



PRODUCT CATALOG

REUSABLE PACKAGING SOLUTIONS FOR INDUSTRIAL AND AUTOMOTIVE

ORBIS[®]

 Powered by Menasha Corporation



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TOUCH THE FUTURE
AND SHIP MORE OF YOUR PRODUCTS



GITTERPAK®

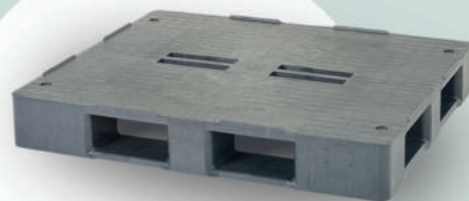


HDB1012





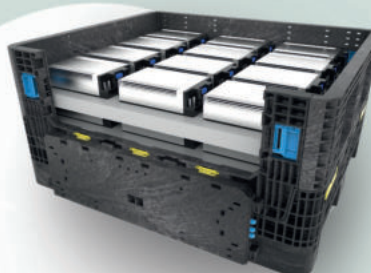
OCEANPAK®



PALLETS



KLT's



IONPAK®



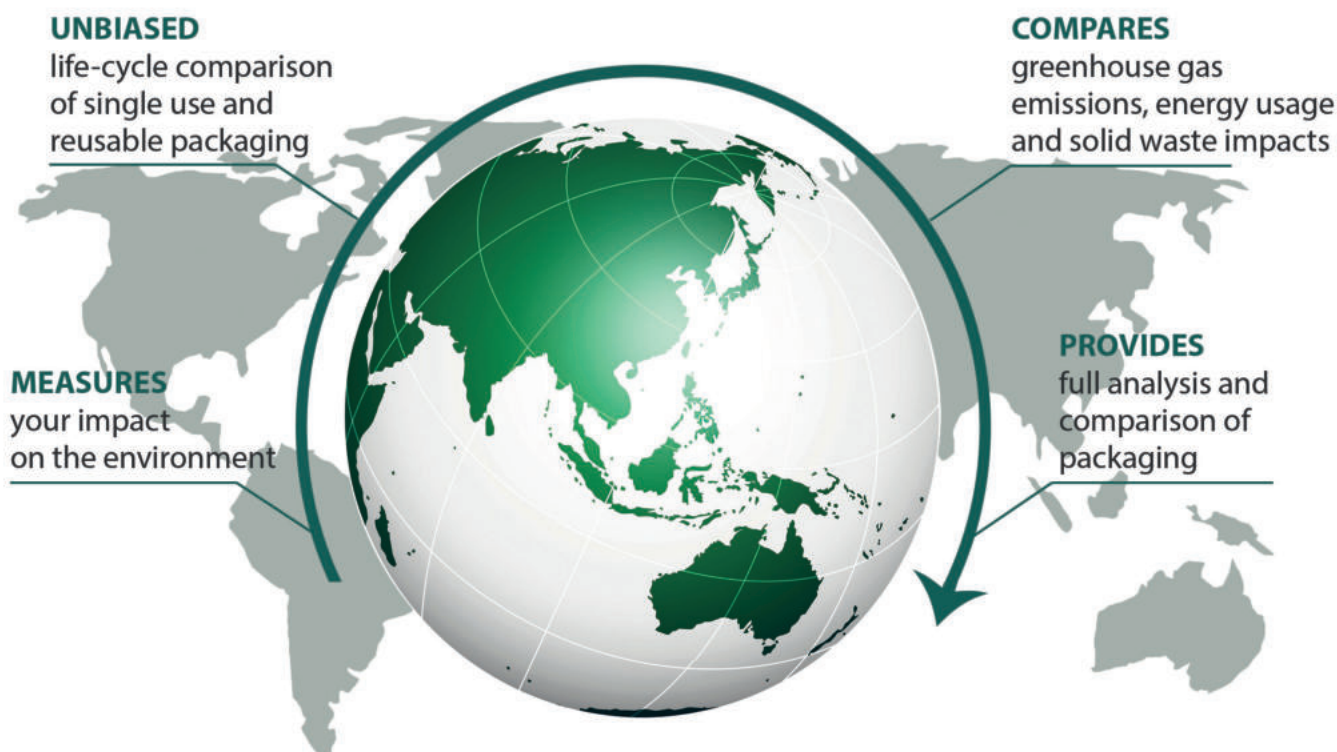
SUSTAINABILITY

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 plastic totes, pallets, dunnage and FLC systems 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.

When you use plastic reusable packaging, not only will you reduce shipping and waste disposal costs, but you will make a positive impact on the environment.



ORBIS

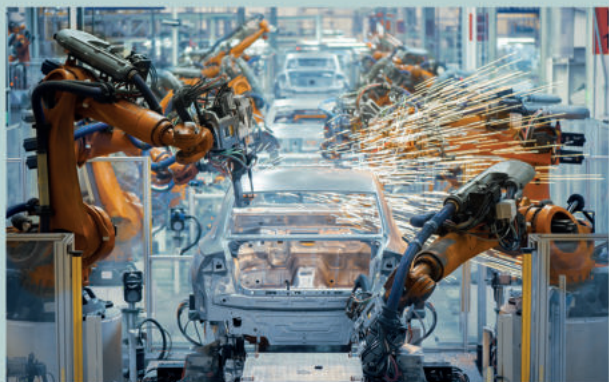
Powered by Menasha Corporation

ORBIS' environmentally sound program allows your plastic reusable packaging products to be recovered, recycled and reprocessed into new products. When compared to one-time use or disposable packaging, the reusability and recyclability of ORBIS containers and pallets enables significant source reduction.

**ZERO
WASTE**

5

MARKET OVERVIEW



Automotive

ORBIS' plastic reusable packaging improves the flow of products all along the automotive supply chain for significant cost reduction. For decades, ORBIS has led the conversion of plastic reusable packaging in the automotive industry and today continues to manage vehicle launches with leading automotive manufacturers and suppliers. ORBIS experts facilitate a well-planned, collaborative approach to implementing reusable packaging to maximize the automotive supply chain.

Food & Beverage

ORBIS leads the way in reusable plastic packaging for the beverage industry focusing on improved food safety, reduced risk of product damage, improved facility cleanliness and enhanced supply chain performance. Reusable packaging drives value at every point of the supply chain, including food and beverage container manufacturing, work-in-process, finished goods storage, distribution, direct-store deliveries and merchandising.



FMCG

ORBIS reusable plastic pallets and containers are ideal for FMCG transport and storage applications because of their non-porous surfaces, cleanability and contoured design for easy handling when compared to wood or fiber alternatives, ORBIS' packaging reduces the risk of nails, wood splinters, dust and other debris from damaging FMCG products in the supply chain.

MARKET OVERVIEW

Industrial Manufacturing

ORBIS offers a wide range of standardized and customized reusable packaging systems designed to optimize the supply chain and withstand the rigorous, heavy load requirements of the industrial manufacturing market. From heavy-duty FLC and durable pallets to hand-held KLT and custom protective dunnage, ORBIS offers packaging solutions to maximize product flow efficiency in the industrial manufacturing environment.

