

CONTAINER AND PACKAGING SYSTEMS

Variety without limitations



Mission Statement

The success of the Schaefer organization can be attributed to an unwavering commitment to excellence – in the people it chooses to serve its customers and the products it brings to the market. People who understand their customers' needs and are willing to go the extra mile to fulfill them. Products that offer superior quality and innovative design to meet the needs of today and the future.



Reference List

BASF Corporation
Battenfeld of America
BMW of North America

Bobcat
Boeing
Borders Books

Blum Incorporated
CAPS
Conbraco Industries

Cooper Bussman
Cummins Engine
Chrysler

Daimler
Daimler Truck NA
Delphi

Federal Express
Ford Motor Company
Fuji Photo Film

General Electric
General Motors
Harrington Hoist

Hitachi
Honda of America
Hyundai Motor Manufacturing of Alabama

John Deere Engine
Kia Motor Manufacturing of Georgia
Magna

Mazda
Menlo Logistics
Meridian Automotive

Mitsubishi
Murata Electronics
NAPA

New Holland
Nissan
NUMMI

Okuma Machine Tools
Pioneer Industrial Corporation
Pitney-Bowes

Schindler Elevator
Schlage Lock
Siemens Medical

Steelcase
Stihl of America
Subaru

Target Stores
Toyota
Visteon

Walgreens
Whirlpool Corp



Cut & Weld Containers - page 4



Dunnage - page 5-6



EFB Containers - page 43-44

Table of Contents

iii	About Schaefer Systems
iv	Mission Statement
v	Table Of Contents
1	Manufacturing Processes
2	Testing Capabilities
3-8	Custom Solutions
3	Design Capabilities
4	Cut & Weld Containers
5-6	Custom Interior Dunnage
7-8	Custom Steel Racks
9-32	Stack-Only Containers
9-10	NF NewStac™ Containers (AIAG)
11-14	AF Transtac™ Containers (AIAG)
15-16	AF Crosstac™ Containers (AIAG)
17-22	Euro-Fix Containers
23-24	LTB Containers
25-26	14/6 Stackable Containers
27-28	MF Containers
29-30	KLT Containers
31-32	LTS Containers
33-44	180° Stack & Nest Containers
33-34	KFB Containers
35-36	KS Containers
37-38	FB Containers
39-42	KMB Containers
43-44	EFB Containers
45-48	Nest-Only Containers
45-48	KS Containers
49-52	Hopper Front Containers
49-52	LF Hopper Front Containers
53-56	Collapsible Containers
53-54	CF Collapsible Containers (AIAG)
55-56	FK & KB Containers
57-62	Conductive Containers
57-60	Conductive Containers
61-62	ESD Containers
63-64	Bulk Containers
63-64	SB BulkStac™ Containers (AIAG)
65-66	Steel Containers
65-66	Steel Containers
67-72	Pallets & Top Caps
67	NFP Krypto-Lite™ (AIAG)
67	AFP Pallets (AIAG)
68	NFT MultiStac™ (AIAG)
68	AFT Top Cap (AIAG)
69	NFP 4524 Half Pallet and Half Top Cap (AIAG)
70	SI Series Heavy Duty Pallet and Top Cap (AIAG)
70	KFB 48 x 40 Pallet and Top Cap
71-72	TransPak
73-74	Plant & Shop Equipment
73	Free-Standing Racks
74	Wall Systems

Manufacturing Processes



Injection Molded, Conductive Containers

Injection Molding

Injection molding is the best process for producing large volumes of identical plastic parts at the lowest possible price.

Molten plastic is injected into a closed mold and cools to the shape of the mold cavity. The part is ejected when the mold opens. Multiple control variables allow us to produce parts with minimal wall warp and tight dimensional tolerances. Coupled with good design, these molded parts have tremendous impact resistance and strength. Injection molding allows for smooth outer surfaces, which are more easily cleaned, and also allows for the uniform blending of additives, such as U.V. inhibitors, blowing agents and anti-static packages, which improve the functionality of the parts.



Structural Foam Molded BulkStac™ Containers

Structural Foam Molding

Structural foam molding is a variation of injection molding. Molten plastic and nitrogen gas are simultaneously injected into a closed mold. The plastic cools to the shape of the mold cavity and the part is ejected when the mold opens. The nitrogen gas displaces the plastic within the walls—this aids in cooling and reduces weight. Thus, structural foam parts can have thick sections providing strength and stiffness and do so with relatively light weights. This process also allows for minimal warp and tight dimensional tolerances.



