14.0 / 356	- / -	8.3 / 3.8	2.50 / .071	936	4,056
TRADITIONAL FOLDING CONTAINERS - WITH STORAGE BOTTOMS													
FC2415-111-4	6	24.0 / 610	15.0 / 381	11.1 / 282	6.2 / 157	22.5 / 572	13.6 / 345	10.4 / 264	3.6 / 91	7.0 / 3.2	1.8 / .051	1,248	2,184
FC2415-125-4	6	24.0 / 610	15.0 / 381	12.5 / 318	6.2 / 157	22.5 / 572	13.6 / 345	11.8 / 300	3.6 / 91	7.8 / 3.5	2.0 / .057	936	2,184
FC2415-147-4	6	24.0 / 610	15.0 / 381	14.7 / 373	6.2 / 157	22.5 / 572	13.6 / 345	14.0 / 356	3.6 / 91	8.5 / 3.9	2.5 / .071	936	2,184
FC2415-183-4	6	24.0 / 610	15.0 / 381	18.3 / 465	7.1 / 180	22.5 / 572	13.6 / 345	17.6 / 447	3.6 / 91	10.0 / 4.5	3.1 / .088	624	1,872
FC2415-147-7	6	24.0 / 610	15.0 / 381	14.7 / 373	9.8 / 249	22.2 / 564	13.3 / 338	14.0 / 356	7.0 / 178	8.4 / 3.8	2.5 / .071	936	1,248
FC2415-161-7	6	24.0 / 610	15.0 / 381	16.1 / 409	9.8 / 249	22.2 / 564	13.3 / 338	15.4 / 391	7.0 / 178	9.1 / 4.1	2.7 / .076	624	1,248
FC2415-183-7	6	24.0 / 610	15.0 / 381	18.3 / 465	9.8 / 249	22.2 / 564	13.3 / 338	17.6 / 447	7.0 / 178	9.8 / 4.4	3.1 / .088	624	1,248
FC2415-219-7	6	24.0 / 610	15.0 / 381	21.9 / 556	10.7 / 272	22.2 / 564	13.3 / 338	21.2 / 538	7.0 / 178	12.9 / 5.9	3.8 / .108	624	936
TRADITIONAL FOLDING CONTAINERS - ATTACHED LID													
FA1215-089	12	15.0 / 381	12.0 / 305	8.9 / 226	3.5 / 89	13.5 / 343	10.6 / 269	8.2 / 208	- / -	4.8 / 2.2	0.70 / .020	3,120	8,112
FA2415-077	6	24.0 / 610	15.0 / 381	7.7 / 196	2.8 / 71	22.5 / 572	13.6 / 345	6.7 / 170	- / -	6.8 / 3.1	1.20 / .034	1,872	5,928
FA2415-092	6	24.0 / 610	15.0 / 381	9.2 / 234	2.8 / 71	22.5 / 572	13.6 / 345	8.2 / 208	- / -	7.5 / 3.4	1.60 / .045	1,560	5,928
FA2415-113	6	24.0 / 610	15.0 / 381	11.3 / 287	2.8 / 71	22.5 / 572	13.6 / 345	10.3 / 262	- / -	8.2 / 3.7	1.80 / .051	1,248	5,928
FA2415-147	6	24.0 / 610	15.0 / 381	14.7 / 373	3.5 / 89	22.5 / 572	13.6 / 345	13.7 / 348	- / -	9.8 / 4.4	2.50 / .071	936	4,056
FA2415-113-4	6	24.0 / 610	15.0 / 381	11.3 / 287	6.4 / 163	22.5 / 572	13.6 / 345	10.3 / 262	3.6 / 91	8.5 / 3.9	1.8 / .051	1,248	2,184
FA2415-127-4	6	24.0 / 610	15.0 / 381	12.7 / 323	6.4 / 163	22.5 / 572	13.6 / 345	11.7 / 297	3.6 / 91	9.3 / 4.2	2.1 / .059	936	2,184
FA2415-149-4	6	24.0 / 610	15.0 / 381	14.9 / 378	6.4 / 163	22.5 / 572	13.6 / 345	13.9 / 353	3.6 / 91	10.0 / 4.5	2.5 / .071	936	2,184
FA2415-183-4	6	24.0 / 610	15.0 / 381	18.3 / 465	7.1 / 180	22.5 / 572	13.6 / 345	17.3 / 439	3.6 / 91	11.5 / 5.2	3.1 / .088	624	1,872
FA2415-149-7	6	24.0 / 610	15.0 / 381	14.9 / 378	10.0 / 254	22.2 / 564	13.3 / 338	13.9 / 353	7.0 / 178	9.9 / 4.5	2.5 / .071	936	1,248
FA2415-163-7	6	24.0 / 610	15.0 / 381	16.3 / 414	10.0 / 254	22.2 / 564	13.3 / 338	15.3 / 389	7.0 / 178	10.6 / 4.8	2.7 / .076	624	1,248
FA2415-185-7	6	24.0 / 610	15.0 / 381	18.5 / 470	10.0 / 254	22.2 / 564	13.3 / 338	17.5 / 445	7.0 / 178	11.3 / 5.1	3.1 / .088	624	1,248
FA2415-219-7	6	24.0 / 610	15.0 / 381	21.9 / 556	10.7 / 272	22.2 / 564	13.3 / 338	20.9 / 531	7.0 / 178	14.4 / 6.5	3.7 / .105	624	936
DETACHED COVER ** (not compatible with HHFC models)													
CFC2415	-	24.0 / 610	15.0 / 381	- / -	- / -	- / -	- / -	- / -	- / -	1.1 / 0.5	- / -	-	-

* When containers are stacked on top of each other, approximately 0.3" is lost due to nesting. Example: Bottom container in a stack is 7.5" in total assembled height. Containers of the same height stacked on top of each other are 7.2" in height.

** Not compatible with HHFC models.

40 X 48 ELPAK SYSTEM

Automotive Components ■ Food processing ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Food distribution ■ Electronics

This vertically modular system of stack-only and basket tray containers, top caps and dollies is standardized on the 40" x 48" pallet footprint. Applications include food processing, value-added food distribution, general manufacturing, work-in-process handling, and mechanical parts washing.

ESO2420-7

ESO2420-5
ESOH2420-5
ESO2420-5

EBT2420-9
on
ESO2420-9

See www.orbiscorporation.com for additional details including:

> Additional 24" x 16" and 24" x 20" sizes
> Attached-lid or detached-lid versions
> Hopper styles
> Basket trays

EBTH2416-5 and
ESO2416-7 on
DGS6040 (dolly).

See p. 14 for dolly information.

Recommended pallet 40x48-B GMA CISF LPD (p. 86)

ESO2420-4

Rigid, straight walls for cube efficiency and positive stacking.

ESO2416-7 with ECD2416 cover

Solid or ventilated sides and solid, vented, or drain hole bottom available for maximum flexibility.

4048 ElPak™ System Specifications All dimensions in English, unless specified.   Outside dimensional tolerance of +/- .05".

Model	Containers Per Layer on a GMA 40"x 48" pallet	Outside Top Dimensions		Inside Bottom Dimensions		Total Container Height	Product Clearance		Weight (lb.)	Volume (cu. ft.)	Truckload Quantity 53' Trailer **
		L	W	L	W		With Cover	Without Cover			
CONTAINERS (optional detached cover available)											
ESO2416-5*	5	23.6	15.7	21.1	13.5	5.8	4.6	5.0	4.0	0.8	2,080
ESO2416-9*	5	23.6	15.7	21.1	13.5	9.0	7.8	8.2	4.9	1.4	1,560
ESO2420-4*	4	23.6	19.7	21.2	17.4	4.7	3.5	3.9	4.3	0.8	2,400

* Containers available in ESD-protective material.   **Estimated Truckload Quantities, please contact your ORBIS Sales Representative for more information.

AUTOMATED SYSTEMS TOTES (ASTs)

AST3220-12

COL2420-3 collar

24" x 20" containers compatible with 40 x 48 MI CISS LP pallet (p. 80)

AST2420-6NQ

AST2420-8AQ

AST2420-10BQ

See www.orbiscorporation.com for additional details about collars, covers and compatible pallets.

Automated System Totes (AST) are compatible with computer-assisted storage, retrieval, and parts tracking systems. These totes are ideal for automated or manual material handling and picking systems, carousels, mini-loads, tote stackers and AGVs. Multiple identification options available. Bumper and upper rim prevents shingling on conveyor systems, minimizing part damage and maximizing container flow and throughput.

Specifications

Model	Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Container Weight (lb.)	Volume (cu. ft.)	Hand Grip		Truckload Quantities 53' Trailer
	Top		Bottom		Top		Bottom						Closed	Open	
	L	W	L	W	L	W	L	W							
AUTOMATED SYSTEMS TOTES															
AST2416-2.5*	23.8	15.8	24.0	16.0	22.5	14.5	22.3	14.3	2.5	2.0	2.2	0.4	N/A	N/A	4,032
AST2416-8[1]	23.8	15.8	24.0	16.0	22.5	14.5	22.3	14.3	8.0	7.5	4.7	1.4	Available	Available	1,400
AST2420-2.5	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	2.5	2.0	2.4	0.6	N/A	N/A	3,024
AST2420-4[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	4.0	3.5	3.8	0.9	Available	N/A	2,240
AST2420-6[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	6.0	5.5	5.0	1.3	Available	Available	1,456
AST2420-7[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	7.0	6.5	5.7	1.6	Available	Available	1,344
AST2420-8[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	8.0	7.5	6.1	1.8	Available	Available	1,120
AST2420-10[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	10.0	9.5	6.7	2.3	Available	Available	896
AST2420-12[2]	23.8	19.8	24.0	20.0	22.5	18.5	22.3	18.3	12.0	11.5	7.8	2.7	Available	Available	784
AST3220-12[2]	31.7	19.7	32.0	20.0	30.6	18.6	30.1	18.1	12.0	11.5	7.5	3.8	N/A	Available	392

[1] Dividers available: DAST1680 (short) and DAST2480 (long). Pre-installed   dividers are not removable.
[2] Custom designed plastic corrugated available designed upon request
* Due to the container height, there is no cover available for the AST2416-2.5.

ELPAK & AUTOMATED SYSTEMS TOTES
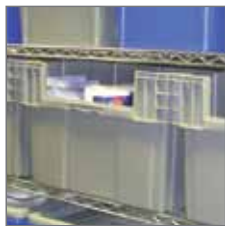
CONTAINERS FOR AUTOMATED SYSTEMS

Consumer Packaged Goods ■ Health and Beauty Care ■ Pharmaceutical ■ General Merchandise ■ Automotive ■ DVD/Audio

ORBIS offers a family of containers for use in today's mini-load systems to cost-efficiently standardize unit loads. ORBIS' all-plastic containers are designed for minimal deflection and will work with a variety of insertion and extraction equipment. ORBIS automation compatible containers are available in a variety of sizes and styles to meet all application needs.

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

NOH2416-12

Molded-in channel for easy door insertion.

High cubic capacity.

ML6040-30

NOH2821-14

Contoured handles offer easy handling.

Recessed label areas

Additional automation compatible containers are available. See p. 11 for ORBIS' AST Containers.

ML6040-20

Specifications All dimensions in inches unless specified.

Model		Outside Dimensions				Inside Dimensions				Total Container Height	Product Clearance	Weight (lb.)	Nest Ratio	Truckload Quantity 53' trailer
		Top		Bottom		Top		Bottom						
		L	W	L	W	L	W	L	W					
MINI-LOAD CONTAINERS														
ML6040-20	Welded/Open Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	7.8	7.00*	5.9	1:1	1,800
		599	401	599	401	568	373	558	363	197	178	2.6		
	Welded/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	7.8	7.00*	6.0	1:1	1,800
		599	401	599	401	568	373	558	363	197	178	2.7		
	Smooth/Open Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	7.8	7.64*	4.2	1:1	1,800
		599	401	599	401	568	373	558	363	197	194	1.9		
	Smooth/Closed Handle	23.6	15.8	23.6	15.8	22.4	14.7	22.0	14.3	7.8	7.64*	4.3	1:1	1,800
		599	401	599	401	568	373	558	363	197	194	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	1:1	1,200
		599	401	599	401	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	1:1	1,200
		599	401	599	401	568	373	558	363	300	281	3.2		
HOPPER CONTAINERS														
NOH2416-12		23.6	15.8	20.8	13.8	21.5	14.5	20.2	13.2	12.6	11.6	4.9	3:1	3,120
		599	401	528	351	546	368	513	335	317	294	4.9		
NOH2821-14		27.9	20.6	25.7	18.7	26.0	19.0	24.9	17.9	13.8	12.8	7.7	3:1	1,350
		709	523	653	475	660	483	633	455	351	326	196		

* Applies to containers not stacked on each other. When containers are stacked on top of each other, approximately .63" is lost due to nesting.
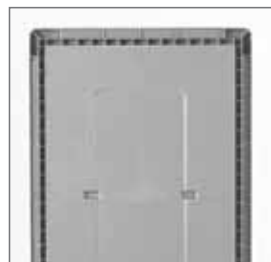
ML Container Welded/Smooth Bottom

ML Container Reinforced Bottom

ML Container Smooth Bottom

CONTAINERS FOR AUTOMATION

4048 STACK-N-NEST CONTAINER SYSTEM

Industrial Components ■ Produce ■ Consumer Packaged Goods ■ Metal Parts ■ Bakery Items ■ Snack Goods ■ Meat/Poultry

The 4048 Stack-N-Nest System is an integrated system of 18o° stack and nest containers, pallets, top caps, and dollies. Specific uses include food processing, general manufacturing, work-in-process handling, general merchandise distribution, food distribution, agricultural harvesting, and mechanical parts washing.

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Attached or detached lids make these containers ideally suited for most applications.

GA6050-27

GS6040-27

Recommended top cap: 40x48 GMA TOPCAP C. (See p. 95.)

GS6050-18

GS6050-27

GS6050-27

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

GS6050-36

Recessed and textured identification and label areas are located on the sides, ends and cover of the container. Please see p. 18 for identification options.

Recommended pallet is the 40x48-B GMA CISF LPI. (See p. 82.)

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

DGS6040 (dolly)

>> GSX6040-27 and GAX6040-27 containers feature a cross-stack and interlock bottom for a self-secured stack.

>> The 6050 Series has a reinforced bottom for heavy weight loads, and a patented all-plastic attached-lid hinge element to make the container 100% recyclable and rust-free.

>> All containers available with smooth bottom for easy cleaning, or textured bottom for conveyor system use.

>> ESD protective materials available upon request.

4048 STACK-N-NEST

4048 Stack-N-Nest System Specifications *All dimensions in inches unless specified.*

Model	Containers Per Layer on a GMA 48"x 40" pallet	Outside Top Dimensions L	Outside Top Dimensions W	Inside Bottom Dimensions L	Inside Bottom Dimensions W	Total Container Height	Product Clearance w/ Cover	Product Clearance w/o Cover	Weight (lb.)	Volume (cu. ft.)	Nest Ratio	Truckload Quantity 53'Trailer
CONTAINERS												
GS6040-13	5	23.6	15.8	19.3	13.4	5.3	5.2	4.4	2.8	0.8	3.0:1	7,200*
GS6040-18	5	23.6	15.8	19.3	13.4	7.1	7.0	6.2	3.2	1.0	3.0:1	5,400
GS6040-22	5	23.6	15.8	19.3	13.4	8.5	8.4	7.6	3.6	1.3	3.0:1	3,750
GS6040-27	5	23.6	15.8	19.3	13.4	10.7	10.6	9.8	4.2	1.6	3.0:1	3,900
GS6040-36	5	23.6	15.8	19.3	13.4	14.3	13.2	13.0	5.2	2.1	3.0:1	2,100
GS6050-18	4	23.6	19.7	18.2	16.8	7.6	6.8	6.8	4.0	1.2	3.4:1	5,520
GS6050-27	4	23.6	19.7	18.2	16.8	11.2	10.2	10.2	4.9	1.8	4.0:1	3,600
GS6050-36**	4	23.6	19.7	18.2	16.8	14.8	13.9	13.9	5.8	2.5	4.0:1	2,640*
REINFORCED BOTTOM CONTAINERS												
GSX6040-27	5	23.6	15.8	19.3	13.4	11.3	10.0	10.6	4.9	1.6	3.0:1	3,900
GS6050-18	4	23.6	19.7	18.2	16.8	7.6	6.5	6.5	4.8	1.1	3.4:1	5,520
GS6050-27	4	23.6	19.7	18.2	16.8	11.2	9.9	9.9	5.6	1.8	4.0:1	3,600
GS6050-36**	4	23.6	19.7	18.2	16.8	14.8	13.6	13.6	6.5	2.4	4.0:1	2,640
COVERS												
CGS6040	N/A	24.0	16.1	N/A	N/A	1.3	N/A	N/A	1.8	N/A	1.0:1	N/A
CGS6050	N/A	24.0	20.0	N/A	N/A	0.9	N/A	N/A	1.9	N/A	1.0:1	N/A
ATTACHED LID CONTAINERS												
GA6040-22	5	23.6	15.8	19.2	13.4	9.2	8.1	N/A	5.6	1.2	3.0:1	4,800
GA6040-27	5	23.6	15.8	19.2	13.4	11.3	10.2	N/A	5.9	1.5	3.0:1	2,688*
GA6040-36	5	23.6	15.8	19.2	13.4	14.9	13.8	N/A	6.8	2.0	3.0:1	2,100*
GA6050-27	4	23.6	19.7	18.2	16.8	11.2	10.2	N/A	7.1	1.8	4.0:1	2,640*
GA6050-36**	4	23.6	19.7	18.2	16.8	14.8	13.9	N/A	8.0	2.5	4.0:1	2,160*
REINFORCED BOTTOM, ATTACHED LID CONTAINERS												
GAX6040-27	5	23.6	15.8	19.3	13.4	11.9	10.2	N/A	6.8	1.5	3.0:1	2,688
GA6050-27	4	23.6	19.7	18.2	16.8	11.2	9.9	N/A	7.7	1.8	4.0:1	2,640
GA6050-36**	4	23.6	19.7	18.2	16.8	14.8	13.6	N/A	8.6	2.4	4.0:1	2,160

* Estimated truckload quantity, please contact ORBIS for specific information.
** Not available with ventilated sidewalls.

Dolly Specifications *All dimensions in inches unless specified.*

Model	Outside L	Outside W	Inside L	Inside W	Height w/out Casters	Weight (lb.) w/ Casters	Caster Sizes	Caster Style	Maximum Load per Dolly (lb.)
DGS6040	24.0	16.0	21.8	13.9	3.0	12.0	3" or 4"	2 swivel & 2 rigid	650
DGS6050	23.6	19.7	21.3	17.3	3.1	17.3	3" or 4"	2 swivel & 2 rigid	650
DGS60100	39.0	23.3	37.0	21.3	3.1	21.3	3" or 4"	3 swivel & 2 rigid	650

Ventilation Options (Unless otherwise noted.)

Containers	Long Side	Short Side	Bottom
6040 Containers	X		X
6050 Containers	X	X	X

Compatible Pallets

Containers	Nestable, Single Deck Pallets 40 x 48-B GMA CISF LPD p. 82	40 x 48-B GMA CISF LPI p. 82	40 x 48 CISC SBRR p. 83	40 x 48 CISC LPD* p. 83	40 x 48 CISC LPI p. 83	Topcap 40 x 48 GMA Top Cap C p. 95
40 x 48 Stack-N-Nest	24 x 16 / 24 x 20	24 x 16 / 24 x 20	24 x 16 / 24 x 20	24 x 16 / 24 x 20	24 x 16 / 24 x 20	24 x 16 / 24 x 20

Compatibility also applies to SBRR (seat belt) versions of pallets, except the 40 x 48 CISC LPD.
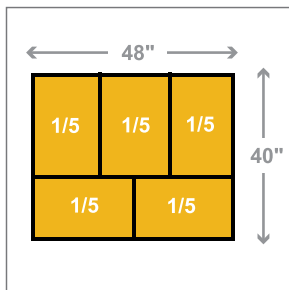
24" x 16" (1/5)
6040 Containers
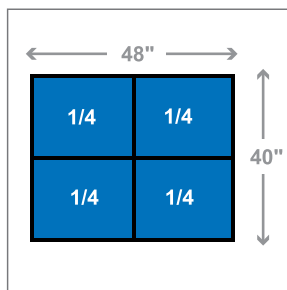
24" x 20" (1/4)
6050 Containers

Interested in labeling or adding identification to your containers? Please see page 18 for identification options.

FLIPAK® CONTAINERS

Healthy and Beauty Care ■ Pharmaceuticals ■ Periodicals ■ Apparel ■ Automotive Aftermarket ■ Hardware

The FliPak family offers more than 20 container 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.

Reusable for over 250 trips, FliPak containers provide an excellent return on investment. Applications include health and beauty aides, pharmaceuticals, general merchandise, soft goods, fasteners, jewelry, office products, tapes and CD's, automotive parts, tobacco product and packaged grocery items. Multiple accessories and identification options are available, such as hot stamping, card holders, placards and dollies.

Mix loads of half-sized containers for distribution efficiency. (ie FP03 on FP075)

More than 20 sizes available

Quick-release label area on attached hinged cover and ends for easy reading and quick label exchange.

Narrow lid profile, textured bottom and optional snap (on selected totes), allow for easy conveyability.

FP03 on the FP075

FP171

FP243

FP261

Dollies available for easy transport

Features that Drive Efficiency in Today's Distribution Centers

Heavily reinforced hinge elements on FPN-style containers reduce breakage and cracking.

Molded-in reinforced holes for standard security ties.

Plastic hinge available for use in metal-free facilities.

Metal hinge available on selected containers.

NEW Snap Feature on lid, available on the FP182, FP242 and FP243, keeps lid closed for efficient conveyance.

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.

FliPak® Specifications All dimensions in inches, unless specified.

Model	Hinge Style Metal	Hinge Style Plastic	Outside Dimensions Top L	Top W	Bottom L	Bottom W	Inside Dimensions Top L	Top W	Bottom L	Bottom W	Total Container Height	Product Clearance	Container Weight (lb.)	Volume (cu. ft.)	Bottom Style Solid	Drain	Plus Grid	Truckload Quantity 53' Trailer (Palletized)
FP03	X		11.8	9.8	9.3	7.0	10.1	7.8	8.7	6.4	7.7	6.5	2.1	0.3	T	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	3.0	0.6	T	T	T	7,200
FPD06	X		19.9	11.6	18.3	10.3	18.6	10.8	17.1	10.0	7.5	6.5	3.8	0.6	T		T	6,300
FP07	X		21.8	15.1	18.9	13.7	19.8	14.2	18.8	13.2	5.5	4.6	4.8	0.7	T	T	T	5,200
FP075	X		19.7	11.8	16.9	9.3	17.7	10.1	16.2	8.6	7.3	6.0	3.4	0.7	T	T	T	7,740
FP08	X		20.6	13.5	18.2	11.7	19.0	11.9	17.9	11.4	6.5	5.5	5.2	0.8	T	T		5,250
FP102		X	20.7	13.6	17.7	11.0	19.0	12.2	17.1	10.8	9.7	8.8	4.6	1.0	S/T			5,640
FP13	X		20.6	13.2	17.7	11.0	19.0	11.9	17.0	10.4	11.6	10.5	5.9	1.4	T	T	T	5,400
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	S/T	S/T	S/T	5,400/4,680 (P)
FPN142*	X		21.9	15.2	18.9	13.3	19.9	14.5	18.6	12.9	9.6	8.6	5.8	1.3	T	T	T	4,320
FP145	X		21.8	16.0	19.1	13.4	19.9	14.3	18.5	12.8	9.3	8.3	5.6	1.5	T	T	T	5,400
FP151	X		22.3	13.0	19.1	10.9	20.1	11.4	18.9	10.1	12.8	11.75	6.2	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	5.2	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)
FPN182***	X		21.8	15.2	18.6	12.8	19.9	14.5	18.1	12.3	12.6	11.6	6.1	1.7	T	T	T	3,600
FP19	X		23.5	15.7	19.9	13.0	21.0	14.2	19.2	12.4	13.0	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			2,688
FP242***	X	X	26.9	17.1	24.3	14.6	25.3	15.5	23.4	13.9	12.6	11.5	8.0	2.4	S/T	S/T	S/T	2,816
FP243***	X		26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.1	11.05	7.65		T	T	T	3,520
FP261	X		23.9	19.6	21.1	17.1	22.2	18.2	20.6	16.5	12.6	11.5	8.4	2.7	T	T		3,840
FP30	X		28.0	20.6	25.0	18.0	26.0	19.0	24.7	17.8	12.5	11.0	10.0	3.2	T	T		2,592
FP32	X		39.0	14.0	36.3	11.3	37.5	12.5	36.0	11.0	13.0	12.1	10.4	3.3	T	T		2,496
FP38	X		32.0	18.0	28.8	15.9	30.0	16.6	27.3	15.4	14.9	13.8	11.0	3.8	T			1,260
FP402	X		27.9	20.6	25.8	18.7	26.0	19.0	25.0	18.0	15.6	14.0	12.7	4.0	S/T	S/T	T	1,440
FPN402*	X		28.3	20.4	25.8	18.7	26.0	19.5	25.0	18.0	15.1	14.0	13.5	3.8	T			1,320
FP60	X		30.0	22.0	27.4	19.4	28.7	20.8	26.7	18.7	20.5	18.8		6.1	T	T	T	832

* Bi-color FPN containers are available. (Different color base and covers.) Please contact your ORBIS Sales Representative for additional information.
** When floor loaded, 6,160 containers fit in a 53' trailer.
*** Available with snap feature.

Mix loads of half-sized containers for distribution efficiency. (ie FP06 on FP07)

FP171

FP06

FPN182

FP07

FP142

21" X 15" FLIPAK CONTAINERS

The 21" x 15" family of FliPak® containers are used in distribution applications such as health and beauty aids, pharmaceuticals, grocery, periodicals and general merchandise. These 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.

FP171

FliPak® Specifications All dimensions in inches, unless specified.

Footprint	Model	Outside Dimensions Top L	Top W	Bottom L	Bottom W	Inside Dimensions Top L	Top W	Bottom L	Bottom W	Total Container Height	Product Clearance	Container Weight (lb.)
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	3.0
21 x 15 x 5	FP07	21.8	15.1	18.9	13.7	19.8	14.2	18.8	13.2	5.5	4.6	4.8
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
	FPN142	21.9	15.2	18.9	13.3	19.9	14.5	18.6	12.9	9.6	8.6	5.8
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	5.2
	FP182	21.8	15.2	18.6	12.9	19.8	14.0	18.1	12.3	12.9	11.8	6.5
	FPN182	21.8	15.2	18.6	12.8	19.9	14.5	18.1	12..3	12.6	11.6	6.1
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

FP 171 Adds Transportation Efficiency

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.
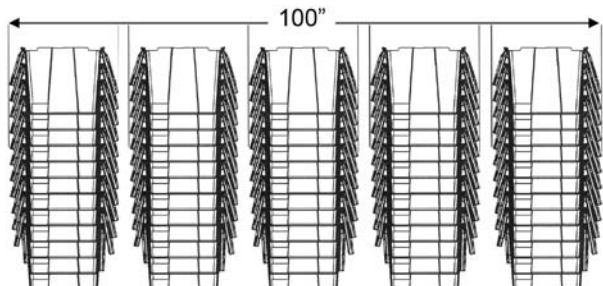
100"

24" X 20" FLIPAK CONTAINERS

Healthy and Beauty Care Items ■ Pharmaceutical Products ■ Food ■ Periodicals ■ Apparel ■ Automotive Aftermarket

The 24" x 20" family of FliPak® containers are used in applications such as general merchandise and part distribution. When compared to corrugated cartons, all-plastic ORBIS containers are dimensionally consistent for repeatable performance, with no loose flaps or crushed corners to halt material handling systems. Custom containers are available.

Totes designed specifically for automation offer locking lid, ability to band lengthwise or widthwise and textured bottom for easy conveyability.

Full and half size containers for system flexibility

FP261
on dolly

FP03 on
FP075

FP03, FP075 and FP19 based on common 1000 x 1200 footprint.

FliPak® 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			
12 x 10 x 7	FP03	11.8	9.8	9.3	7.0	10.1	7.8	8.7	6.4	7.7	6.5	2.1
20 x 12 x 7	FP075	19.7	11.8	16.9	9.3	17.7	10.1	16.2	8.6	7.3	6.0	3.4
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	8.4

* Available with rail for document storage and transportation. Please ask your ORBIS Sales Representative about the FPR261.

LARGE VOLUME FLIPAK CONTAINERS

This family of FliPak® containers are ideal for large volume applications, such as automotive aftermarket, hardware and general distribution. Choose from 27" x 17" to 39" x 14" container footprints.

NEW!

FP38

FP60

NEW FP 243

FP242

FP30

FP402

FPN402

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			
27 x 17 x 12	FP242	26.9	17.1	24.3	14.6	25.3	15.5	23.4	13.9	12.6	11.5	8.0
	FP243	26.9	16.9	24.4	14.7	25.2	15.5	23.6	13.9	12.1	11.05	7.65
28 x 20 x 12	FP30	28.0	20.6	25.0	18.0	26.0	19.0	24.7	17.8	12.5	11.0	10.0
28 x 20 x 15	FP402	27.9	20.6	25.8	18.7	26.0	19.0	25.0	18.0	15.6	14.0	12.7
	FPN402	28.3	20.4	25.8	18.7	26.0	19.5	25.0	18.0	15.1	14.0	13.5
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	17.0
39 x 14 x 13	FP32	39.0	14.0	36.3	11.3	37.5	12.5	36.0	11.0	13.0	12.1	10.4

FLIPAK CONTAINERS

PALLETS & OPTIONS FOR FLIPAKS

Healthy and Beauty Care ■ Pharmaceuticals ■ Food ■ Periodicals ■ Apparel ■ Automotive Aftermarket ■ Hardware

ORBIS FliPak containers are compatible with selected 40" x 48, 45" 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.

Compatible Pallets

Containers	Nestable, Single Deck Pallets			
	40 x 48-B GMA CISF LPD p. 82	40 x 48 CISC p. 83	45 x 48 R CIISF p. 74	45 x 54 MI CISS p. 91
21 x 15 FP and NO	X	X	X	
24 x 20 FP and NO	X	X		
FP242				X

Other 40 x 48 pallets may be suitable for an application.
Refer to the pallet section, starting on p. 69.
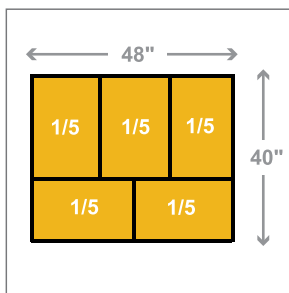
5 Containers Per Layer
21 X 15
24 X 20
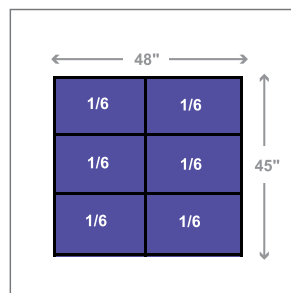
6 Containers Per Layer
21 X 15

FPN142

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.

Spring Steel Clip that affixes to a container to hold order or shipping documentation. This cost-efficient option is ideal for containers in a conveying environment.

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).
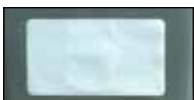
Adhesive Cardholders these clear, envelope-style cardholders have adhesive backing, are available in several sizes, and are easy to apply to many surfaces. The use of these cardholders increases inventory accuracy by facilitating easy bar code scanning in many types of automated systems.

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

FLIPAK CONTAINERS

Interested in recycling your plastic containers at the end of their service life? **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess plastic containers into other useful products. To learn more, contact your ORBIS Sales Representative.

NEST ONLY CONTAINERS

Apparel ■ Periodicals ■ Hardware ■ Automotive ■ 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 HDPE construction, combined with superior design make these containers returnable and reusable for over 250 trips, 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, grocery and automotive parts. Multiple identification options and accessories available.

RNO2115-5

NO3218-15

Smooth, drafted walls for easy handling.

NO2821-12

NO2416-12

Stacks firmly with covers and nests securely when empty for optimum space utilization.

RNO2115-9 with RCNO2115-2 cover

NO2113-6

NO2113-11 with NO2113-1 cover

NO2712-12

NO2420-12 with RCNO2420-1 cover

Optional detached lids for added product protection.

RCNO2115-2 cover

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	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	5,880
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	N/A	5,880
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	6,600
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	4,680
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	3,960
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	4,480
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	3,900
NO2420-12	23.9	19.6	21.1	17.7	22.2	18.2	20.5	16.5	12.0	11.9	5.7	2.70	5.3:1	RCNO2420-1	3,840
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
NO2821-12*	28.0	20.6	25.0	18.0	26.0	19.0	24.8	17.8	12.0	11.9	6.2	3.20	3.5:1	N/A	1,920
NO3218-15	32.0	18.0	28.8	15.9	30.0	16.6	27.8	15.4	14.3	13.8	7.9	3.80	3.0:1	N/A	1,880

Interested in labeling or adding identification to your containers? Please see page 18 for identification options.

* Additional versions are available for compatibility with skate wheel conveyors: NOST2821-12: single bottom tracking and NODT2821-12: double bottom tracking

DOLLIES

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

Combine totes, trays and bulk containers with ORBIS dollies for added efficiency. ORBIS offers dollies in a wide range of footprints and materials to meet a wide range of material handling needs. Non-marking casters are available for retail applications.

> **Steel Dollies** are heavy-duty dollies available in many footprints for ORBIS and LEWISBins+ products and can be made to custom sizes. These dollies are painted in gray enamel. Stainless steel may be available in certain footprints upon request.

> **Rotationally-Molded Dollies** are grey plastic dollies that feature smooth, contoured corners and are compatible with ORBIS 40 x 48 Stack-N-Nest Container System and ElPak System. The DGS6050 and DGS60100 is also compatible with the FP261 container.

> The **Mobile 600** is the largest tote of the FliPak family and has casters for greater mobility.

> **Spacesaver Dollies,** designed for the bakery industry, feature no-lip design to fit more trays per truckload. Underside of trays fit snugly in molded-in channels of the dolly.

> The NEW **Universal Dolly** can be customized to meet unique needs.

DGS6040

DGS60100

Metal Tote Dolly
(DFP and DSO style)

NPL 700

Universal Dolly

Specifications All dimensions in inches unless specified.