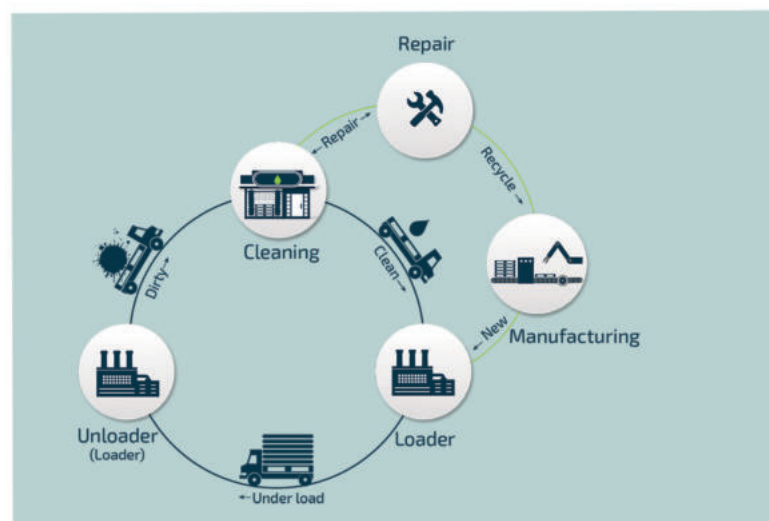


Packaging Management & Pooling

ORBIS' pooling and container management services cut the time and effort needed to track, retrieve, clean and inventory packaging assets in a wide variety of industries including automotive, industrial, food, beverage and retail. Combined with the expertise of packaging design and manufacturing, ORBIS has the industry leading knowledge to maximize regional as well as global supply chains and reduce the total cost of supply chain management.

Retail

To support FMCG suppliers and retailers, ORBIS offers a wide variety of reusable containers and pallets to move products throughout the retail supply chain. ORBIS products interface seamlessly with automated systems, optimize picking systems, enhance point-of-purchase displays and reduces system downtime by moving products from the distribution center to the retailer faster, safer and more cost-effectively.



OUR PRODUCTS

Foldable Large Containers (FLC)

Kleinladungsträger (KLT)

Pallets

Dunnage



ORBIS BULPAK® FAMILY

ORBIS BulkPak® brand of containers help global automotive and industrial companies streamline part shipments and reduce supply chain waste. ORBIS manufactures a portfolio of FLCs in Europe. These products are designed to protect and transport parts in automotive and industrial applications.

The ORBIS BulkPak® FLC's stack securely when full and fold when empty for return trips, for improved truck utilization. The whole portfolio is structurally foam molded in high density polyethylene. This way, ORBIS provides innovative alternatives to steel packaging.

900 KG WEIGHT CAPACITY

COLLAPSIBLE

STACKABLE

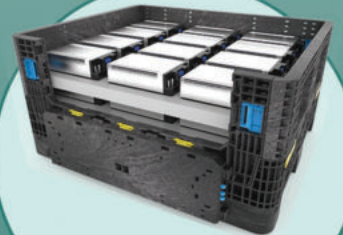
NO RUST



HDB1012



OCEANPAK®



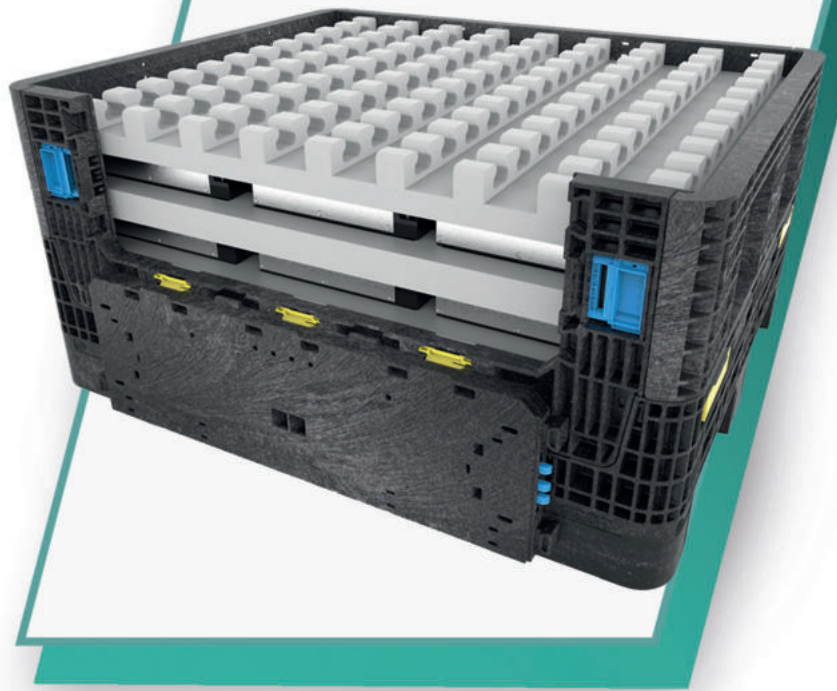
IONPAK®



GITTERPAK®

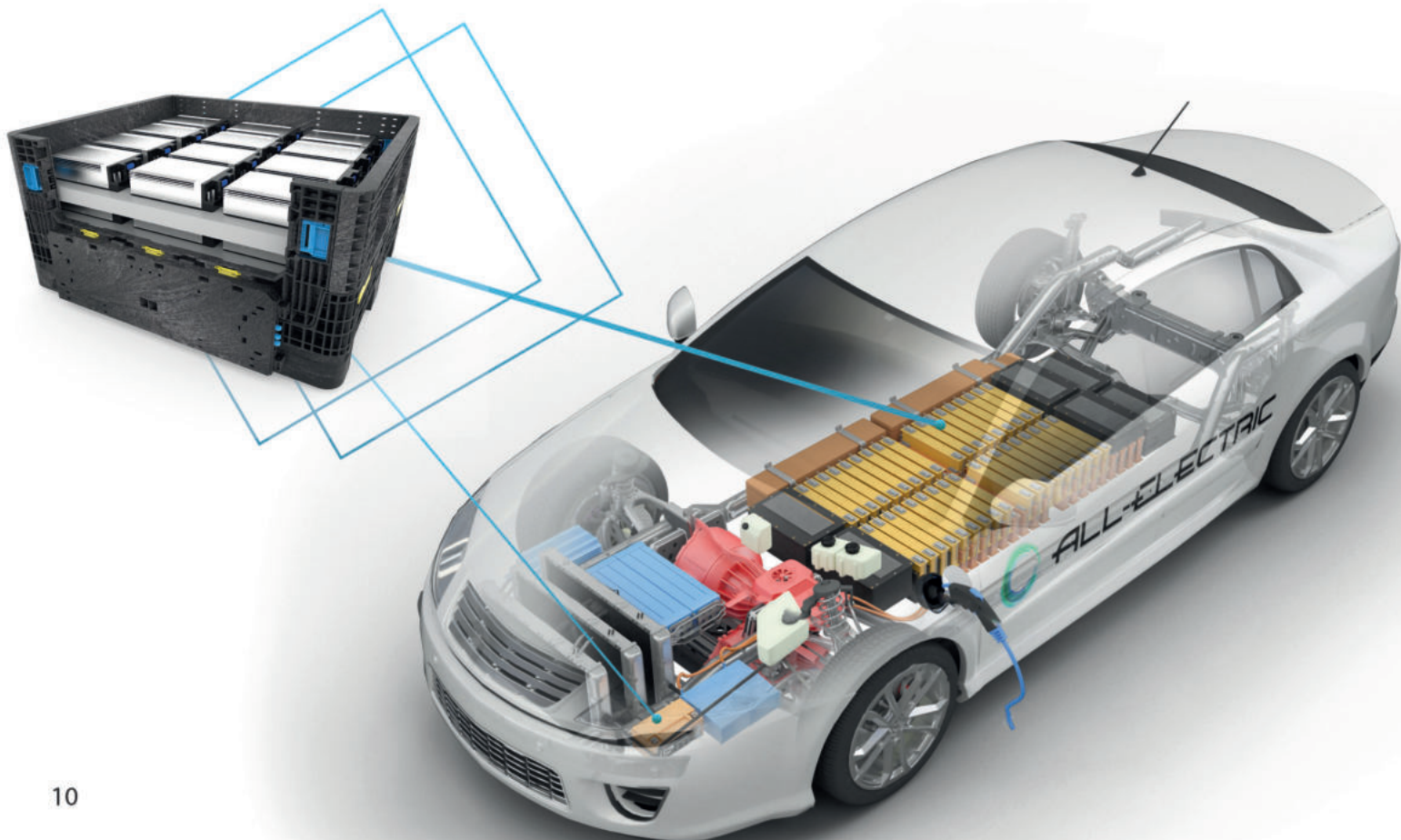
▶ IonPak®

The collapsible heavy-duty IonPak® is designed to transport modular lithium-ion batteries safely, damage-free and cost-efficiently.