Thermoformed AFT 4845 Top Cap

Thermoforming (Single/Twin Sheet)

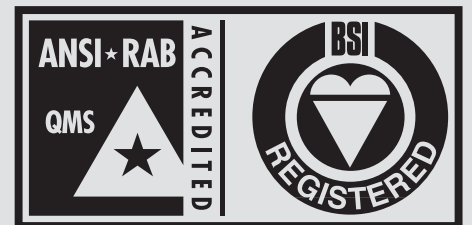
Single sheet thermoformed parts are created by heating a sheet of plastic, forming it to a mold using vacuum suction and trimming off the excess sheet. Twin sheet thermoformed parts are created by heating two sheets of plastic and forming them to a male or female mold with suction. The two parts are then fused together by pressure while they are still warm. Coupled with good design, these parts can have exceptional stiffness and impact resistance.



Diecutting

Flat Bed Die Cutting

At Schaefer, die cutting is used to transform sheet stock into custom designed components which are then assembled into customer specified dunnage sets. A sheet of material is placed on a cutting die which has been made to exacting specifications. The two of them are fed through a roll press and the exerted pressure forces the die through the material, cutting it into the required shapes. Different materials that SSI uses include thin gage HDPE sheet, plastic corrugated, foam and laminated sheet stock.



ISO 9001 Certified
Issue Date: 3 Sept 1998



KMB Containers are Temperature-Resistant from -20° to +90°C



BulkStac™ rated for 2,000 lbs. load. Customer requirements may dictate use of outside testing laboratory.



A loaded waste bin is drop tested in safety cage.

Testing Capabilities

To guarantee the highest possible standards for quality, function and durability, all products manufactured by Schaefer undergo meticulous testing prior to shipment.

Some of the following tests are carried out by our experienced team of engineers:

Dynamic Compression Test

Computer controlled test stand to simulate and record product performance under a wide range of loading configurations and conditions

Impact Test

Validation of failure levels and energy absorption from multiple impact situations

Static Compression Test

Vertical static loads monitored for long-term performance levels and failure modes

Vibration Testing

Simulation of road and rail transport using a variety of vibration profiles to evaluate product performance

Thermal Testing Chamber

Accelerated life testing of product to thermal extremes (short and long term) seen in applications

Deflection

Evaluates the load conditions on individual containers for use in automated storage and retrieval systems

Drop Test

Controlled drop tests validate design, manufacturing and material. Can be conducted at room temperature or with chilled products.

Design Capabilities

Maintaining the correct combination of experienced personnel and technology gives Schaefer Systems the edge when it comes to meeting customers' material handling needs. Our engineers and designers have decades of experience designing products for the material handling industry, from custom tote designs to dunnage systems for our standard totes. Because of the broad background in a variety of processing technologies, the SSI design group can match the correct manufacturing process to the end product., ensuring the greatest product reliability at the best price. Advanced CAD software platforms enable our designers to quickly generate and optimize solutions to present to our customers.

The benefits to our customers of this blend of experience and technology are numerous:

- Rapid development of multiple concepts for evaluation
- 3-D conceptual prototypes to assist decision making
- Complete designs that meet all aspects of a customer's needs
- Open communication that facilitates the design process
- Cost-benefit analysis



Thermoformed Half Pallet & Top Cap



Custom Designed Dunnage for Bulk Box Application; Plastic Corrugated & HDPE Divider Set with Clear Vinyl Drape

Custom Solutions

To accommodate specific applications or needs Schaefer offers a variety of custom modifications to existing containers, such as cutting out the sides, adding piano hinged lids, or attaching fabricated welded steel dollies to bulk boxes to make "train" cars out of them.

Bringing a material handling design challenge to Schaefer ensures you of an optimally designed packaging solution.

Cut & Weld Containers

Increase or decrease length, width or height of any existing Schaefer container to fit your specific need. Tests have shown that cutting and welding will not affect the strength or integrity of the container. Cut and weld offers custom sizes, shorter lead times and eliminates the tooling costs of a custom design, or plastic corrugated solution. Call your packaging specialist for additional information.