Model	Compatible Product	Inside Dimensions
DAST2420	AST2420 Series	22.75 x 19.38
NPL 700	Bakery Trays	26.40 x 22.20
NPL 701	Bakery Trays	27.30 x 22.40
NPL 705	Bakery Trays	29.30 x 26.20
DFP03*	FP03 (FliPak)	21.75 x 24.25
DFP075	FP075 (FliPak)	17.31 x 9.63
DFP141	FP142 / FPN142 (FliPak)	19.50 x 13.81
DFP15	FP151 (FliPak)	19.50 x 11.38
DFP181	FP171 / FP182 / FPN 182 (FliPak)	19.00 x 13.13
DFP19	FP19 (FliPak)	20.25 x 13.38
DFP241	FP242 / FP243 (FliPak)	24.69 x 15.13
DFP26	FP261 (FliPak	21.60 x 17.50
DFP40	FP402 / FPN402 (FliPak)	26.25 x 19.13
DFP60	FP60 (FliPak)	27.81 x 20.00
DGS6040	GS / GA6040 (Stack-N-Nest), ElPak 24 x 16	21.80 x 19.13
DGS6050	GS / GA6050 (Stack-N-Nest), FP261	21.30 x 17.30
DGS60100**	GS / GA6050 (Stack-N-Nest), FP261 (FliPak)	37.00 x 21.30
DSO1215	StakPak 12 x 15 Series	15.38 x 12.38
DSO2411	StakPak 24 x 11 Series	24.25 x 11.38
DSO2415	StakPak 24 x 15 Series	24.25 x 15.13
DSO2422	StakPak 24 x 22 Series	24.06 x 22.63
DSO3215	StakPak 32 x 15 Series	32.25 x 15.25
DSO4815	StakPak 48 x 15 StakPaks	48.19 x 15.06
DSO4822	StakPak 48 x 22 StakPaks	48.13 x 22.63

*   Quad Dolly: 4 containers per layer
** Double Dolly: 2 containers per layer

High Quality Casters Offer Long-Lasting Performance

> 3", 4" and 5" casters available. 5" casters are typically only used on bulk dollies.
> Typical configurations: 2 rigid / 2 swivel or all 4 swivel
> Wheel brake kit available for 3" and 4" casters
> Weight capacity of dolly using 3" casters: 210 lbs per caster
> Weight capacity of dolly using 4" casters: 255 lbs per caster

DOLLIES

Dollies for BulkPak Containers are also available in selected sizes.

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-approved materials. Easily cleaned and sanitized, ORBIS containers are an economical improvement over single-use corrugated cartons and are ideal for moist environments. If FDA materials are required, please specify when requesting a quote.

Designed for potted and bedding plant distribution

NO2113-7 NPL 682

NO2113-3 NPL 681

AF2416-4 NPL 680

AF2416-13 NPL 665

AF2416-10 NPL 655

AF2416-7 NPL 675

Stacks securely with bail and nests for space efficiency when empty.

Smooth surfaces for easy cleaning and superior product protection. Radius corners prevent product damage.

SNX2416-7

Ventilated design for easier cleaning, accurate temperature control and minimized cooling time.

AF2014-11 NPL 683

AF1

SN2412-7 offers efficient cross-stacking design for secure and efficient pallet loads.

NPL 654B

AF2013-6 NPL 670

SN2412-7

AF-21

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 (Palletized)
	Top		Bottom		Top		Bottom							
	L	W	L	W	L	W	L	W						
AFI	24.0	20.3	21.4	17.8	22.5	19.0	20.9	17.5	6.8	5.9	5.0	1.4	3.:1	4,872
AF-21	24.0	20.0	21.3	17.9	22.4	19.0	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	3.0	1.0	2.6:1	5,400
NPL 654B	23.9	18.7	22.1	15.9	19.9	13.7	19.2	12.6	8.8	8.2	4.8	1.2	3:1	4,350
AF2416-10 NPL 655	23.6	15.7	21.7	14.0	22.0	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	22.0	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	17.0	11.6	16.6	11.2	5.6	5.0	2.1	0.6	2:1	6,300
AF2416-7 NPL 675	23.7	15.9	21.8	14.2	22.0	14.4	21.4	13.7	7.5	6.5	3.7	1.2	2:1	3,600
AF2416-4 NPL 680	23.6	15.7	22.6	14.2	22.6	14.7	22.4	14.5	3.6	3.5	1.6	0.7	2:1	3,600
AF2014-11 NPL 683	20.5	13.7	17.7	12.2	17.5	12.0	16.4	10.7	10.8	9.7	4.6	1.1	2:1	3,570
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	7.0	2.7	0.9	4:1	6,480

* Weight includes bail, if applicable.

AGRICULTURAL CONTAINERS

FOOD HANDLING TRAYS

Confectionary ■ Bread Dough ■ Prepped Foods ■ Foodservice ■ Cafeteria

These all-plastic, stack-only, one-piece trays are designed for use in all types of food processing applications. Easy to clean trays with no deep corners or crevices ensure safe and convenient handling and long service life. Their excellent release characteristics prevent chipping and flaking and protect against product contamination. These trays have no nails to rust or corrode. Heavy-duty dollies are also available for rapid, safe transport of product.

Stacking ridge provides tight fit to keep air out and freshness in.

Dishwasher safe with radius, reinforced corners.

NPL604 on NPL706

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Three ventilation options available

NPL604 on NPL706

Optional scraper available for product removal

VAF3016-4 (ventilated)

AF3016-4

Smooth internal surfaces for easy filling and dumping

Solid
AF and ATT and NPL

Hole Pattern
VAF

Slotted Pattern
VAF

Specifications All dimensions in inches unless specified.

Model	Outside Dimensions		Inside Dimensions		Total Container Height	Product Clearance	Weight (lb.)	Bottom Pattern				53' Trailer Truckload Quantity
	L	W	L	W				Solid	3/8" Holes	1/4" Holes	Slotted	
AF3016-4	30.5	16.0	29.8	15.3	4.3	4.1	4.7	Available	N/A	N/A	N/A	2,280
VAF3016-4	30.5	16.0	29.8	15.3	4.3	4.1	4.7	N/A	N/A	Available	Available	2,280
NPL 604	25.7	17.7	23.5	15.5	3.2	2.7	3.3	Available	N/A	N/A	N/A	2,688
NPL 606 (Scraper)	6.25	4.50	N/A	N/A	0.75	N/A	0.21	N/A	N/A	N/A	N/A	N/A
NPL 706 (Dolly)	27.5	20.5	25.0	17.6	5.75	N/A	10.97	N/A	N/A	N/A	N/A	2,162

www.orbiscorporation.com   ORBIS   22

FOOD HANDLING TRAYS

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 3 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. 80) and 40 x 48 NPL 352 (p. 81). Multiple identification options and accessories available. Chill Trays are available in standard 26" x 29" footprint. Fully ventilated design speeds cooling. All products are available in FDA-approved materials. If FDA materials are required, please specify when requesting a quote.

Chill Trays

Ventilation minimizes freezing time and allows temperature control.

Nestable, for space efficiency.

CT1080/1085

SO2726-1

Stacks with cover and nests when empty. Snap tight covers available for secure storage/transport and product protection.

NOX2416-8 with CNOX2416-3 cover

Planning a new packaging program? Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information

Distribution Containers

Reinforced covers and ribs add strength and ensure long life.

NOX2416-8 with CNOX2416-3 cover

NO2416-11 with CNO2416-1 cover

Smooth interior for easy cleaning.

40x48 CISS LP pallet (See p. 80.)

Withstands temperatures from -20° to 120° F.

NO2416-9 NPL 750 with CNO2416-1 NPL1100 cover

Deep pocket handles for use with gloves.

Specifications All dimensions in inches unless specified.

Model	Outside Dimensions				Inside Dimensions				Total Height	Product Clearance	Weight (lb.)	Volume (cu. ft.)	Nest Ratio	Cover	Pallet Quantity	Truckload Quantity 53' Trailer
	Top		Bottom		Top		Bottom									
	L	W	L	W	L	W	L	W								
DISTRIBUTION CONTAINERS																
NOX2416-8	24.0	16.0	22.0	14.0	21.7	15.2	20.3	12.7	8.0	7.0	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 NPL 747	24.0	16.0	22.2	14.2	23.7	15.2	20.1	13.1	10.7	10.5	4.5	1.9	4.8:1	NPL1101	180	5,040
NO2416-11H NPL 748	24.0	16.0	22.0	14.2	23.7	15.2	20.1	13.1	10.7	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	20.0	13.1	8.0	7.7	4.2	1.3	4.0:1	NPL1101	210	5,600
NO2416-9 NPL 750	24.0	16.0	22.0	14.2	23.7	15.2	20.1	13.1	8.7	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 NPL1100**	24.50	16.70	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 NPL1101	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																
CT1080	29.2	26.2	29.1	25.9	28.3	24.9	27.5	24.6	9.0	7.3	7.4	N/A	2.0:1	N/A	N/A	1,240*
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.

Compatible Pallets

Containers	Nestable Pallets	
	40 x 48 CISS LP p. 80	40 x 48 NPL 352 p. 81
NO/NOX/NPL	24 x 20	24 x 20

POULTRY CONTAINERS

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-approved materials. If FDA materials are required, please specify when requesting a quote.

3-position plated bail on CR2420-9 3-H NPL 677 and CR2416-10 3-H NPL 678 allows maximum shipping flexibility. Bail can be positioned for varying product layer heights, so retailers can commonize on one container for all outbound shipments.

Controlled container tare weight, within +/- 1/2%

CR2420-7 2-H NPL 685-05

CR2420-7 2-H NPL 685-05

Open handles for secure lifting and handling

CR2420-9 3-H NPL 677

Bar code and RFID specific locations

Smooth surfaces for cleaning and sanitizing

AF1

Designed for use with NPL 352 pallet. (See p. 81)

Withstands temperatures from -40° to 160° F.

Raised label areas

CR2416-10 3-H NPL 678

Want to drive distribution efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Specifications All dimensions in inches unless specified.

| | Outside Dimensions | | | | Inside Dimensions | | | | | | | | | | |
| | Top | | Bottom | | Top | | Bottom | | | | | | | | |
Model	L	W	L	W	L	W	L	W	Total Height	Product Clearance	Weight (lb.)*	Volume (cu. ft.)	Nest Ratio	Pallet Quantity	Truckload Quantity 53' Trailer
AFI	24.0	20.3	21.4	17.8	22.5	19.0	20.9	17.5	6.8	5.9	5.0	1.4	3.:1	172	5,160
AF-21	24.0	20.0	21.3	17.9	22.4	19.0	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	5.0	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 NPL 686	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	4,680

* Weight includes bail, if applicable.

ORBIS Plastic Pallet Designed for Case-Ready Meat Containers

> Reinforced 9-leg design
> Fits four 24" x 20" or five 24" x 16" containers
> Full perimeter lip
> Deck and leg drain holes facilitate cleaning and sanitizing
> See the NPL352 on p. 81

NPL352 (See p. 81)

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ORBIS

24

BEVERAGE CRATES

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

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

Designed for 12oz, 16oz, 16.9oz, 20oz, 24oz, 1L, 1.25L 1.5L and 2L bottles

NPL 403P

NPL 408

Radius corners for durability , ease of handling and product damage prevention

Custom colors, hot stamping and molded in logos available

NPL 413

NPL 416

NPL 410

37 x 37 Pallet
(See p. 79)

Designed for stacking stability

NPL 412

Interchangeable with industry-standard products

Combine with 37" x 37" pallets for distribution efficiency

BEVERAGE CRATES
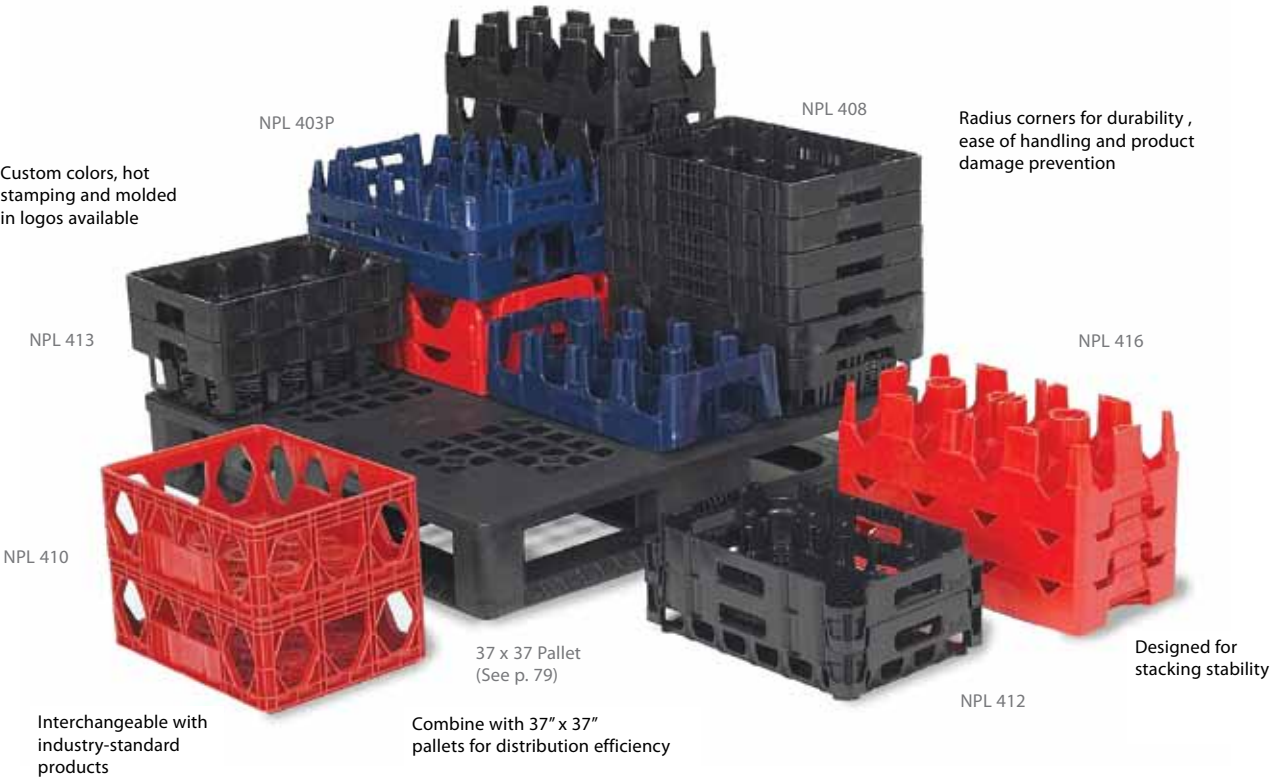
Specifications All dimensions in inches unless specified.

Model	Dimensions		Total Shell Height	Weight (lb.)	Bottle Size	Bottle Quantity	Truckload Quantity 53'Trailer (Bulk)
	L	W					
NPL 400	19.1	9.5	4.0	2.1	2 Liter	8	7,500
NPL 401B	18.6	12.4	4.6	1.7	20 Ounce	24	5,376
NPL 402	19.2	12.7	4.3	2.0	20 Ounce	24	7,840
NPL 403P	18.7	12.5	3.7	1.9	20/24 Ounce	24	11,200
NPL 404	18.4	12.3	4.0	1.9	1/2 Liter	24	9,184
NPL 407	19.1	9.5	5.3	2.4	2 Liter	8	9,600
NPL 408	18.5	12.3	4.6	1.6	20 Ounce	24	9,632
NPL 409	18.9	12.5	5.4	2.4	20 Ounce	24	6,048
NPL 410	15.2	11.4	5.6	1.9	1 Liter	12	5,928
NPL 411	17.3	10.4	5.6	1.9	1 Liter	15	5,700
NPL 412	16.7	11.1	4.5	1.5	390/500 ML	24	9,216
NPL 413	15.2	11.4	5.6	1.6	1 Liter	12	10,240
NPL 416	18.8	9.4	5.5	2.2	2 Liter	8	9,600
NPL 417	18.5	11.1	5.7	2.4	1 Liter	15	8,000
NPL 440	15.8	11.8	3.2	2.2	1 Liter	12	8,100
NPL 460	19.1	13.0	9.8	4.7	5 Gallon	N/A	2,160
NPL 480	18.2	12.2	9.3	4.6	5 Gallon	N/A	2,160

Compatible Pallets*

	Stackable Pallets	
Containers	37 x 37 NPL 350 p. 79	37 x 37 BevPal p. 79
Beverage	All sizes	All sizes

* Please work with your ORBIS Sales Representative to confirm beverage crates fit properly on the selected pallet.

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.

Optimal air flow for maintaining temperature

Ergonomic handles

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Universally compatible with existing cases

Custom colors, hot stamping and molded in logos available

All cases shown are NPL 004 models, unless otherwise noted

Reinforced top and corner ribs for stable stacking strength

FDA approved materials available

DA 1000 (Green)

Reinforced base prevents product damage when stacking full cases

See ORBIS' 40 x 40 Dairy Pallet on page 79.
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.

40 x 40 DY Pallet
(See p. 79)

DA2412

Wire rim now available for secure stacking and increased durability. (DA2412 only)

Specifications All dimensions in inches unless specified.

Model	Outside Top Dimensions		Outside Bottom Dimensions		Inside Top Dimensions		Inside Bottom Dimensions		Total Case Height	Product Clearance	Weight (lb.)	Truckload Quantity 53' Trailer (Bulk)
	L	W	L	W	L	W	L	W				
16 QUART CASES												
NPL 002*	13.0	13.0	13.0	13.0	12.1	12.1	12.1	12.1	11.4	10.8	3.1	3,600
NPL 003*	13.0	13.0	13.1	13.1	12.1	12.1	12.1	12.1	11.0	10.5	2.9	3,600
NPL 004	13.1	13.1	13.1	13.1	12.1	12.1	12.1	12.1	11.0	10.5	2.7	3,600
24 QUART CASE												
DA 2412	19.1	13.1	19.1	13.1	18.1	12.2	18.1	12.1	11.0	10.7	3.9	2,160 / 3,400
PALLET												
40 x 40 DY	40.0	40.0	N/A	N/A	39.1	39.1	N/A	N/A	5.0	N/A	40.0	660

*Available in Canada only.

Compatible Pallet

	Stackable Pallet
Containers	40 x 40 DY p. 79
Dairy	All sizes

Case Dispenser Now Available
All plastic, fully secured case holds fluid dairy products for restaurants, concessions and cafeterias. Honeycomb design allows for easy cleaning, draining and drying.

DAIRY CASES

BAKERY SYSTEMS

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

With generous internal heights of 4.3" to 5.5", these high-profile Bread Basket 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.

Custom colors, hot stamping and molded in logos available

Some models available with drop sides for easy merchandising

Comfort grip open handles

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Rail and groove design facilitates blind stacking.

Space Saver Dolly

FDA approved materials

Reinforced corners

Automation compatible features

Baskets cross-stack and nest efficiently for return trip.

Universal Dolly

All types of dollies available for system efficiency

ORBIS Bakery Systems Drive Efficiency Throughout the Supply Chain

Baskets wheel easily into store aisles for merchandising. Empty trays nest for efficient return to the processing plant.

Processing
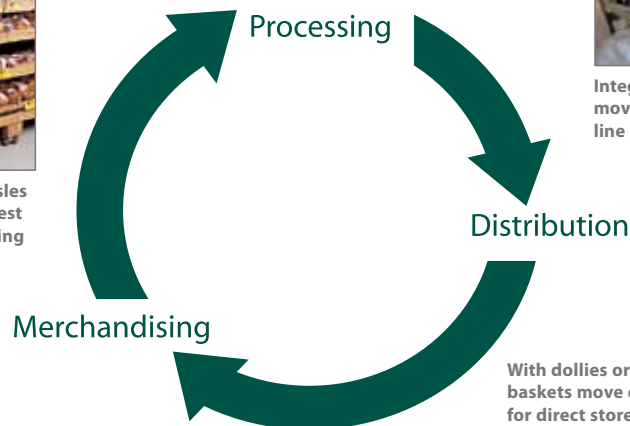
Integrates into automated systems to move bread and baked goods from the line directly into distribution.

Distribution

Merchandising

With dollies or pallets, bakery baskets move easily into trucks for direct store deliveries

BAKERY SYSTEMS - BREAD

Model	Outside Dimensions		Inside Dimensions		Height	Product Clearance	Weight (lb.)	Blade Entry	Available Sidewall Configurations			Nest Ratio	Compatible Dollies	Truckload Quantity 53' Trailer
	L	W	L	W					No Sidepost	Sidepost	Merchandising			
26 x 22 BREAD BASKETS														
NPL 640	25.9	21.8	24.5	20.8	5.9	5.0	3.6	2 & 4-way	Available	N/A	Available	2.0:1	NPL 700/DO 1080	3,168
BT2622-50	26.0	21.8	24.9	20.8	6.0	5.0	3.6	4-way	Available	N/A	Available	2.0:1	NPL 700/DO 1080	3,300
BA 1080-5	26.0	21.8	24.8	20.6	6.1	5.1	3.7	N/A	Available	N/A	N/A	2.0:1	NPL 700/DO 1080	2,928
BA 1080-5A	26.0	21.8	24.8	20.6	6.1	5.1	3.9	N/A	N/A	N/A	Available	2.0:1	NPL 700/DO 1080	2,928
27 x 22 BREAD BASKETS														
NPL 650	26.5	22.0	25.3	21.3	6.0	5.1	4.4	2 & 4-way	Available	N/A	Available	2.0:1	NPL 701	3,082
BT2722-50	26.7	22.3	25.5	21.1	6.0	5.0	4.0	4-way	Available	Available	Available	2.0:1	NPL 701	2,700
29 x 26 BREAD BASKETS														
NPL 660	28.8	26.8	27.6	24.5	6.1	5.1	5.5	2-way	Available	N/A	Available	2.0:1	NPL 705/DO 101	2,520
BT2926-51	29.0	26.0	27.9	24.6	6.0	5.1	6.1	4-way	Available	Available	Available	2.0:1	NPL 705/DO 101	2,331
OTHER BREAD BASKETS														
BT 105	23.0	20.4	22.0	20.4	5.6	4.8	3.3	N/A	N/A	Available	N/A	2.0:1		4,720
NPL 636	23.0	20.5	22.0	19.5	5.2	4.4	3.8	N/A	N/A	Available	N/A	2.0:1		4,536
BA 2100-2	23.1	21.1	22.3	19.6	6.0	4.9	5.1	N/A	N/A	N/A	N/A	3.5:1	NPL 704	5,220
BB 207	23.9	19.9	22.6	18.5	6.0	5.1	3.7	2-way	N/A	N/A	N/A	2.0:1		3,744
NPL 641	24.5	21.0	25.5	20.2	5.8	5.0	3.6	2-way	Available	N/A	Available	2.0:1		3,600
NPL 643	26.6	23.1	25.4	22.1	6.0	5.0	4.3	N/A	N/A	N/A	Available	2.0:1		2,806
NPL 656	26.8	20.5	25.5	19.9	6.8	5.8	5.7	2-way	Available	N/A	Available	2.0:1		2,668
NPL 652	27.5	22.9	25.6	21.0	6.3	5.0	5.2	2-way	Available	N/A	Both sides only	3.0:1		4,200
BB 250	28.3	22.3	26.0	20.8	6.2	5.3	6.2	2-way	Available	N/A	Available	2.0:1		2,640
NPL 663	29.0	22.8	27.0	22.0	6.3	5/3.8	5.8	4-way	N/A	N/A	Available	2.0:1	NPL 710	2,394
BT2922-6	29.8	22.5	26.4	21.6	6.1	5.1	5.5	4-way	Available	N/A	N/A	3.0:1		3,360
NPL 661	30.4	22.4	29.0	21.4	6.0	5.2	5.0	2-way	Available	N/A	Available	2.0:1	NPL 703	2,220
MULTI-LEVEL BREAD BASKETS														
BB 255	25.5	22.0	23.8	21.0	5.6	4.5/3.8	4.2	2-way	N/A	Available	N/A	2.0:1		4,224
HI-LO 290	26.6	21.8	24.6	20.6	6.4	2.5	4.2	N/A	N/A	N/A	Available	2.0:1		3,100
NPL 663	29.0	22.8	27.0	22.0	6.3	5/3.8	5.8	4-way	Available	N/A	Available	2.0:1		2,394
TORTILLA BASKET														
NPL 654B	23.9	18.7	22.1	15.9	8.9	8.2	4.8	N/A	N/A	N/A	N/A	3.0:1		4,200
26 x 22 DOLLIES														
DO 1080	26.8	22.5	26.4	22.1	N/A	N/A	9.0	N/A	N/A	N/A	N/A	N/A	N/A	1,584
NPL 700	26.6	22.5	26.4	22.2	N/A	N/A	9.1	N/A	N/A	N/A	N/A	N/A	N/A	1,584
27 x 22 DOLLIES														
NPL 701	27.5	22.6	27.3	22.4	N/A	N/A	9.2	N/A	N/A	N/A	N/A	N/A	N/A	1,584
29 x 26 DOLLIES														
DO 101	29.9	26.4	26.6	26.0	N/A	N/A	9.9	N/A	N/A	N/A	N/A	N/A	N/A	1,152
NPL 705	29.5	26.4	29.3	26.2	N/A	N/A	5.3	N/A	N/A	N/A	N/A	N/A	N/A	1,152
OTHER DOLLIES														
NPL 704	24.0	21.3	23.8	20.5	N/A	N/A	11.0	N/A	N/A	N/A	N/A	N/A	N/A	2,160
NPL 709	28.6	23.8	28.1	23.3	N/A	N/A	11.5	N/A	N/A	N/A	N/A	N/A	N/A	1,932

Looking for a different size? ORBIS has the largest selection of bakery baskets available in different styles, sizes and configurations. To view ORBIS' entire list of baskets, please visit **www.orbiscorporation.com.**

BAKERY SYSTEMS - BREAD

BAKERY SYSTEMS

Fresh Buns ■ Snack Goods ■ Cakes & Pastry Goods ■ Packaged Cookies and Pastries ■ Rolls ■ Frozen Bakery Goods

ORBIS Bun Basket systems drive efficiency in the bakery industry. Bun Baskets are designed for the efficient flow of buns throughout the supply chain...from the bakery to grocery stores, mass merchandisers, restaurants, foodservice/concession outlets 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. Bun Baskets can be integrated with automated systems and offer smooth surfaces and contoured corners to prevent product damage. 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.

Custom colors, hot stamping and molded in logos available

Some models available with drop sides for easy merchandising

FDA approved materials

Two and four way hand truck entry with baskets and trays

Rail and groove design facilitates blind stacking.

All types of dollies available for system efficiency

Comfort grip open handles

Reinforced corners

Automation compatible features

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Combine trays and baskets with ORBIS dollies for added efficiency!

>> Multiple lipped styles to securely hold trays and baskets in place.

>> Spacesaver dollies with no-lip design to fit more trays per truckload. Underside of trays fit snugly in molded-in channels of the dolly.

>> New Universal Dolly that can be customized to meet unique needs.

>> 3" or 4" casters available.

>> Non-marring casters that won't mark plant and store floors are available.

Bun Basket System Specifications All dimensions in inches unless specified.

Model	Outside Dimensions L	Outside Dimensions W	Inside Dimensions L	Inside Dimensions W	Height	Product Clearance	Weight (lb.)	Blade Entry	Available Sidewall Configurations No Sidepost	Sidepost	Merchandising	Nest Ratio	Compatible Dollies	Truckload Quantity 53' Trailer
26 x 22 SINGLE LAYER BUN BASKETS														
NPL 620	25.9	21.8	24.8	20.8	3.5	2.7	3.4	2 & 4-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	6,192
BB 210	25.9	21.8	24.8	20.8	3.5	2.8	3.4	2 & 4-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	6,192
NPL 625	25.9	21.8	24.8	20.8	3.0	2.3	2.9	2-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	7,392
NPL 635	25.9	21.8	24.8	20.8	3.3	2.5	3.2	2-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	6,192
BT2622-27	26.0	21.8	24.9	20.8	3.6	2.8	2.8	4-way	Available	Available	Available	2.0:1	NPL 700/DO 1080	5,952
BA1080-2	26.0	21.8	25.0	20.6	3.8	2.8	3.1	N/A	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	5,952
27 x 22 SINGLE LAYER BUN BASKETS														
BT2722-27	26.7	22.3	25.5	21.1	3.8	2.8	3.3	4-way	Available	Available	Available	2.0:1	NPL 701	5,037
OTHER SINGLE LAYER BUN BASKETS														
BB 208	32.8	25.5	32.0	24.4	2.8	1.8	4.5	N/A	N/A	N/A	N/A	1.0:1		3,096
26 x 22 DOUBLE LAYER BUN BASKETS														
NPL 630	25.9	21.8	24.8	20.8	4.1	3.6	3.5	2 & 4-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	4,368
BB 220	25.9	21.8	24.8	20.8	4.1	3.6	3.6	2 & 4-way	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	4,368
BT2622-37	26.0	21.8	24.9	20.8	4.8	3.8	3.3	4-way	Available	Available	Available	2.0:1	NPL 700/DO 1080	4,368
BA 1080-3	26.0	21.8	25.0	20.6	4.8	3.8	3.4	N/A	N/A	Available	N/A	2.0:1	NPL 700/DO 1080	4,368
27 x 22 DOUBLE LAYER BUN BASKETS														
NPL 649	26.5	22.0	25.4	21.0	5.0	4.0	3.9	2-way	Available	N/A	N/A	2.0:1	NPL 701	3,726
BT2722-37	26.7	22.3	25.5	21.1	5.0	3.8	3.6	4-way	Available	Available	Available	2.0:1	NPL 701	3,726
OTHER DOUBLE LAYER 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	2.0:1	NPL 700/DO 1080	5,000
MULTI-LAYER BUN BASKETS														
BB 270-SL	26.0	21.6	24.0	20.3	4.9	3.8/2.8	3.6	2-way	Available	N/A	N/A	3.1:1		6,678
RACK TRAYS								**CORNERS**						
BA 1055	28.6	22.0	27.6	21.0	1.3	N/A	3.2	Round	N/A	N/A	N/A	N/A	N/A	11,200
BP 302	28.6	21.3	27.6	20.3	1.3	N/A	3.03	Round	N/A	N/A	N/A	N/A	N/A	10,240
BP 304	23.8	22.3	22.3	21.3	1.3	N/A	2.6	Square	N/A	N/A	N/A	N/A	N/A	12,480
BP 308	28.8	24.8	27.8	23.8	1.5	N/A	3.3	Round	N/A	N/A	N/A	N/A	N/A	8,000
BP 313	24.5	22.5	23.5	21.5	1.3	N/A	2.3	Square	N/A	N/A	N/A	N/A	N/A	11,520
BP 314	25.5	22.5	24.5	21.5	1.3	N/A	2.3	Square	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	Square	N/A	N/A	N/A	N/A	N/A	11,520
NPL 690-01	27.5	21.8	26.5	20.8	1.5	N/A	2.7	Round	N/A	N/A	N/A	N/A	N/A	8,800
NPL 690-02	27.5	21.8	26.5	20.8	1.3	N/A	2.6	Round	N/A	N/A	N/A	N/A	N/A	9,064
NPL 693	23.4	22.3	22.5	21.4	1.3	N/A	2.7	Round	N/A	N/A	N/A	N/A	N/A	11,200
26 x 22 DOLLIES														
DO 1080	26.8	22.5	26.4	22.1	N/A	N/A	9.0	N/A	N/A	N/A	N/A	N/A	N/A	1,584
NPL 700	26.6	22.5	26.4	22.2	N/A	N/A	9.1	N/A	N/A	N/A	N/A	N/A	N/A	1,584
27 x 22 DOLLIES														
NPL 701	27.5	22.6	27.3	22.4	N/A	N/A	9.2	N/A	N/A	N/A	N/A	N/A	N/A	1,584
29 x 26 DOLLIES														
DO 101	29.9	26.4	26.6	26.0	N/A	N/A	9.9	N/A	N/A	N/A	N/A	N/A	N/A	1,152
NPL 705	29.5	26.4	29.3	26.2	N/A	N/A	5.3	N/A	N/A	N/A	N/A	N/A	N/A	1,152
OTHER DOLLIES														
NPL 704	24.0	21.3	23.8	20.5	N/A	N/A	11.0	N/A	N/A	N/A	N/A	N/A	N/A	2,160
NPL 709	28.6	23.8	28.3	23.3	N/A	N/A	11.5	N/A	N/A	N/A	N/A	N/A	N/A	1,932

Looking for a different size? ORBIS has the largest selection of bakery baskets available in different styles, sizes and configurations. To view ORBIS' entire list of baskets, please visit **www.orbiscorporation.com.**

STORAGE & ORGANIZATION SYSTEMS

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

Choose from the **LEWISBins+™** brand of plastic containers, bins and rugged metal systems 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. Visit the LEWISBins+ website at **www.lewisbins.com** for more information on the entire product line.

LEWISBins+

Storage Systems > Choose from storage cabinets, floor stands, bench assemblies and wall mounted systems to optimize your facility
> Holds a variety of part bins to meet your storage needs
> NEW Floating Rail available for individual part bin hanging

NEW! Floating Rail

> Available in two lengths: 4" and 10"
> Maximize space and efficiency in tight areas
> Control wasted space with individual part bin hanging capabilities
> Light-weight feel with comparable metal strength properties
> Water, rust and corrosion-proof

ESD-Safe Products

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

Plexton® Containers

> Fiberglass-reinforced containers
> 20 styles available
> Designed for extreme temperatures and weight
> Metal racks available

Parts Bins

> High-quality polypropylene bins are competitively priced to add value and efficiency
> Bins hang or stack for versatility in controlling inventories and organizing picking systems
> Combine with metal systems for maximum efficiency

NEW Part Bin Increases Efficiency and Organization

LewisBins+ has expanded its product offering to include its version of the industry-popular **10" x 4" x 4" part bin.** The high-performance **PB104-4** is utilized to secure storage of parts and product in industrial assembly operations, healthcare, stockroom, warehouse and hardware merchandising applications. Manufactured in polypropylene and designed for long-lasting strength and durability, the PB104-4 brings increased value and efficiency in a wide-range of work-in-process operations.
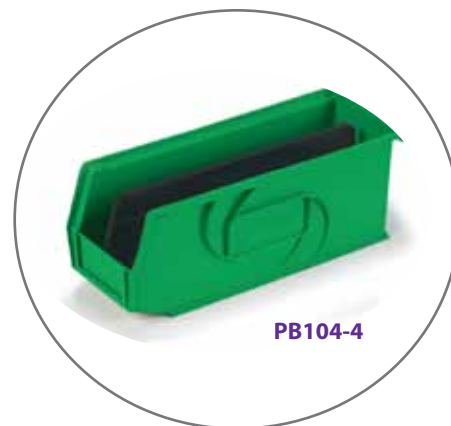
PB104-4

Wire Shelving

> Four shelf units
> Available in 63", 74" and 84" heights
> 800 lbs. shelf capacity
> Offers visibility of stored contents
> Will not accumulate dust and dirt

Divider Boxes

> 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

Shelf Bins

> 6 industry standard sizes
> Fits 12", 18" and 24" shelving
> Metal shelving available

Stack-N-Nest Containers

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

LEWISBins+

Interested in recycling your plastic containers at the end of their service life? **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess plastic containers into other useful products. To learn more, contact your ORBIS Sales Representative.