IonPak® Overview

- weight capacity of 900kg
- collapsible to reduce shipping cost
- ideal footprint for logistics and automated systems
- multiple bottom configurations
- multiple access door configurations
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design



Lithium Ion Automotive Battery Packaging

- ORBIS IonPak® is UN 3480 certified
- Successfully converts original steel case packaging to a collapsible plastic container, with protective foam dunnage layers
- Utilizes an automotive industry standard footprint designed to interface with customers existing supply chain
- Increases return ratio and warehousing savings with a collapsible container design
- Eliminates risk of rust contamination and operator safety hazards

IonPak® Product Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

Model	1000 x 1200 x 600/582		1000 x 1200 x 750/732	
Available Bottom Configuration	Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)	1000 x 1200 x 600	1000 x 1200 x 582	1000 x 1200 x 750	1000 x 1200 x 732
Inside Dimensions (L x W)	913 x 1113 x 462	913 x 1113 x 462	913 x 1113 x 612	913 x 1113 x 612
Collapsed Height	335	317	335	317
Container Capacity (kg)	900	900	900	900
Weight (kg)	54	51	61	57

Specifications (All dimensions in mm, unless otherwise indicated)

Model	1000 x 1200 x 888/870		1000 x 1200 x 998/980	
Available Bottom Configuration	Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)	1000 x 1200 x 888	1000 x 1200 x 870	1000 x 1200 x 998	1000 x 1200 x 980
Inside Dimensions (L x W)	913 x 1113 x 750	913 x 1113 x 750	913 x 1113 x 860	913 x 1113 x 860
Collapsed Height	335	317	335	317
Container Capacity (kg)	900	900	900	900
Weight (kg)	68	64	73	69

Find more detailed information on page 27.



GitterPak®

Collapsible heavy-duty GitterPak® – the ideal, reliable packaging substitute for steel gitterboxes.



GitterPak® Overview

- European standard 1200x800 footprint
- weight capacity of 900kg
- collapsible to reduce shipping cost
- ideal footprint for logistics and automated systems
- multiple access door configurations
- multiple bottom configurations
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design





HDB108-960 with top cap



HDB1208-960 with three runner base

GitterPak® Product Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDB1208-960
Outside Dimensions (L x W x H)	1200 x 800 x 960
Inside Dimensions (L x W)	1120 x 720
Collapsed Height	354
Container Capacity (kg)	900
Weight (kg)	65

Find more detailed information on page 26.



GitterPak:
272 Units

Steel
Gitterboxes:
78 Units

HDB1012

The collapsible heavy-duty HDB1012 is designed to protect and transport parts in global automotive and industrial applications.



HDB1012 Overview

- automotive industry standard
- 1000x1200 footprint
- weight capacity of 900kg
- collapsible to reduce shipping cost
- ideal footprint for logistics and automated systems
- multiple access door configurations
- multiple bottom configurations
- multiple heights
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design



Fixed Wall
Steel:
78 units

HDB1012:
234 units

HDB1012 Product Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

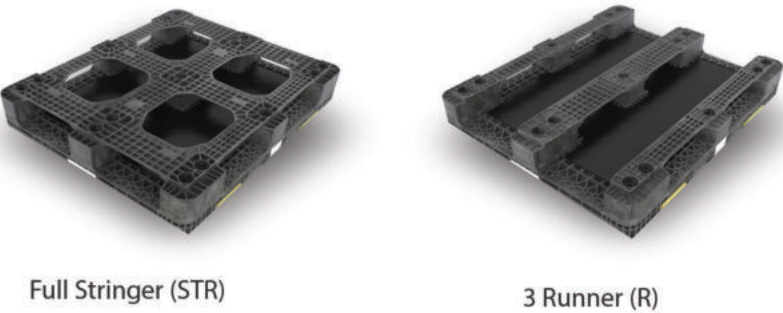
Model	1000 x 1200 x 888/870		1000 x 1200 x 998/980	
	HDB1012-888 STR	HDB1012-870 R	HDB1012-998 STR	HDB1012-980 R
Available Bottom Configuration	Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)	1000 x 1200 x 888	1000 x 1200 x 870	1000 x 1200 x 998	1000 x 1200 x 980
Inside Dimensions (L x W)	913 x 1113 x 750	913 x 1113 x 750	913 x 1113 x 860	913 x 1113 x 860
Collapsed Height	335	317	335	317
Container Capacity (kg)	900	900	900	900
Weight (kg)	68	64	73	69

Find more detailed information on page 28-29.

Heights



Bottom Configurations



OceanPak®

The collapsible heavy-duty OceanPak® is designed for intercontinental shipments and offers an efficient footprint that optimizes an ISO sea-container.



OceanPak® Overview

- weight capacity of 900kg
- collapsible to reduce shipping cost
- ideal for long distance sea freight transportation
- multiple bottom configurations
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design

OceanPak® Product Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDI 119114-84 (Full Stringer)
Outside Dimensions (L x W x H)	1190 x 1135 x 840
Inside Dimensions (L x W)	1120 x 1065
Collapsed Height	330
Container Capacity (kg)	900
Weight (kg)	47

Find more detailed information on page 24.



HDI:
60 units
Full /
Assembled

HDI:
160 units
Empty /
Collapsed



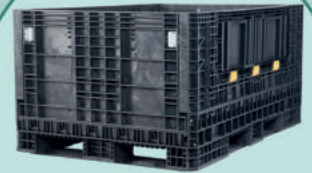
ORBIS BULKPAK® HDR FAMILY

ORBIS offers a diverse family of heavy-duty BulkPak® FLCs for rugged industrial and automotive applications. These robust containers are designed for a long service life and are available in a variety of footprints. From small-format to extended length collapsible designs to durable, fixed wall designs, these containers are ideal for handling, storing and transporting parts in the supply chain. These specialty FLC's are structurally foam molded in high density polyethylene and are ideal alternatives to steel packaging and other expendable packaging.