Standard Cut & Weld Container Sizes

NF3615-4
NF3615-7
NF3615-11

NF3615-14
NF4815-4
NF4815-14

NF4822-11
NF4822-14





Custom Plastic & Steel Shipping Container

Custom Interior Dunnage

Designed & Produced In-House

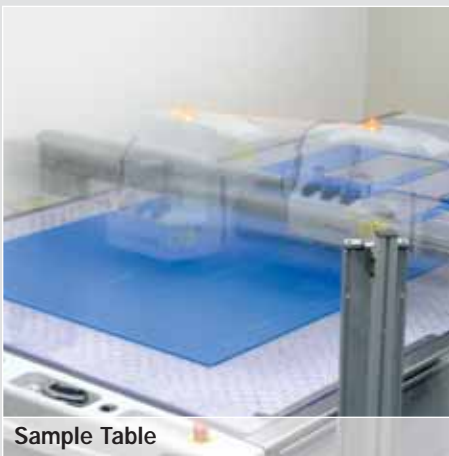
Schaefer offers superior part protection through custom designed interior packaging. Our engineers design efficient, cost-effective protective packaging to cradle parts through all stages of assembly, work in process and transportation. Utilizing materials such as plastic corrugated, polyethylene and cross-linked foams, high-density polyethylene and assorted laminations, Schaefer can meet the needs of our customers' specific handling requirements by creating a custom dunnage design. Whether you require shock or vibration protection, part separation or specific orientation for class "A" parts or electrostatic discharge protection, Schaefer will meet your needs. No extra or hidden freight costs. We offer turn-key help and support.

Custom designed to fit your application

Interior packaging protects fragile or awkwardly shaped parts against damage during shipment and maximizes the use of space. Available in a wide range of designs and materials based on the application. The use of dunnage saves on packaging cost. Special materials are available for Class A surfaces.

Layer Pads

Pads separate and protect layers of product in a container. Available in polypropylene plastic corrugated or high-density polyethylene sheets. Pads are designed with finger holes for easy removal of product. To order, call **888.ssi.tote**.



Sample Table



- 1 Die Cut Foam
- 2 Head Liner Material Dunnage Partition Set
- 3 XLPE Laminated Cell Partition
- 4 Anti-Stat Die Cut Foam



- 1 Plastic Corrugated Cell Partition Set
- 2 XLPE Foam Dunnage
- 3 PE Foam
- 4 XLPE Die Cut Foam with a Plastic Corrugated Base Pad



- 1 PE Die Cut Dunnage Set
- 2 Static Intercept Dunnage Set
- 3 XLPE Die Cut Foam Dunnage Set
- 4 Plastic Corrugated Slot Partition Set

Standard Layer Pads* (measurements in inches, unless specified)

Order #	Dimensions			Container
	L	W	H	
K1215.03.PP.BL3	12.7	9.1	0.12	AF/NF 12 x 15
K1215.04.PP.BL3	12.7	9.1	0.16	AF/NF 12 x 15
K1215.05.PP.BL3	12.7	9.1	0.20	AF/NF 12 x 15
K2415.03.PP.BL3	21.1	12.7	0.12	AF/NF 24 x 15
K2415.04.PP.BL3	21.1	12.7	0.16	AF/NF 24 x 15
K2415.05.PP.BL3	21.1	12.7	0.20	AF/NF 24 x 15
K2422.03.PP.BL3	21.1	20.2	0.12	AF 24 x 22
K2422.04.PP.BL3	21.1	20.2	0.16	AF 24 x 22
K2422.05.PP.BL3	21.1	20.2	0.20	AF 24 x 22
K4815.03.PP.BL3	46.1	12.9	0.12	NF 48 x 15
K4815.04.PP.BL3	46.1	12.9	0.16	NF 48 x 15
K4815.05.PP.BL3	46.1	12.9	0.20	NF 48 x 15
C1215.03.PP.BL3	9.7	13.6	0.12	CF 12 x 15
C1215.04.PP.BL3	9.7	13.6	0.16	CF 12 x 15
C1215.05.PP.BL3	9.7	13.6	0.20	CF 12 x 15
C2415.03.PP.BL3	21.8	13.6	0.12	CF 24 x 15
C2415.04.PP.BL3	21.8	13.6	0.16	CF 24 x 15
C2415.05.PP.BL3	21.8	13.6	0.20	CF 24 x 15
C2422.03.PP.BL3	21.8	21.1	0.12	CF 24 x 22
C2422.04.PP.BL3	21.8	21.1	0.16	CF 24 x 22
C2422.05.PP.BL3	21.8	21.1	0.20	CF 24 x 22
K3230.03.PP.BL3	29.1	27.3	0.12	SB 32 x 30
K3230.04.PP.BL3	29.1	27.3	0.16	SB 32 x 30
K3230.05.PP.BL3	29.1	27.3	0.20	SB 32 x 30
K4845.03.PP.BL3	44.1	41.1	0.12	SB 48 x 45
K4845.04.PP.BL3	44.1	41.1	0.16	SB 48 x 45
K4845.05.PP.BL3	44.1	41.1	0.20	SB 48 x 45