♻ 2 Polyethylene

BULKPAK®
CONTAINERS

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

Bulk containers offer the strength and rugged durability demanded in today's material handling and distribution systems. ORBIS offers a comprehensive selection of bulk container systems that deliver performance and add value to your operation. These containers are available in collapsible and fixed-wall styles.

>> Smooth internal walls for insertion of custom protective dunnage

>> Ease of cleaning

>> Availability in industry standard footprints

>> Protected areas for labels and RFID tags

>> Greater ergonomics than disposable packaging

>> Security

BULKPAK CONTAINERS

BULK PACKAGING SOLUTIONS FOR MANY INDUSTRIES

Food

Vegetables ▪ Fruit ▪ Ingredients ▪ Frozen Foods

Consumer Goods

Pharmaceutical ▪ Electronics ▪ Health and Beauty Care ▪ Office Supplies ▪ General Merchandise

BULKPAK CONTAINERS

Industrial

Spoilers ▪ Head and Tail Lights ▪ Door Panels ▪ Trim Parts ▪ Mirrors ▪ Air Bags ▪ Steering Wheels
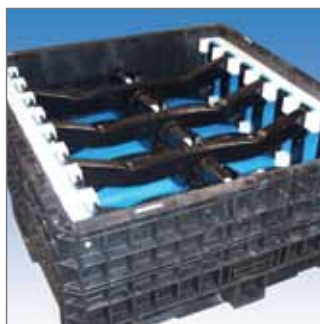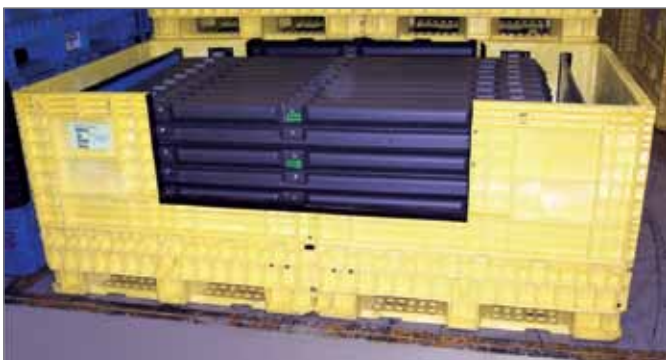
Beverage

Preforms ▪ Closures/Caps ▪ Ingredients ▪ Bottles

BULKPAK CONTAINERS

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 2,000 lbs, these containers are built for medium-duty applications. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

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

Multiple access door configurations: 0, 1 or 2 doors on the 32" side

Positive stacking of one container on another to reduce floorspace.

Available in two heights: 25" and 34"

Cardholder

ID Plate

Label Placard*

Placard Board*

KD3230-34

KD3230-34

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

All-plastic picture frame bottom.

BulkPak Covers

32 x 30 MEDIUM-DUTY BULKPAK

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

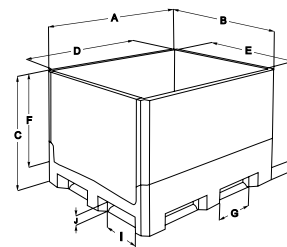| Model	Outside Dimensions			Inside Dimensions		Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack		Return Ratio	Access Door Openings			
											Static	Dynamic		Height		Width	
	L (A)	W (B)	H (C)	L (D)	W (E)									Long Side	Short Side	Long Side	Short Side
CONTAINERS																	
KD3230-25	32.0	30.0	25.0	29.2	27.3	18.1	13.1	2,000	68.0	8.40	6 high	4 high	2.3:1	10.5	N/A	18.0	N/A
	812.8	762.0	635.0	741.7	693.4	459.7	332.7	900.0	30.6	0.24	N/A	N/A	N/A	266.7	N/A	457.2	N/A
KD3230-34	32.0	30.0	34.0	29.2	27.3	27.1	13.1	2,000	85.0	12.5	6 high	3 high	2.5:1	15.0	N/A	18.0	N/A
	812.8	762.0	863.6	741.7	693.4	688.3	332.7	900.0	38.3	0.35	N/A	N/A	N/A	381.0	N/A	457.2	N/A
COVER																	
CKD3230	32.7	30.6	2.0	32.5	30.8	1.7	N/A	N/A	11.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	830.6	777.2	50.8	825.5	782.3	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 (continued)

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
KD3230-25	3.5	4.2	11.1	7.3	294	168	480	252
	88.9	106.7	281.9	185.4	N/A	N/A	N/A	N/A
KD3230-34	3.5	4.2	11.1	7.3	294	126	480	189
	88.9	106.7	281.9	185.4	N/A	N/A	N/A	N/A

*Patented process #5,628,858 owned by The Kennedy Group.

All dimensions and specifications are approximate. 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.
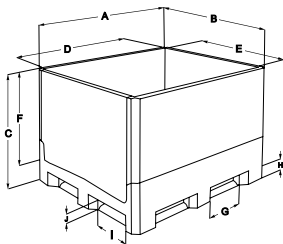
32" x 30" HEAVY-DUTY BULKPAK®

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

The heavy-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. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

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

Available in 5 heights: 18", 25", 30", 34" and 39"

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

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

Ventilated or solid deck available.

HDR3230-34

HDR3230-25

Multiple access door configurations: 0, 1 or 2 doors on the 32" side

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Two base options include standard 4-way forklift entry (pictured) and a conveyable base with 2-way forklift entry.

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

Model	Outside Dimensions L (A)	W (B)	H (C)	Inside Dimensions L (D)	W (E)	Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack Static	Dynamic	Return Ratio	Access Door Openings Height Long Side	Height Short Side	Width Long Side	Width Short Side
CONTAINERS																	
HDRS3230-18	32.0	30.0	18.0	29.2	27.3	11.5	N/A	2,000	50.0	5.40	6 high	5 high	1:1	N/A	N/A	N/A	N/A
Fixed Wall	812.8	762.0	457.2	741.7	693.4	292.1	N/A	900.0	22.5	0.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR3230-25	32.0	30.0	25.0	29.2	27.3	18.3	13.2	2,000	65.0	8.5	6 high	4 high	1.9:1	11.3	N/A	19.8	N/A
	812.8	762.0	635.0	741.7	693.4	464.8	335.3	900.0	29.3	0.24	N/A	N/A	N/A	287	N/A	502.9	N/A
HDR3230-30	32.0	30.0	30.0	29.2	27.3	23.3	18.2	2,000	72.0	10.8	6 high	4 high	1.7:1	11.3	N/A	19.8	N/A
	812.8	762.0	762.0	741.7	693.4	591.8	462.3	900.0	32.4	0.30	N/A	N/A	N/A	287	N/A	502.9	N/A
HDR3230-34	32.0	30.0	34.0	29.2	27.3	27.3	13.2	2,000	81.0	12.6	6 high	3 high	2.6:1	15.7	N/A	19.8	N/A
	812.8	762.0	863.6	741.7	693.4	693.4	335.3	900.0	36.5	0.35	N/A	N/A	N/A	398.8	N/A	502.9	N/A
HDR3230-39	32.0	30.0	39.0	29.2	27.3	32.3	18.3	2,000	90.0	15.0	4 high	2 high	2.1:1	15.7	N/A	19.8	N/A
	812.8	762.0	990.6	741.7	693.4	820.4	464.8	900.0	40.5	0.42	N/A	N/A	N/A	398.8	N/A	502.9	N/A
COVER																	
CHDR3230	33.0	31.0	3.0	30.5	32.4	1.7	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	774.7	823.0	43.2	N/A	N/A	4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications (continued)

Model	Fork Openings Height Long Side (H)	Height Short Side (J)	Width Long Side (G)	Width Short Side (I)	40' Container Quantities (w/o covers) Collapsed	Assembled	53' Truckload Quantities (w/o covers) Collapsed	Assembled
HDRS3230-18	3.44	2.25	10.23	7.12	N/A	210	N/A	300
Fixed Wall	87.4	57.2	259.8	180.8	N/A	N/A	N/A	N/A
HDR3230-25	3.44	2.25	10.23	7.12	336	168	480	252
	87.4	57.2	259.8	180.8	N/A	N/A	N/A	N/A
HDR3230-30	3.44	2.25	10.23	7.12	210	126	300	180
	87.4	57.2	259.8	180.8	N/A	N/A	N/A	N/A
HDR3230-34	3.44	2.25	10.23	7.12	336	126	480	189
	87.4	57.2	259.8	180.8	N/A	N/A	N/A	N/A
HDR3230-39	3.44	2.25	10.23	7.12	210	84	300	120
	87.4	57.2	259.8	180.8	N/A	N/A	N/A	N/A
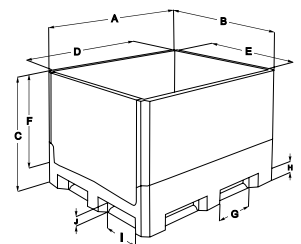
*Patented process #5,628,858 owned by The Kennedy Group.

40" x 48" MEDIUM-DUTY BULKPAK®

Produce ■ Caps/Closures ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and Powders ■ Tools

The medium-duty BulkPak® 4048 GP Series was designed for a wide variety of product sizes, shapes and weights. It allows more parts to be handled, stored and shipped...with fewer containers and in fewer trips. The advanced design results in a consistent tare weight that improves inventory and shipping efficiencies. With a weight capacity 1,500-2,000 pounds, these containers are ideal for all types of food, industrial or beverage applications, as well as for international shipments. These containers are structural-foam molded in high-density polyethylene for durability. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

Structural channel cover available for added product protection and secure stacking.

CGP4048 (cover)

Structural foam base and sidewalls deliver strength and durability

Ventilated sidewalls available on 32" and 46" models.

GP4048-50

GP4048-46

100% recyclable

All-plastic construction eliminates risk of rust.

Self-standing sidewall for safe and efficient assembly and collapse.

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

GP4048-34

Consistent tare weight

Cardholder

ID Plate

Label Placard*

Placard Board*

BulkPak Covers

GP4048-46 Bev

>> 8 heights: 32", 34", 36", 38", 39", 43", 46" and 50"

>> Access Doors: 0, 1 or 2 doors on the 40" side (Door configurations vary by model)

>> Base: All-plastic picture frame bottom or footcaps

>> Deck: Solid deck on all sizes and ventilated deck on 32" and 46" models

>> Sidewalls: Solid sidewalls on all sizes, ventilated sidewalls available on the 32" and 46" models

>> Cover: CGP4048-SC (structural channel molded)

40 x 48 MEDIUM-DUTY BULKPAK

All dimensions and specifications are approximate. 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.

BulkPak® 4048 GP 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																	
GP4048-32***	48.0	40.0	32.0	45.0	36.5	25.7	14.3	2,000	124.0	26.0	6 high	3 high	2.41:1	N/A	15.0	N/A	24.0
	1219.2	1016.0	812.8	1143.0	927.1	652.8	363.2	900.0	55.8	0.73	N/A	N/A		N/A	381.0	N/A	609.6
GP4048-32	48.0	40.0	32.0	45.0	36.5	25.7	13.7	2,000	133.0	26.0	6 high	3 high	2.41:1	N/A	15.0	N/A	24.0
	1219.2	1016.0	812.8	1143.0	927.1	652.8	348.0	900.0	59.9	0.73	N/A	N/A		N/A	381.0	N/A	609.6
GP4048-34	48.0	40.0	34.0	45.0	36.5	27.7	13.7	2,000	137.0	27.9	6 high	3 high	2.56:1	N/A	15.0	N/A	24.0
	1219.2	1016.0	863.6	1143.0	927.1	703.6	348.0	900.0	61.7	0.78	N/A	N/A		N/A	381.0	N/A	609.6
GP4048-36	48.0	40.0	36.0	45.0	36.5	29.7	17.7	2,000	144.0	29.9	6 high	2 high	2.08:1	N/A	15.0	N/A	24.0
	1219.2	1016.0	914.4	1143.0	927.1	754.4	449.6	900.0	64.8	0.84	N/A	N/A		N/A	381.0	N/A	609.6
GP4048-38	48.0	40.0	38.0	45.0	36.5	31.7	17.7	2,000	148.0	31.8	6 high	2 high	2.20:1	N/A	15.0	N/A	24.0
	1219.2	1016.0	965.2	1143.0	927.1	805.2	449.6	900.0	66.6	0.89	N/A	N/A		N/A	381.0	N/A	609.6
GP4048-39	48.0	40.0	39.0	45.0	36.5	32.7	13.7	2,000	152.0	32.8	5 high	2 high	2.94:1	N/A	19.0	N/A	24.0
	1219.2	1016.0	990.6	1143.0	927.1	830.6	348.0	900.0	68.4	0.92	N/A	N/A		N/A	482.6	N/A	609.6
GP4048-43	48.0	40.0	43.0	45.0	36.5	36.7	17.7	1,500	165.0	38.5	5 high	2 high	2.49:1	N/A	19.0	N/A	24.0
	1219.2	1016.0	1092.2	1143.0	927.1	932.2	449.6	675.0	74.3	1.08	N/A	N/A		N/A	482.6	N/A	609.6
GP4048-46***	48.0	40.0	46.0	45.0	36.5	39.7	14.3	1,500	152.0	39.5	4 high	2 high	3.46:1	N/A	19.0	N/A	24.0
	1219.2	1016.0	1168.4	1143.0	927.1	1008.4	363.2	675.0	68.4	1.11	N/A	N/A		N/A	482.6	N/A	609.6
GP4048-46	48.0	40.0	46.0	45.0	36.5	39.7	14.3	1,500	156.0	39.5	4 high	2 high	3.46:1	N/A	19.0	N/A	24.0
	1219.2	1016.0	1168.4	1143.0	927.1	1008.4	363.2	675.0	70.2	1.11	N/A	N/A		N/A	482.6	N/A	609.6
GP4048-46 Bev	48.0	40.0	46.0	45.0	37.0	39.7	14.3	1,500	135.0	41.4	5 high	2 high	3.46:1	N/A	N/A	N/A	N/A
	1219.2	1016.0	1168.4	1143.0	939.8	1008.4	363.2	675.0	60.75	1.16	N/A	N/A		N/A	N/A	N/A	N/A
GP4048-50	48.0	40.0	50.0	45.0	36.5	43.7	17.7	1,500	177.0	43.4	4 high	2 high	2.89:1	N/A	19.0	N/A	24.0
	1219.2	1016.0	1270.0	1143.0	927.1	1110.0	449.6	675.0	79.7	1.22	N/A	N/A		N/A	482.6	N/A	609.6
COVER																	
CGP4048	48.2	40.2	2.6	48.0	40.0	0.8	N/A	N/A	16.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1224.3	1021.1	66.0	1219.2	1016.0	20.3	N/A	N/A	2	N/A	N/A	N/A		N/A	N/A	N/A	N/A

Specifications (continued)

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
GP4048-32	4.5	4.5	11.8	11.8	147	84	240	90
	114.3	114.3	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-32	3.25	3.25	11.8	11.8	147	84	240	90
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-34	3.25	3.25	11.8	11.8	147	63	240	90
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-36	3.25	3.25	11.8	11.8	105	42	180	60
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-38	3.25	3.25	11.8	11.8	105	42	180	60
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-39	3.25	3.25	11.8	11.8	147	42	240	60
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-43	3.25	3.25	11.8	11.8	105	42	180	60
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-46***	4.5	4.5	11.8	11.8	147	42	240	60
	114.3	114.3	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-46	4.5	4.5	11.8	11.8	147	42	240	60
	114.3	114.3	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-46 Bev	4.5	4.5	11.8	11.8	147	42	240	60
	114.3	114.3	299.7	299.7	N/A	N/A	N/A	N/A
GP4048-50	3.25	3.25	11.8	11.8	105	42	180	60
	82.6	82.6	299.7	299.7	N/A	N/A	N/A	N/A

*   Patented process #5,628,858 owned by The Kennedy Group.
**   Internal volume calculated with cover.
*** Ventilated sidewalls with footcaps. All other models have solid sidewalls with picture frame bottom base.

40" x 48" HEAVY-DUTY BULKPAK®

Industrial Equipment ■ Bearings ■ Hardware ■ Food Processing ■ Beverage ■ Plastics and Rubber ■ Resins and Powders ■ Printing

The heavy-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. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

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.

Consistent tare weight

Secure stackability maximizes warehouse space without the use of racking.

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

Structural foam cover available for added product protection.

Cardholder

ID Plate

Label Placard*

HDR4048-34

HDR4048-25

Large access door for interior access.

Base designed for high impact.

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Heavy-duty solid sidewall construction for durability.

Placard Board*

BulkPak Covers

>> Heights: 16", 25", 29" , 34", 39", 42", 47" and 50"

>> Access Doors: 0, 1, 2, 3 or 4 doors (Door configurations vary by model)

>> Base: All-plastic picture frame bottom

>> Deck: Ventilated or solid

>> Sidewalls: Solid sidewalls on all sizes

>> Cover: CHDR4048-SF (structural foam molded)

40 x 48 HEAVY-DUTY BULKPAK

All dimensions and specifications are approximate. 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.

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

Model	Outside Dimensions L (A)	W (B)	H (C)	Inside Dimensions L (D)	W (E)	Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack Static	Dynamic	Return Ratio	Access Door Openings Height Long Side	Short Side	Width Long Side	Short Side
CONTAINERS																	
HDRS4048-16	47.3	39.6	16.1	43.6	36.0	9.3	N/A	2,000	93.0	8.40	6 high	5 high	1:1	NA	NA	NA	NA
Fixed Wall	1201.4	1005.8	408.9	1107.4	914.4	236.2	N/A	900.0	41.9	0.23	N/A	N/A	N/A	NA	NA	NA	NA
HDR4048-25	47.3	39.6	25.3	43.6	36.0	18.5	13.6	2,000	130.0	17.00	6 high	4 high	1.8:1	11.6	NA	32.7	NA
	1201.4	1005.8	642.6	1107.4	914.4	469.9	345.4	900.0	58.5	0.48	N/A	N/A	N/A	294.6	NA	830.6	NA
HDR4048-29	47.3	39.6	29.9	43.6	36.0	23.1	13.6	2,000	142.0	21.10	6 high	3 high	2.1:1	12.5	12.6	32.7	32.6
	1201.4	1005.8	759.5	1107.4	914.4	586.7	345.4	900.0	63.9	0.59	N/A	N/A	N/A	317.5	320.0	830.6	828.0
HDR4048-34	47.3	39.6	34.3	43.6	36.0	27.6	13.6	2,000	159.0	25.20	6 high	3 high	2.5:1	16.7	16.7	32.7	32.7
	1201.4	1005.8	871.2	1107.4	914.4	701.0	345.4	900.0	71.6	0.71	N/A	N/A	N/A	424.2	424.2	830.6	830.6
HDR4048-39	47.3	39.6	39.4	43.6	36.0	32.8	13.6	2,000	169.0	29.80	5 high	2 high	2.9:1	19.4	19.4	32.7	32.7
	1201.4	1005.8	1000.8	1107.4	914.4	833.1	345.4	900.0	76.1	0.83	N/A	N/A	N/A	492.8	492.8	830.6	830.6
HDR4048-42	47.3	39.6	42.3	43.6	36.0	35.6	13.6	1,750	180.0	32.50	5 high	2 high	3.1:1	20.7	20.7	32.7	32.7
	1201.4	1005.8	1074.4	1107.4	914.4	904.2	345.4	787.5	81.0	0.91	N/A	N/A	N/A	525.8	525.8	830.6	830.6
HDR4048-47	47.3	39.6	47.5	43.6	36.0	40.9	21.4	1,750	191.0	37.10	4 high	2 high	2.2:1	19.4	19.4	32.7	32.7
	1201.4	1005.8	1206.5	1107.4	914.4	1038.9	543.6	787.5	86.0	1.04	N/A	N/A	N/A	492.8	492.8	830.6	830.6
HDR4048-50	47.3	39.6	50.1	43.6	36.0	43.4	21.4	1,750	203.0	39.50	4 high	2 high	2.3:1	20.7	20.7	32.7	32.7
	1201.4	1005.8	1272.5	1107.4	914.4	1102.4	543.6	787.5	91.4	1.11	N/A	N/A	N/A	525.8	525.8	830.6	830.6
COVER																	
CHDR4048	48.1	40.2	3.0	47.6	39.6	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	76.2	1209.0	1005.8	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 (continued)

Model	Fork Openings Height Long Side (H)	Short Side (J)	Width Long Side (G)	Short Side (I)	40' Container Quantities (w/o covers) Collapsed	Assembled	53' Truckload Quantities (w/o covers) Collapsed	Assembled
HDRS4048-16	3.47	3.47	13.03	11.42	N/A	126	NA	180
Fixed Wall	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-25	3.47	3.47	13.03	11.42	168	84	240	120
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-29	3.47	3.47	13.03	11.42	168	63	240	90
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-34	3.47	3.47	13.03	11.42	168	63	240	90
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-39	3.47	3.47	13.03	11.42	168	42	240	60
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-42	3.47	3.47	13.03	11.42	168	42	240	60
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-47	3.47	3.47	13.03	11.42	105	42	150	60
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A
HDR4048-50	3.47	3.47	13.03	11.42	105	42	150	60
	88.1	88.1	331.0	290.1	N/A	N/A	N/A	N/A

*   Patented process #5,628,858 owned by The Kennedy Group.
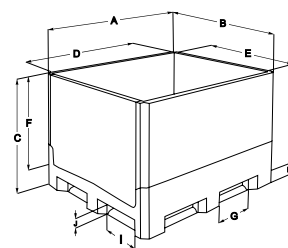
40 x 48 HEAVY-DUTY BULKPAK

48" x 45" MEDIUM-DUTY BULKPAK®

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

The medium-duty **BulkPak® 4845 KD Series** containers offer 1,500 load capacities. The KD 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. 61-64.)

Heavy-duty sidewall construction.

Large access door for interior access.

Smooth interior walls accommodate all types of custom dunnage.

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.

Cardholder

ID Plate

Label Placard*

KD4845-34 with Journey Top Cap

KD4845-25

All-plastic picture frame bottom.

Placard Board*

Dollies available for easy handling.

100% recyclable

Structural channel Journey® Top Cap (p. 95) available with superior durability. When using the Journey Top Cap, palletized container loads can be stacked with the BulkPak, for greater shipping efficiency.

BulkPak Covers

BulkPak® 4845 KD and HDMC 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																	
KD4845-25	48.0	45.0	25.0	44.4	41.4	18.1	13.1	1,500	113.7	19.3	6 high	4 high	1.9:1	11.8	N/A	27.4	N/A
	1219.2	1143.0	635.0	1127.8	1051.6	459.7	332.7	675.0	51.2	0.54	N/A	N/A	N/A	299.7	N/A	696.0	N/A
KD4845-34	48.0	45.0	34.0	44.4	41.4	26.8	13.1	1,500	126.3	28.5	6 high	3 high	2.6:1	16.4	N/A	29.6	N/A
	1219.2	1143.0	863.6	1127.8	1051.6	680.7	332.7	675.0	56.8	0.80	N/A	N/A	N/A	416.6	N/A	751.8	N/A
COVERS																	
45x48 MP3 Top Cap	48.8	45.8	2.9	48.4	45.4	1.3	N/A	N/A	17.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1239.5	1163.3	73.7	1229.3	1153.1	33.0	N/A	N/A	7.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45x48 Journey Top Cap	48.6	45.6	2.3	48.2	45.2	1.0	N/A	N/A	15.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1234.4	1158.2	58.4	1224.3	1148.1	25.4	N/A	N/A	6.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHDR4548	48.5	45.5	3.7	48.2	45.2	1.8	N/A	N/A	27.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	94.0	1224.3	1148.1	45.7	N/A	N/A	12.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CKD4548	48.5	45.5	3.0	48.2	45.2	1.5	N/A	N/A	26.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	76.2	1224.3	1148.1	38.1	N/A	N/A	11.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications (continued)

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
KD4845-25	3.5	3.5	13.5	12.5	144	72	208	104
	88.9	88.9	342.9	317.5	N/A	N/A	N/A	N/A
KD4845-34	3.5	3.5	13.5	12.5	144	54	208	78
	88.9	88.9	342.9	317.5	N/A	N/A	N/A	N/A

*Patented process #5,628,858 owned by The Kennedy Group.

48 x 45 MEDIUM-DUTY BULKPAK
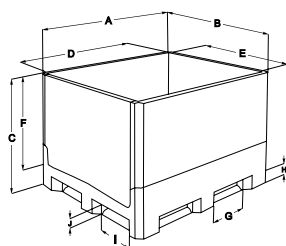
NEW 48" x 45" HEAVY-DUTY BULKPAK®

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

ORBIS Corporation has introduced its newest series of reusable bulk containers designed to fit 84 filled bins per inbound truckload and 252 collapsed bins per return truckload. The **NEW BulkPak® HDMC4845 Series** containers stack securely when full and collapse when empty for reduced return transportation costs and condensed storage. Available in two heights (27.0" and 34.0"), these containers offer 1,800 load capacities. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

8% gain in shipping density vs. standard 25" allowing more product per bin (26.5") version

Stacks securely

Robust spring loaded latches support handling safety

Structural sidewalls offer high level of durability and load capacity

HDMC4845-27

HDMC4845-34

Color indicator strips on base for increased fork tine entry line of sight

Replaceable bottom stringer that reduces replacement cost of full base, lowering total ownership costs over the life of the bin

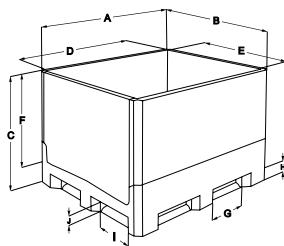Full compatibility with industry 48 x 45 bulk containers

BulkPak® 4845 KD and HDMC 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																	
HDMC4845-27	48.0	44.5	26.5	44.3	41.5	20.5	12.4	1,800	106.0	21.9	6 High	4 High	2.2	11.6	N/A	30.9	N/A
	1219.2	1130.3	673.1	1125.2	1054	520.7	314.9	810	47.7	0.61	N/A	N/A	N/A	294.6	N/A	784.7	N/A
HDMC4845-34	48.0	44.5	34.0	44.3	41.5	27.0	12.4	1,800	125.0	28.9	6 High	3 High	2.9	15.4	N/A	30.9	N/A
	1219.2	1130.3	863.6	1125.2	1054	685.8	314.9	810	56.2	0.81	N/A	N/A	N/A	391.2	N/A	784.7	N/A
COVERS																	
45x48 MP3	48.8	45.8	2.9	48.4	45.4	1.3	N/A	N/A	17.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Top Cap	1239.5	1163.3	73.7	1229.3	1153.1	33.0	N/A	N/A	7.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45x48 Journey	48.6	45.6	2.3	48.2	45.2	1.0	N/A	N/A	15.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Top Cap	1234.4	1158.2	58.4	1224.3	1148.1	25.4	N/A	N/A	6.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHDR4548	48.5	45.5	3.7	48.2	45.2	1.8	N/A	N/A	27.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	94.0	1224.3	1148.1	45.7	N/A	N/A	12.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CKD4548	48.5	45.5	3.0	48.2	45.2	1.5	N/A	N/A	26.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	76.2	1224.3	1148.1	38.1	N/A	N/A	11.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications (continued)

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
HDMC4845-27	3.4	3.4	10.2	10.3	180	80	252	112
	86.4	86.4	259.1	261.6	N/A	N/A	N/A	N/A
HDMC4845-34	3.4	3.4	10.2	10.3	180	60	252	84
	86.4	86.4	259.1	261.6	N/A	N/A	N/A	N/A
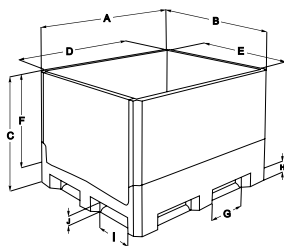
www.orbiscorporation.com   ORBIS®

48" x 45" HEAVY-DUTY BULKPAK®

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and Powders

The heavy-duty BulkPak® 4845 HD/HDR Series is used extensively by the automotive industry, as it meets the specifications of the Automotive Industry Action Group (AIAG). These containers offer load capacities from 1,500 to 2,000 pounds. The HD containers offer all-plastic picture frame bottom and self-standing sidewalls. The HDR containers feature up to four access doors, including a wing-style access door on the 45" side. 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. 61-64.)

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Generous internal capacity for large volumes of parts.

Wing-style access door on 45" sidewalls of HDR versions.

HDR4845-50 with optional wing-style access door

Durable structural foam molded cover protects contents from dust.

Heavy-duty sidewalls and base design.

CHDR4548 (cover) on HDR4845-34

Cardholder

ID Plate

Label Placard*

Placard Board*

BulkPak Covers

HD4845-34

All-plastic picture frame bottom with rounded legs for easy fork truck handling.

HDRS4845-19

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

Areas on all four sides for identification options.

Large access door for interior access on all 48" HDR sidewalls

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.

48 x 45 HEAVY-DUTY BULKPAK

>> 11 heights: 19", 21", 24", 25", 34", 39", 42", 44", 46", 48" and 50"
>> Access Doors:
    HD Models: 0, 1 or 2 (Door configurations vary by model)
    HDR Models: 0, 1, 2, 3 or 4 (Doors on 45" side are wing-style)
>> Base: All-plastic picture frame bottom
>> Deck: Ventilated (slip sheets available)
>> Sidewalls: Solid
>> Custom protective dunnage is available for all ORBIS BulkPaks
>> Covers: MP 3 Top Cap, 4548 Journey® Top Cap, CHDR4548-SF and CKD4548-SF

BulkPak® 4845 Cover 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
45x48 MP3	48.8	45.8	2.9	48.4	45.4	1.3	N/A	N/A	17.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Top Cap	1239.5	1163.3	73.7	1229.3	1153.1	33.0	N/A	N/A	7.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45x48 Journey	48.6	45.6	2.3	48.2	45.2	1.0	N/A	N/A	15.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Top Cap	1234.4	1158.2	58.4	1224.3	1148.1	25.4	N/A	N/A	6.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHDR4548	48.5	45.5	3.7	48.2	45.2	1.8	N/A	N/A	27.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	94.0	1224.3	1148.1	45.7	N/A	N/A	12.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CKD4548	48.5	45.5	3.0	48.2	45.2	1.5	N/A	N/A	26.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1231.9	1155.7	76.2	1224.3	1148.1	38.1	N/A	N/A	11.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

All dimensions and specifications are approximate. 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.