COLLAPSIBLE

STACKABLE

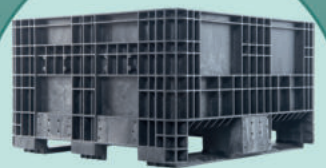
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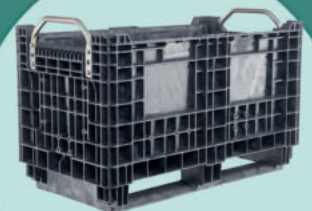
EXTENDED
LENGTH



32" x 30"



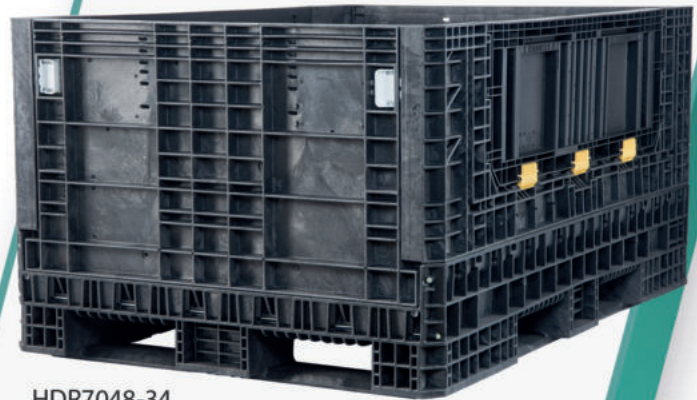
FIXED WALL
CONTAINERS



BULKTOTE

HDR Extended Length

**The collapsible heavy-duty
Extended Length is designed to handle
extremely long and hard-to-fit parts.**



HDR7048-34

HDR Extended Length Overview

- stackable to reduce shipping cost
- ideal size for logistics and automated systems
- multiple access door configurations
- extra wide access doors
- multiple identification options available
- structural foammolded in high-density polyethylene for durability
- multiple bottom configurations
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design
- all plastic picture frame bottom with rounded legs for easy fork truck handling

HDR Extended Length Product Specifications

HDR6548-50



Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDR5648-34 NV	HDR6548-25 NV	HDR6548-34 NV
Outside Dimensions (L x W x H)	1435,1 x 1219,2 x 878,8	1638,3 x 1219,2 x 650,2	1638,3 x 1219,2 x 878,8
Inside Dimensions (L x W)	1353,8 x 1137,9	1557 x 1137,9	1557 x 1137,9
Collapsed Height	345,4	345,4	345,4
Container Capacity (kg)	900	900	900
Weight (kg)	89,1	81,9	98,1

Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDR6548-50	HDR7048-34	HDR7848-34
Outside Dimensions (L x W x H)	1638,3 x 1219,2 x 1270	1778 x 1219,2 x 863,6	1981,2 x 1219,2 x 863,6
Inside Dimensions (L x W)	1557 x 1137,9	1686,6 x 1130,3	1892,3 x 1130,3
Collapsed Height	561,3	337,8	337,8
Container Capacity (kg)	900	675	675
Weight (kg)	113,4	102,6	103,5

[Find more detailed information on page 31.](#)

HDR 32" x 30"

The heavy-duty 32" x 30" containers are ideal for metal stampings and other heavy, dense components. These FLCs are built for long-lasting durability in heavy-duty applications.



HDR3230-34

HDR 32" x 30" Overview

- weight capacity of 900kg
- stackable to reduce shipping cost
- ideal footprint for logistics and automated systems
- multiple access door configurations
- multiple bottom configurations
- easy to clean, rust-free, preventing metal-on-metal part damage with all plastic design

HDR3230-34



HDR3230-25



HDR 32" x 30" Product Specifications

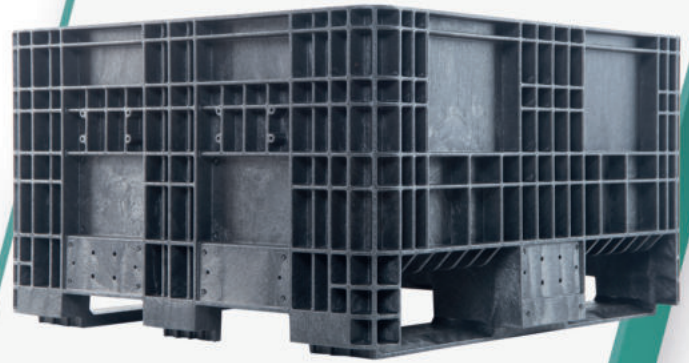
Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDR3230-25 NV	HDR3230-34 NV
Outside Dimensions (L x W x H)	812,8 x 762 x 635	812,8 x 762 x 863,6
Inside Dimensions (L x W)	741,7 x 693,4	741,7 x 693,4
Container Capacity (kg)	900	900
Collapsed Height	335,3	335,3
Weight (kg)	29,3	36,5

Find more detailed information on page 27.

HDR Fixed Wall Containers

ORBIS offers a variety of fixed wall containers for extremely heavy, dense loads. Designed to hold 900kg and to replace wire baskets, these robust containers are built for long-lasting durability in heavy-duty applications.

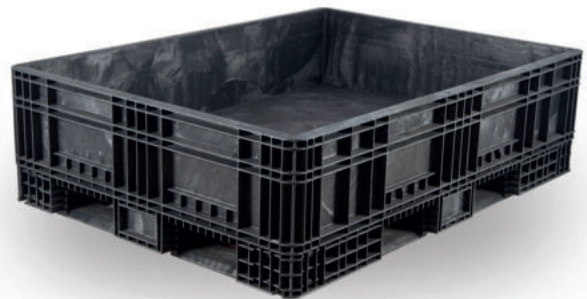


HDRS230

HDRS4548



HDRS5648



Fixed Wall Containers Product Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDRS3230-18	HDRS4048-16
Outside Dimensions (L x W x H)	813 x 762 x 457	1201 x 1006 x 409
Inside Dimensions (L x W)	742 x 693	1107 x 914
Container Capacity (kg)	900	900
Weight (kg)	23	42

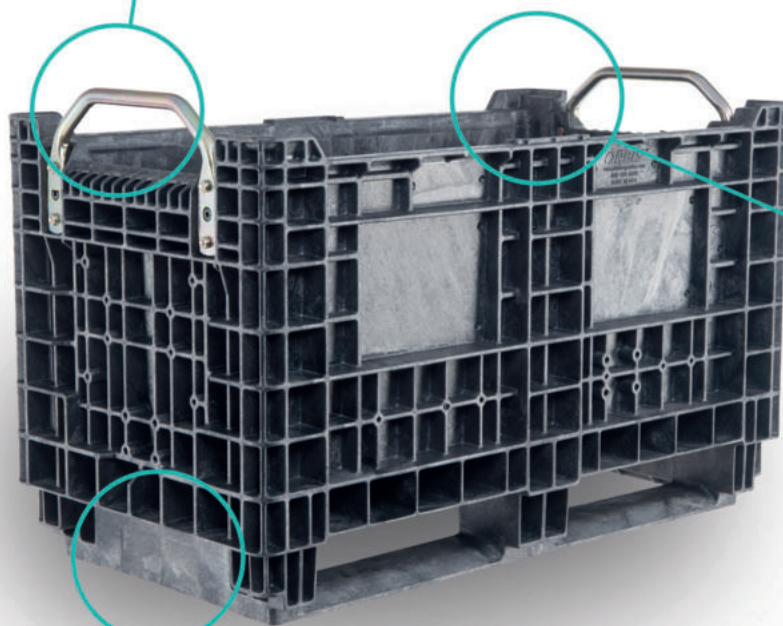
Specifications (All dimensions in mm, unless otherwise indicated)

Model	HDRS4548-19	HDRS4548-21	HDRS4548-24
Outside Dimensions (L x W x H)	1219 x 1143 x 490	1219 x 1143 x 541	1219 x 1143 x 630
Inside Dimensions (L x W)	1125 x 1049	1125 x 1049	1125 x 1049
Container Capacity (kg)	900	900	900
Weight (kg)	45,9	48,6	54

Find more detailed information on page 30.

BULK TOTE®

MAXIMIZED FOOTPRINT



CORNER STABILITY



SAFE HANDLING



30" x 16" Bulk Tote® Overview

- 30" x 16" profile and forktruck entry on all four sides delivers versatility to the entry line
- better use of internal capacity optimizes the amount of parts delivered to the line
- structural foam molded in high-density polyethylene (HDPE) for a long service life
- ideal for heavy/dense parts, metal stampings, industrial hosing

VDA KLTs

ORBIS offers a variety of VDA KLT straight wall totes for a wide range of applications. ESD-safe materials are available for electrical component packaging.