* PP Plastic Corrugated; Blue
No tooling cost



In-house Custom 3D Designs



3D Designs are Cut on Cutting Table



Sonic Welding



Dunnage Assembly



Dunnage Riveting



Custom Steel Racks

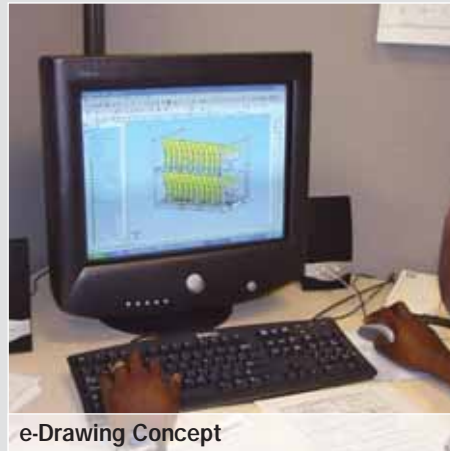
SSI Schaefer offers extensive design capabilities utilizing SolidWorks. COSMOS is utilized to verify engineering analysis, beginning with structural integrity through material thickness.

Whether it is mathematical data or sample parts, SSI Schaefer can provide you with a concept (e-Drawing Format), a prototype and finally production racks.

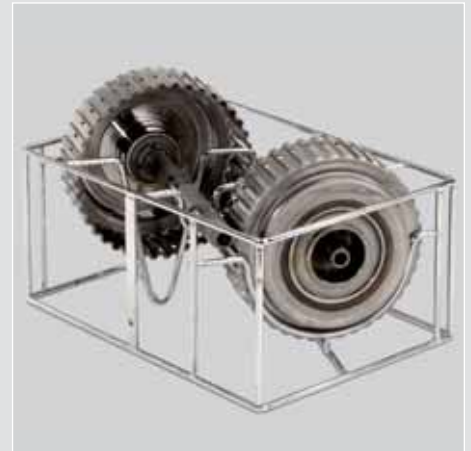
Before production of a prototype begins, the concept is revised until it completely meets our customer's requirements. You save time and money by avoiding multiple prototype revisions.



Production Drawing Using SolidWorks



e-Drawing Concept





Glass Rack

- 64" x 48" x 50" steel frame, multiple layers
- Individual shelves raise and lower utilizing torsion springs (Automotive Back Glass)



Door Panel Rack

- 84" x 39" x 52" 7 gage (3/16") steel frame
- Collapsible to 17" height for return shipment
- HDPE interior dunnage
- Removable locking bars (heavy truck door panels)



W.I.P. Rack

- 48" x 48" x 52" 14 gage steel frame, 4 inside layers
- Shelves raise and lower utilizing gas springs (Automotive Trim Parts)

- SSI Schaefer closely monitors all projects from the initial concept through production build.
- We perform "First Article Inspections" on all production builds and additional quality inspections throughout the manufacturing process.
- Freight costs are taken into consideration during the design concept, including the locations of production build.
- All rack assembly is completed using jig fixtures.
- Turn-key help and support

The customer's requirements are our main focus when designing a steel rack. Ease of loading, unloading, forklift entry, reusable interior dunnage, space utilization and overall size are addressed to ensure satisfaction and quality are never sacrificed.

NF NewStac™ Containers

NewStac™ containers from Schaefer Systems International maximize functionality and minimize handling with features tailor-made for the automotive industry.