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

Model	Outside Dimensions L (A)	W (B)	H (C)	Inside Dimensions L (D)	W (E)	Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack Static	Dynamic	Return Ratio	Access Door Openings Height Long Side	Short Side	Width Long Side	Short Side
CONTAINERS																	
HDRS4548-19	48.0	45.0	19.3	44.3	41.3	12.7	N/A	2,000	102.0	13.2	6 high	6 high	1:1	N/A	N/A	N/A	N/A
(Fixed wall)	1219.2	1143.0	490.2	1125.2	1049.0	322.6	N/A	900.0	45.9	0.37	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDRS4548-21	48.0	45.0	21.3	44.3	41.3	14.7	N/A	2,000	108.0	15.4	6 high	6 high	1:1	N/A	N/A	N/A	N/A
(Fixed wall)	1219.2	1143.0	541.0	1125.2	1049.0	373.4	N/A	900.0	48.6	0.43	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDRS4548-24	48.0	45.0	24.8	44.3	41.3	18.0	N/A	2,000	120.0	19.2	6 high	4 high	1:1	N/A	N/A	N/A	N/A
(Fixed wall)	1219.2	1143.0	629.9	1125.2	1049.0	457.2	N/A	900.0	54.0	0.54	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR4845-25	48.0	45.0	25.0	44.2	41.2	18.5	13.1	2,000	119.0	19.5	6 high	4 high	1.9:1	12.4	N/A	33.0	N/A
	1219.2	1143.0	635.0	1122.7	1046.5	469.9	332.7	900.0	53.6	0.55	N/A	N/A	N/A	315.0	N/A	838.2	N/A
HDR4845-34	48.0	45.0	34.0	44.2	41.2	27.5	13.1	2,000	145.0	29.0	6 high	3 high	2.6:1	16.8	15.2	33.0	25.8
	1219.2	1143.0	863.6	1122.7	1046.5	698.5	332.7	900.0	65.3	0.81	N/A	N/A	N/A	426.7	366.1	838.2	665.3
HD4845-34	48.0	45.0	34.0	44.3	41.5	27.5	13.1	1,750	136.0	29.3	6 high	3 high	2.6:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	863.6	1125.2	1054.1	698.5	332.7	788.0	61.2	0.82	N/A	N/A	N/A	381.0	N/A	774.7	N/A
HDR4845-39	48.0	45.0	39.0	44.2	41.2	32.3	27.1	2,000	166.0	34.0	4 high	2 high	1.4:1	12.4	15.2	33.0	25.8
	1219.2	1143.0	990.6	1122.7	1046.5	820.4	688.3	900.0	74.7	0.95	N/A	N/A	N/A	315.0	386.1	838.2	655.3
HD4845-39	48.0	45.0	39.0	44.3	41.5	32.5	18.1	1,750	155.0	34.6	4 high	2 high	1.4:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	990.6	1125.2	1054.1	825.5	459.7	788.0	69.8	0.97	N/A	N/A	N/A	381.0	N/A	774.7	N/A
HDR4845-42	48.0	45.0	42.0	44.2	41.2	35.4	21.1	1,700	175.0	37.3	4 high	2 high	2.0:1	21.8	15.2	33.0	25.8
	1219.2	1143.0	1066.8	1122.7	1046.5	899.2	535.9	765.0	78.8	1.04	N/A	N/A	N/A	553.7	386.1	838.2	655.3
HD4845-42	48.0	45.0	42.0	44.3	41.5	35.5	21.1	1,500	161.0	37.8	4 high	2 high	2.0:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	1066.8	1125.2	1054.1	901.7	535.9	675.0	72.5	1.06	N/A	N/A	N/A	381.0	N/A	774.7)	N/A
HD4845-44	48.0	45.0	44.0	44.3	41.5	37.5	23.1	1,500	164.0	39.9	4 high	2 high	1.9:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	1117.6	1125.2	1054.1	952.5	586.7	675.0	73.8	1.12	N/A	N/A	N/A	381.0	N/A	774.7	N/A
HD4845-46	48.0	45.0	46.0	44.3	41.5	39.5	25.1	1,500	170.0	42.0	4 high	2 high	1.8:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	1168.4	1125.2	1054.1	1003.3	637.5	675.0	76.5	1.18	N/A	N/A	N/A	381.0	N/A	774.7	N/A
HDR4845-48	48.0	45.0	48.0	44.2	41.2	41.3	27.1	1,700	188.0	43.5	4 high	2 high	1.8:1	21.8	15.2	33.0	25.8
	1219.2	1143.0	1219.2	1122.7	1046.5	1049.0	688.3	765.0	84.6	1.22	N/A	N/A	N/A	553.7	386.1	838.2	655.3
HD4845-48	48.0	45.0	48.0	44.3	41.5	41.5	27.1	1,500	175.0	44.2	4 high	2 high	1.8:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	1219.2	1125.2	1054.1	1054.1	688.3	675.0	78.8	1.24	N/A	N/A	N/A	381.0	N/A	774.7	N/A
HDR4845-50	48.0	45.0	50.0	44.2	41.2	43.3	29.1	1,700	199.0	45.6	4 high	2 high	1.7:1	21.8	15.2	33.0	25.8
	1219.2	1143.0	1270.0	1122.7	1046.5	1099.8	739.1	765.0	89.6	1.28	N/A	N/A	N/A	553.7	386.1	838.2	655.3
HD4845-50	48.0	45.0	50.0	44.3	41.5	43.5	29.1	1,500	183.0	46.3	4 high	2 high	1.7:1	15.0	N/A	30.5	N/A
	1219.2	1143.0	1270.0	1125.2	105	1104.9	739.1	675.0	82.4	1.30	N/A	N/A	N/A	381.0	N/A	774.7	N/A

Specifications (continued)

Model	Fork Openings Height Long Side (H)	Short Side (J)	Width Long Side (G)	Short Side (I)	40' Container Quantities (w/o covers) Collapsed	Assembled	53' Truckload Quantities (w/o covers) Collapsed	Assembled
HDRS4548-19	3.6	3.6	10.3	9.7	N/A	90	N/A	130
(Fixed wall)	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HDRS4548-21	3.6	3.6	10.3	9.7	N/A	90	N/A	130
(Fixed wall)	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HDRS4548-24	3.6	3.6	10.3	9.7	N/A	72	N/A	104
(Fixed wall)	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HDR4845-25	3.6	3.6	10.3	9.7	144	72	208	104
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HDR4845-34	3.6	3.6	10.3	9.7	144	54	208	78
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HD4845-34	3.5	3.5	9.6	9.6	144	54	208	78
	88.9	88.9	243.8	243.8	N/A	N/A	N/A	N/A
HDR4845-39	3.6	3.6	10.3	9.7	54	36	78	52
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HD4845-39	3.5	3.5	9.6	9.6	54	36	130	52
	88.9	88.9	243.8	243.8	N/A	N/A	N/A	N/A
HDR4845-42	3.6	3.6	10.3	9.7	90	36	130	52
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HD4845-42	3.5	3.5	9.6	9.6	90	36	130	52
	88.9	88.9	243.8	243.8	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	243.8	243.8	N/A	N/A	N/A	N/A
HD4845-46	3.5	3.5	9.6	9.6	72	36	104	52
	88.9	88.9	243.8	243.8	N/A	N/A	N/A	N/A
HDR4845-48	3.6	3.6	10.3	9.7	54	36	104	52
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HD4845-48	3.5	3.5	9.6	9.6	54	36	104	52
	88.9	88.9	243.8	243.8	N/A	N/A	N/A	N/A
HDR4845-50	3.6	3.6	10.3	9.7	54	36	78	52
	91.4	91.4	261.6	246.4	N/A	N/A	N/A	N/A
HD4845-50	3.5	3.5	9.6	9.6	54	36	78	52
	88.9	88.9	243.8	243.8	N/A	N/A	N/A	N/A

*Patented process #5,628,858 owned by The Kennedy Group.

EXTENDED LENGTH HEAVY-DUTY
BULKPAK® (56 x 48, 62 x 48, 64 x 48 and 65 x 48)

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and 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 **BulkPak® 5648 HDR Series** accommodates long and hard-to-fit component parts. This container features a four-way fork entry and a variety of sidewall configurations, with up to four hinged drop doors available.

Available only from ORBIS...the 62" x 48" bulk collapsible container offers the highest cube utilization in the industry today. The **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. With weight capacities up to 1,500 pounds, these containers are ideal for all types of automotive and industrial applications. 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.

The **BulkPak® 6548 HDR Series** containers are ideal for the storage and transport of long, heavy parts. With weight capacities up to 2,000 pounds, these containers are ideal for all types of automotive and industrial applications. The HDR containers have a one-piece base with four molded-in aluminum bars and drop doors on the 65" side.

All containers are structural-foam molded in high-density polyethylene for durability and are available in side-loading Maximus styles. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

Extra wide access door

Solid sidewalls designed for increased durability.

Areas on all four sides for identification options.

Access door configurations include choice of 0, 1 or 2 doors on 48" side and 2 standard doors on 56" side.

HDR5648-34

Cardholder

ID Plate

Label Placard*

Placard Board*

Fabricated cover available (CHDR5648)

Extra wide access door

All-plastic picture frame bottom

Choice of 0, 1, 2, 3 or 4 access doors

HD6248-25

Unique 62" x 48" footprint optimizes a standard 53' trailer, for greater freight efficiencies than competitive bulk containers.

HD6248-34 Collapsed = 160

HD6248-34 Assembled = 60

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Self-standing sidewall on all sizes

All-plastic picture frame bottom with rounded legs for easy fork truck handling and reduced risk of "short forking".

HD6448-50

ORBIS® www.orbiscorporation.com

All dimensions and specifications are approximate. 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.

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

Model	Outside Dimensions L (A)	Outside Dimensions W (B)	Outside Dimensions H (C)	Inside Dimensions L (D)	Inside Dimensions W (E)	Product Clearance (F)	Collapsed Height	Container Capacity (lb.)	Weight (lb.)	Internal Volume (cu. ft.)	Maximum Loaded Stack Static	Maximum Loaded Stack Dynamic	Return Ratio	Access Door Openings Height Long Side	Access Door Openings Height Short Side	Access Door Openings Width Long Side	Access Door Openings Width Short Side
CONTAINERS																	
HDRS5648-19 Fixed Wall	56.5	48.0	19.0	53.3	44.8	12.7	N/A	2,000	128.0	16.3	6 high	4 high	1:1	N/A	N/A	N/A	N/A
	1435.1	1219.2	482.6	1353.8	1137.9	322.6	N/A	900	57.6	0.46	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR5648-25	56.5	48.0	25.0	53.3	44.8	18.0	13.0	2,000	166.0	24.5	6 high	4 high	2:1	12.2	9.0	44.3	32.4
	1435.1	1219.2	635.0	1353.8	1137.9	457.2	330.2	900	74.7	0.69	N/A	N/A	N/A	309.9	228.6	1125.2	823.0
HDR5648-34	56.5	48.0	34.0	53.3	44.8	26.9	13.0	2,000	201.0	36.9	6 high	3 high	2.6:1	16.4	16.4	44.3	32.4
	1435.1	1219.2	863.6	1353.8	1137.9	682.8	330.2	900	90.5	1.03	N/A	N/A	N/A	416.6	416.6	1125.2	823.0
HDR5648-42	56.5	48.0	42.0	53.3	44.8	34.9	22.0	2,000	220.0	47.9	4 high	2 high	2:1	20.2	15.4	44.3	32.4
	1435.1	1219.2	1066.8	1353.8	1137.9	886.5	558.8	900	99.0	1.34	N/A	N/A	N/A	513.1	391.2	1125.2	823.0
HD6248-25	62.5	48.0	25.0	59.0	44.5	17.9	13.1	1,500	167.0	28.7	4 high	4 high	1.9:1	N/A	12.0	N/A	30.0
	1587.5	1219.2	635.0	1498.6	1130.3	454.7	332.7	675.0	75.2	0.80	N/A	N/A	N/A	N/A	304.8	N/A	762.0
HD6248-34	62.5	48.0	34.0	59.0	44.5	27.5	13.1	1,500	206.0	42.6	4 high	3 high	2.6:1	17.0	12.0	46.0	30.0
	1587.5	1219.2	863.6	1498.6	1130.3	698.5	332.7	675.0	92.7	1.19	N/A	N/A	N/A	431.8	304.8	1168.4	762.0
HD6248-50	62.5	48.0	50.0	59.0	44.5	43.5	29.0	1,500	252.0	67.4	4 high	2 high	1.7:1	17.0	16.0	46.0	30.0
	1587.5	1219.2	1270.0	1498.6	1130.3	1104.9	736.6	675.0	113.4	1.88	N/A	N/A	N/A	431.8	406.4	1168.4	762.0
HD6448-25	64.5	48.0	25.0	60.5	44.5	17.9	13.1	1,500	170.0	29.6	4 high	4 high	1.9:1	N/A	12.0	N/A	30.0
	1638.3	1219.2	635.0	1536.7	1130.3	454.7	332.7	675.0	76.5	0.83	N/A	N/A	N/A	N/A	304.8	N/A	762.0
HD6448-34	64.5	48.0	34.0	60.5	44.5	27.5	13.1	1,500	208.0	44.0	4 high	3 high	2.6:1	17.0	12.0	46.0	30.0
	1638.3	1219.2	863.6	1536.7	1130.3	698.5	332.7	675.0	93.6	1.23	N/A	N/A	N/A	431.8	304.8	1168.4	762.0
HD6448-50	64.5	48.0	50.0	60.5	44.5	43.5	29.0	1,500	256.0	69.7	4 high	2 high	1.7:1	17.0	16.0	46.0	30.0
	1638.3	1219.2	1270.0	1536.7	1130.3	1104.9	736.6	675.0	115.2	1.95	N/A	N/A	N/A	431.8	406.4	1168.4	762.0
HDRS6548-19 Fixed Wall	64.5	48.0	19.0	61.3	44.8	12.7	N/A	2,000	160.0	18.8	5 high	4 high	1:1	N/A	N/A	N/A	N/A
	1638.3	1219.2	482.6	1557.0	1137.9	322.6	N/A	900	72.0	0.53	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR6548-25	64.5	48.0	25.0	61.3	44.8	18.0	12.9	2,000	186.0	28.3	5 high	4 high	1.9:1	12.2	9.0	50.3	32.4
	1638.3	1219.2	635.0	1557.0	1137.9	457.2	327.7	900	83.7	0.79	N/A	N/A	N/A	309.9	228.6	1277.6	823.0
HDR6548-34	64.5	48.0	34.0	61.3	44.8	26.8	12.9	2,000	222.0	42.6	5 high	3 high	2.6:1	16.4	16.4	50.3	32.4
	1638.3	1219.2	863.6	1557.0	1137.9	680.7	327.7	900	99.9	1.19	N/A	N/A	N/A	416.6	416.6	1277.6	823.0
HDR6548-42	64.5	48.0	42.0	61.3	44.8	34.9	22.1	2,000	242.0	55.3	4 high	2 high	1.9:1	20.2	15.4	50.3	32.4
	1638.3	1219.2	1066.8	1557.0	1137.9	886.5	561.3	900	108.9	1.55	N/A	N/A	N/A	513.1	391.2	1277.6	823.0
HDR6548-50	64.5	48.0	50.0	61.3	44.8	42.9	22.1	2,000	252.0	68.0	4 high	2 high	2.3:1	24.4	15.4	50.3	32.4
	1638.3	1219.2	1270.0	1557.0	1137.9	1089.7	561.3	900	113.4	1.90	N/A	N/A	N/A	619.8	391.2	1277.6	823.0

Available Covers

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

Specifications (continued)

Model	Fork Openings Height Long Side (H)	Fork Openings Height Short Side (J)	Fork Openings Width Long Side (G)	Fork Openings Width Short Side (I)	40' Container Quantities (w/o covers) Collapsed	40' Container Quantities (w/o covers) Assembled	53' Truckload Quantities (w/o covers) Collapsed	53' Truckload Quantities (w/o covers) Assembled
HDRS5648-19 Fixed Wall	3.5	3.5	10.8	10.8	N/A	45	N/A	110
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A
HDR5648-25	3.5	3.5	11.8	11.8	72	45	176	88
	88.9	88.9	299.7	299.7	N/A	N/A	N/A	N/A
HDR5648-34	3.5	3.5	12.8	12.8	72	27	176	66
	88.9	88.9	325.1	325.1	N/A	N/A	N/A	N/A
HDR5648-42	3.5	3.5	13.8	13.8	36	18	100	44
	88.9	88.9	350.5	350.5	N/A	N/A	N/A	N/A
HD6248-25	3.5	3.5	13.0	13.0	63	36	160	80
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HD6248-34	3.5	3.5	13.0	13.0	63	18	160	60
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HD6248-50	3.5	3.5	13.0	13.0	27	18	60	40
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HD6448-25	3.5	3.5	13.0	13.0	63	36	144	72
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HD6448-34	3.5	3.5	13.0	13.0	63	18	144	54
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HD6448-50	3.5	3.5	13.0	13.0	27	18	54	36
	88.9	88.9	330.2	330.2	N/A	N/A	N/A	N/A
HDRS6548-19 Fixed Wall	3.5	3.5	10.8	10.8	45	45	90	90
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A
HDR6548-25	3.5	3.5	10.8	10.8	72	36	144	72
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A
HDR6548-34	3.5	3.5	10.8	10.8	72	27	144	54
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A
HDR6548-42	3.5	3.5	10.8	10.8	36	18	90	36
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A
HDR6548-50	3.5	3.5	10.8	10.8	36	18	90	36
	88.9	88.9	274.3	274.3	N/A	N/A	N/A	N/A

*Patented process #5,628,858 owned by The Kennedy Group.

56 x 48 – 65 x 48 BULKPAK

www.orbiscorporation.com ORBIS® 48

EXTENDED LENGTH
HEAVY-DUTY BULKPAK® (70 x 48 and 78 x 48)

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and 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. 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. These containers are structural-foam molded in high-density polyethylene for durability. Custom protective dunnage is available for all ORBIS BulkPak containers. (See pp. 61-64.)

Available in 5 heights:
19", 25", 34", 41" and 50"

Closed deck

Heavy-duty sidewalls
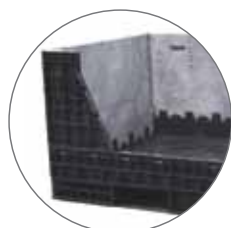
Access doors available on the 70" side feature articulated hinges to allow the door to lay flat.

70" x 48" containers offer a wing-style access door on the 34" and 50" height. (pictured at left)

HDR7048-34

All-plastic picture frame bottom.

Areas on all four sides for identification options.

Heavy-duty sidewalls

Multiple access door configurations available.

Cardholder

ID Plate

Label Placard*

Placard Board*

Closed deck

HDR7848-34

4-way forklift entry

All-plastic picture frame bottom

Fabricated cover available (CHDR5648)

70 x 48 - 78 x 48 BULKPAK

All dimensions and specifications are approximate. 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.

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																	
HDRS7048-19	70.0	48.0	19.0	66.4	44.5	12.0	N/A	1,500	142.0	20.7	4 high	4 high	1:1	N/A	N/A	N/A	N/A
Fixed Wall	1778.0	1219.2	482.6	1686.6	1130.3	304.8	N/A	675.0	63.9	0.58	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDR7048-25	70.0	48.0	25.0	66.4	44.5	17.9	13.3	1,500	161.0	30.6	4 high	4 high	1.9:1	N/A	12.4	N/A	33.0
	1778.0	1219.2	635.0	1686.6	1130.3	454.7	337.8	675.0	72.5	0.86	N/A	N/A	N/A	N/A	315.0	N/A	838.2
HDR7048-34	70.0	48.0	34.0	66.4	44.5	26.7	13.3	1,500	228.0	46.0	4 high	3 high	2.6:1	16.7	16.8	45.7	33.0
	1778.0	1219.2	863.6	1686.6	1130.3	678.2	337.8	675.0	102.6	1.29	N/A	N/A	N/A	424.2	426.7	1160.8	838.2
HDR7048-41	70.0	48.0	41.0	66.4	44.5	33.8	29.2	1,500	267.0	58.1	4 high	2 high	1.4:1	N/A	12.4	NA	33.0
	1778.0	1219.2	1041.4	1686.6	1130.3	858.5	741.7	675.0	120.2	1.63	N/A	N/A	N/A	N/A	315.0	N/A	838.2
HDR7048-50	70.0	48.0	50.0	66.4	44.5	42.9	29.2	1,500	303.0	73.5	4 high	2 high	1.7:1	16.7	21.8	45.7	33.0
	1778.0	1219.2	1270.0	1686.6	1130.3	1089.7	741.7	675.0	136.4	2.06	N/A	N/A	N/A	424.2	553.7	1160.8	838.2
HDR7848-25	78.0	48.0	25.0	74.5	44.5	17.9	13.3	1,500	173.0	34.9	4 high	4 high	1.9:1	N/A	12.4	N/A	33.0
	1981.2	1219.2	635.0	1892.3	1130.3	454.7	337.8	675.0	77.9	0.98	N/A	N/A	N/A	N/A	315.0	N/A	838.2
HDR7848-34	78.0	48.0	34.0	74.5	44.5	26.7	13.3	1,500	230.0	52.3	4 high	3 high	2.6:1	16.8	16.8	45.7	33.0
	1981.2	1219.2	863.6	1892.3	1130.3	678.2	337.8	675.0	103.5	1.46	N/A	N/A	N/A	426.7	426.7	1160.8	838.2
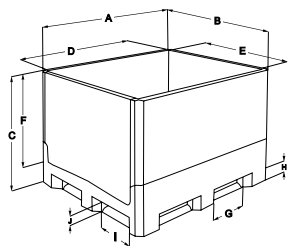
Available Covers

CHDRT7048   Fabricated Cover Available
CHDRT7848   Fabricated Cover Available

Specifications (continued)

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
HDRS7048-19	3.5	3.5	11.9	11.9	45	45	85	85
Fixed Wall	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
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
HDR7048-41	3.5	3.5	11.9	11.9	27	18	51	34
	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	27	18	51	34
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
HDR7848-25	3.5	3.5	11.9	11.9	72	36	128	64
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A
HDR7848-34	3.5	3.5	11.9	11.9	72	27	128	48
	88.9	88.9	302.3	302.3	N/A	N/A	N/A	N/A

*Patented process #5,628,858 owned by The Kennedy Group.

70 x 48 - 78 x 48 BulkPak

2 Polyethylene

48" X 45" MAXCUBE CONTAINER

Cosmetic Packaging ■ Health Care Packaging ■ Pharmaceutical Packaging ■ Beverage Packaging ■ Apparel ■ Food Packaging

The MaxCube was designed for superior shipping efficiency and maximum cubic capacity. It offers non-sequential folding action and collapses easily to 13". On the production floor, the MaxCube is compatible with many types of dumping equipment. The reusable, collapsible MaxCube maximizes payloads while lowering shipping costs. With smooth interior surfaces and a cover to protect contents, the MaxCube ensures product cleanliness. It is manufactured in FDA approved material to meet sanitary requirements for packaging handling in food, beverage, and pharmaceutical applications.

Smooth interior walls prevent product damage during loading and unloading.

Recessed cover reduces damage (included with container).

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Large, easy-release latches for rapid assembly and collapse.

Protected area for multiple identification options.

4-way fork truck entry

HDMX4845-50

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
CONTAINER																	
HDMX4845-50	48.0	44.5	50.0	45.0	41.5	43.9	13.0	1,000	140.0	50.0	4 high	2 high	4.0:1	N/A	N/A	N/A	N/A
	1219.2	1130.3	1270	1143	1054.1	1115	330.2	450.0	63.0	1.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
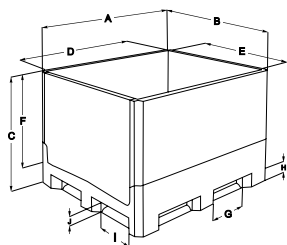
Specifications (continued)

Model	Fork Openings				40' Container Quantities (w/covers)		53' Truckload Quantities (w/covers)	
	Height		Width					
	Long Side (H)	Short Side (J)	Long Side (G)	Short Side (I)	Collapsed	Assembled	Collapsed	Assembled
HDMX4845-50	3.5	3.5	13.0	10.5	126	36	182	56
	88.9	88.9	330.2	266.7	N/A	N/A	N/A	N/A

* Weight includes cover.

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All dimensions and specifications are approximate. 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.

OPTE BULK SYSTEM

Cosmetic Packaging ■ Health Care Packaging ■ Pharmaceutical Packaging ■ Furniture ■ Apparel ■ Window/Door ■ Automotive

The OPTE Bulk System is an economical collapsible bulk container comprised of two mirror image pallets and a reusable sleeve. Select pallets feature a locking tab that secures the sleeve to the pallet and top cap. Sleeves can be fabricated from paper or plastic corrugated materials with custom features designed to meet a variety of applications. Multiple custom sleeve heights and designs are available. ORBIS offers custom printing and graphics available for easy identification. OPTE Bulk sleeves are available with drop panels, split-sleeves and steel wire reinforced walls. The pallet/top cap design allows for maximum cube utilization in trailers.

Protects contents from dust and dirt. Sleeves available in corrugated or plastic corrugated materials

Split-sleeve style available for easy access to product. Custom heights available.

Eliminates the need for banding or stretch wrapping pallet loads.

Z Fold style sleeve available for easy collapse. Custom heights available.

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

Pallets available from 30" x 52" to 48" x 57".

Lightweight, easy to handle sleeves collapse when empty to save money on return freight and storage. Access doors available.

Flat deck eliminates product damage and narrow channel ensures secure sleeve fit.

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Pallet identification options include molded-in identification areas, hot-stamps, identification plates, vinyl labels and custom color striping. See p. 97 for pallet options.

OPTE Bulk Specifications All dimensions in English, unless otherwise specified.

Model	Outside Dimensions		Total Height*	Weight (lb.)	Material Starting Gauge	Maximum Load Capacity (lb.)**		Forklift Entry	Hand Truck Entry	53' Truckload Quantities
	L	W				Static	Dynamic			
STRUCTURAL FOAM MIRROR IMAGE PALLETS										
OPTE 45 x 48 MI CISF	48.0	45.0	8.0	43.0	N/A	20,000	4,000	4 way	4 way	832
OPTE 48 x 48 MI CISF	48.0	48.0	8.0	46.0	N/A	20,000	4,000	4 way	4 way	832
SINGLE SHEET THERMOFORMED MIRROR IMAGE PALLETS										
OPTE 30 x 52 MI CISS	52.0	30.0	7.0	14.0	0.250	10,000	2,000	4 way	2 way	1008
OPTE 32 x 44 MI CISS	44.0	32.0	7.0	15.0	0.300	10,000	2,000	4 way	2 way	1140
OPTE 35 x 55 MI CISS	54.5	34.5	7.0	25.0	0.350	10,000	3,000	4 way	4 way	748
OPTE 38 x 54 MI CISS	54.0	38.0	7.0	24.0	0.300	10,000	2,000	4 way	4 way	660
OPTE 40 x 48-B MI CISS	48.0	40.0	7.0	19.5	0.250	10,000	3,000	4 way	4 way	750
OPTE 45 x 48 MI CISS	48.0	45.0	7.0	22.0	0.300	10,000	2,000	4 way	4 way	780
OPTE 48 x 57 MI CISS	57.0	48.0	7.0	38.0	0.250	10,000	3,000	4 way	4 way	660
STRUCTURAL CHANNEL MIRROR IMAGE PALLETS										
OPTE 40 x 48 MI CISC	48.0	40.0	7.0	25.0	N/A	10,000	3,000	4 way	4 way	900

*   Deck height is 5.5" on pallets.
**   Maximum Load Capacity is for pallet only, weight capacity does NOT apply to sleeves.

CUSTOM

New product launches, quality improvement requirements, new automated equipment, changing production processes, plant expansions or new labor practices may require customized packaging.

ORBIS' state-of-the-art design capabilities, combined with materials and manufacturing expertise, drive the development of custom reusable totes, Maximus side-loading containers, fabricated bulk containers and customer protective dunnage for today's leading companies.

ORBIS Design and Sales Engineers focus specifically on the design and fabrication of dunnage used to protect highly sensitive automotive, appliance and electronics components.

From concept through final production, ORBIS offers the expertise to develop cost-effective packaging products to optimize today's fast-paced supply chains.
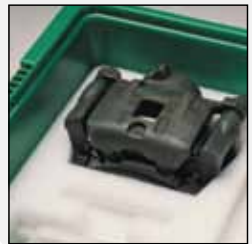
>> Totes, bulk containers and dunnage

>> Product protection, orientation, presentation, cushioning and shock support

>> Wide variety of materials and processes

>> Proven design approach that delivers value

>> State of the art tools and prototyping capabilities

CUSTOM

CUSTOM

2 Polyethylene

CUSTOM BULK CONTAINERS

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment

ORBIS fabricates bulk containers and hand-held 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.

Need additional part protection?
Work with ORBIS Sales Engineers to develop custom protective dunnage. Custom dunnage can be designed for any type of custom container. See pp. 61-64 for more information.

Inside corner reinforcements add strength and durability

Dunnage can be attached directly to interior sidewalls.

Covers can be customized to meet any customer need.

45 x 48 with doors and hinged cover

ID plates and a variety of identification options are available.

129 x 48

Multiple access door styles available, including drop doors, barn doors and fully removable doors.

A variety of closures are available, including hinge sets.

Reinforced fork entry pockets support heavy loads.
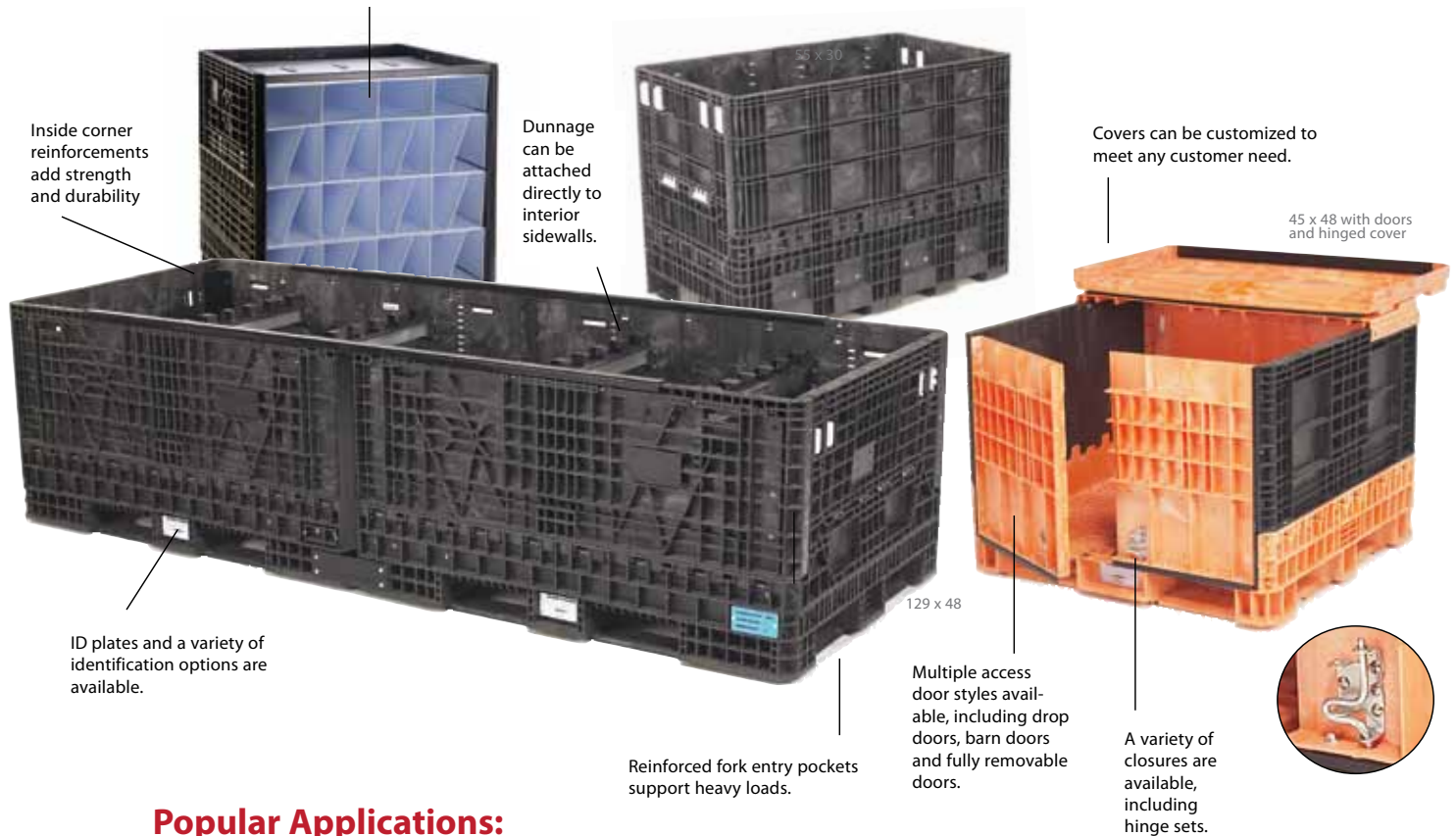
Popular Applications:

>> Removable walls and access doors

>> Reinforced corners

>> Reinforced fork entry pockets

>> Hinged lids

>> Fork strap removal

And much more….

Add length, width or height to any bulk container.

For more information about ORBIS' Cut-N-Weld capabilities, please see page 57.

CUSTOM BULK

CUSTOM BULK CONTAINERS

Electronics ■ Telecommunications ■ Furniture ■ Window/Door

ORBIS' custom solutions can be created from bulk and hand-held containers and can be configured with various drop door, sidewall, closure and cover options. 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.

Want to drive supply chain efficiency?
Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Single or double side load access available on any container.

Multiple reinforcement options available for additional durability.

Reinforcement plates can be added at seam for increased strength.

Full container access available.

Reinforcement plates add strength.

Riveted plates for identification labels and placards.

Ideal for a wide array of parts, including:

>> Side air curtains

>> Blow molded step bars

>> Brake and fuel lines

>> Long trim components

>> Roof ditch moldings

>> Luggage rack rails

>> Windows/doors

>> Furniture

And much more….

Need additional part protection?
Work with ORBIS Sales Engineers to develop custom protective dunnage. Custom dunnage can be designed for any type of custom container. See pp. 61-64 for more information.

CUSTOM BULK
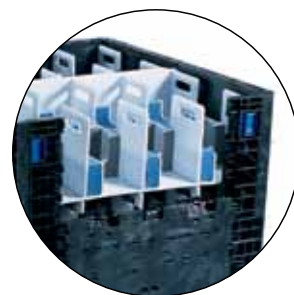
CUT-N-WELD™ BULKPAK® CONTAINERS

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment

Add length, width or height to existing ORBIS BulkPak Containers. Containers can be welded or bolted to create custom sizes to hold a variety of parts. Because each application is different, ORBIS offers custom Cut-N-Weld Bulk Containers that allow any standard BulkPak container to be modified to the exact dimensions needed for your application. They are ideal for transporting or storing large parts in reusable packaging and work-in-process applications. We will work closely with you to provide a bulk container that will meet the unique needs of your application.

Welded seams are smooth for easy and safe handling.

Want to drive supply chain efficiency? Talk to your ORBIS Sales Representative about Engineering Services to identify your needs and design a reusable packaging program to add efficiency to your entire system. See pp. 1-2 for more information.

Large spring loaded latches for safe and easy assembly and collapse.

Smooth interior walls for easy dunnage integration.

Access doors can be configured on any side, including the altered side of any container.

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Containers can be welded or bolted together to add length and maintain durability.

Four way forklift access.

CUT-N-WELD BULKPAK

Height

Width

Length

>> World class durability provides the strength and weight load capability required for the most rugged applications.

>> Collapsible or straight-wall styles available.

ORBIS® www.orbiscorporation.com

CUT-N-WELD™ STAKPAK CONTAINERS

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber

Add length, width or height to an existing injection-molded StakPak to create a durable, reusable container to fit your application. A Cut-N-Weld container offers the strength of injection molding and a short lead time, while eliminating the tooling costs associated with a custom order. Multiple identification options available. (See p. 7.)

ORBIS' innovative hot-plate technology creates strong bonds for container durability. It enables smooth inside surfaces, with no sharp edges or extrusions to damage product. The smooth inside welds create an easy fit for custom interior dunnage.

Ergonomic pocket handles for comfort and safety.

Custom welded for any part size and shape.

Optional handholes with or without plastic handle inserts.

Hot stamping, cardholders and label placards available. Has protected exterior space for customer identification.

Contoured surfaces for easy handling

Extended length pallets available for Cut-N-Weld containers. (See pp. 91 and 93.)

Need additional part protection? Work with ORBIS Sales Engineers to develop custom protective dunnage. See pp. 61-64 for more information.

Extended-length ORBIS pallets designed specifically for StakPak Cut-N-Weld Containers!

48 x 57 MI CISS (p. 93)

> Choose from:

   45 x 54, -56, -58 and -60 CISS (p. 91)

   48 x 57, -60 and -62 MI CISS (p. 93)

> Single sheet thermoformed (HMWPE)

> Extended lengths accommodate custom sized

   containers, including ORBIS' Cut-N-Weld™ containers

> Mirror-image design that allows the pallet to

   be used as a top cap

2 Polyethylene

MAXIMUS™ CONTAINERS

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment

The side-loading Maximus is ideal for delivering sequenced parts to the line. Replace heavy metal transport racks with this durable, one-piece bulk solution to handle and deliver parts to the line faster than ever. Due to advanced engineering, the rugged Maximus can be prototyped and manufactured much more rapidly than traditional metal racks with pigeon hole dunnage, while exhibiting comparable durability.

The side-loading feature improves productivity and reduces worker strain. Maximus containers are ideal for long parts used in the automotive, appliance and transportation equipment industries. Maximus containers reduce labor costs by lowering handling times. The one-piece Maximus can be delivered right to the line for immediate part availability with no unwrapping or unbanding.

Maximus containers enable versatile system integration that offers stacking compatibility with bulk containers and similar pallet systems. These containers prevent product shift or damage from dust /contaminants during transport with multiple closure options, including a heavy-duty vinyl curtain with easy velcro closure.

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.

Accommodates vinyl curtains and covers to keep parts in and dirt out.