R-KLT



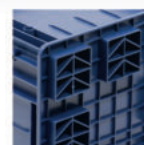
RL-KLT
ESD



Smooth Bottom
with Drainholes



Smooth Bottom



Reinforced Bottom

VDA KLT's Product Specifications

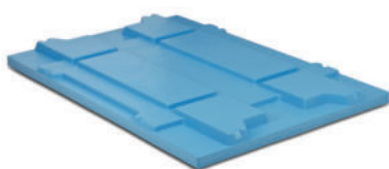
Specifications (All dimensions in mm, unless otherwise indicated)

Model R-KLT VDA CERTIFIED		R-KLT 3215 VDA	RL-KLT 3147 VDA	C-KLT 3214VDA
Outside Dimensions (L x W x H)		300 x 200 x 147	300 x 200 x 147	300 x 200 x 147
Inside Dimensions (L x W)		243 x 162	243 x 162	263 x 138
Internal Height		129,5	129,5	118,5
ESD Material Available		yes	yes	yes
Pieces/Pallet	80 x 120 Export Pallet	360	360	360
	100 x 120 Export Pallet	320	320	320

Model KLT LIDS VDA CERTIFIED		D-32 LID	D-43 LID	D-35 LID
Outside Dimensions (L x W x H)		267 x 150 x 8	365 x 267,2 x 25	268 x 170 x 17
ESD Material Available		yes	yes	yes
Material		PP	PP	PP
Pieces/Pallet	80 x 120 Export Pallet	1000	500	100
	100 x 120 Export Pallet	800	400	800

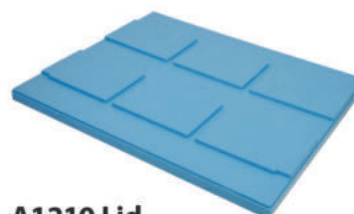
Examples of ORBIS' KLT offerings.

Find more detailed information on page 32.



A1208-1

Dimension: 800 x 1210 x 84 mm

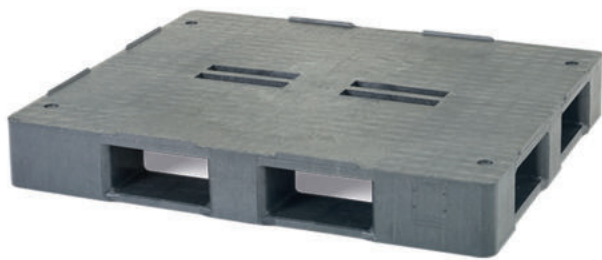
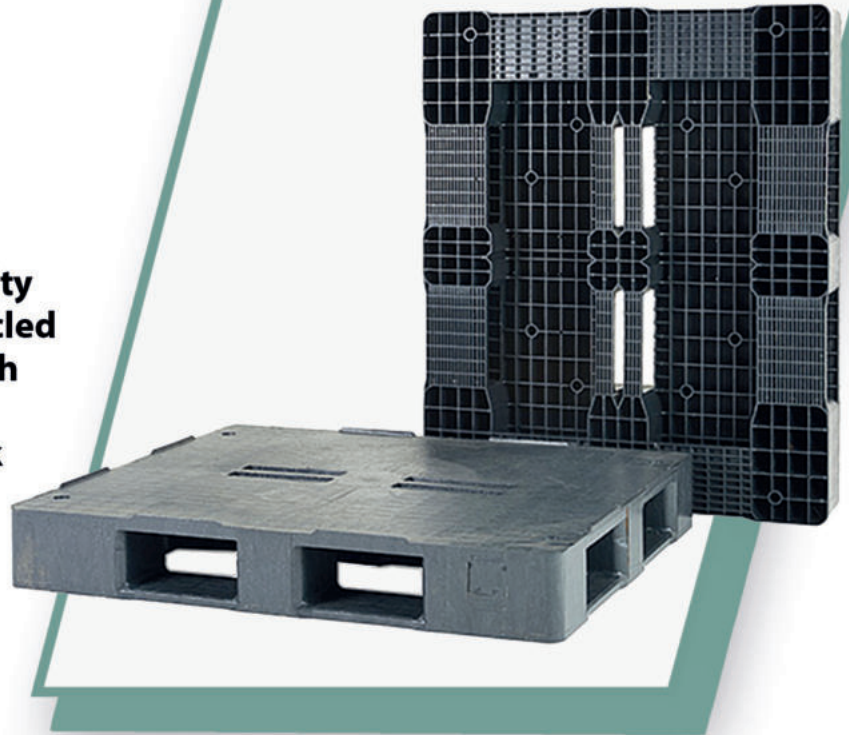


A1210 Lid

Dimension: 1000 x 1200 x 66 mm

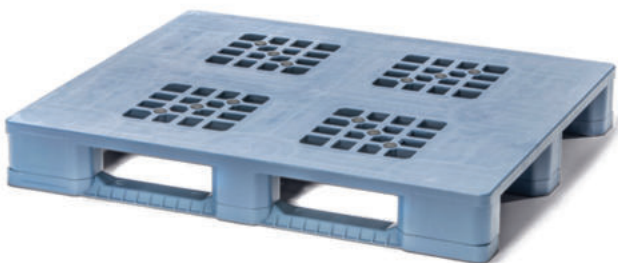
Pallets

Durable, insusceptible to impact and extremely robust – ORBIS' high-quality plastic pallets made of virgin or recycled material makes them suitable for high circulation rates. The structural foam manufacturing process allows a thick walled, robust design. That makes structural foam plastic pallets particularly resistant to deflection when they are used in high-bay racking. ORBIS plastic pallets are designed for a long service life and offer an environmental alternative to wood pallets.



Heavy Duty Industrial (1200x1000)

- 6-Runner Pallet designed for heavy loads
- racking capacity of 2000kg
- ideal for high rotation applications



Industry Standard Dimensions (1200x1000)

- ideal for semi-hygenic applications
- for high-rotation usage
- especially useful when the pallet is used in racks



Euro Dimension Pallet (1200x800)

- 3-Runner Plastic Pallet with extra high safety rin
- various loading capacities
- designed to interface with racking and conveyor systems



CUSTOM PROTECTIVE DUNNAGE



Dunnage Design Considerations

- part size
- part weight
- weight distribution
- part orientation
- part separation
- class A protection
- shock density
- ESD sensitivity
- pack density
- production volumes
- maximum container weight
- lineside presentation

Benefits include

- improves container load distribution
- consistent inventory measurements
- improves warehouse utilization
- reduces transportation costs
- reduces down-time on production lines
- reduces waste
- reduces packaging costs



Find more information on all dunnage options on
www.orbiscorporation.com

PRODUCT SPECIFICATIONS

Foldable Large Containers (FLCs)

Kleinladungsträger (KLTs)



PRODUCT SPECIFICATIONS

Foldable Large Containers (FLC's)

GitterPak®

See page 12



Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDB1208-960
Outside Dimensions (L x W x H)			1200 x 800 x 960
Inside Dimensions (L x W)			1120 x 720
Product Clearance			776
Collapsed Height			354
Container Capacity (kg)			900
Internal Volume to fill line (liters)			625
Weight (kg)			65
Maximum Loaded Stack	Static		6 High
	Dynamic		3 High
Return Ratio			2.7:1
Access Door Openings	Height	Long Side	465
		Short Side	465
	Width	Long Side	900
		Short Side	420
Fork Openings	Height	Long Side	79
		Short Side	102
	Width	Long Side	290
		Short Side	224
40' Container Quantities (w/o covers)	Collapsed		175
	Assembled		50
3m Truckload Quantities (w/o covers)	Collapsed		272
	Assembled		102