The NewStac™ family's lightweight design allows you to pack more product in the tote while complying with the new 33 lb. handheld tote standard. Its newly designed sidewall and rimless option provide uninterrupted surfaces for placards – no more wrapping around ribs, losing usable surface area.

The 4-inch tall totes boast a patented label pocket which allows 4.0 x 6.5" KanBan cards to fit entirely within the sidewall, protected from folding damage or accidental removal. NewStac™ containers come in 13 sizes, with a variety of options, making it easy for you to find the ones that best meet your needs.

And since the NewStac™ tote family is molded out of Polypropylene, impact resistance is improved so damage and warranty claims are reduced.



NewStac™ Containers are Molded Out of Polypropylene for Improved Impact Resistance



NF NewStac™ Available with Smooth, Crosspad™ or Crosstac™ Bottoms



Rimless Version (NF 1215-04 RS and NF 2415-04 RS only)



NewStac Uninterrupted Sidewall



NF NewStac™ Flexible Labeling Options: Card Holders, Placards, Hot Stamping



NewStac™ with Patented Label Pocket (NF 1215-04 XS & NF 2415-04 XP Only)

NF NewStac™ Advantages

- Lightest weight totes per size in industry
- Available in 13 sizes
- 3 bottom designs to choose from: Smooth, Crosstac™ or Crosspad™
- Patented label pocket to protect KanBan cards
- Finger cutout provides easy access for KanBan card removal
- Improved impact strength
- 100% compatible with existing box lines
- Rimless versions and smooth sidewall contours for optimal placard application
- Drain holes available (optional)

Standard NewStac™ Containers (measurements in inches, unless specified)
Smooth Bottoms, Uninterrupted Sidewalls, Partial-rimless 4" Tall Sizes

Order #	Boxes per Layer	Outside Dimensions			Inside Dimensions			Weight lbs.	Capacity Cubic Ft	Truckload Quantity*** 53ft Trailer
		L	W	H	L	W	H			
NF 1215-04 RS*	12	11.9	14.9	4.0	9.5	13.1	3.4	1.4	0.24	7488~
NF 1215-05 AS	12	11.9	14.9	5.0	9.5	13.1	4.4	1.7	0.32	5616~
NF 1215-07 AS	12	11.9	14.9	7.5	9.5	13.1	6.9	2.2	0.50	3744~
NF 1215-08 AS	12	11.9	14.9	8.7	9.5	13.1	8.1	2.4	0.58	3120~
NF 1215-11 AS	12	11.9	14.9	10.9	9.5	13.1	10.3	2.8	0.74	2496~
NF 2415-04 RS*	6	23.9	14.9	4.0	21.5	13.1	3.4	2.5	0.55	3744
NF 2415-05 AS	6	23.9	14.9	5.0	21.5	13.1	4.4	2.8	0.72	2808
NF 2415-07 AS	6	23.9	14.9	7.5	21.5	13.1	6.9	3.4	1.12	1872
NF 2415-08 AS	6	23.9	14.9	8.7	21.5	13.1	8.1	4.1	1.32	1560
NF 2415-11 AS	6	23.9	14.9	10.9	21.5	13.1	10.3	4.8	1.68	1248
NF 2415-14 AS	6	23.9	14.9	14.5	21.5	13.1	13.9	5.7	2.26	936
AF 2422-07 AA+	4	23.9	22.4	7.3	21.3	20.4	6.7	5.8	1.68	1248
AF 2422-08 AA+	4	23.9	22.4	8.7	21.3	20.4	8.1	6.5	2.04	1040
AF 2422-11 XA+	4	23.9	22.4	10.9	21.3	20.4	10.3	7.7	2.60	832
AF 2422-14 XA+	4	23.9	22.4	14.5	21.3	20.4	13.8	9.7	3.50	624
NF 4815-07 AS**	3	47.9	14.9	7.5	46.3	13.3	6.9	6.7	2.46	936
NF 4815-11 AS**	3	47.9	14.9	10.9	46.3	13.3	10.3	8.8	3.67	624

- ~ Due to weight and safety factors, stacking these boxes to full 50" palletized height is not recommended.
- * This box is rimless meaning it has a truncated rim in the placard area. See photo on previous page.
- ** This version (AS), has slight inset on inside bottom that will affect Dunnage design.
- *** Truckload quantities based on double-stacked palletized loads 50" or shorter. Palletized load includes plastic pallet and topcap.
- + NF version of 2422 footprints expected soon. The listed AF sizes are completely compatible with the NF line.