Structural foam molded base and sidewalls for strength and durability.

Additional footprints and heights available.

HD4845-50

4-way fork and handtruck entry

HD4845-50

Ideal for packaging a wide variety of parts:

Interior Trim Components
>> Door trim panels
>> Center consoles
>> Pillar trim

Exterior Trim Components
>> Spoilers
>> Grills

Chassis/Electrical
>> Wiring harnesses
>> Headlamps
>> Coils/springs

>> Offers a flexible, cost-effective design that eliminates thousands of dollars in tooling costs and weeks of design and manufacturing lead times of steel racks.

>> Maximizes part protection with durable dunnage that holds parts in place during shipment. Class A surface protection is available. Supports Q1, ISO and zero-defect initiatives.

>> Improves worker safety and handling with side-load entry.

>> Offers same load capacity as comparably sized bulk containers.

>> Multiple product identification options available including cardholders, ID plates, molded-in logos, and label placards.

>> Approximately 20% less expensive on average compared to a steel rack.

>> Top caps or covers are available.

>> Available in multiple footprint and height options.

MAXIMUS

MAXIMUS™ RACKS

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment ■ Furniture ■ Window/Door

This side-loading rack accommodates all dunnage types and materials to create a packaging solution that protects parts throughout the supply chain. Due to advanced engineering, the rugged Maximus rack can be manufactured much more rapidly than traditional metal racks, while exhibiting comparable durability.

These racks are designed with single or double-sided access and offer a flexible, cost-effective design that eliminates tooling costs and weeks of design and manufacturing lead times for metal racks. Maximus racks are available in all standard bulk container sizes. Custom sizes can be manufactured to meet unique application needs.

Maximus racks reduce labor costs by lowering handling times and offer full recyclability. Racks are 90% plastic, for easy recycling. The durable metal frame can be easily removed and recycled. The treated metal frame is rust-free, so no rust debris will contaminate parts during storage or shipment.

Easily accommodates a wide array of custom-designed dunnage including plastic corrugated divider sets, hanging bags, trays, and solid HDPE.

Single or double-sided access available

Sample Savings Analysis*				
	Steel Rack	Maximus	% Difference	Savings
Part Information				
Annual Volume (Parts)	300,000	300,000	0%	N/A
Number of Working Days	240	240	0%	N/A
Parts Per Day	1,250	1,250	0%	N/A
Container Information				
Container Cost	$465	$375	-19%	$90
Container System Information				
Density Container	40	40	0%	N/A
System Days	10	10	0%	N/A
Total Containers Required	313	313	0%	N/A
Total Container Cost for System Fill	$145,313	$117,188	-19%	$28,125
Packaging Cost/Piece	$0.10	$0.08	-19%	$0.02
Costs per Year	**$29,062**	**$23,437**	**-19%**	**$5,625**
Costs Over 5 Years	**$145,312**	**$117,187**	**-19%**	**$28,125**

Shipping products via rail?
When requesting a quote, please indicate the planned mode of transportation. Additional reinforcement available for containers shipping via rail.

MAXIMUS

*Based on sample application with current costs at time of printing. All costs subject to change without notice.

CUSTOM PROTECTIVE DUNNAGE

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment

Rely on ORBIS for custom interior dunnage to protect valuable parts from damage during transport, assembly and storage. ORBIS dunnage is custom designed and constructed with durability in mind. Using a variety of materials and processes, ORBIS will provide the level of protection you require for your application. ORBIS designs and manufactures dunnage for a wide variety of containers and systems, including bulk containers, hand-held containers, pallets and custom containers.

OPTE Bulk Systems

Hanging Bags and
Fabric Pouches

Plastic Corrugated
Dividers

Maximus™ Container with
Pull-Out Drawer Dunnage

Custom Corrugated
Containers

PE and XLPE Foam Inserts

Benefits Include:

>> Part protection, separation and
   orientation

>> Shock and vibration protection

>> Cushioning support

>> Class A surface protection

>> Electrostatic discharge (ESD)
   protection

>> Safe and ergonomic part presentation

>> Improved container load distribution

>> Reduced transport costs

>> Consistent inventory measurements

>> Reduced packaging costs

>> Reduced waste

>> Reduced down-time on
   production lines

CUSTOM PROTECTIVE DUNNAGE

Electronics ■ Telecommunications ■ Furniture ■ Window/Door

ORBIS offers a team of Design and Sales Engineers that work closely with customers to analyze their system and design dunnage to meet their requirements. ORBIS engineers provide technical expertise, design experience, personalized service, immediate design feedback, expedited prototyping and seamless implementation. ORBIS is fully integrated to provide customers with a complete working system of pallets, containers and custom dunnage to meet any reusable packaging need. As a result, ORBIS provides total control over the manufacturing processes of both the container and dunnage to ensure the proper integration of the entire system.

Dunnage Design Process

ORBIS uses an easy 5-step design approach to ensure that their dunnage solutions meet customers' needs:

1. Concept: ORBIS assesses the customers' needs, documents design requirements and discusses possible solutions.

2. Design: Using this information, ORBIS designs and presents a solution to the customer. While designing, ORBIS engineers select the best material and manufacturing processes to create the most cost-effective solution that offers maximum product protection. Upon customer approval of the design, ORBIS creates a detailed quotation.

3. Quotation: ORBIS' quotations outline price, tooling requirements and terms and conditions.

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

5. Evolve: As customers' packaging needs change, ORBIS continues to support these new applications with innovative designs and material offerings.

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

ORBIS Tools and Capabilities

ORBIS engineers can utilize 3D part math data along with translation software and 3D CAD design software to develop an initial design concept for customer review. Web-based collaborative tools are used to accelerate the design process.

Prototyping Capabilities

ORBIS' designs are CAD-based, which provides the ability to create prototypes exactly as they are designed. ORBIS prototyping provides customers with an approval process that ensures design accuracy.

On-Line Collaboration

ORBIS utilizes on-line tools for the productive flow of project and design information. This provides real-time communication that reduces project timelines and minimizes revisions.

State of the Art Manufacturing

ORBIS' ISO-Certified facilities offer a variety of processes and equipment to cost-efficiently manufacture dunnage that meets the specified design requirements.
ORBIS integrates and consolidates dunnage, containers and pallets for timely delivery.

CUSTOM PROTECTIVE DUNNAGE

Automotive ■ Transportation Equipment ■ Appliance ■ Industrial Equipment

ORBIS offers a wide variety of best-in-class **processes** to manufacture dunnage, including die-cutting, welding, machining, hot wire bending, thermoforming and sewing. Dunnage assembly and integration takes place at ORBIS ISO-Certified facilities by experienced staff for the timely delivery of entire systems of containers, dunnage and pallets.

Custom trays can be thermoformed and layered in containers.

Die-cut plastic corrugated pigeon hole dunnage can be inserted into side-loading Maximus™ Containers for improved part accessibility. The heavy-duty, clear vinyl curtain with an industrial strength velcro closure keeps parts clean. For more information on the Maximus, see pp. 63 and 64.

Saw-cut foam offers precise contouring for perfect part fit.

Sewn fabric bags provide improved versatility and part nestability. Fabric dunnage is also available for top and side-loading bulk containers.

Die-cut plastic corrugated can be laminated with numerous Class A friendly materials.

Die-cut foam rails offer part separation and Class A surface protection. Custom totes can be designed for any application.

CUSTOM PROTECTIVE DUNNAGE

Electronics ∎ Telecommunications ∎ Furniture ∎ Window/Door

ORBIS incorporates a wide variety of **materials** to deliver high quality creative dunnage designs. ORBIS Sales Engineers combine processes and materials to provide a truly unique and cost-effective solution. 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. Specialized materials are also available for Class A surface protection.

Duralok™ Part Cradles
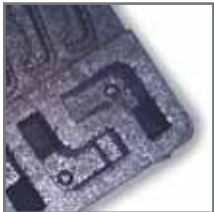
Molded Foam

Material	Thickness/Density	Standard Colors	Properties and Potential Applications
Plastic Corrugated* (PC)	2,3 and 4 mm	White, Grey (4 mm)	- Base Pads - Divider Sets for light to medium weight parts. - Can be laminated for Class A surface protection.
	5 and 6 mm	Black (5 mm), White, Gray	- Custom Containers - Divider Sets for heavier parts & bulk bin dunnage. - Can be laminated for Class A surface protection.
	8 mm	White	- Custom Sleeve Packs (OPTE Sleeves) - Divider Sets for heavy duty and bulk bin dunnage. - Can be laminated for Class A surface protection.
Surface Protecting Lamination	Spuntex XLPE Foam Tyvek	Blue, White Black White	- Typically applied to plastic corrugated for use in divider sets. - These smooth, non-abrasive laminates will protect your parts without damaging your Class A surfaces.
Crosslink Polyethylene Foam (XLPE)	#4 and #6	Grey, Natural	- Non-abrasive, resilient foam with excellent shock/vibration protection. - Ideal for parts with Class A surfaces & other abrasion sensitive parts.
Polyethylene Foam (PE)	2#	Grey, Natural	- Durable, resilient, low-abrasive foam with excellent shock/vibration protection. - Cushion packaging, interior dunnage & foam pads for lightweight parts. - High tear resistance and tensile strength.
	4#	Grey, Natural	- Intransitive, resilient foam with excellent shock/vibration protection. - Cushion packaging, interior dunnage, foam pads, blocking & bracing. - High tear resistance and tensile strength.
	6#	Grey	- 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	4mm (PC)	Pink	-Base pads & Divider Sets for medium weight parts. Ideal for electronics.
	2#, 4# (PE)	Pink	-Cushion packaging, interior dunnage, & foam pads. Ideal for electronics.
Industrial Fabric	13 oz PVC	Clear, Grey	- 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.
	22 oz PVC	Grey, White	
	Tyvek	White	
PolyUrea	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 - High temperature stability with a service temperature of up to 300*F.

Plastic Corrugated

PE and XLPE Foam

Foam and corrugated plastic assemblies

Fabric Bags

PALLETS

World-class companies in many industries have converted from wood to plastic pallets for their work-in-process, storage and distribution applications. They quickly recognize the economic, ergonomic and environmental benefits that plastic pallets bring to their operation. With more than 30 years of pallet manufacturing, design, application and industry experience, ORBIS Corporation offers the most comprehensive selection of plastic pallets to provide the best material handling solution.

These dimensionally consistent pallets are compatible with many palletizers, depalletizers, automatic strapping equipment and high-speed automation systems. Also, their consistent tare weights allow better inventory control. Load weights are easily obtained without costly and time-consuming off-loading.

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

>> Industry standard footprints

>> Areas for labels and RFID tags

>> Reduces product damage

>> Dimensionally consistent for repeatable performance in automated systems

>> Easy to clean

>> Ergonomically designed

PALLETS

FM 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.
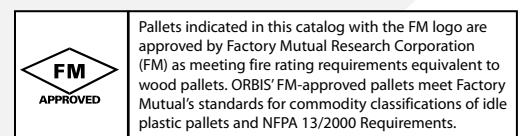
STRUCTURAL FOAM MOLDING	SINGLE OR TWIN SHEET THERMOFORMING (HMWPE)	INJECTION MOLDING
Plastic and nitrogen gas are injected into a closed cavity mold. The part is cooled to create the exact shape of the mold. The combined use of these materials creates a cellular core that forms a solid skin.	In single sheet thermoforming, a sheet of plastic is heated and then drawn by vacuum over a mold to create a part. In twin sheet thermoforming, two sheets are heated and drawn by vacuum over separate molds and fused together through pressure to form a structural double walled part.	Plastic is injected, under pressure, into a closed cavity mold. The material is cooled to ensure that it maintains the exact shape of the mold. This process produces a solid wall, solid core part.

PALLETS

INTERNATIONAL SHIPPING PALLETS

Automotive ■ Electronics ■ Appliance ■ Industrial Equipment

Solid wood packaging continues to pose unique challenges to companies conducting business globally. Issues include compliance with national and international laws, consideration of environmental threats and recycling opportunities, worker safety and delay or rejection of shipments at inspection points.

ISPM 15 is the newest challenge companies face when making global shipments. This regulation was introduced, and agreed to by many nations, to prevent the introduction of non-native, wood-borne pests. It requires the fumigation of all solid wood pallets.

The techniques used to adhere to this regulation are less than ideal. Chemicals are harmful to workers as well as the ozone while heat treatment is costly and degrades the wood, shortening the useful life of the pallet. Wood pallet disposal can also become a significant cost driver in international shipping with many wood pallets ending up in landfills after just one use.

Plastic pallets are a valuable cost-effective solution. Plastic products are fully exempt from ISPM 15 Regulations, as they cannot harbor pests, mold or fungus. This exemption helps companies receive product on time, with minimal wait times at ports.

The plastic pallets shown are limited-use pallets that are at price points comparable to wood pallets. Their smooth surfaces and lack of sharp edges protect workers from injury. At the end of their useful life, these pallets are recyclable. Nearly 100% of the content is recoverable and available for use in new pallets.

Available in nestable and stackable version!

40 x 48 CICP Export Pallet with optional runners (Page 83)

40 x 48 CISC LDS (Page 83)

Specifications All dimensions in inches unless specified.

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
40 x 48 CISC LDS	48.2	40.2	N/A	N/A	5.5	21.5	2.5:1	10,000	2,300	1,290
40 x 48 CISC LPD LDS	48.2	40.2	47.7	39.7	6.5*	21.5	2.5:1	10,000	2,300	1,290
40 x 48 CISC LPI LDS	48.2	40.2	46.1	37.8	6.5*	21.5	2.5:1	10,000	2,300	1,290
40 x 48 CICP	48.0	40.0	N/A	N/A	5.0	14.2	3.3:1	7,500	1,000	1,980
40 x 48 CICP with runners	48.0	40.0	N/A	N/A	5.75	17.8	N/A	7,500	1,750	540

* Height with lip

ORBIS Plastic Pallets for International Shipping

>> Eliminate the need for Methyl Bromide fumigation

>> Offer consistent weight and size for accurate transportation costs

>> Are environmentally friendly and 100% recyclable

>> Feature smooth, all plastic construction that reduce product damage (no exposed nails, rust, splinters or broken boards)

>> Reduce packaging waste by eliminating wood pallet disposal

>> Improve workplace safety with smooth design and stable stackability

>> Eliminate the costs and associated documentation required for heat treating or fumigation

[1] Guidelines for Regulating Wood Packaging Material in International Trade, produced by the Secretariat of the International Plant Protection Convention. (IPPC)

ORBIS® www.orbiscorporation.com

Structural Foam Molded   Thermoformed   Injection Molded
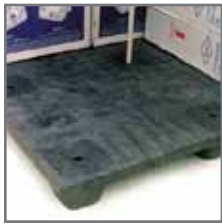
RETAIL DISPLAY PALLETS

Big Box ■ Electronics ■ Appliance ■ Grocery

ORBIS' all-plastic display pallets are available in a variety of footprints and accommodate a wide range of POP displays and structures. They easily create end-of-aisle displays. These pallets offers marketers an attractive display solution with efficient material handling. They offer a flat, smooth surface that allows easy set up in a warehouse or re-packing facility. Once pallets arrive at the retailer, they can be moved directly to sales floor, to reduce labor costs and storage space. The non-porous plastic construction enables easy floor cleaning and handling within the retail environment. Contoured corners won't damage product loads and are shopper-friendly and the heavy duty, solid body construction accommodates a variety of load sizes and weights.

48 x 48 POP Pallet
(See p. 91)

24x 48 No Access POP Pallet
(See pp. 76, 91)

24x 48 POP Pallet
(See pp. 76, 91)

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
24 x 48 POP	48.8	24.0	5.5	24.6	15,000	2,000	1,176
24 x 48 No Access POP	48.8	24.0	5.5	26.2	15,000	2,000	576
40 x 48 POP	48.0	40.0	5.5	39.3	30,000	4,000	784
42 x 48 POP	48.0	42.0	5.5	41.0	30,000	4,000	728
44 x 48 POP	48.0	44.0	5.5	42.0	30,000	4,000	728
46 x 48 POP	48.0	46.0	5.5	44.0	30,000	4,000	672
48 x 48 POP	48.0	48.0	5.5	46.0	30,000	4,000	616

40 x 48 POP pallet has rectangular legs; 42 x 48, 44 x 48, 46 x 48 and 48 x 48 POP pallets have square legs.

ORBIS Plastic Pallets for Retail:

>> Feature smooth, all plastic construction that reduces product damage (no exposed nails, rust, splinters or broken boards)

>> Offer consistent weight and size for accurate transportation costs

>> Are environmentally friendly and 100% recyclable

>> Enhances retail floor image

>> Reduce packaging waste by eliminating wood pallet disposal

>> Improve consumer safety with smooth, contoured designs

>> Multiple footprints available to meet store objectives and boost sales.

RETAIL DISPLAY PALLETS

EURO PALLETS

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

1200mm x 1000mm Stackable Pallet

> Patented snap-fit design allows for on-site repair
> Compatible with all palletizers, conveyors and automatic systems
> Available in FDA approved material
> Available in 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 97): Hot stamp, molded-in logo, grommets, bar coding, custom colors

FM APPROVED

Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
1200 x 1000 SuperPal	39.4	47.2	6.3	53.28	16,650	1,110	510
	1000.7	1198.8	160.0	24.0	7,500	500	
1200 x 1000 FM SuperPal	39.4	47.2	6.3	54.95	16,650	1,110	510
	1000.7	1198.8	160.0	24.75	7,500	500	

This is a non-standard product that is produced outside the United States. Lead times may vary. Minimum order sizes may apply.
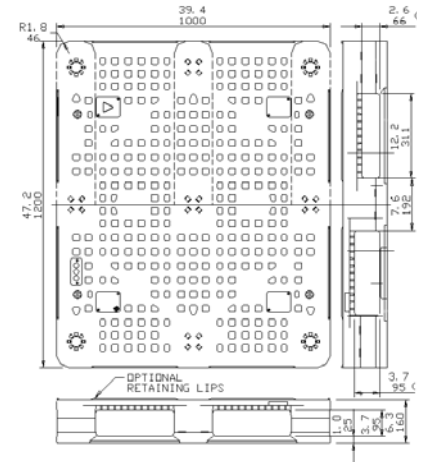
1090 x 1420 Stackable Pallet

> Patented snap-fit design for on-site repair
> Available in FDA approved material
> 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 2 pallet heights
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logo, grommets, 9 or 12 post design available

Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
1090 x 1420 GlassPal	42.9	55.9	5.5	60.2	16,650	1,110	Call ORBIS
	1089.6	1419.9	139.7	27.09	7,500	500	
1090 x 1420 GlassPal	42.9	55.9	5.0	60.2	16,650	1,110	Call ORBIS
	1089.6	1419.9	127.0	27.09	7,500	500	

This is a non-standard product that is produced outside the United States. Lead times may vary. Minimum order sizes may apply.
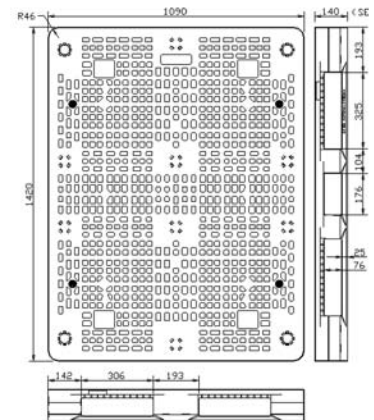
1100 x 1200 & 1100 x 1240 Stackable Pallet

> Patented snap-fit design for on-site repair
> Available in FDA approved material
> 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
> Impact resistant polypropylene material
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logo, grommets, reinforcing rods

Pictured: 1100 x 1200 BeerPal

Model	Dimensions (in/mm)			Weight (lb/kg)*	Load Capacity (lb/kg)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
1100 x 1200 BeerPal	43.3	47.2	5.9	58.0	16,650	1,110	504
	1099.8	1198.9	149.8	26.1	7,500	500	
1100 x 1240 BeerPal	43.3	48.8	5.9	58.0	16,650	1,110	504
	1099.8	1239.5	149.8	26.1	7,500	500	

Available in truckload and above quantities only.

* Weight without reinforcing rods.
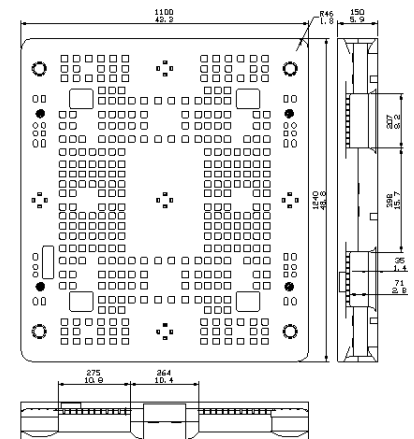
Drawing: 1100 x 1200 BeerPal

EURO PALLETS

ORBIS® www.orbiscorporation.com

Structural Foam Molded   Thermoformed   Injection Molded

EURO PALLETS

Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Beverage ■ Retail Display ■ Industrial
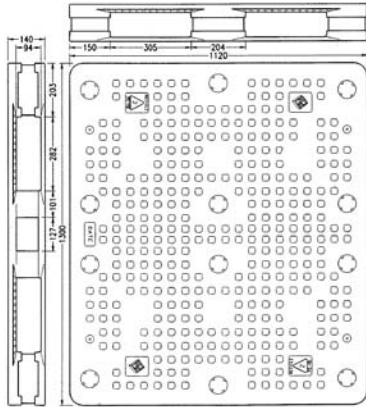
1120 x1300 Stackable Pallet

> Available in FDA approved material
> 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
> Recessed area for bar coding
> Tapered 4-way entry
> Options (p 97): 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
	L	W	H		Static	Dynamic	53' Trailer
1120 x 1300 BulkPal	44.1	51.2	5.5	50.7	16,650	1,110	Call ORBIS
	1120.1	1300.5	140.0	23.0	7,500	500	

Minimum order quantity requirement: 4,000
This is a non-standard product that is produced
outside of the United States. Lead times may vary.
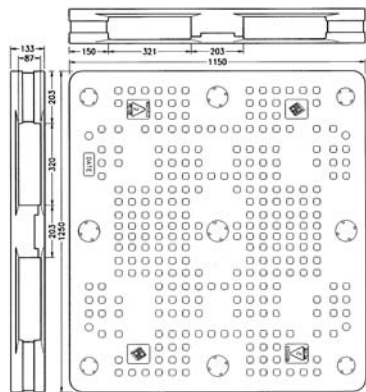
1150 x 1250 Stackable Pallet

> Available in FDA approved material
> 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
> Also available in 1180 x 1250 footprint
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logo, grommets, bar coding

Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
1150 x 1250 BulkPal	45.3	49.2	5.2	49.5	16,650	1,110	Call ORBIS
(Repairable)	1150.6	1249.7	133.0	22.28	7,500	500	
1180 x 1250 BulkPal	46.4	49.2	5.2	53.28	16,650	1,110	Call ORBIS
(Repairable)	1178.6	1249.7	133.0	24.0	7,500	500	

Available in truckload and above quantities only.
This is a non-standard product that is produced
outside of the United States. Lead times may vary.
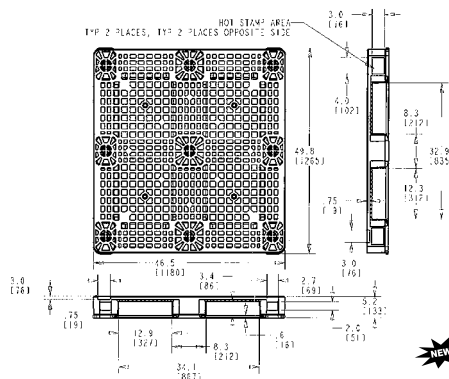
1180 x 1265 Stackable Pallet

> One-piece design
> Available in FDA approved material
> 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
> Also available in 1180 x 1250 footprint
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logo, grommets, bar coding, custom colors

Model	Dimensions (in/mm)			Weight (lb/kg)	Load Capacity (lb/kg)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
NEW! 1180 x 1265 BulkPal	46.5	49.8	5.2	47.6	16,650	1,110	Call ORBIS
	1180	1265	133	21.6	7,500	500	
NEW! 1180 x 1250 BulkPal	46.5	49.2	5.2	47.6	16,650	1,110	Call ORBIS
	1180	1250	133	21.6	7,500	500	

Available in truckload and above quantities only.
This is a non-standard product that is produced
outside of the United States. Lead times may vary.

EURO PALLETS

RACKABLE PALLETS

Health and Beauty Care ■ Food Processing ■ Beverage ■ Pharmaceutical ■ Automotive ■ Chemical ■ Dairy ■ Printing

Rackable plastic pallets optimize storage, reduce product damage that can occur from wood pallets and ease the movement of product loads throughout a system. ORBIS rackable plastic pallets are designed to store products in a wide variety of unsupported racking systems, to optimize valuable floor space in today's warehouses and distribution systems.

ORBIS offers multiple pallet styles for every racking application, with unsupported rack capacities of up to 3,000 lbs. These pallets are highly cleanable and available in a wide variety of materials, including FDA-approved and fire-retardant material. Plastic pallets are 100% recyclable at the end of their service life and can be returned for recycling.

Top 9 Reasons to Consider a Rackable Pallet:

1. Your unsupported pallet racks require dimensionally consistent pallets
2. Wood pallets cause costly product damage
3. Your ASRS, AGVs or high rise storage system requires a dimensionally consistent pallet
4. Your application has sanitation requirements
5. Your application requires highly impact-resistant handling solution
6. Your wood pallets need frequent repair
7. You have to invest in pallet support bars or wire decking to adequately support wood pallets in your facility.
8. Your insurance company recommends fire-retardant pallets
9. You use RFID to track pallets and product throughout your system

RACKABLE PALLETS

ORBIS® www.orbiscorporation.com

Rackable Pallet Specifications

Model	Outside Dimensions L	Outside Dimensions W	Inside Dimensions L	Inside Dimensions W	Height *	Weight (lb.)	Load Capacity (lb.) Static	Load Capacity (lb.) Dynamic	Rack Compatibility** (lb.) Selective / Edge ****	Rack Compatibility** (lb.) Decking / Center	Truckload Quantity 53' Trailer	See Page:
40 x 40 DY	40.0	40.0	39.1	39.1	5.0	40.0	30,000	5,000	2,500***	N/A	660	79
40 x 48 Stack'R Solid Deck	48.0	40.0	N/A	N/A	5.9	45.7	30,000	4,000	1,000*****	N/A	540	85
40 x 48 Stack'R Open Deck	48.0	40.0	N/A	N/A	5.9	42.0	30,000	4,000	750*****	N/A	540	85
40 x 48 Stack'R STR Solid Deck	48.0	40.0	N/A	N/A	5.9	48.1	30,000	4,000	1,500*****	N/A	540	85
40 x 48 Stack'R STR Open Deck	48.0	40.0	N/A	N/A	5.9	44.4	30,000	4,000	1,500*****	N/A	540	85
40 x 48 OP CIISF**	47.8	39.9	N/A	N/A	6.6	49.5	30,000	5,000	2,000	5,000	450	85
40 x 48 OP CIISF LP**	47.8	39.9	47.3	39.4	7.1	49.5	30,000	5,000	2,000	5,000	450	85
40 x 48 RACK'R**	48.0	40.0	N/A	N/A	5.69	56.0	30,000	5,000	2,800	5,000	570	86
40 x 48 RCKO**	48.0	40.0	N/A	N/A	6.25	49.0	30,000	5,000	2,200	5,000	510	86
40 x 48 RCKO LP**	48.0	40.0	47.4	39.4	6.75	49.0	30,000	5,000	2,200	5,000	510	86
40 x 48 RII CIISC PC FRM	48.0	40.0	N/A	N/A	6.00	59.0	30,000	6,000	3,000	6,000	510	86
40 x 48 RII CIISC PC FRM LPD	48.0	40.0	46.2	37.9	6.38	59.0	30,000	6,000	3,000	6,000	510	86
40 x 48 RII CIISC RNR	48.0	40.0	N/A	N/A	5.25	51.0	30,000	6,000	3,000	6,000	650	86
40 x 48 RII CIISC STR	48.0	40.0	N/A	N/A	6.00	55.0	30,000	6,000	3,000	6,000	510	86
40 x 48 RII CIISC STR GRM	48.0	40.0	N/A	N/A	6.00	55.0	30,000	6,000	3,000	6,000	510	86
40 x 48 RII CIISC STR LPD	48.0	40.0	46.2	37.9	6.38	55.0	30,000	6,000	3,000	6,000	510	86

FM APPROVED
"Subject to the conditions of approval as a plastic pallet as equivalent to wood pallets as described in the current edition of the FM Approval Guide."

* If the pallet has a lip, the lip height is included in the total pallet height. LP = Perimeter Lip, LPI = Inboard Perimeter Lip, LPD = Discontinuous Perimeter Lip
** Available in fire-retardant material. Product specification for fire-retardant pallets differ, please see individual page for product specifications. Racking capabilities for fire-retardant pallets may differ, please contact your ORBIS Sales Representative for additional information.
*** Reinforced version only.
**** Ratings are for column loads only. For all other load types, please contact your ORBIS Sales Representative.
***** Load capacity ratings for the 40 x 48 Stack'R are for edge racking in the 40" direction.

40 x 48 Stack'R
FM APPROVED

>> Medium-duty design ideal for food, consumer goods and agricultural applications.
>> Rackable and stackable design.
>> Available with or without center stringer and open or closed deck.
>> Available in FDA-approved material.

40 x 48 OP Pallet
FM APPROVED

>> Light-duty design ideal for food, pharmaceutical and industrial applications.
>> Available in FDA-approved and fire retardant material.

40 x 48 RackoCell
FM APPROVED

>> Highly sanitary, durable and easily washable.
>> One-piece construction engineered for the food manufacturing, meat, poultry and pharmaceutical industries.
>> Available in FDA-approved and fire retardant materials.

40 x 48 Rack'R
FM APPROVED

>> Available in FDA-approved and fire retardant materials.
>> Consistent weight, size and low profile make it compatible in most automated handling environments.
>> Special bottom deck reinforcement makes it suitable for push back and flow rack systems.

40 x 48 Rackstar II
FM APPROVED

>> Highly impact resistant.
>> Solid wall design maintains integrity, eliminates cold flow or "creep".
>> Increased durability and easy to sanitize.
>> Repairable stringers and picture frame bottom.
>> Customizable for fluid loads super sack applications.
>> 100% recyclable with fully removable reinforcement structure.

RACKABLE PALLETS

Interested in recycling your plastic pallets at the end of their service life? **"Recycle with ORBIS"** is a convenient program designed to effectively recover, recycle and reprocess plastic pallets into other useful products. To learn more, contact your ORBIS Sales Representative.

2 Polyethylene

STACKABLE & NESTABLE PALLETS

Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Beverage ■ Retail Display ■ Industrial ■ Appliance ■ Automotive

ORBIS stackable pallets are designed for handling and shipping heavy product loads in warehousing, processing and manufacturing environments. With static load capacities up to 30,000 lbs, these pallets are ideal for stack loading, conveying systems, distribution and static storage. Hygiene is a priority in most food, beverage and pharmaceutical environments. These non-porous, smooth plastic pallets are easily cleanable and available in FDA-approved materials. Additionally, several styles are available in fire-retardant materials and fully approved by Factory Mutual Insurance. Available in footprints from 32" x 30" to 48" x 72", ORBIS stackable pallets are available in one-piece, two-piece assembled and welded styles. The bottom deck surface and availability of multiple pallet heights accommodate all types of conveying system requirements. When combined with top caps, sleeves or seat belts, a fully unitized load is created, with no need for stretchwrapping or banding.

Top 9 Reasons to Consider a Stackable Pallet:

1. Your typical product loads are extremely heavy.
2. You often stack-load product in your operation.
3. You can't afford costly automated system downtime caused by wood pallets.
4. You frequently convey pallets in your facility, so the pallet height and bottom deck surface is important.
5. Preventing product contamination is a priority.
6. Product loads are weighed frequently for inventory control.
7. Hassle-free cleanability is important to you.
8. You are experiencing high hidden costs of wood pallets (repair, disposal, sorting, etc.)
9. Your insurance company recommends fire-retardant pallets.

ORBIS nestable pallets move, store and distribute product loads within a single warehouse/distribution center or entire supply chain. From raw material to finished goods, plastic pallets protect product until it reaches its final destination. When empty, these pallets nest for a cost-efficient return trip or warehouse storage.

Nestable pallets offer a long service life, contoured surfaces, superior recyclability and nest ratios up to 4.0:1. Their dimensional consistency ensures effortless interface with all types of high-speed automation and material handling equipment.

ORBIS nestable pallets, available in footprints from 20" x 28" to 48" x 62", are lightweight and easy to manually handle, with no nails, splinters or broken boards to risk employee injury. And, when combined with top caps, sleeves or seat belts, a fully unitized load is created, with no need for stretchwrapping or banding.

Top 8 Reasons to Consider a Nestable Pallet:

1. Your warehouse space is limited. Nestability enables storage of more smaller area.
2. Your transportation and freight costs are increasing because your wood pallets don't nest during the return trip.
3. You can't afford costly automated system downtime caused by wood pallets.
4. Your customer is requiring a cleaner and safer method to receive product shipments.
5. You frequently have to buy wood pallets to maintain your product flow.
6. Your pallet is often used in retail environments, so aesthetics and consumer safety are a priority.
7. You use RFID to track pallets and product throughout your system.
8. Most of your product shipments occur in a closed-loop system.