Specifications (All dimensions in mm, unless otherwise indicated)

Compatible Top Cap	CHDB1208 Top
Manufacturing Process	High Pressure
Material	HDPE
Outside Dimensions (L x W x H)	1225 x 825 x 51
Weight (kg)	5,4

OceanPak®

See page 16



Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDI 11498-07 (9 Foot Caps)	HDI 11498-07 (3 Runners)	HDI 11498-10 (9 Foot Caps)	HDI 11498-10 (3 Runners)	HDI 119114-84 (Full Stringer)
Outside Dimensions (L x W x H)			1135 x 976 x 730	1135 x 976 x 760	1135 x 976 x 1016	1135 x 976 x 1046	1190 x 1135 x 840
Inside Dimensions (L x W)			1050 x 900	1050 x 900	1050 x 900	1050 x 900	1120 x 1065
Product Clearance			593	593	883	883	655
Collapsed Height			295	325	295	325	330
Container Capacity (kg)			600	600	600	600	900
Internal Volume to fill line (liters)			556	556	832	832	773
Weight (kg)			43	46	46	49	47
Maximum Loaded Stack	Static		6 High	6 High	6 High	6 High	6 High
	Dynamic		3 High	3 High	2 High	2 High	3 High
Return Ratio			2,5:1	2,3:1	3,5:1	3,2:1	2,5:1
Access Door Openings	Height	Long Side	350	350	519	519	404
	Width	Long Side	714	714	714	714	799
Fork Openings	Height	Long Side	63	93	63	93	100
		Short Side	63	74	63	74	100
	Width	Long Side	303	303	303	303	260
		Short Side	224	224	224	224	276
20' Container Quantities (w/o covers)	Collapsed		96	84	96	84	63
	Assembled		36	36	24	24	18
40' Container Quantities (w/o covers)	Collapsed		216	192	216	192	160
	Assembled		72	72	48	48	60
3m Truckload Quantities (w/o covers)	Collapsed		260	234	260	234	198
	Assembled		104	104	52	52	66

PRODUCT SPECIFICATIONS

IonPak®

See page 10



Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 600/582		1000 x 1200 x 750/732	
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1000 x 1200 x 600	1000 x 1200 x 582	1000 x 1200 x 750	1000 x 1200 x 732
Inside Dimensions (L x W)		913 x 1113 x 462	913 x 1113 x 462	913 x 1113 x 612	913 x 1113 x 612
Product Clearance		434	434	585	585
Collapsed Height		335	317	335	317
Nested Height		317	299	317	299
Container Capacity (kg)		900	900	900	900
Internal Volume to fill line (liters)		441	441	594	594
Weight (kg)		54	51	61	57
Fork Strap Thickness		18	18 (long side)	18	18 (long side)
Fork Tunnel Dimensions (W x H)	1000 Side	288 x 90	288 x 90	288 x 90	288 x 90
	1200 Side	288 x 90	289 x 72	288 x 90	289 x 72
Access Door Dimensions (W x H)	1000 Side	N/A	N/A	754 x 349	754 x 349
	1200 Side	820 x 274	820 x 274	820 x 349	820 x 349
Maximum Loaded Stack	Static	6 High	6 High	6 High	6 High
	Dynamic	4 High	4 High	4 High	4 High

Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 888/870		1000 x 1200 x 998/980	
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1000 x 1200 x 888	1000 x 1200 x 870	1000 x 1200 x 998	1000 x 1200 x 980
Inside Dimensions (L x W)		913 x 1113 x 750	913 x 1113 x 750	913 x 1113 x 860	913 x 1113 x 860
Product Clearance		723	723	834	834
Collapsed Height		335	317	335	317
Nested Height		317	299	317	299
Container Capacity (kg)		900	900	900	900
Internal Volume to fill line (liters)		735	735	847	847
Weight (kg)		68	64	73	69
Fork Strap Thickness		18	18 (long side)	18	18 (long side)
Fork Tunnel Dimensions (W x H)	1000 Side	288 x 90	288 x 90	288 x 90	288 x 90
	1200 Side	288 x 90	289 x 72	288 x 90	289 x 72
Access Door Dimensions (W x H)	1000 Side	754 x 418	754 x 418	754 x 473	754 x 473
	1200 Side	820 x 418	820 x 418	820 x 473	820 x 473
Maximum Loaded Stack	Static	6 High	6 High	6 High	6 High
	Dynamic	3 High	3 High	3 High	3 High

HDR 32" x 30"

See page 19



Specifications (All dimensions in mm, unless otherwise indicated)

Model		HDR3230-25 NV	HDR3230-34 NV
Outside Dimensions (L x W x H)		813 x 762 x 635	813 x 762 x 864
Inside Dimensions (L x W)		742 x 693	743 x 693
Product Clearance		465	694
Container Capacity (kg)		900	900
Collapsed Height		335	335
Internal Volume to fill line (liters)		240	358
Weight (kg)		29,0	37
Maximum Loaded Stack	Static	6 High	6 High
	Dynamic	4 High	3 High
Return Ratio		1:9:1	2:6:1
Access Door Openings	Height	287	399
	Width	457	457
Fork Openings	Height	Long Side	87
		Short Side	57
	Width	Long Side	260
		Short Side	181
40' Container Quantities (w/o covers)	Collapsed	336	336
	Assembled	168	126
3m Truckload Quantities (w/o covers)	Collapsed	432	432
	Assembled	192	144

Cover	CHDR3230
Outside Dimensions (L x W x H)	838,2 x 787,4 x 76,2
Inside Dimensions (L x W)	774,7 x 823
Product Clearance	43,2
Weight (kg)	4,6

PRODUCT SPECIFICATIONS

HDB1012

See page 14



Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 600/582		1000 x 1200 x 750/732	
		HDB1012-600 STR	HDB1012-582 R	HDB1012-750 STR	HDB1012-732 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1000 x 1200 x 600	1000 x 1200 x 582	1000 x 1200 x 750	1000 x 1200 x 732
Inside Dimensions (L x W)		913 x 1113 x 462	913 x 1113 x 462	913 x 1113 x 612	913 x 1113 x 612
Product Clearance		434	434	585	585
Collapsed Height		335	317	335	317
Nested Height		317	299	317	299
Container Capacity (kg)		900	900	900	900
Internal Volume to fill line (liters)		441	441	594	594
Weight (kg)		54	51	61	57
Fork Strap Thickness		18	18 (long side)	18	18 (long side)
Fork Tunnel Dimensions (W x H)	1000 Side	288 x 90	288 x 90	288 x 90	288 x 90
	1200 Side	288 x 90	289 x 72	288 x 90	289 x 72
Access Door Dimensions (W x H)	1000 Side	N/A	N/A	754 x 349	754 x 349
	1200 Side	820 x 274	820 x 274	820 x 349	820 x 349
Maximum Loaded Stack	Static	6 High	6 High	6 High	6 High
	Dynamic	4 High	4 High	4 High	4 High

Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 888/870		1000 x 1200 x 998/980	
		HDB1012-888 STR	HDB1012-870 R	HDB1012-998 STR	HDB1012-980 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Outside Dimensions (L x W x H)		1000 x 1200 x 888	1000 x 1200 x 870	1000 x 1200 x 998	1000 x 1200 x 980
Inside Dimensions (L x W)		913 x 1113 x 750	913 x 1113 x 750	913 x 1113 x 860	913 x 1113 x 860
Product Clearance		723	723	834	834
Collapsed Height		335	317	335	317
Nested Height		317	299	317	299
Container Capacity (kg)		900	900	900	900
Internal Volume to fill line (liters)		735	735	847	847
Weight (kg)		68	64	73	69
Fork Strap Thickness		18	18 (long side)	18	18 (long side)
Fork Tunnel Dimensions (W x H)	1000 Side	288 x 90	288 x 90	288 x 90	288 x 90
	1200 Side	288 x 90	289 x 72	288 x 90	289 x 72
Access Door Dimensions (W x H)	1000 Side	754 x 418	754 x 418	754 x 473	754 x 473
	1200 Side	820 x 418	820 x 418	820 x 473	820 x 473
Maximum Loaded Stack	Static	6 High	6 High	6 High	6 High
	Dynamic	3 High	3 High	3 High	3 High

Specifications (All dimensions in mm, unless otherwise indicated)

Compatible Top Cap	CHDB1012 Top Cap	CHDR4048 Cover
Manufacturing Process	High Pressure	Structural Foam
Material	HDPE	HDPE
Outside Dimensions (L x W x H)	1013 x 1213 x 52	1019 x 1220 x 94
Inside Dimensions (L x W)	1007 x 1207	1006 x 1208
Weight (kg)	5,75	10,43

PRODUCT SPECIFICATIONS

HDB1012

See page 14



Shipping Specifications

Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 600/582		1000 x 1200 x 750/732	
		HDB1012-600 STR	HDB1012-582 R	HDB1012-750 STR	HDB1012-732 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Truckload Capacities (3m Trailer)	Collapsed	234	234	234	234
	Collapsed w/ top cap	234	234	234	234
	Assembled	130	130	104	104
	Assembled w/ top cap	140	130	78	104
Sea Container (40' HC)	Collapsed	168	168	168	168
	Collapsed w/ top cap	147	168	147	168
	Assembled	84	84	63	63
	Assembled w/ top cap	84	84	63	63

Specifications (All dimensions in mm, unless otherwise indicated)

Model		1000 x 1200 x 888/870		1000 x 1200 x 998/980	
		HDB1012-888 STR	HDB1012-870 R	HDB1012-998 STR	HDB1012-980 R
Available Bottom Configuration		Full Stringer	3 Runners	Full Stringer	3 Runners
Truckload Capacities (3m Trailer)	Collapsed	234	234	234	234
	Collapsed w/ top cap	234	234	234	234
	Assembled	78	78	78	78
	Assembled w/ top cap	78	78	52	78
Sea Container (40' HC)	Collapsed	168	168	168	168
	Collapsed w/ top cap	147	168	147	168
	Assembled	42	42	42	42
	Assembled w/ top cap	42	42	42	42

Specifications (All dimensions in mm, unless otherwise indicated)

3m - Mega Trailer	Internal Dimension (m): 13,60 x 2,45 x 3 Weight limit: 24,000 kg	ORBIS BULPAK	STEEL STILLAGE
		HDB1012-980	1000 x 1200 x 1000
Return Freight Comparison	Quantity of Containers per Trailer	78	78
	Quantity of Returned Containers per Trailer	234	78
	Return Ratio	3 : 1	1 : 1
Weight Comparison	Total Packaging Tare Weight (kg)	5,382 kg	11,700 kg
	Maximum Packaged Product Weight (kg)	18,618 kg	12,300 kg

PRODUCT SPECIFICATIONS

Fixed Wall Containers

See page 20



Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDRS3230-18	HDRS4048-16
Outside Dimensions (L x W x H)			813 x 762 x 457	1201 x 1006 x 409
Inside Dimensions (L x W)			742 x 693	1107 x 914
Product Clearance			292	236
Container Capacity (kg)			900	900
Internal Volume to fill line (liters)			150	239
Weight (kg)			23	42
Maximum Loaded Stack	Static		6 High	6 High
	Dynamic		5 High	5 High
Return Ratio			1 : 1	1 : 1
Fork Openings	Height	Long Side	87	88
		Short Side	57	88
	Width	Long Side	260	331
		Short Side	181	290
40' Container Quantities (w/o covers)		Assembled	210	126
3m Truckload Quantities (w/o covers)		Assembled	300	180

Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDRS4548-19	HDRS4548-21	HDRS4548-24
Outside Dimensions (L x W x H)			1219 x 1143 x 490	1219 x 1143 x 541	1219 x 1143 x 630
Inside Dimensions (L x W)			1125 x 1049	1125 x 1049	1125 x 1049
Product Clearance			323	373	457
Container Capacity (kg)			900	900	900
Internal Volume to fill line (liters)			381	441	540
Weight (kg)			45,9	48,6	54
Maximum Loaded Stack	Static		6 High	6 High	6 High
	Dynamic		6 High	6 High	4 High
Return Ratio			1 : 1	1 : 1	1 : 1
Fork Openings	Height	Long Side	91	91	91
		Short Side	91	91	91
	Width	Long Side	262	262	262
		Short Side	246	246	246
40' Container Quantities (w/o covers)	Assembled		90	90	72
3m Truckload Quantities (w/o covers)	Assembled		130	130	104

PRODUCT SPECIFICATIONS

Extended Length FLC's

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Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDR5648-34 NV	HDR6548-25 NV	HDR6548-34 NV
Outside Dimensions (L x W x H)			1435 x 1219 x 879	1638 x 1219 x 650	1638 x 1219 x 879
Inside Dimensions (L x W)			1354 x 1138	1557 x 1138	1557 x 1138
Product Clearance			683	457	681
Collapsed Height			345	345	345
Container Capacity (kg)			900	900	900
Internal Volume to fill line (liters)			1052	810	1206
Weight (kg)			89	82	98
Maximum Loaded Stack	Static		3 High	5 High	5 High
	Dynamic		3 High	4 High	3 High
Return Ratio			2,6:1	1,9:1	2,6:1
Access Door Openings	Height	Long Side	437	310	437
		Short side	437	229	437
	Width	Long Side	1036	1278	1240
		Short Side	777	823	777
Fork Openings	Height	Long Side	89	89	89
		Short Side	89	89	89
	Width	Long Side	325	274	274
		Short Side	325	274	274
40' Container Quantities (w/o covers)	Collapsed		72	72	72
	Assembled		27	36	27
3m Truckload Quantities (w/o covers)	Collapsed		162	144	144
	Assembled		54	64	48

Specifications (All dimensions in mm, unless otherwise indicated)

Model			HDR6548-50	HDR7048-34	HDR7848-34
Outside Dimensions (L x W x H)			1638 x 1219 x 1270	1778 x 1219 x 864	1981 x 1219 x 864
Inside Dimensions (L x W)			1557 x 1138	1687 x 1130	1892 x 1130
Product Clearance			1090	678	678
Collapsed Height			561	338	338
Container Capacity (kg)			900	675	675
Internal Volume to fill line (liters)			1931	1293	1451
Weight (kg)			113	103	104
Maximum Loaded Stack	Static		4 High	4 High	4 High
	Dynamic		2 High	3 High	3 High
Return Ratio			2,3:1	2,6:1	2,6:1
Access Door Openings	Height	Long Side	620	424	428
		Short side	391	428	428
	Width	Long Side	1278	1161	1161
		Short Side	823	838	838
Fork Openings	Height	Long Side	89	89	89
		Short Side	89	89	89
	Width	Long Side	274	302	302
		Short Side	274	302	302
40' Container Quantities (w/o covers)	Collapsed		36	72	72
	Assembled		18	27	27
3m Truckload Quantities (w/o covers)	Collapsed		80	126	108
	Assembled		32	42	36