STACKABLE & NESTABLE PALLETS

Stackable Pallet Specifications

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		
32 x 30 CIISF	Structural Foam	32.25	30.25	30.3	28.7	6.6	29.5	-	2,500	969	77
32 x 38 HD LP	Structural Foam	38.0	32.0	36.2	30.2	6.5	35.0	20,000	4,000	912	77
36 x 36 CIISF	Structural Foam	35.9	35.9	N/A	N/A	5.6	34.0	20,000	3,000	816	78
36 x 42 FG[8]	Structural Foam	42.0	36.0	N/A	N/A	6.0	37.0	30,000	4,000	612	78
36 x 46 FG[8]	Structural Foam	46.0	36.0	N/A	N/A	6.0	39.8	30,000	4,000	612	78
36 x 48 FG[8]	Structural Foam	48.0	36.0	N/A	N/A	6.0	40.5	30,000	4,000	612	78
37 x 37 BevPal (Repairable)	Structural Foam	37.0	37.0	N/A	N/A	6.0	38.0	33,000	3,800	750	79
37 x 37 NPL 350	Injection-Molded	37.0	37.0	N/A	N/A	6.0	38.0	30,000	4,000	750	79
1200mm x 1000mm (39 x 47) SuperPal[8]	Structural Foam	47.2	39.4	N/A	N/A	6.3	53.0	33,000	3,800	510	69
40 x 40 DY	Structural Foam	40.0	40.0	39.1	39.1	5.0[1]	40.0	30,000	5,000	660	79
40 x 48 BulkPal[8] with 2.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	4.5	44.0	33,000	3,800	See Notes[3]	80
40 x 48 BulkPal with 2.5" connectors	Structural Foam	48.0	40.0	N/A	N/A	5.0	46.0	33,000	3,800	630	80
40 x 48 BulkPal with 3.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	5.5	47.0	33,000	3,800	570	80
40 x 48 BulkPal with 3.7" connectors	Structural Foam	48.0	40.0	N/A	N/A	6.2	49.0	33,000	3,800	510	80
40 x 48 BulkPal (double deck)	Structural Foam	48.0	40.0	N/A	N/A	4.5	47.0	33,000	3,800	See Notes[3]	80
40 x 48 CIISF	Structural Foam	47.8	39.9	N/A	N/A	5.8	39.0	30,000	3,500	510/1,040[2]	84
40 x 48 HDSC 3-Drum Pallet	Structural Foam	48.0	40.0	N/A	N/A	5.1	43.0	30,000	4,000	600	85
40 x 48 GrabPal[8] with 3.0" connectors	Structural Foam	48.0	40.0	N/A	N/A	5.5	46.0	33,000	3,800	570[6]	80
40 x 48 GrabPal[8] with 3.7" connectors	Structural Foam	48.0	40.0	N/A	N/A	6.2	48.0	33,000	3,800	510[6]	80
40 x 48 HDSC[8]	Structural Foam	48.0	40.0	N/A	N/A	5.1	43.0	30,000	4,000	600	85
42 x 48 HDSC[8]	Structural Foam	48.0	42.0	N/A	N/A	5.1	45.0	30,000	4,000	560	85
1090 x 1420 GlassPal[4]	Structural Foam	42.9	55.9	N/A	N/A	5.5	60.2	15,000	1,700	See Notes[3]	69
1090 x 1420 GlassPal[4]	Structural Foam	42.9	55.9	N/A	N/A	5.0	60.2	15,000	1,700	See Notes[3]	69
1100 x 1200 BeerPal	Structural Foam	43.3	47.2	N/A	N/A	5.9	58.0[5]	33,000	4,400	504[6]	69
1100 x 1240 BeerPal	Structural Foam	43.3	48.8	N/A	N/A	5.9	58.0[5]	33,000	4,400	504[6]	69
1120 x 1300 BulkPal[4]	Structural Foam	44.1	51.2	N/A	N/A	5.1	49.5	10,000	1,500	See Notes[3]	70
44 x 56 OCP	Structural Foam	56.0	44.0	N/A	N/A	4.4	40.0	30,000	See Notes[3]	528	88
44 x 56 BulkPal 2.0" con[6]	Structural Foam	56.0	44.0	N/A	N/A	4.5	55.0	33,000	3,800	575[7]	87
44 x 56 BulkPal 2.5" con[6]	Structural Foam	56.0	44.0	N/A	N/A	5.0	55.5	33,000	3,800	525[7]	87
44 x 56 BulkPal 3.0" con[6]	Structural Foam	56.0	44.0	N/A	N/A	5.5	56.0	33,000	3,800	475[7]	87
44 x 56 BulkPal with Solid Deck[6]	Structural Foam	56.0	44.0	N/A	N/A	4.5	58.0	33,000	3,800	575	87
44 x 56 DC LO	Structural Foam	56.0	44.0	N/A	N/A	4.4	48.0	30,000	4,000	528	87
44 x 56 DC HI	Structural Foam	56.0	44.0	N/A	N/A	5.1	52.0	30,000	4,000	440	87
44 x 56 EndPal[6]	Structural Foam	56.5	44.4	N/A	N/A	5.5	70.0	33,000	3,800	418	88
44 x 56 HD	Structural Foam	56.0	44.0	N/A	N/A	4.38	56.0	30,000	4,000	528	87
44 x 60 HD	Structural Foam	60.0	44.0	N/A	N/A	4.38	58.0	30,000	4,000	460	87
45 x 47.5 BulkPal with 2.0" connectors	Structural Foam	47.5	45.0	N/A	N/A	4.5	44.0	33,000	3,300	598[7]	88
45 x 47.5 BulkPal with 2.5" connectors	Structural Foam	47.5	45.0	N/A	N/A	5.0	44.0	33,000	3,300	546[7]	88
45 x 47.5 BulkPal with 3.0" connectors	Structural Foam	47.5	45.0	N/A	N/A	5.5	44.0	33,000	3,300	494[7]	88
45 x 47.5 BulkPal with 3.7" connectors	Structural Foam	47.5	45.0	N/A	N/A	6.2	44.0	33,000	3,300	416[7]	88
45 x 48-BR CIISF LP	Structural Foam	48.7	45.7	48.1	45.1	7.5	62.0	30,000	4,000	390	90
45 x 48-BR SBRR CIISF LP	Structural Foam	48.7	45.7	48.1	45.1	7.5	62.0	30,000	4,000	390	90
45 x 48 PT	Structural Foam	49.1	46.1	48.2	45.2	6.1	49.0	30,000	4,000	520	90
45 x 48 JOURNEY[8]	Structural Foam	48.9	45.9	48.3	45.3	6.0	55.0	30,000	4,000	442	90
45 x 48-A CIISF	Structural Foam	48.6	45.6	N/A	N/A	6.8	62.0	30,000	4,000	390	-
45 x 48 R CIISF (with lip)	Structural Foam	48.0	45.0	44.2	41.5	6.7	56.0	30,000	4,000	416	-
1150 x 1250 BulkPal[4] (Repairable)	Structural Foam	45.3	49.2	N/A	N/A	5.2	49.5	22,.000	3,300	See Notes[3]	70
1180 x 1250 BulkPal[4] (Repairable)	Structural Foam	46.4	49.2	N/A	N/A	5.2	51.6	22,000	3,300	See Notes[3]	70
1180 x 1265 BulkPal[4]	Structural Foam	46.5	49.8	N/A	N/A	5.2	47.6	22,000	3,300	See Notes[3]	70
1180 x 1250 BulkPal[4]	Structural Foam	46.5	49.2	N/A	N/A	5.2	47.6	22,000	3,300	See Notes[3]	70
48 x 48 CIISF	Structural Foam	47.9	47.9	N/A	N/A	6.8	65.0	30,000	4,000	390	92
48 x 48 Drum OP CIISF[8]	Structural Foam	48.8	48.8	N/A	N/A	5.5	57.0	30,000	4,000	494	92
48 x 48 HD DRM[8]	Structural Foam	48.0	48.0	N/A	N/A	5.5	58.0	30,000	4,000	494	92
48 x 48 HDSC[8]	Structural Foam	48.0	48.0	N/A	N/A	5.1	51.0	30,000	4,000	480	85
48 x 48 POP (available in 5 footprints)	Structural Foam	48.0	48.0	N/A	N/A	5.5	46.0	30,000	4,000	616	91
48 x 60 CIISF	Structural Foam	60.0	47.8	N/A	N/A	5.8	88.0	30,000	3,500	320	93
48 x 72 CIISF	Structural Foam	71.8	47.8	N/A	N/A	5.8	110.0	30,000	4,000	256	93

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

1 Height with optional lip
2 Unassembled.
3 Please contact your ORBIS Sales Representative.
4 Available in truckload and indicated quantities only. This is a non-standard product that is produced outside of the United States and lead times will vary.
5 Weight without reinforcing rods.
6 Available in truckload quantities only.
7 Based on "superwide" 53' trailer.
8 Available in fire-retardant material. Product specification for fire-retardant pallets differ, please see individual page for product specifications.

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 97.

NESTABLE PALLETS

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

## Nestable Pallet Specifications

Model	Manufacturing Process	Outside Dimensions L	Outside Dimensions W	Inside Dimensions L	Inside Dimensions W	Height*	Weight (lb.)	Nest Ratio	Load Capacity (lb.) Static	Load Capacity (lb.) Dynamic	Truckload Quantity 53' Trailer	See Page:
20 x 28 CISF	Structural Foam	28.1	19.5	N/A	N/A	5.3	9.4	1.8:1	5,000	1,500	2,880	76
24 x 48 CITS	Twin Sheet Thermoformed	48.4	24.4	N/A	N/A	5.3	10.5	3.5:1	15,000	2,500	2,500	76
24 x 48 POP	Structural Foam	48.8	24.0	N/A	N/A	5.5	24.6	N/A	15,000	2,000	1,176	76,91
24 x 48 No Access POP	Structural Foam	48.8	24.0	N/A	N/A	5.5	26.2	N/A	15,000	2,000	576	76,91
28 x 40 CISF	Structural Foam	40.1	28.1	N/A	N/A	5.3	18.9	1.8:1	10,000	2,000	1,440	76
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	77
32 x 45 CISS LP .300GA	Single Sheet Thermoformed	46.5	33.5	45.1	32.1	7.1	17.0	2.0:1	15,000	2,500	1,140	78
32 x 48 CITS	Twin Sheet Thermoformed	48.1	32.4	N/A	N/A	5.3	15.0	3.5:1	15,000	3,000	2,280	76
36 x 36 CITS	Twin Sheet Thermoformed	36.0	36.0	N/A	N/A	5.3	11.5	3.5:1	15,000	3,000	1,700	76
36 x 48 CITS	Twin Sheet Thermoformed	48.1	36.6	N/A	N/A	5.3	13.0	3.5:1	15,000	3,000	2,040	76
40 x 40 CITS	Twin Sheet Thermoformed	40.3	40.3	N/A	N/A	5.5	14.0	3.5:1	15,000	3,000	1,800	76
40 x 48-B GMA CISF	Structural Foam	48.2	40.2	N/A	N/A	5.8	34.0	2.2:1	30,000	4,000	1,200	82
40 x 48-B GMA CISF LPD	Structural Foam	48.2	40.2	47.5	39.5	6.8	34.0	2.2:1	30,000	4,000	1,200	82
40 x 48-B GMA CISF LPI	Structural Foam	48.2	40.2	46.0	37.7	6.8	34.0	2.2:1	30,000	4,000	1,200	82
40 x 48 CISC	Structural Channel	48.2	40.2	N/A	N/A	5.5	21.5	2.5:1	15,000	2,500	1,290	83
40 x 48 CISC LPD	Structural Channel	48.2	40.2	47.7	39.7	6.5	21.5	2.5:1	15,000	2,500	1,290	83
40 x 48 CISC LPI	Structural Channel	48.2	40.2	46.1	37.8	6.5	21.5	2.5:1	15,000	2,500	1,290	83
40 x 48 CISC LDS	Structural Channel	48.2	40.2	N/A	N/A	5.5	21.5	2.5:1	10,000	2,300	1,290	83
40 x 48 CISC LPD LDS	Structural Channel	48.2	40.2	47.7	39.7	6.5	21.5	2.5:1	10,000	2,300	1,290	83
40 x 48 CISC LPI LDS	Structural Channel	48.2	40.2	46.1	37.8	6.5	21.5	2.5:1	10,000	2,300	1,290	83
40 x 48 CISS LP .300GA w/ lip & drain holes	Single Sheet Thermoformed	48.7	40.9	48.0	40.3	7.3	21.0	3.0:1	15,000	2,500	1,680	80
40 x 48 CISS MI LP .300GA	Single Sheet Thermoformed	49.7	41.6	48.3	40.3	6.5	21.0	2.6:1	15,000	2,000	900	80
40 x 48 CICP** (Stack/Nest)	Injection Molding	48.0	40.0	N/A	N/A	5.0	17.8/14.2	3.3:1	7,500	1,000	1,980	83
40 x 48 FRS (Freezer Spacer)	Structural Foam	48.0	40.0	N/A	N/A	1.5	15.5	N/A	N/A	N/A	1,620	84
40 x 48 HD CISF	Structural Foam	47.3	39.3	N/A	N/A	5.0	29.0	3.6:1	30,000	3,000	1,408	84
40 x 48 LD CISF LP	Structural Foam	48.8	40.8	48.0	39.8	5.6	22.0	4.0:1	20,000	2,500	1,800	81
40 x 48 NPL 352	Structural Foam	48.75	40.5	48.25	40.0	7.0	27.5	3.5:1	-	1,750	1,320	81
40 x 48 POP	Structural Foam	48.0	40.0	N/A	N/A	5.5	39.3	N/A	30,000	4,000	784	91
40 x 48 SBRR CISC	Structural Channel	48.2	40.2	N/A	N/A	5.5	21.5	2.3:1	15,000	2,500	1,290	83
40 x 48 SBRR CISC LPD	Structural Channel	48.2	40.2	47.7	39.7	6.5	21.5	2.3:1	15,000	2,500	1,290	83
40 x 48 SBRR CISC LPI	Structural Channel	48.2	40.2	46.1	37.8	6.5	21.5	2.3:1	15,000	2,500	1,290	83
40 x 48 TRN2	Structural Foam	48.0	40.0	N/A	N/A	6.0	37.0	2.0:1	30,000	4,000	900	81
40 x 48 TRN3	Structural Foam	48.0	40.0	N/A	N/A	6.0	37.0	3.0:1	30,000	4,000	1,204	81
40 x 48 TS	Twin Sheet Thermoformed	48.0	40.0	N/A	N/A	6.0	21.0	2.25:1	15,000	3,000	1,260	83
40 x 48 VERSA PAL	Structural Foam	48.0	40.0	N/A	N/A	5.5	36.0	2.0:1	30,000	4,000	1,050	82
42 x 42 CITS	Twin Sheet Thermoformed	42.3	42.3	N/A	N/A	5.3	15.5	3.5:1	15,000	2,000	1,800	76
42 x 48 POP	Structural Foam	48.0	42.0	N/A	N/A	5.5	41.0	N/A	30,000	4,000	728	91
42 x 48 VERSA PAL	Structural Foam	48.0	42.0	N/A	N/A	5.5	37.0	2.0:1	30,000	4,000	1,232	82
42 x 48 CITS	Twin Sheet Thermoformed	48.9	42.8	N/A	N/A	5.3	18.0	3.5:1	15,000	3,000	1,680	76
44 x 48 POP	Structural Foam	48.0	44.0	N/A	N/A	5.5	42.0	N/A	30,000	4,000	728	91
44 x 48 VERSA PAL	Structural Foam	48.0	44.0	N/A	N/A	5.5	38.0	2.0:1	30,000	4,000	1,144	82
45 x 45 CITS	Twin Sheet Thermoformed	45.4	45.4	N/A	N/A	5.3	24.0	3.5:1	15,000	3,000	1,680	76
45 x 48 AUTO	Structural Foam	48.8	45.8	48.2	45.2	6.0	38.0	2.0:1	30,000	4,000	780	89
45 x 48-BR MI CISF LP	Structural Foam	48.7	45.7	48.1	45.1	6.6	41.0	2.6:1	30,000	4,000	936	89
45 x 48-BR SBRR CISF LP	Structural Foam	48.7	45.7	48.1	45.1	6.6	41.0	2.6:1	30,000	4,000	936	89
45 x 48-A CISF	Structural Foam	48.6	45.6	N/A	N/A	5.8	42.0	2.8:1	30,000	4,000	832	-
45 x 48-2 MI SBRR CISS LP .250GA	Single Sheet Thermoformed	49.4	46.4	48.2	45.2	7.6	21.0	1.9:1	15,000	2,500	754	89
45 x 54 MI CISS LP	Single Sheet Thermoformed	55.0	46.2	54.1	45.3	6.5	23.0	2.0:1	15,000	2,500	660	91
45 x 56 MI CISS LP	Single Sheet Thermoformed	57.0	46.2	56.1	45.3	6.5	24.0	2.0:1	15,000	2,500	660	91
45 x 58 MI CISS LP	Single Sheet Thermoformed	59.0	46.2	58.1	45.3	6.5	25.0	2.0:1	15,000	2,500	600	91
45 x 60 MI CISS LP	Single Sheet Thermoformed	61.0	46.2	60.1	45.3	6.5	26.0	2.0:1	15,000	2,500	600	91
46 x 48 POP	Structural Foam	48.0	46.0	N/A	N/A	5.5	44.0	N/A	30,000	4,000	672	91
46 x 48 VERSA PAL	Structural Foam	48.0	46.0	N/A	N/A	5.5	40.0	2.0:1	30,000	4,000	1,144	82
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	91
48 x 48 VERSA PAL	Structural Foam	48.0	48.0	N/A	N/A	5.5	42.0	2.0:1	30,000	4,000	1,056	82
48 x 48 POP	Structural Foam	48.0	48.0	N/A	N/A	5.5	46.0	N/A	30,000	4,000	616	91
48 x 57 MI CISS LP	Single Sheet Thermoformed	57.0	48.0	56.0	47.0	6.8	29.0	3.5:1	15,000	2,000	840	93
48 x 60 MI CISS LP	Single Sheet Thermoformed	60.0	48.0	59.0	47.0	6.8	31.0	3.5:1	15,000	2,000	840	93
48 x 62 MI CISS LP	Single Sheet Thermoformed	63.0	48.0	62.0	47.0	6.8	32.0	3.5:1	15,000	2,000	840	93

* If the pallet has a lip, the lip height is included in the total pallet height.
LPI = Inboard Perimeter Lip, LPD = Discontinuous Perimeter Lip
** Also available in a stackable style. Weight is for nestable pallet.

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 ccessories, please see page 97.

Structural Foam Molded   Thermoformed   Injection Molded

NESTABLE PALLETS

PLASTIC PALLETS

Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Beverage ■ Retail Display ■ Industrial
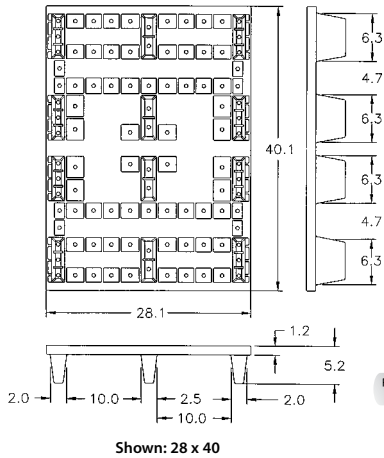
20 x 28 & 28 x 40 Nestable Pallet & Top Cap

> Available in two sizes: 20 x 28 or 28 x 40
> Legs fit in molded-in pockets on the 20 x 28 or 28 x 40 top cap, locking the load together
> Fork Truck Entry: 2-way, Hand Truck Entry: 2-way
> Options (p 97): Hot stamp, ID Plates (28 x 40 CISF only)

Shown: 28 x 40

Recommended Top Cap

Pictured: 28 x 40 CISF

Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
20 x 28 CISF	28.1	19.5	5.3	9.4	1.8:1	5,000	1,500	2,880
20 x 28 TOPCAP CISF	28.1	19.5	1.2	7.3	1.0:1	N/A	N/A	3,600
28 x 40 CISF	40.1	28.1	5.3	18.9	1.8:1	10,000	2,000	1,440
28 x 40 TOPCAP CISF	40.1	28.1	1.2	14.7	1.0:1	N/A	N/A	1,800

24 x 48 to 45 x 48 Nestable Pallets

> Starting Sheet Gauge is 0.250"
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way (24 x 48 CITS only available with 2-way Hand Truck Entry)
> Options (p 97): Molded-in logo, custom color striping, vinyl labels, ID plates

Shown: 24 x 48
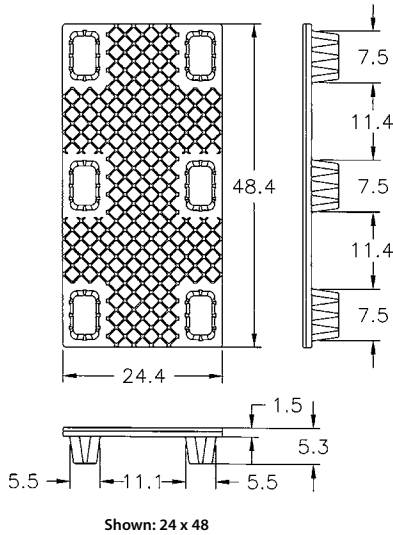
Pictured: 24 x 48

Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
24 x 48 CITS*	48.4	24.4	5.3	10.5	3.5:1	15,000	2,500	2,500
32 x 48 CITS	48.1	32.4	5.3	15.0	3.5:1	15,000	3,000	2,280
36 x 36 CITS**	36.0	36.0	5.3	11.5	3.5:1	15,000	3,000	1,700
36 x 48 CITS**	48.1	36.6	5.3	13.0	3.5:1	15,000	3,000	2,040
40 x 40 CITS**	40.3	40.3	5.5	14.0	3.5:1	15,000	3,000	1,800
42 x 42 CITS	42.3	42.3	5.3	15.5	3.5:1	15,000	2,000	1,800
42 x 48 CITS**	48.9	42.8	5.3	18.0	3.5:1	15,000	3,000	1,680
45 x 45 CITS	45.4	45.4	5.3	24.0	3.5:1	15,000	3,000	1,680

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.

* Vinyl label and ID plates not available for this model.
** Molded-in logo not available for this model.

28 x 48 POP Pallet

> Designed for retail distribution and merchandising
> Nestable for efficient return transportation
> Fork Truck Entry: 2-way, Hand Truck Entry: 2-way
> Options (p 97): Hot stamp, ID plates, access guard on short sides

Pictured: 24 x 48 POP

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
24 x 48 POP	48.8	24.0	5.5	24.6	15,000	2,000	1,176
24 x 48 No Access POP	48.8	24.0	5.5	26.2	15,000	2,000	576
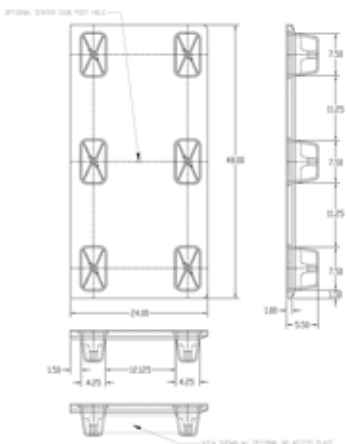
PLASTIC PALLETS

Industrial ■ Automotive ■ Heavy Truck Manufacturing

30 x 32 Stackable Pallet & Top Cap

> Compatible with 14" x 08", 16" x 15" and 32" x 15" StakPak containers
> Structural foam molded
> "No guess" loading, with molded-in ridges to securely and accurately position containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way (32" side)
> Options (p 97): Seat belt retractors (30" sides only), ID plates

Recommended Top Cap
Recommended Top Cap
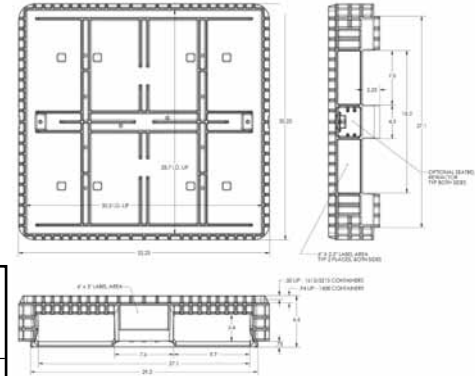
Model	Outside Dimensions		Inside Dimensions		Height* (in.)	Weight (lb.)	Load Capacity Dynamic (lb.)	Truckload Quantity 53' Trailer (105" Door)
	L	W	L	W				
32 x 30 CIISF	32.25	30.25	30.3	28.7	6.6	29.5	2,500	969
32 x 30 TC CIISS 1408	33.40	31.40	29.9	28.8	4.5	8.3	N/A	1,500
32 x 30 TC CIISS16/3215	33.40	31.40	32.1	30.2	4.5	8.3	N/A	1,500

*Height includes .93" lip.

30 x 36 Nestable Pallet & Top Cap

> Compatible with 12" x 15" and 12" x 07" StakPak containers
> Twin sheet thermoformed (HMWPE)
> Pallet Starting Sheet Gauge: 0.280"
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Molded-in logo, custom color striping, ID plates, vinyl labels, seat belt retractors (30" sides only)
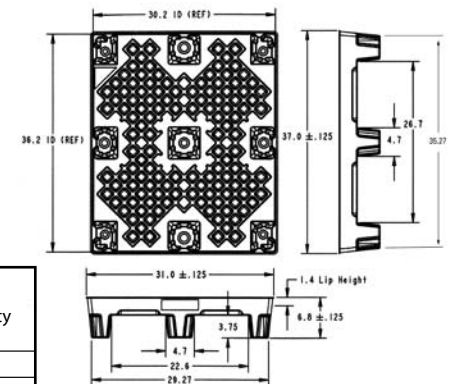
Recommended Top Cap

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 HD Structo-Cell® Stackable Pallet

> Compatible with 12" x 15" and 12" x 07" StakPak Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way
> Options (p 97): Molded-in logo, hot stamp, ID plates, seat belt retractors
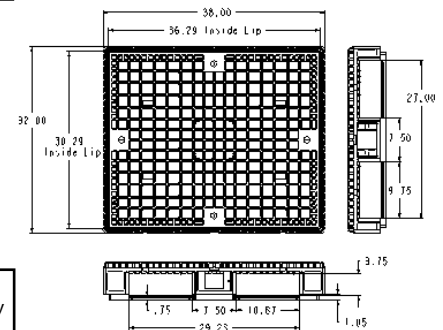
Recommended Top Cap

Model	Outside Dimensions		Inside Dimensions		Height with Lip	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	35.0	20,000	4,000	912
32 x 38 HD TOPCAP	36.9	30.9	N/.A	N/A	3.25	15.0	N/A	N/A	2,925

Structural Foam Molded   Thermoformed   Injection Molded

PLASTIC PALLETS

Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Beverage ■ Retail Display ■ Industrial
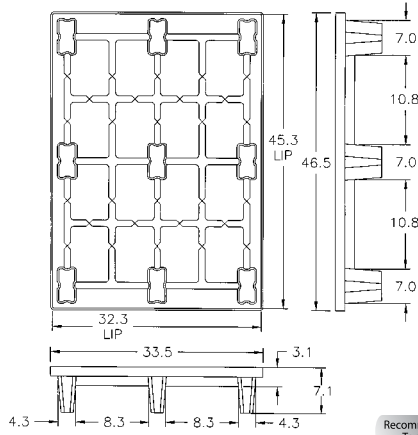
32 x 45 Nestable Pallet & Top Cap

> Single sheet thermoformed (HMWPE)
> Compatible with 32" x 15" and 16" x 15" StakPak Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Custom color striping, vinyl labels, ID plates, seat belt retractors (32" sides only)

Recommended Top Cap

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
32 x 45 CISS LP .300GA	46.5	33.5	45.1	32.1	7.1	17.0	2.0:1	15,000	2,500	1,140
32 x 45 TOPCAP CISS .250GA	45.8	32.8	45.1	32.1	2.9	14.0	1.9:1	N/A	N/A	2,280
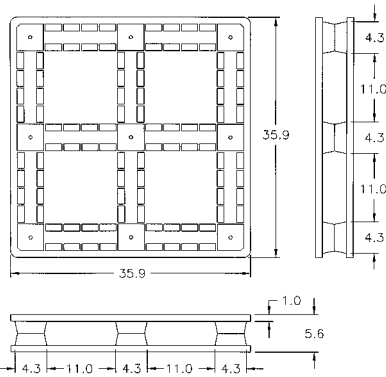
36 x 36 Stackable Pallet

> Double deck rackable pallet
> Easily repairable
> Ideally suited for the beverage industry, or in pallet racking and conveyor systems
> Fork Truck Entry: 4-way, Hand Truck Entry: Test

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
36 x 36 CIISF	35.9	35.9	5.6	34.0	20,000	3,000	816

Rack Compatibility*		
Selective / Edge	Decking	Center
1,000	3,000	1,500

*Compatibility may change based on application.
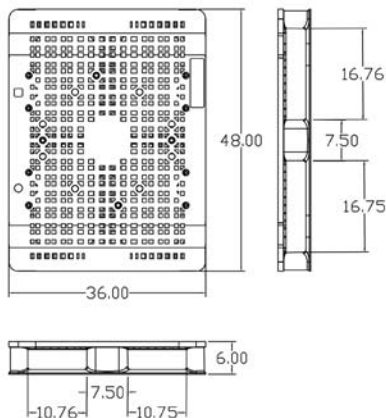
36 x 42 - 36 x 48 Finished Goods Pallet

> Available in FDA approved material
> EMABOND® welding process
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Molded-in logo, hot stamp, grommets, ID plates, 12 rubber grommets

FM APPROVED

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
36 x 42 FG	42.0	36.0	6.0	37.0	30,000	4,000	612
36 x 42 FM FG	42.0	36.0	6.0	39.0	30,000	4,000	612
36 x 46 FG	46.0	36.0	6.0	39.8	30,000	4,000	612
36 x 46 FM FG	46.0	36.0	6.0	41.8	30,000	4,000	612
36 x 48 FG	48.0	36.0	6.0	40.5	30,000	4,000	612
36 x 48 FM FG	48.0	36.0	6.0	42.5	30,000	4,000	612

32 x 45 - 36 x 48 PALLETS

PLASTIC PALLETS

Beverage ■ Dairy ■ Food Processing & Distribution

37 x 37 Stackable Pallet

> Rackable
> Post-in-post configuration for impact durability
> Compatible with most palletizers and conveyors
> Available in FDA approved material
> Designed to ship beverage products, aluminum and steel cans, glass and plastic bottles and other rigid packages
> Tapered 4-way entry
> Options (p 97): Anti-skid disks, deck roughing
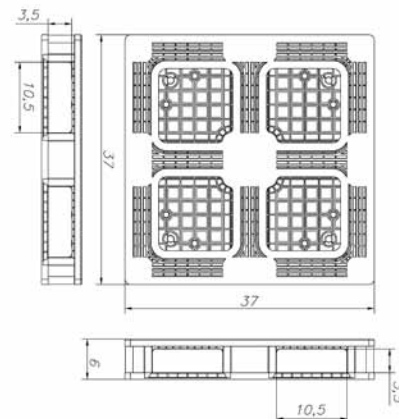
Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
37 x 37 NPL 350	37.0	37.0	6.0	38.0	30,000	4,000	750

37 x 37 Stackable Pallet

> Patented snap-fit design allows for on-site repair
> Compatible with most palletizers and conveyors
> Available in FDA approved material
> Designed to ship beverage products, aluminum and steel cans, glass and plastic bottles and other rigid packages
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logo, bar coding, custom colors, 4 deck grommets, 4 fork tine grommets
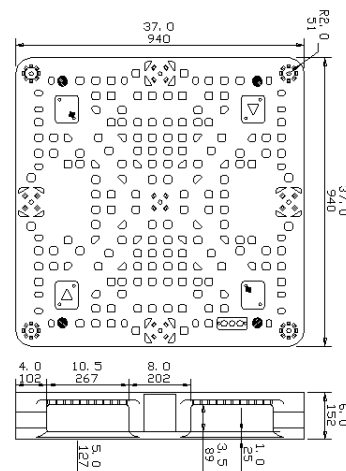
Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
37 x 37 BevPal	37.0	37.0	6.0	38.0	33,000	3,800	750

Available in truckload and above quantities only.

40 x 40 Dairy Pallet

> Available in FDA approved material
> Compatible with ORBIS dairy cases (p. 26.)
> Available with standard or narrow stringer
> Multiple lip options available
> Fork Truck Entry: 2-way, Hand Truck Entry: 2-way
> Options (p 97): Hot stamp, molded-in logo, I-beam pultrusion reinforcement, optional flat deck, spin disks

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

37 x 37 - 40 x 40 PALLETS

Structural Foam Molded   Thermoformed   Injection Molded

40" x 48" PLASTIC PALLETS

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

40 x 48 Grab-a-Block®* Pallet

> Designed specifically for order pickers from Crown, Hyster, Raymond, Yale as well as regular lifts equipped with pallet clamps
> Tapered 4-way entry
> Also available with standard connectors in pallet heights of 5.0", 5.5" and 6.2"
> Options (p 97): Hot stamp, molded-in logo, roughed surface, bar coding, custom colors, 4 deck grommets, 4 fork tine grommets

FM APPROVED

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
40 x 48 GrabPal 3.0" con	48.0	40.0	5.5	46.0	33,000	3,800	570
40 x 48 GrabPal 3.7" con	48.0	40.0	6.2	48.0	33,000	3,800	510
40 x 48 FM GrabPal 3.0" con	48.0	40.0	5.5	48.0	33,000	3,800	570
40 x 48 FM GrabPal 3.7" con	48.0	40.0	6.2	50.0	33,000	3,800	510

* Patent Pending.   **Available in truckload and above quantities only.**
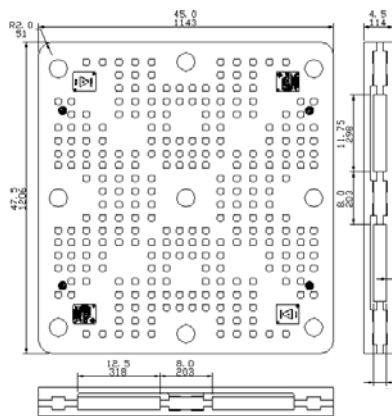
40 x 48 Bulk Pallet

> Patented snap-fit design for on-site repair
> Available in FDA approved materials
> Available in fire-retardant material (40x48 BulkPak w/ 2.0" connectors only)
> Tapered 4-way entry; various heights available
> Options (p 97): Hot stamp, molded-in logo, roughed surface, bar coding, full bottom deck, 4 deck grommets, 4 fork tine grommets

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Shown: 45 x 47.5 BulkPal

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
40 x 48 BulkPal with 2.0" connectors	48.0	40.0	4.5	44.0	33,000	3,800	Call ORBIS
40 x 48 FM BulkPal with 2.0" connectors	48.0	40.0	4.5	460	33,000	3,800	Call ORBIS
40 x 48 BulkPal with 2.5" connectors	48.0	40.0	5.0	46.0	33,000	3,800	630
40 x 48 BulkPal with 3.0" connectors	48.0	40.0	5.5	47.0	33,000	3,800	570
40 x 48 BulkPal with 3.7" connectors	48.0	40.0	6.2	49.0	33,000	3,800	510
40 x 48 BulkPal (double deck)	48.0	40.0	4.5	47.0	33,000	3,800	Call ORBIS
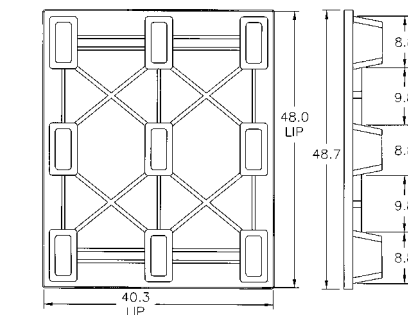
40 x 48 Nestable Pallets

> Single sheet thermoformed (HMWPE)
> Drain holes in legs
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): ID plates, vinyl labels, custom color striping

Pictured: 40 x 48 CISS LP .300GA

Shown: 40 x 48 CISS LP .300GA

Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
40 x 48 CISS LP .300GA*	48.7	40.9	48.0	40.3	7.3	21.0	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	21.0	2.6:1	15,000	2,000	900

* With lip and drain holes.

40 x 48 PALLETS

40" x 48" PLASTIC PALLETS

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40 x 48 Nestable 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 (lb.) Dynamic	Truckload Quantity 53' Trailer
	L	W	L	W					
NPL 352	48.75	40.5	48.25	40.0	7.0	27.5	3.5:1	1,750	1,320
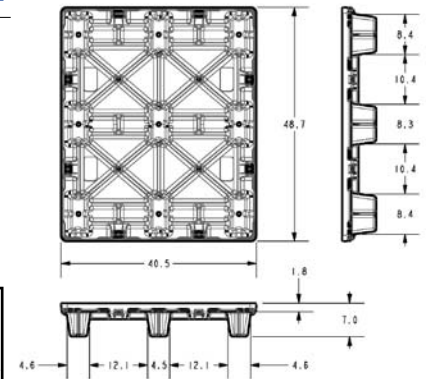
40 x 48 LD Nestable Pallet

> Pallet has a 5/8" raised lip to keep loads in place during movement
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way

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 LD CISF LP	48.8	40.8	48.0	39.8	5.6	22.0	4.0:1	20,000	2,500	1,800
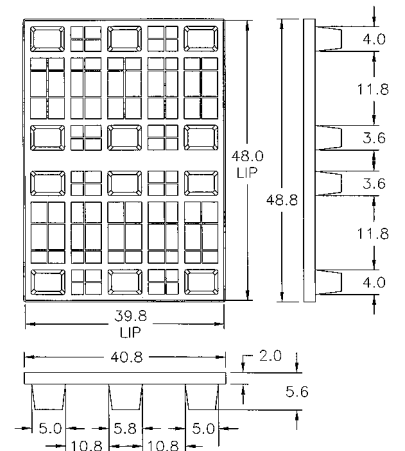
40 x 48 Transport Nestable Pallet

> Available in FDA approved material
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, non-skid diamond pattern surface, anti-skid spin disks

Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
40 x 48 TRN2	48.0	40.0	6.0	37.0	2.0:1	30,000	4,000	900
40 x 48 TRN3	48.0	40.0	6.0	37.0	3.0:1	30,000	4,000	1,204
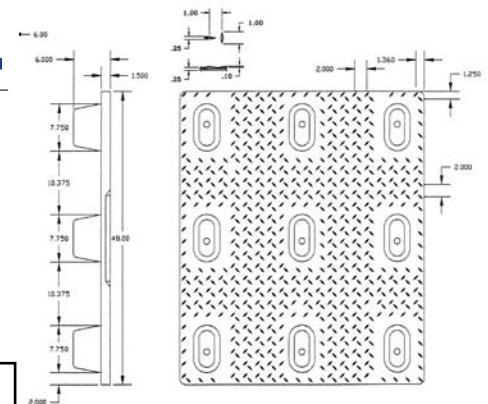
40 x 48 PALLETS

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Structural Foam Molded   Thermoformed   Injection Molded

40" x 48" PLASTIC PALLETS

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40 x 48 - 48 x 48 Versa-Pal™ Nestable Pallet

> Available in FDA approved material
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Full perimeter lip
> Options (p 97): Molded-in logo, hot stamp, anti-skid spin disks, foot covers, lip (outboard), non-skid diamond pattern surface

Pictured: 40 x 48 VERSA PAL, rectangular leg
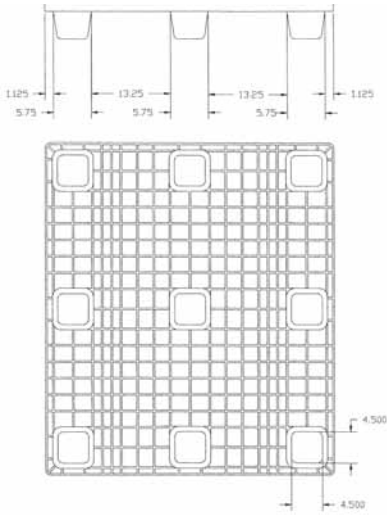
Shown: 42-48" x 48" VERSA, square leg

Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	H			Static	Dynamic	53' Trailer
40 x 48 VERSA PAL	48.0	40.0	5.5	36.0	2.0:1	30,000	4,000	1,050
42 x 48 VERSA PAL	48.0	42.0	5.5	37.0	2.0:1	30,000	4,000	1,232
44 x 48 VERSA PAL	48.0	44.0	5.5	38.0	2.0:1	30,000	4,000	1,144
46 x 48 VERSA PAL	48.0	46.0	5.5	40.0	2.0:1	30,000	4,000	1,144
48 x 48 VERSA PAL	48.0	48.0	5.5	42.0	2.0:1	30,000	4,000	1,056
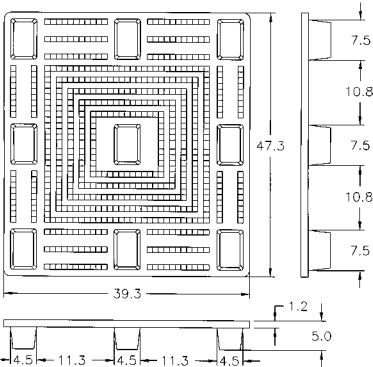
40 x 48 HD Nestable Pallet

> Large rectangular legs make it an excellent choice for most conveyor systems
> Drain holes in deck and feet
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo

Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	H			Static	Dynamic	53' Trailer
40 x 48 HD CISF	47.3	39.3	5.0	29.0	3.6:1	30,000	3,000	1,408
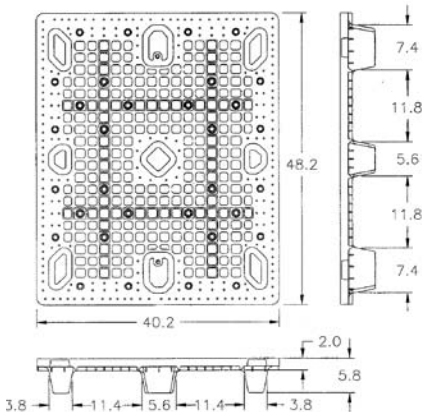
40 x 48-B GMA Nestable Pallet

> Available in FDA approved material
> Rubber grommet option reduces slippage during transport
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, inboard or perimeter lip, 16 deck grommets, 8 fork tine grommets, 9 foot grommets

Recommended Top Cap

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
40 x 48-B GMA CISF	48.2	40.2	N/A	N/A	5.8	34.0	2.2:1	30,000	4,000	1,200
40 x 48-B GMA CISF LPD	48.2	40.2	47.5	39.5	6.8*	34.0	2.2:1	30,000	4,000	1,200
40 x 48-B GMA CISF LPI	48.2	40.2	46.0	37.7	6.8*	34.0	2.2:1	30,000	4,000	1,200
40 x 48 GMA TOPCAP C CISS	48.5	40.1	N/A	N/A	2.7	17.0	2.3:1	N/A	N/A	1,800

* Height with Lip

40 x 48 PALLETS

40" x 48" PLASTIC PALLETS

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40 x 48 Nestable Structural Channel Pallet

> Nestable to reduce return freight costs
> Export pallet version also available. (LDS version) Export pallet version is produced in recycled material and available only in black.
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, ID plates, vinyl labels, 2 seat belts available on SBRR version, 1/4" or 1" inboard or outboard lip available, 16 deck grommets, 8 fork tine grommets, 9 foot grommets

Pictured: 40 x 48 CISC

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
STRUCTURAL CHANNEL PALLET										
40 x 48 CISC	48.2	40.2	N/A	N/A	5.5	21.5	2.5:1	15,000	2,500	1,290
40 x 48 CISC LPD	48.2	40.2	47.7	39.7	6.5*	21.5	2.5:1	15,000	2,500	1,290
40 x 48 CISC LPI	48.2	40.2	46.1	37.8	6.5*	21.5	2.5:1	15,000	2,500	1,290
40 x 48 SBRR CISC	48.2	40.2	N/A	N/A	5.5	21.5	2.3:1	15,000	2,500	1,290
40 x 48 SBRR CISC LPD	48.2	40.2	47.7	39.7	6.5*	21.5	2.3:1	15,000	2,500	1,290
40 x 48 SBRR CISC LPI	48.2	40.2	46.1	37.8	6.5*	21.5	2.3:1	15,000	2,500	1,290
EXPORT PALLET										
40 x 48 CISC LDS	48.2	40.2	N/A	N/A	5.5	21.5	2.5:1	10,000	2,300	1,290
40 x 48 CISC LPD LDS	48.2	40.2	47.7	39.7	6.5*	21.5	2.5:1	10,000	2,300	1,290
40 x 48 CISC LPI LDS	48.2	40.2	46.1	37.8	6.5*	21.5	2.5:1	10,000	2,300	1,290
TOP CAP										
40 x 48 GMA TopCAP C CISS .220GA	48.5	40.1	N/A	N/A	2.7	17.0	2.3:1	N/A	N/A	1,800

Recommended Top Cap

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.

* Height with Lip

NEW!
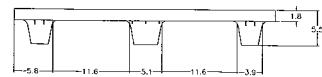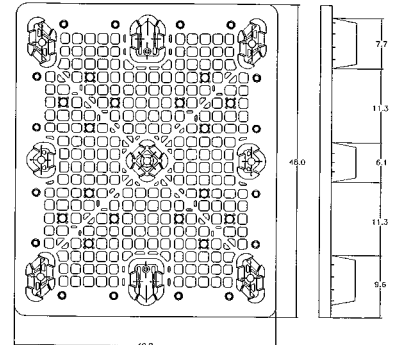
40 x 48 Nestable Pallet

> Designed for grocery distribution
> Better truckload utilization than competitive pallets
> Anti-skid surface
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): ID plates, molded-in logo, loading stripes

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
40 x 48 TS	48.0	40.0	N/A	N/A	6.0	21.0	2.25:1	15,000	3,000	1,260

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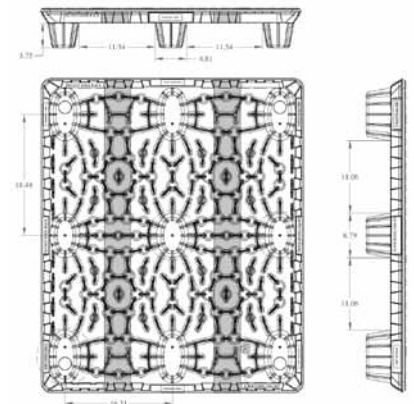
40 x 48 Export Pallet

> Produced from recycled material
> Available only in Black
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Closed deck, runners for stackability

Pictured with optional runners

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity
	L	W	L	W				Static	Dynamic	53' Trailer
40 x 48 CICP	48.0	40.0	N/A	N/A	5.0	14.2	3.3:1	7,500	1,000	1,980
40 x 48 CICP with runners	48.0	40.0	N/A	N/A	5.75	17.8	N/A	7,500	1,750	540

40 x 48 PALLETS

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40" x 48" PLASTIC PALLETS

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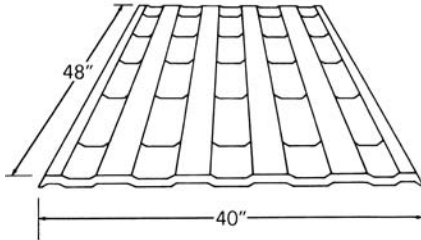
40 x 48 Freezer Spacer ☐

> Open lattice flow-thru 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	Dimensions			Weight (lb.)	Truckload Quantity 53' Trailer
	L	W	H		
40 x 48 FRS	48.0	40.0	1.5	15.5	1,620
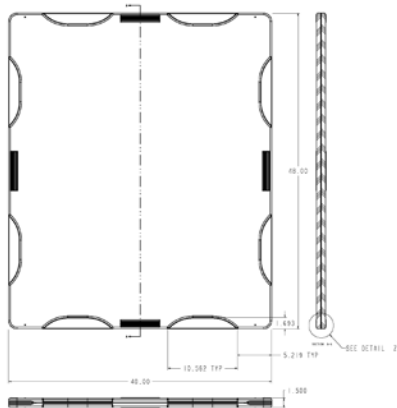
40 x 48 Pallet Support Board ☐

> Ideal for technically sophisticated warehouses and distribution centers
> Provides a dimensionally consistent platform to interface with automated material handling equipment
> Options (p 97): Smooth or rough deck, high density polyethylene (HDPE) or Polypropylene (PP) material

Model	Dimensions			Weight (lb.)	Rack Capacity	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
40 x 48 PSB	48.0	40.0	1.5	26.0	N/A	30,000	N/A	1,500
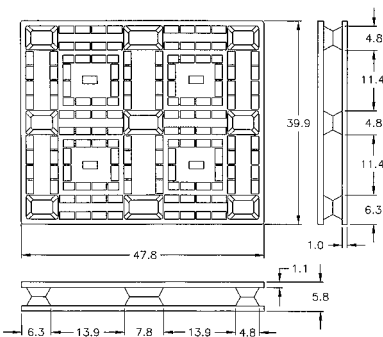
40 x 48 Stackable Pallet ▢

> Replaceable bottom deck allows for easy in-house repair
> Drain holes in deck
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Textured surface, hot stamp, ID plates

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
40 x 48 CIISF	47.25	39.25	5.8	39.0	30,000	3,500	540/1,040*

When choosing pallet options, limitations may apply, due to pallet version.   * Unassembled
Please contact your ORBIS Sales Representative for more information.

40" x 48" PLASTIC PALLETS

Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Beverage ■ Printing ■ Industrial

40 x 48 HD Structo-Cell® Pallet

> Standard in HDPE; available in impact resistant polypropylene and FDA approved material
> 3-drum pallet version available (Height: 5.6")
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way*
> Options (p 97): Molded-in logo, 1/2" discontinuous lip, vinyl labels, anti-skid spin disks, 12 deck grommets

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Pictured: 40 x 48 HDSC

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
40 x 48 HDSC	48.0	40.0	5.1	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	480
48 x 48 FM HDSC*	48.0	48.0	5.1	53.0	30,000	4,000	480

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.

*48 x 48 HDSC models available in Ship-from-Stock program offer 4-way Fork Truck Entry and 2-way Hand Truck Entry.
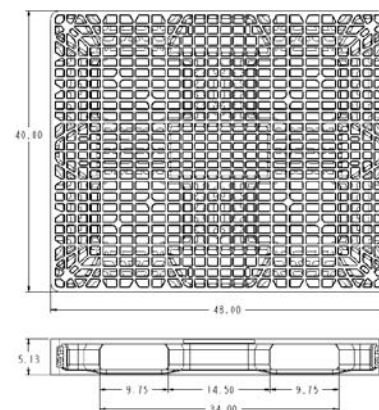
Drawing: 40" x 48" HDSC

NEW!

40 x 48 Stack'R Pallet

> Rackable and stackable
> Available with or without center stringer
> Available with an open or closed deck
> Available in FDA-approved material
> Available in high-density polyethylene (HDPE) or polypropylene (PP)
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): 1/2" discontinuous lip, 8 grommets

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Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility*		Truckload Quantity
	L	W	L	W			Static	Dynamic	Selective / Edge*	Decking / Center	53' Trailer
40 x 48 Stack'R Solid Deck	48.0	40.0	N/A	N/A	5.9	45.7	30,000	4,000	1,000	N/A	540
40 x 48 Stack'R Open Deck	48.0	40.0	N/A	N/A	5.9	42.0	30,000	4,000	750	N/A	540
40 x 48 Stack'R STR Solid Deck	48.0	40.0	N/A	N/A	5.9	48.1	30,000	4,000	1,500	N/A	540
40 x 48 Stack'R STR Open Deck	48.0	40.0	N/A	N/A	5.9	44.4	30,000	4,000	1,500	N/A	540

When choosing pallet options, limitations may apply due to pallet version. Please contact your ORBIS Sales Representative for more information.

* Load capacity ratings are for edge racking in the 40" direction.

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40 x 48 OP Rackable Pallet

> Rackable and stackable design.
> Available with or without center stringer and open or closed deck.
> Available in FDA-approved material.
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, 1/2"discontinuous lip, ID plates, vinyl label, outboard lip, 14 deck grommets, 8 fork tine grommets

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Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility*		Truckload Quantity
	L	W	L	W			Static	Dynamic	Selective / Edge**	Decking / Center	53' Trailer
40 x 48 OP CIISF	47.8	39.9	N/A	N/A	6.6	49.5	30,000	5,000	2,000	5,000	450
40 x 48 OP FM CIISF	47.8	39.9	N/A	N/A	6.6	52.8	30,000	5,000	2,000	5,000	450
40 x 48 OP CIISF LP	47.8	39.9	47.3	39.4	7.1***	49.5	30,000	5,000	2,000	5,000	450
40 x 48 OP FM CIISF LP	47.8	39.9	47.3	39.4	7.1***	52.8	30,000	5,000	2,000	5,000	450

When choosing pallet options, limitations may apply due to pallet version. Please contact your ORBIS Sales Representative for more information.

* Compatibility may change based on application. Racking capabilities for fire-retardant pallets may differ, please contact your ORBIS Sales Representative for additional information.
** Ratings are for column loads only. For all other load types, please contact your ORBIS Sales Representative.
***Height with lip.

40 x 48 PALLETS

Structural Foam Molded   Thermoformed   Injection Molded

40" x 48" PLASTIC PALLETS

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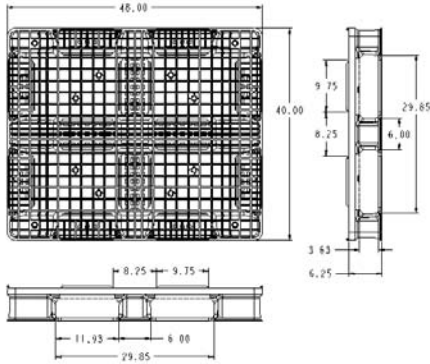
40 x 48 RackoCell® Rackable Pallet

> Available in FDA approved material
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, discontinuous lip, anti-skid spin disks (deck only), ID plates, 8 fork tine opening grommets, 4 outer post grommets

Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility*		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	Selective / Edge**	Decking / Center	
40 x 48 RCKO	48.0	40.0	N/A	N/A	6.25	49.0	30,000	5,000	2,200	5,000	510
40 x 48 FM RCKO	48.0	40.0	N/A	N/A	6.25	56.1	30,000	5,000	2,200	5,000	510
40 x 48 RCKO LP	48.0	40.0	47.4	39.4	6.75	49.0	30,000	5,000	2,200	5,000	510
40 x 48 FM RCKO LP	48.0	40.0	47.4	39.4	6.75	56.1	30,000	5,000	2,200	5,000	510

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.
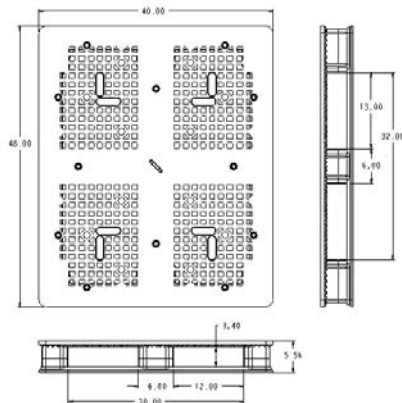
40 x 48 RackR™ Rackable Pallet

> Available in FDA-approved material
> EMABOND® welding process; I-beam pultrusion reinforcement
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, anti-skid spin disks, ID plates, vinyl labels, 12 grommets

| Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Rack Compatibility*		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	Selective / Edge**	Decking / Center	
40 x 48 RACK'R	48.0	40.0	5.69	56.0	30,000	5,000	2,800	5,000	570
40 x 48 FM RACK'R	48.0	40.0	5.69	59.2	30,000	5,000	2,800	5,000	570

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.

40 x 48 Rackstar II Rackable Pallet

> Highly impact-resistant, solid wall design maintains integrity, eliminates cold flow or "creep", has increased durability and is easy to sanitize
> Repairable stringers and picture frame bottom
> Supersack pallet
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way
> Options (p 97): Lip, textured surface, ID plates, 16 deck grommets, 10 fork tine grommets
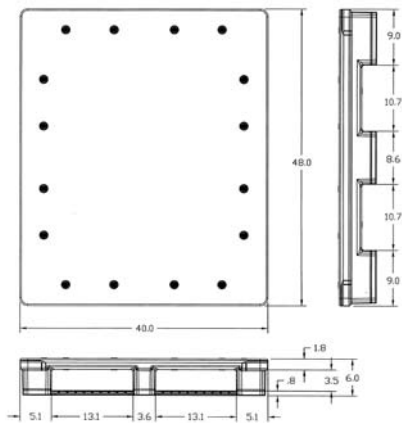
Model	Outside Dimensions		Inside Dimensions		Height	Weight (lb.)	Load Capacity (lb.)		Rack Compatibility*		Truckload Quantity 53' Trailer
	L	W	L	W			Static	Dynamic	Selective / Edge**	Decking / Center	
40 x 48 RII CIISC RNR	48.0	40.0	N/A	N/A	5.25	51.0	30,000	6,000	3,000	6,000	650
40 x 48 RII CIISC STR	48.0	40.0	N/A	N/A	6.00	55.0	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC STR GRM	48.0	40.0	N/A	N/A	6.00	55.0	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC STR LPD	48.0	40.0	46.2	37.9	6.38*	55.0	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC PC FRM	48.0	40.0	N/A	N/A	6.00	59.0	30,000	6,000	3,000	6,000	510
40 x 48 RII CIISC PC FRM LPD	48.0	40.0	46.2	37.9	6.38*	59.0	30,000	6,000	3,000	6,000	510

RNR = Solid feet/no stringers, STR = 3 Stringer, GRM = Grommets, LPD = Discontinuous lip, PC FRM = Full picture frame bottom   * Height with Lip

* Compatibility may change based on application. Racking capabilities for fire-retardant pallets may differ, please contact your ORBIS Sales Representative for additional information.
** Ratings are for column loads only. For all other load types, please contact your ORBIS Sales Representative.

40 x 48 PALLETS

44" x 56" PLASTIC PALLETS

Beverage ■ Food Processing & Distribution ■ Industrial

44 x 56 & 44 x 60 Heavy-Duty Structo-Cell® Pallet

> Available in FDA approved material
> 12-post leg design
> Provides superior hygiene; tough outer surface will not retain dirt and is easy to clean
> Top Frames (pp. 95-96) and Divider Sheets (p. 94) available for additional load stability and product protection
> Fork Truck Entry: 4-way
> Options (p 97): Molded-in logo, 4 deck grommets, 4 fork tine grommets

Pictured: 44 x 56 HD

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
44 x 56 HD	56.0	44.0	4.38	56.0	30,000	4,000	528
44 x 60 HD	60.0	44.0	4.38	58.0	30,000	4,000	460

44 x 56 HD available in TL quantities only.
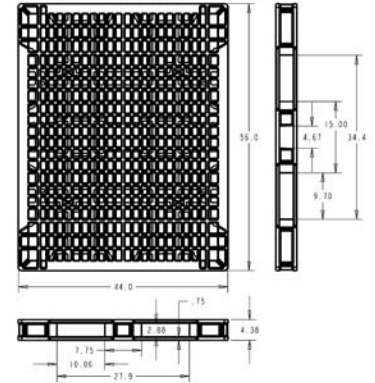
Shown: 44 x 56 HD
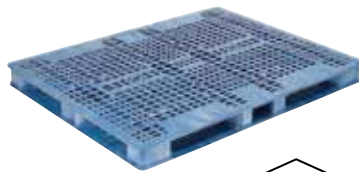
44 x 56 DuroCell® Pallet

> Built for high performance in the beverage and can industries
> Compatible with most automated systems
> 12-leg design allows for flexibility in banding loads
> Available in FDA approved materials
> Top Frames (pp. 95-96) and Divider Sheets (p. 94) available for additional load stability and product protection
> Fork Truck Entry: 4-way (both heights); Hand Truck Entry: 4-way (5.1" height only)
> Options (p 97): Hot stamp, molded-in logo, 9-leg configuration available, 4 deck grommets, 4 fork tine grommets

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Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
44 x 56 DC LO	56.0	44.0	4.4	48.0	30,000	4,000	528
44 x 56 DC HI	56.0	44.0	5.1	52.0	30,000	4,000	440

Available in TL quantities only.
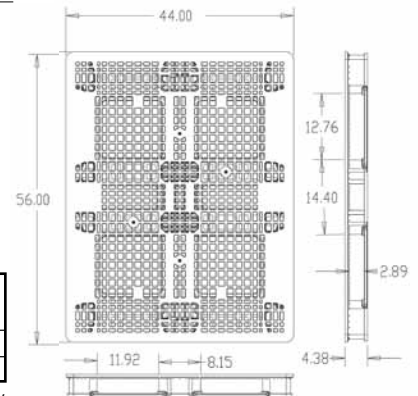
44 x 56 Bulk Repairable Pallet

> Patented snap-fit design for on-site repair
> Designed to convey a variety of industrial products
> Available in FDA approved materials
> Top Frames (pp. 95-96) and Divider Sheets (p. 94) available for additional load stability and product protection
> Tapered 4-way entry; various heights available
> Options (p 97): Hot stamp, molded-in logo, bar coding, full bottom deck, Grab-A-Block and pusher block connectors for some heights, 4 deck grommets, 4 fork tine grommets

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer*
44 x 56 BulkPal 2.0" con	56.0	44.0	4.5	55.0	33,000	3,800	575
44 x 56 BulkPal 2.5" con	56.0	44.0	5.0	55.5	33,000	3,800	525
44 x 56 BulkPal 3.0" con	56.0	44.0	5.5	56.0	33,000	3,800	475
44 x 56 BulkPal with solid deck	56.0	44.0	4.5	58.0	33,000	3,800	575

Available in truckload and above quantities only.

* Based on "superwide" 53' trailer.

44 x 56 PALLETS

Structural Foam Molded | Thermoformed | Injection Molded
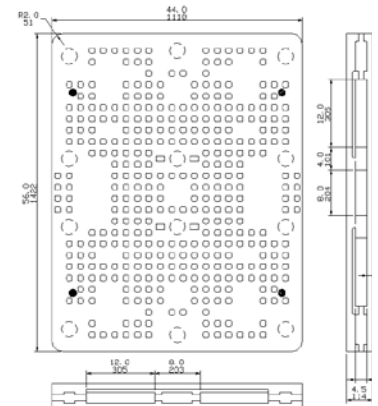
44" x 56" PLASTIC PALLETS

Beverage ■ Food Processing & Distribution ■ Industrial
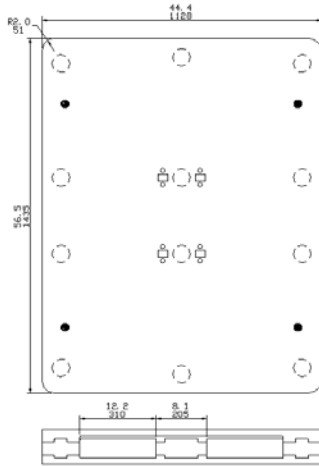
44 x 56 End Pallet

> Available in FDA approved material
> Solid deck surface with minimum openings
> Designed to convey can ends and other rigid packages
> Compatible with many palletizers, depalletizers, conveyors and automatic strapping systems
> Heavy-duty connectors to support heavy loads
> Connector plugs for added strength; anti-skid friction tape
> Top Frames (pp. 95-96) and Divider Sheets (p. 94) available for additional load stability and product protection
> Tapered 4-way entry
> Options (p 94): Hot stamp, molded-in logos, heights of 4.5" and 5", 4 deck grommets, 4 fork tine grommets

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
44 x 56 EndPal	56.5	44.4	5.5	70	33,000	3,800	418

Available in truckload and above quantities only.
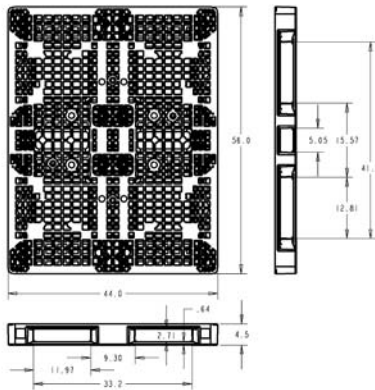
44 x 56 Optimal Container Pallet

> Available in FDA approved material
> Easily cleanable, hygienic 12-leg design
> Designed to convey a wide variety of PET and metal containers used for food, beverage, industrial, household chemical, health and personal care products
> Compatible with many palletizers, depalletizers, conveyors and automatic strapping systems
> Top Frames (pp. 95-96) and Divider Sheets (p. 94) available for additional load stability and product protection
> Tapered 4-way entry
> Options (p 97): Hot stamp, molded-in logos, 9-leg configuration available, 4 deck grommets

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
44 x 56 OCP	56.0	44.0	4.4	44.0	30,000	Call ORBIS	528
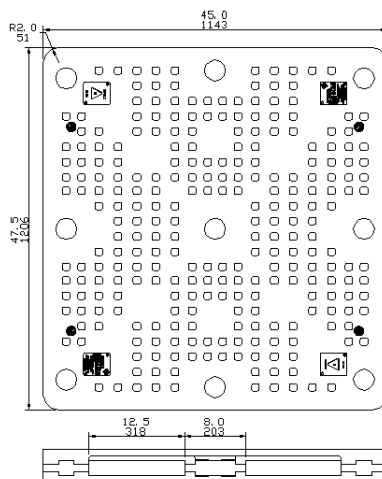
45 x 47.5 Bulk Pallet

> Patented snap-fit design for on-site repair
> Available in FDA approved materials
> Tapered 4-way entry; various heights available
> Options (p 97): Hot stamp, molded-in logo, bar coding, full bottom deck, Grab-A-Block and pusher block connectors for some heights, 4 deck grommets, 4 fork tine grommets

Pictured: 40 x 48 BulkPal

Drawing: 45 x 47.5 BulkPal

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer*
45 x 47.5 BulkPal with 2.0" connectors	47.5	45.0	4.5	44.0	33,000	3,300	598
45 x 47.5 BulkPal with 2.5" connectors	47.5	45.0	5.0	44.0	33,000	3,300	546
45 x 47.5 BulkPal with 3.0" connectors	47.5	45.0	5.5	44.0	33,000	3,300	494
45 x 47.5 BulkPal with 3.7" connectors	47.5	45.0	6.2	44.0	33,000	3,300	416

* Based on "superwide" 53' trailer.