PRODUCT SPECIFICATIONS

Kleinladungsträger (KLT's)

VDA KLT

See page 22



Specifications (All dimensions in mm, unless otherwise indicated)

Model R-KLT VDA CERTIFIED		R-KLT 3215 VDA	R-KLT 4315 VDA	R-KLT 4322 VDA	R-KLT 4329 VDA	R-KLT 6415 VDA	R-KLT 6422 VDA	R-KLT 6429 VDA
Outside Dimensions (L x W x H)		300 x 200 x 147	400 x 300 x 147	400 x 300 x 213	400 x 300 x 280	600 x 400 x 147	600 x 400 x 213	600 x 400 x 280
Inside Dimensions (L x W)		243 x 162	346 x 265	346 x 265	346 x 265	544 x 364	544 x 364	544 x 364
Internal Height		129,5	109,5	198	242	109,5	198	242
Internal Volume to fill line (liters)		5,1	10	18,2	22,2	21,7	39,2	48
Weight (kg)		0,57	1,28	1,61	1,85	1,82	2,6	2,97
ESD Material Available		yes	yes	yes	yes	yes	yes	yes
Material		PP	PP	PP	PP	PP	PP	PP
Pieces/Pallet	80 x 120 Export Pallet	360	180	120	90	90	60	45
	100 x 120 Export Pallet	320	160	104	80	80	52	40
3m Mega Trailer (120x80 pallet loads)		10,560	5,280	3,432	2,640	2,640	1,716	1,320

Model RL-KLT VDA CERTIFIED		RL-KLT 3147 VDA	RL-KLT 4147 VDA	RL-KLT 4213 VDA	RL-KLT 4280 VDA	RL-KLT 6147 VDA	RL-KLT 6213 VDA	RL-KLT 6280 VDA
Outside Dimensions (L x W x H)		300 x 200 x 147	400 x 300 x 147	400 x 300 x 213	400 x 300 x 280	600 x 400 x 147	600 x 400 x 213	600 x 400 x 280
Inside Dimensions (L x W)		243 x 162	345 x 260	345 x 260	345 x 260	544 x 359	544 x 359	544 x 359
Internal Height		129,5	129,5	198	260	129,5	198	262
Internal Volume to fill line (liters)		5,1	11,6	17,8	24,1	25,3	38,7	51,2
Weight (kg)		0,57	1,08	1,42	1,7	1,82	2,27	2,67
ESD Material Available		yes	yes	yes	yes	yes	yes	yes
Material		PP	PP	PP	PP	PP	PP	PP
Pieces/Pallet	80 x 120 Export Pallet	360	180	120	90	90	60	45
	100 x 120 Export Pallet	320	160	104	80	80	52	40
3m Mega Trailer (120x80 pallet loads)		10,560	5,280	3,432	2,640	2,640	1,716	1,320

Model KLT LIDS VDA CERTIFIED		D-32 LID	D-43 LID	D-35 LID	D-45 LID	D-65 LID	A1208-1 LID	A1210 LID
Outside Dimensions (L x W x H)		267 x 150 x 8	365 x 267,2 x 25	268 x 170 x 17	365 x 267 x 13,5	562,5 x 365 x 16	1210 x 810 x 84	1204 x 1006 x 67
Weight (kg)		0,09	0,23	0,09	0,27	0,67	5,15	9,35
ESD Material Available		yes	yes	yes	yes	yes	yes	yes
Material		PP	PP	PP	PP	PP	PP	PP
Pieces/Pallet	80 x 120 Export Pallet	1000	500	100	500	250	40	40
	100 x 120 Export Pallet	800	400	800	400	200	40	40
3m Mega Trailer (120x80 pallet loads)		52,800	26,400	52,800	26,400	13,200	1,320	1,040

Model C-KLT VDA CERTIFIED		C-KLT 3214VDA	C-KLT 4314VDA
Outside Dimensions (L x W x H)		300 x 200 x 147	400 x 300 x 147
Inside Dimensions (L x W)		263 x 138	338 x 250
Internal Height		118,5	118,5
Internal Volume to fill line (liters)		4,3	10
Weight (kg)		0,72	1,63
ESD Material Available		yes	yes
Material		PP	PP
Pieces/Pallet	80 x 120 Export Pallet	360	180
	100 x 120 Export Pallet	320	160
3m Mega Trailer (120x80 pallet loads)		10,560	5,280

ORBIS EUROPE LOCATIONS



UK-Sales
Food, beverage and pharmaceutical sales



Cologne, Germany
European Headquarters



Italy - Sales
Automotive and industrial sales



Eindhoven, The Netherlands
RPM Service Center



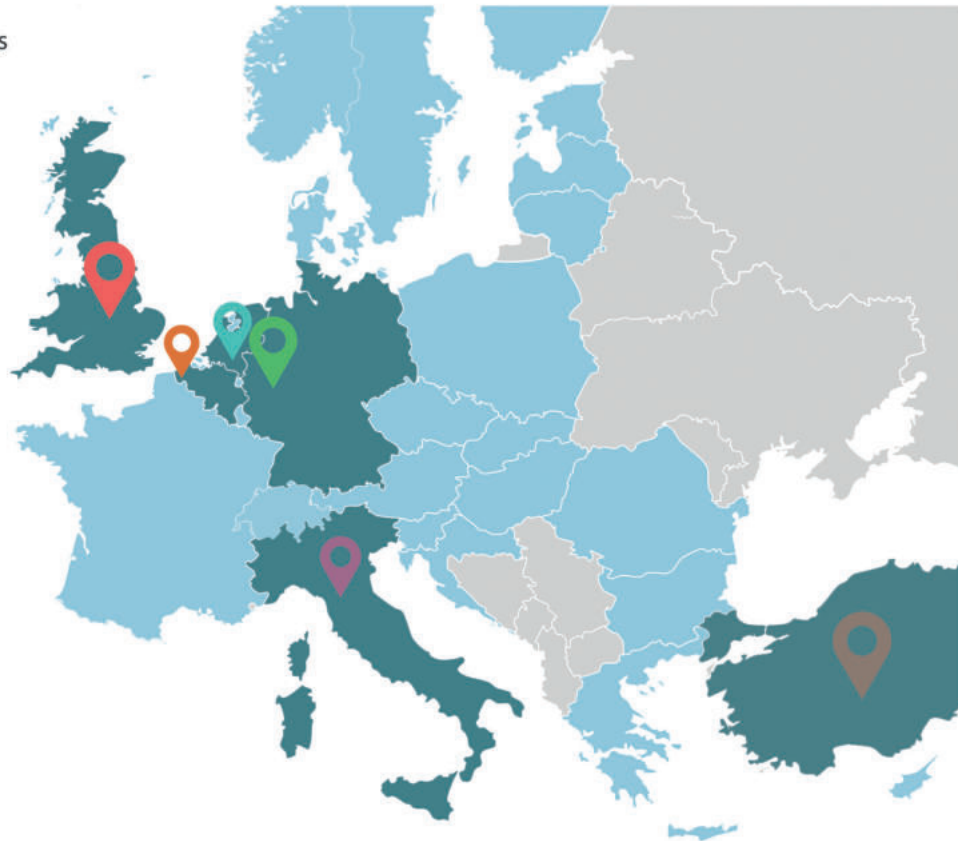
Ieper, Belgium (Manufacturing)
Structural Foam Molding
Products: Pallets, BulkPak



Turkey (Manufacturing)
Structural Foam Molding
Products: Pallets, KLT, FLC



Cape Town, South Africa
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