44 x 56 PALLETS

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45" x 48" PLASTIC PALLETS

Automotive Parts & Components ■ Industrial Parts ■ Machined Parts ■ Heavy-Truck Parts & Components

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 97): 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	
45x48-2 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
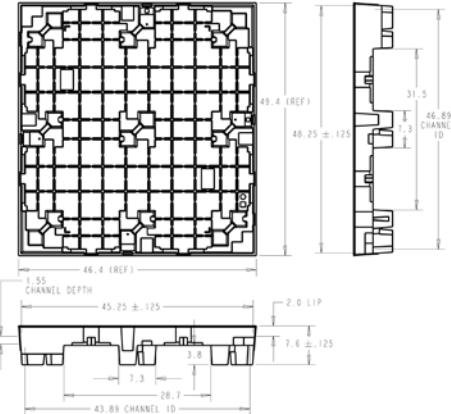
45 x 48 AutoPal™ Nestable Pallet

> Compatible with StakPak and Hand Held Folding Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, ID plates, seat belt retractors

Recommended Top Cap

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 AUTO	48.8	45.8	48.2	45.2	6.0	38.0	2.0:1	30,000	4,000	780
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
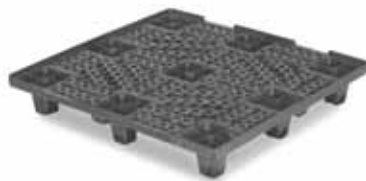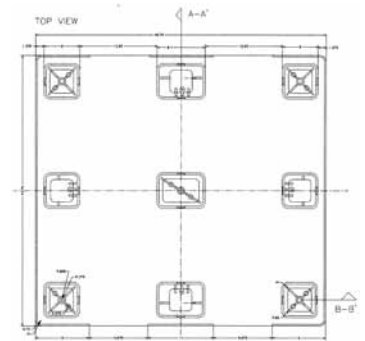
45 x 48-BR Nestable Pallet

> 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
> Options (p 97): Hot stamp, seat belt retractors

Recommended Top Cap

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
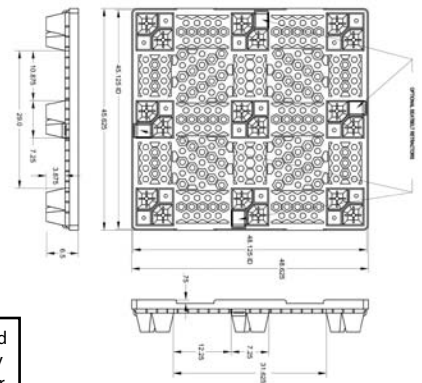
45 x 48 PALLETS

Structural Foam Molded   Thermoformed   Injection Molded

45" x 48" PLASTIC PALLETS

Automotive Parts & Components ■ Industrial Parts ■ Machined Parts ■ Heavy-Truck Parts & Components

Interested in a 45 x 48 nestable pallet without a lip? Ask your sales representative about ORBIS 45 x 48-A Pallet!
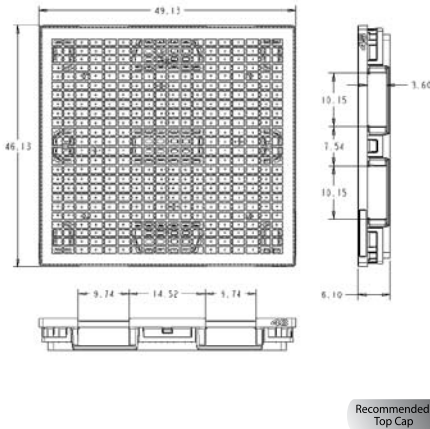
45 x 48 PT

> Compatible with StakPak and Hand Held Folding Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way (45" side)
> Options (p 97): Hot stamp, molded-in logo, ID plates, seat belt retractors (48" sides only)

Recommended Top Cap

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 PT	49.1	46.1	48.2	45.2	6.1	49.0	2.0:1	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	N/A	1,612
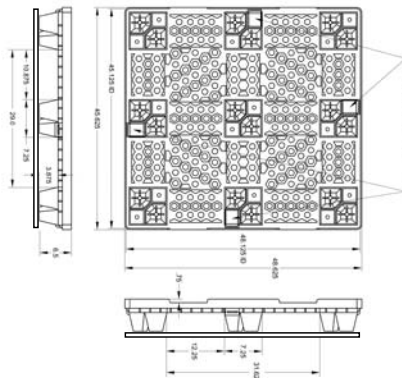
45 x 48-BR Stackable Pallet

> Compatible with StakPak and Hand Held Folding Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, ID plates, seat belt retractors

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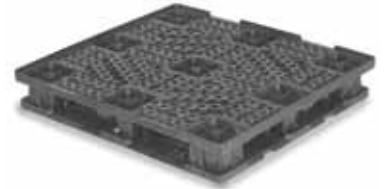
Model	Outside Dimensions		Inside Dimensions		Height with Lip	Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	L	W				Static	Dynamic	
45 x 48-BR CIISF LP	48.7	45.7	48.1	45.1	7.5	62.0	N/A	30,000	4,000	390
45 x 48-BR SBRR CIISF LP	48.7	45.7	48.1	45.1	7.5	62.0	N/A	30,000	4,000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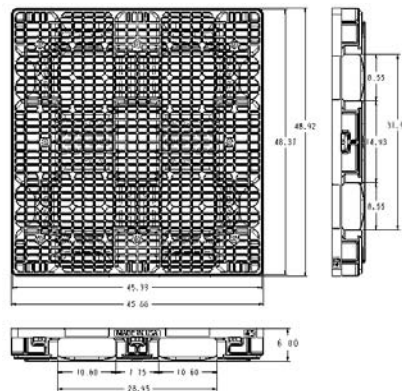
45 x 48 JOURNEY Stackable Pallet

> Compatible with StakPak Containers
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way (45" side)
> Options (p 97): Hot stamp, molded-in logo, seat belt retractors, recessed label pockets, ID plates

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Recommended Top Cap

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 JOURNEY	48.9	45.9	48.3	45.3	6.0	55.0	N/A	30,000	4,000	442
45 x 48 FM JOURNEY	48.9	45.9	48.3	45.3	6.0	57.0	N/A	30,000	4,000	442
45 x 48 JOURNEY TC	48.6	45.6	48.2	45.2	1.0	15.0	N/A	N/A	N/A	1,560

45 x 48 PALLETS

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PLASTIC PALLETS

Industrial ■ Automotive ■ Food Processing & Distribution ■ Consumer Packaged Goods ■ Pharmaceutical ■ Chemical

45 x 54, -56, -58 and -60 Nestable Pallets

> Single sheet thermoformed (HMWPE)
> Extended lengths accommodate custom sized containers, including ORBIS' Cut-N-Weld™ containers
> 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 97): Molded-in logo, vinyl labels, custom color striping, seat belt assemblies on 45 x 54 MI CISS (45" sides only)
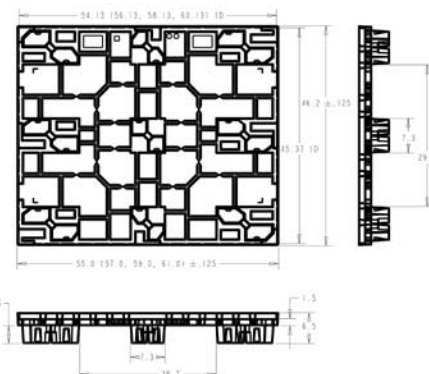
Pictured: 45 x 54 MI CISS LP

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

40 x 48 - 48 x 48 POP Display Base

> Display base comes complete with a nine position sign-post holding system snapped in place, making it a versatile store fixture and marketing tool
> Heavy duty, solid body construction
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, molded-in logo, anti-skid spin disks, non-skid diamond pattern surface
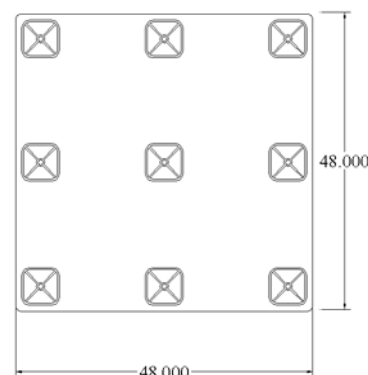
Pictured: 48 x 48 POP

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H		Static	Dynamic	
24 x 48 POP	48.8	24.0	5.5	24.6	15,000	2,000	1,176
24 x 48 No Access POP	48.8	24.0	5.5	26.2	15,000	2,000	576
40 x 48 POP	48.0	40.0	5.5	39.3	30,000	4,000	784
42 x 48 POP	48.0	42.0	5.5	41.0	30,000	4,000	728
44 x 48 POP	48.0	44.0	5.5	42.0	30,000	4,000	728
46 x 48 POP	48.0	46.0	5.5	44.0	30,000	4,000	672
48 x 48 POP	48.0	48.0	5.5	46.0	30,000	4,000	616

40 x 48 POP pallet has rectangular legs; 42 x 48, 44 x 48, 46 x 48 and 48 x 48 POP pallets have square legs.

Shown: 48" x 48" POP

48 x 48 Nestable Pallet

> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, deck insert
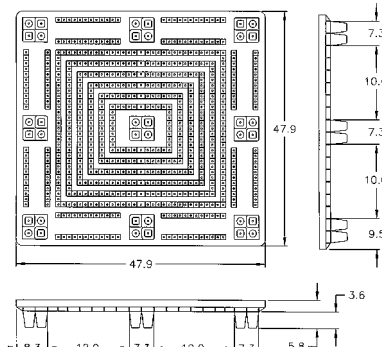
Model	Dimensions			Weight (lb.)	Nest Ratio	Load Capacity (lb.)		Truckload Quantity 53' Trailer
	L	W	H			Static	Dynamic	
48 x 48 MI CISF	47.9	47.9	5.8	45.5	1.9:1	30,000	4,000	832

Structural Foam Molded   Thermoformed   Injection Molded

45 x 54 - 48 x 48 PALLETS

PLASTIC PALLETS

Industrial ■ Chemical ■ Food Processing & Distribution ■ Pharmaceutical

48 x 48 Stackable Pallet

> Double deck stackable pallet
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): Hot stamp, ID plates, vinyl labels, deck insert

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
48 x 48 CIISF	47.9	47.9	6.8	65.0	30,000	4,000	390

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 97): Hot stamp, molded-in logo, ID plates

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Model	Dimensions			Weight (lb.)	Load Capacity (lb.)*		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
48 x 48 Drum OP CIISF	48.8	48.8	5.5	57.0	30,000	4,000	494
48 x 48 FM Drum OP CIISF	48.8	48.8	5.5	59.0	30,000	4,000	494

* Capacity load rating pertain to evenly distributed loads only.

48 x 48 Structo-Cell® Drum Pallet

> Legs are angled to create tapered slots for jack or forklift tines
> Molded-in rings to secure 55 gallon drums during transportation
> Available in FDA approved material
> Fork Truck Entry: 4-way, Hand Truck Entry: 2-way
> Options (p 97): Hot stamp, molded-in logo, ID plates

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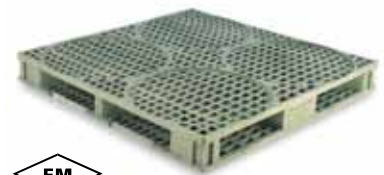
Model	Dimensions			Weight (lb.)	Load Capacity (lb.)*		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
48 x 48 HD DRM	48.0	48.0	5.5	58.0	30,000	4,000	494
48 x 48 FM HD DRM	48.0	48.0	5.5	60.0	30,000	4,000	494

* Capacity load rating pertain to evenly distributed loads only.

48 x 48 PALLETS

PLASTIC PALLETS

Industrial ■ Automotive ■ Printing ■ Furniture

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 (p.58)
> Starting Sheet Gauge: .300"
> Fork Truck Entry: 4-way, Hand Truck Entry: 4-way
> Options (p 97): 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
	L	W	L	W				Static	Dynamic	53' Trailer
48 x 57 MI CISS LP	57.0	48.0	56.0	47.0	6.8	29.0	3.5:1	15,000	2,000	840
48 x 60 MI CISS LP	60.0	48.0	59.0	47.0	6.8	31.0	3.5:1	15,000	2,000	840
48 x 62 MI CISS LP	62.0	48.0	61.0	47.0	6.8	32.0	3.5:1	15,000	2,000	600
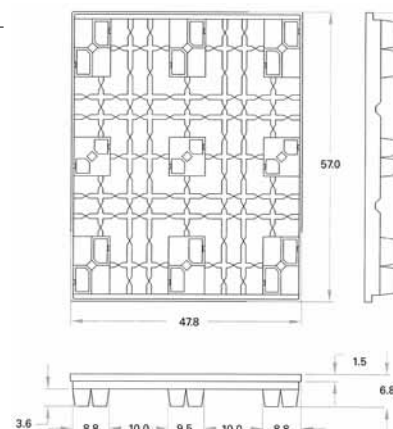
Shown: 48 x 57 MI CISS LP

48 x 60 Stackable Pallet

> Pallet is fully reversible for double stacking of loads
> Fork Truck Entry: 4-way
> Options (p 97): Hot stamp, ID plates, 3 runner styles available for use with hand truck

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
48 x 60 CIISF	60.0	47.8	5.8	88.0	30,000	3,500	320

When choosing pallet options, limitations may apply, due to pallet version. Please contact your ORBIS Sales Representative for more information.
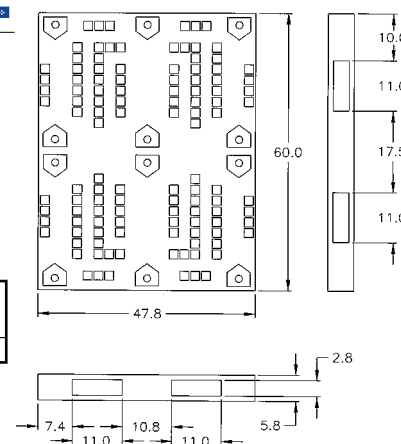
48 x 72 Stackable Pallet

> Pallet is fully reversible for double stacking of loads
> Fork Truck Entry: 4-way
> Options (p 97): ID plates, 3-runner style available for use with hand truck

Model	Dimensions			Weight (lb.)	Load Capacity (lb.)		Truckload Quantity
	L	W	H		Static	Dynamic	53' Trailer
48 x 72 CIISF	71.8	47.8	5.8	110.0	30,000	4,000	256

Structural Foam Molded Thermoformed Injection Molded
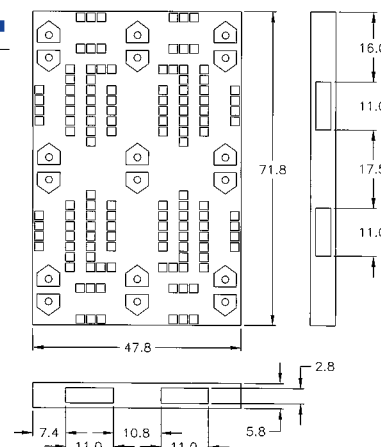
DIVIDER SHEETS

Beverage & Food Containers ■ Health and Beauty Care Packaging ■ Pharmaceutical Packaging ■ Household Item Packaging

Divider Sheets provide maximum product protection and load stability for unitized loads of food, beverage and industrial products. When combined with plastic pallets and top frames, an efficient shipping system is created for storage and transport. These reusable plastic Divider Sheets are placed between layers of aluminum, steel, glass and plastic cans or bottles used to package food and beverage products. They are also used in many industrial applications to protect items, including printed materials or automotive products. Divider Sheets are available in solid and corrugated styles to meet diverse application needs. The non-sloughing, plastic design reduces product contamination that can occur from dust, fiber and splinters found in alternative sheet materials. Additionally, Divider Sheets are easily cleanable, using proprietary cleaning technologies. Their reusability eliminates the packaging waste associated with the disposal of corrugated and solid fiberboard divider sheets. To support high-velocity supply chains, Divider Sheets are also available on a rental basis, through pooling services.

Rounded corners

Consistent dimensions for use with automated systems.

Available in custom sizes and colors.

Solid and corrugated styles available.

100% recyclable. Contact your sales representative about ORBIS' Recycling Program.

Customer name and other specifications can be printed on sheets
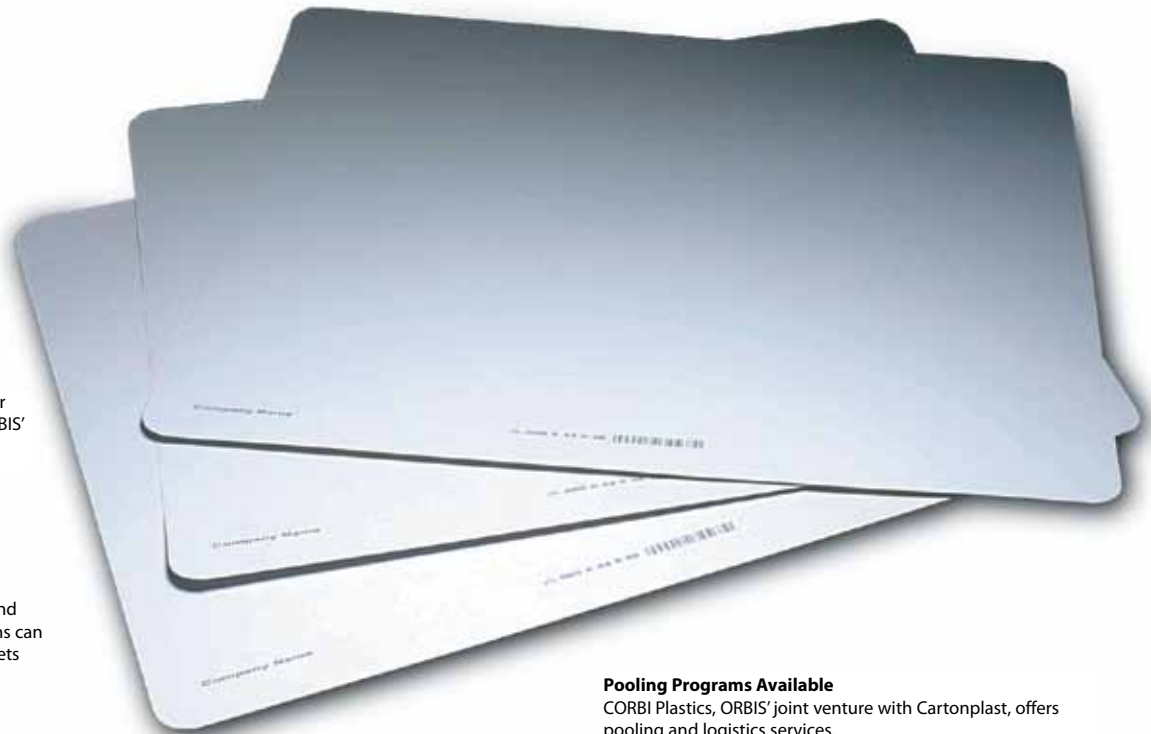
Typical Sheet Sizes:
44" x 56"
40" x 48"
44.75" x 47.5"
45" x 47.5"
1000 x 1200 (mm)
1120 x 1300 (mm)
1120 x 1420 (mm)
1150 x 1250 (mm)
1180 x 1250 (mm)
1200 x 1350 (mm)

Pooling Programs Available
CORBI Plastics, ORBIS' joint venture with Cartonplast, offers pooling and logistics services.

Pooling eliminates the upfront investment of purchasing divider sheets. Cleaning, sorting and tracking services are also available. Please visit www.corbiplastics.com.

TOP CAPS AND TOP FRAMES

Automotive Components ■ Bearings ■ Hardware ■ Industrial Equipment ■ Metal Parts ■ Plastics and Rubber ■ Resins and Powders

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.

Pictured: 28 x 40 Top Cap

20 x 28 and 28 x 40 CISF Top Caps

> Enhanced durability for long life
> 2 sizes available
> Used in closed-loop shipping operations and work-in-process applications
> Legs of pallet fit in molded-in pockets on the top cap to lock the loads together to provide a stable load for shipping
> Options (p 97): Hot stamp, identification plates

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 32" x 15", 12" x 15" and 12" x 07" StakPak containers
> Options (p 97): 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 97): 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 97): Hot stamp, identification plates, molded-in logo, seat belt buckles

32 x 45 Top Cap CISS

> Single sheet thermoformed (HMWPE)
> Designed to interlock with the 32 x 45 nestable pallet
> Buckle on 32" side only
> Options (p 97): Vinyl labels, identification plates, molded-in logo, custom color striping

40 x 48 GMA Top Cap C CISS

> Single sheet thermoformed (HMWPE)
> Designed to interlock with the legs of the 40 x 48 CISC and 40 x 48-B GMA CISF pallet to provide secure double stacking of pallet loads
> Compatible with 4048 Stack-N-Nest Container System
> Options (p 97): Vinyl labels, identification plates, molded-in logo, custom color striping

45 x 48 JOURNEY Top Cap

> Designed to interlock with the 45 x 48 JOURNEY pallet, as well as bulk containers and competitor's 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 97): Vinyl labels, identification plates, molded-in logo, hot stamp, seat belt buckles

45 x 48 HDSC Top Cap

> Designed to interlock with the legs of stackable pallets
> Broad compatibility accommodates maximum trailer efficiency
> Options (p 97): Identification plates, hot stamps, seat belt buckles

TOP CAPS AND FRAMES

Structural Foam Molded | Thermoformed | Injection Molded

TOP CAPS AND TOP FRAMES

Aluminum Cans ■ PET Bottles ■ Glass Bottles ■ Rigid Packaging ■ Pharmaceutical Packaging

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.

45 x 48-2 SBRR MI ID CISS LP Pallet (acts as top cap)

> 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 97): Vinyl labels, identification plates, molded-in logo, custom color striping, seat belt buckles/retractors

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 97): Vinyl labels, identification plates, hot stamps, seat belt buckles

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 97): Vinyl labels, molded-in logo, identification plates, custom color striping

44 x 56 4" and 6" Heavy Duty Top Frames (C= No center stringer)

> Unit stabilizer used to support containers
> Channeled edge design offers greater strapping strength
> Indentation for straps
> Standard in black
> Fully recyclable
> Options (p 97): Molded-in logo, hot stamp, anti-skid pads, 4" or 6" perimeter, available with center stringers

44 x 56 4" and 6" Heavy Duty Top Frames (A= Full center stringer)

> Unit stabilizer used to support containers
> Channeled edge design offers greater strapping strength
> Indentation for straps
> Standard in black
> Fully recyclable
> Options (p 97): Molded-in logo, hot stamp, anti-skid pads, 4" or 6" perimeter, available without center stringers

Top Cap and Top Frame Specifications

Model	Dimensions (in/mm)			Weight (lb/kg)	Starting Sheet Gauge	Truckload Quantity 53' Trailer
	L	W	H			
20 x 28 TOPCAP CISF	28.1	19.5	1.2	7.3	N/A	3,600
28 x 40 TOPCAP CISF	40.1	28.1	1.2	14.7	N/A	1,800
30 x 36 TOPCAP CISS .220 GA	38.0	32.0	3.3	10.5	0.220	3,162
32 x 30 TC CIISS 1408	33.40	31.40	4.5	8.3	-	1,500
32 x 30 TC CIISS 16/3215	33.40	31.40	4.5	8.3	-	1,500
32 x 38 HD TOPCAP	36.9	30.9	3.25	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
44 x 56 x 4 HD BulkPal Top Frame A (Center STR)	44.0/1118	56.0/1422	1.25/32	17.75/8.05	N/A	1,672
44 x 56 x 4 HD BulkPal Top Frame C (No STR)	44.0/1118	56.0/1422	1.25/32	13.0/5.90	N/A	1,672
44 x 56 x 6 HD BulkPal Top Frame A (Center STR)	44.0/1118	56.0/1422	1.25/32	21.0/9.53	N/A	1,672
44 x 56 x 6 HD BulkPal Top Frame C (No STR)	44.0/1118	56.0/1422	1.25/32	17.0/7.71	N/A	1,672
45 x 48-2 MI CISS LP .250 GA pallet (acts as top cap)	49.4	46.4	7.6	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 TOP CAP	48.6	45.6	1.0	15.0	N/A	1,560
45 x 48 HDSC Top Cap	48.6	45.6	1.75	24.0	N/A	600

♲ Polyethylene

TOP CAPS AND FRAMES

PALLET ACCESSORIES & IDENTIFICATION OPTIONS

Meat/Poultry ■ Refrigerated/Frozen Foods ■ Bakery Items ■ Snack Goods

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. Contact your ORBIS representative for more details.

Molded-In Logo identification is a type of permanent identification that is molded into the pallet or top cap during production. 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 utilizes .5" block capital letters 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 are 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 are 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. Please contact ORBIS for details.

Rubber Grommets are 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. Anti-Skid Disks are also available for many pallet styles. Standard Colors: Deck Grommets - Beige; Foot Grommets - Beige; Fork Tine Grommets - Beige; OP Grommets - Grey; Spin Disks - Natural, Clear.

Deck Inserts and Leg Covers will quickly and easily snap into the pallet to cover the leg hole openings. These inserts prevent interference with small loads, conveyor systems, and other material handling equipment. Note: Pallets will not nest after inserts have been installed. Available on all POP, 45 x 48-A, nestable and stackable 48" x 48" and 48" x 72" structural foam pallets. Standard: Black
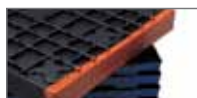
Custom Color Striping is available on most thermoformed pallets and thermoformed OPTE Pallets to provide a unique identification alternative. Standard stripe widths are two and four inches. Stripe color must be specified at the time of the order and requires minimum order quantities.

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", 40" x 48" and 45" x 48" pallets. Standard Color: Black

NOTE: Strap length is approximately 59' from housing to end of strap, but usable strap length will vary depending on load height.

Non-Skid Diamond Pattern Surface is available on selected pallets to prevent product slippage during storage and transport.

ORBIS® www.orbiscorporation.com

ENVIRONMENTAL PRODUCTS

Organic Waste ■ Glass, Plastic, Paper and Metal Separation ■ Rain Collection

Choose from the **Norseman Environmental** brand of products, now from ORBIS, for home, commercial and office recycling. Wheeled carts are ideal for any home and community composting program. Kitchen collectors are used to accumulate kitchen organic waste. Rugged compost bins and rain barrels are available for home use. Designed for easy handling and cleaning, all environmental products are available in post-consumer recycled materials and are available in a variety of standard and custom colors.

NORSEMAN
ENVIRONMENTAL PRODUCTS

Wheeled Carts
> 360° double rim, snap tight lid keeps pests out
> Ergonomic side handles for easy curb transport
> Manufactured with recycled material.
> Cornerless, smooth interior walls for ease of cleaning
> Two sizes available: 13 and 21 gallon

NPL 280 - 13 Gallon   NPL 285 - 21 Gallon

NPL 290

Kitchen Collector
> Swing arm handle for easy carrying
> 360° double rim, snap tight lid
> Wide bottom facilitates easy emptying
> Ventilated or solid lid available
> Combine with Green Bin and Earth Machine for a full organics recycling solution

			Outside Dimensions		Total Container Height	Weight (lb.)	Compatible Cover	Truckload Quantity 53' Trailer
Specifications All dimensions in inches unless specified.								
Model	Product Description	Volume (gallon)	L	W				
NPL 280	Cart Bin	13.0	12.0	11.0	27.0	8.2	Attached	1,440
NPL 285	Cart Bin	21.0	17.8	22.0	32.5	15.4	Attached	1,524
NPL 290	Kitchen Collector	1.9	12.0	8.5	8.5	0.74	Attached	13,520
NPL 300	Compost Bin	80.0	33.0 (diameter)		33.0	16.0	Included	1,425
NPL 315	Rain Barrel	55.0	26.1 (diameter)		34.0	16.0	Included	1,035
NPL 264	55 Gallon Commercial	55.0	26.1 (diameter)		34.0	16.0	Dome, 4 holes	945/2,835*

* 945 containers and 2,835 covers.

55 Gallon Commercial Recycler
The 55 Gallon Commercial Recycler was designed for heavy traffic areas in businesses, restaurants, public areas and institutions. It offers an efficient method to separate cans and bottles and can be combined with liners for fast and easy collection by cleaning crews.

FEATURES

• 208 litre / 55 gallon capacity
• All-plastic design ideal for indoor and outdoor use
• Manufactured with recycled material
• Snap-on lid with molded-in holes, sized for all bottle and cans
• Smooth contoured surfaces
• No-touch disposal, with no door or flaps. Just drop and go
• Optional wraps, labels and signage available for effective branding

ENVIRONMENTAL

ENVIRONMENTAL PRODUCTS

Organic Waste ■ Glass, Plastic, Paper and Metal Separation ■ Rain Collection

As part of the **Norseman Environmental** brand of products, the **Earth Machine®** is a durable backyard compost bin designed to compost food and yard waste, effectively diverting it from landfills. When residents are encouraged to divert organics from the waste stream and are educated about the benefits of composting, up to 50% of organic waste can be diverted from the waste stream. The **SYSTERN Rain Barrel** can lower municipal water demands and save energy at water treatment facilities by reducing water pollution and storm water runoff. Rain water, free from chlorine and water treatment chemicals, is an excellent water source for lawns, plants and gardens.

Rain Barrel

> 55 gallon capacity
> Can reduce household water bills by 40%
> Mesh filter screens out debris and mosquitos
> Neutral color
> Easily works with existing downspouts

Compost Bin - Earth Machine®

> Large capacity of 80 gallons or 10 cubic feet
> Made from recycled plastic
> Easy snap together assembly
> Twist locking lid
> User guide included

Specifications All dimensions in inches unless specified.

Model	Product Description	Volume (gallon)	Outside Dimensions		Total Container Height	Weight (lb.)	Compatible Cover	Truckload Quantity 53' Trailer
			L	W				
NPL 300	Compost Bin	80.0	33.0 (diameter)		33.0	16.0	Included	1,425
NPL 315	Rain Barrel	55.0	26.1 (diameter)		34.0	16.0	Included	1,035

ENVIRONMENTAL

ENVIRONMENTAL PRODUCTS

Organic Waste ■ Glass, Plastic, Paper and Metal Separation ■ Rain Collection

Choose from the **Norseman Environmental Product** brand of curbside recycling bins. These industry leading bins have been preferred by municipalities across North America for decades. Bins can be hot-stamped with logos or other artwork. All environmental products are available in post-consumer recycled materials and in a variety of standard and custom colors.

NORSEMAN
ENVIRONMENTAL PRODUCTS

Bin Dolly shown with NPL 263 and NPL 270 (*Dolly sold separately, see p. 101)*

NPL 265 with NPL 266 Cover

Curbside Containers
> Pocket handles for easy lifting
> Drain hole bottoms prevent liquid build-up
> Large, flat sides for logo hot stamping
> Covers available for some models
> 4, 6, 12, 14, 16, 18 and 22 gallon sizes available
> Available accessories: Bin Bungee, Bin Dolly and Floating Rail (See p. 101)

Model	Product Description	Volume (gallon)	Outside Dimensions		Total Container Height	Weight (lb.)	Compatible Cover or Container	Truckload Quantity 53' Trailer
			L	W				
NPL 200	Recycling Office Bin	4.0	15.0	12.30	8.20	1.25	N/A	12,000
NPL 210	Vertical Office Recycling	4.5	12.0	6.0	16.0	1.9	N/A	5,040
NPL 205	Legal Office Recycling	5.4	17.6	12.0	7.5	1.5	N/A	9,700
NPL 215	Stack and Carry Bin	6.0	14.9	11.60	12.50	2.0	N/A	10,560
NPL 250	Recycling/Curbside Bin	12.0	19.0	16.0	13.0	2.75	NPL 254	6,048
NPL 252	Recycling/Curbside Bin	12.0	20.25	15.20	12.40	3.0	N/A	3,600
NPL 255	Recycling/Curbside Bin	14.0	22.30	17.3	12.50	3.52	N/A	6,048
NPL 258	Recycling/Curbside Bin	14.0	21.0	15.25	13.0	3.0	N/A	6,048
NPL 259	Recycling/Curbside Bin	16.0	19.0	16.0	15.50	3.5	NPL 254	6,048
NPL 260	Recycling/Curbside Bin	16.0	19.0	16.0	15.5	4.5	N/A	6,048
NPL 265	Recycling/Curbside Bin	18.0	25.75	16.25	14.50	5.0	NPL 266	5,000
NPL 268	Recycling/Curbside Bin	18.0	26.13	16.13	14.63	4.0	NPL 266	7,000
NPL 270	Recycling/Curbside Bin	22.0	19.0	16.0	21.0	4.5	NPL 254	4,032
NPL 254	Bin Cover	N/A	19.0	16.0	4.0	1.5	NPL 250, NPL 259, NPL 270	10,800
NPL 266	Bin Cover	N/A	27.0	16.25	4.0	2.0	NPL 265, NPL 268	9,600

ENVIRONMENTAL

ENVIRONMENTAL PRODUCTS

Organic Waste ■ Glass, Plastic, Paper and Metal Separation ■ Rain Collection

The **Norseman Environmental Product** brand of stack and nest recycling containers stack when full and nest when empty. The hopper design makes it ideal for recyclable separation in homes, offices or plants. Bins can be hot-stamped with logos or other artwork. All environmental products are available in post-consumer recycled materials and in a variety of standard and custom colors.

NORSEMAN
ENVIRONMENTAL PRODUCTS

NPL 215-Stacked

NPL 252-Stacked

Stack and Nest Recycling Containers
> Swing arm handle (NPL 215) and full diameter handles (NPL 252) for ease of carrying
> Stacks for source separation of recyclables and nests when empty
> Manufactured in 50% recycled material
> Ideal for multi-residential use

Model	Product Description	Volume (gallon)	Outside Dimensions		Total Container Height	Weight (lb.)	Compatible Cover or Container	Truckload Quantity 53' Trailer
			L	W				
CONTAINERS								
NPL 215	Stack and Carry Bin	6.0	14.9	11.60	12.50	2.0	N/A	10,560
NPL 252	Recycling/Curbside Bin	12.0	20.25	15.20	12.40	3.0	N/A	3,600
ACCESSORIES for bins listed on p. 100								
Bin Bungee	Recycle Bungee	N/A	Fits all Recycling Bins			0.05	N/A	N/A
Bin Dolly	Recycle Transport	N/A	18.5	16.7	51.5	16.0	N/A	N/A
Floating Rail	Bin Rail	N/A	4.8	0.38	4.2	0.15	N/A	N/A

Bin Bungee
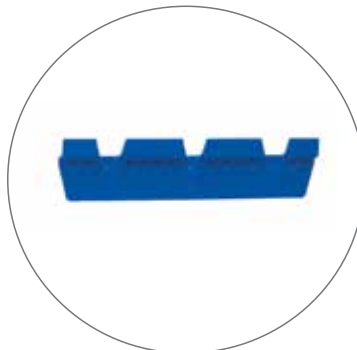
Floating Rail 10-4

Accessories
> Bin Dolly allows for easy curbside transportation
> Floating Rail efficiently suspends recyclables to optimize wall space
> Bin Bungee secures recyclables on windy days

ENVIRONMENTAL

Product Index

Product Index

Product Index

Product Index

Product Index

Product Index

COLORS AND MATERIALS

Hand-Held Containers ■ Bulk Containers ■ Pallets

The colors listed on these pages are standard colors for high-density polyethylene (HDPE). Products molded in polypropylene (PP) or other materials may require a different colorant to resemble these colors. Please contact your ORBIS Sales Representative for additional information.

These colors do not represent stocked finished products, rather standard colorants that are available.

Other colors are available, however minimum order quantities, set-up charges or other special requirements may apply. Please contact your ORBIS Sales Representative for additional information.

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.

UV-protective colorants are available upon request. Please contact your ORBIS Sales Representative for additional information.

Exact color match to a specific color reference number is not guaranteed, nor is this printed color reference sheet guaranteed for color match exactness. Please request a representative color chip should more specific color information be necessary.

HAND-HELD CONTAINERS*

*Not all containers manufactured with FDA colorant are FDA compliant. Please contact your ORBIS Sales Representative for additional information.

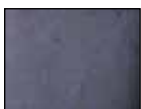| Grey	Medium Green	Dark Blue	Light Blue	Royal Blue	Beige	Red

PALLETS

Thermoformed Black	Structural Foam Blue	Structural Foam Black	Structural Channel Blue

TOP CAPS

Thermoformed Black	Structural Foam Black	Structural Channel Black

BULK CONTAINERS

Rotomolded Unpigmented	Structural Foam Blue	Structural Foam Black	Structural Channel Seafoam Green	Thermoformed OPTEBulk Black	Structural Foam OPTEBulk Black	Structural Channel OPTEBulk Black

The following icons provide an easy identification of ORBIS product features, material characteristics and system capabilities. Look for these icons on each product page to assist you in selecting the appropriate ORBIS product for your application.

Standard Materials:
ORBIS primarily uses recyclable polyethylene and polypropylene plastic in the manufacture of its containers, pallets and dunnage.

Polyethylene (PE) is one of the most widely used plastic materials and offers excellent chemical resistance, ease of manufacturing, strength, toughness and durability. PE is suited for typical manufacturing environments as the material remains stable at temperatures encountered in the cold winters (below 0° F) and hot summers (just over 120° F). At temperatures exceeding 120° F, the material becomes rubbery and reduces its strength properties.

Polypropylene (PP) material is in the same family as polyethylene and offers excellent chemical resistance and ease of manufacturing that remain similar to that of PE. PP's advantages over PE include greater stiffness and elevated use temperature. Depending on the application, PP materials can retain their strength at temperatures up to 150° F.

Special Materials:
ORBIS offers several specialty materials for unique and specialized applications. Please contact ORBIS for additional information.

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.

ORBIS®

We'll Handle It.
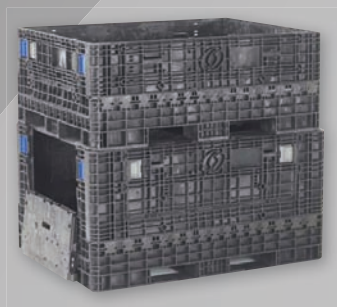
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LEWIS BINS+

CORBI PLASTICS
A Joint Venture of ORBIS Corporation and Cartonplast LLC

ORBIS RPM
REUSABLE PACKAGING MANAGEMENT

National Consolidation Services

NORSEMAN
ENVIRONMENTAL PRODUCTS

ORBIS SHANGHAI

FSC
Mixed Sources
Product group from well-managed
forests and other controlled sources
www.fsc.org Cert no. SW-COC-002500
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