Crosspad NewStac™ Containers (measurements in inches, unless specified)
Patented Crosspad™ Bottoms (except on 1215 footprints), Uninterrupted Sidewalls, Patented Label Pocket on 4" Tall Sizes

Order #	Boxes per Layer	Outside Dimensions			Inside Dimensions			Bottom	Weight lbs.	Capacity Cubic Ft	Truckload Quantity** 53ft Trailer
		L	W	H	L	W	H				
NF 1215-04 XS*	12	11.9	14.9	4.0	9.5	13.1	3.4	Smooth	1.6	0.21	7488~
NF 1215-07 AS	12	11.9	14.9	7.5	9.5	13.1	6.9	Smooth	2.2	0.50	3744~
NF 1215-08 AS	12	11.9	14.9	8.7	9.5	13.1	8.1	Smooth	2.4	0.58	3120~
NF 1215-11 AS	12	11.9	14.9	10.9	9.5	13.1	10.3	Smooth	2.8	0.74	2496~
NF 2415-04 XP*	6	23.9	14.9	4.0	21.5	13.1	2.9	Crosspad	3.1	0.47	3744~
NF 2415-07 AP	6	23.9	14.9	7.5	21.5	13.1	6.4	Crosspad	3.4	1.04	1872~
NF 2415-08 AS	6	23.9	14.9	8.7	21.5	13.1	7.6	Crosspad	4.2	1.22	1560~
NF 2415-11 AP	6	23.9	14.9	10.9	21.5	13.1	9.8	Crosspad	4.9	1.58	1248
NF 2415-14 AP	6	23.9	14.9	14.5	21.5	13.1	13.3	Crosspad	5.8	2.17	936
AF 2422-07 AC+	4	23.9	22.4	7.3	21.4	20.5	6.2	Crosstac	6.9	1.62	1248
AF 2422-11 XC+	4	23.9	22.4	10.9	21.4	20.5	9.8	Crosstac	8.5	2.51	832
AF 2422-14 XC+	4	23.9	22.4	14.5	21.4	20.5	13.4	Crosstac	10.6	3.40	624
NF 4815-07 AP	3	47.9	14.9	7.5	46.3	13.3	6.4	Crosspad	6.8	2.25	936
NF 4815-11 AP	3	47.9	14.9	10.9	46.3	13.3	9.8	Crosspad	8.9	3.46	624

- ~ Due to weight and safety factors, stacking these boxes to full 50" palletized height is not recommended.
- * This box comes with the molded-in label pocket. See photo on previous page.
- ** Truckload quantities based on double-stacked palletized loads 50" or shorter. Palletized load includes plastic pallet and topcap.
- + NF version of 2422 footprints expected soon. The listed AF sizes are completely compatible with the NF line.

See Krypto-Lite™ under Pallets & Top Caps for compatible pallets and top caps.

AF Transtac™ Containers

A family of returnable, stackable containers to efficiently transport goods. Sized to fit a standard 48" x 45" pallet, they make optimal use of 102" O.D. wide trailers. Transtac™ is one of the best means of transportation between an assembler and its suppliers.

AF Containers also come in a variety of versions: ventilated bottoms, ventilated sidewalls, reinforced bottoms and with detached lids.

The AF Transtac containers are the original industry standard and are perfect for heavy duty, demanding applications.



1 AF 121504.AC

2 AF 241511.AA

3 AF 121507.AA

AF Transtac™ Containers (measurements in inches, unless specified)

Order #	Boxes Per Layer	Outside Dimensions			Inside Dimensions			Options	Capacity	Tare Weight	Recommended Load	Maximum Stack Load	Truckload Quantity**
		48 x 45	L	W	H	L*	W*						
AF 1207-05 XA	24	12.0	7.4	5.0	9.3	5.3	4.3	R Only	0.12	1.3	55	1320	11232~
AF 1215-05 AA	12	12.0	15.0	5.0	9.3	12.9	4.3	Any	0.30	2.2	55	1320	5616~
AF 1215-07 AA	12	12.0	15.0	7.5	9.3	12.9	6.8	Any	0.48	3.2	55	1320	3744
AF 1215-09 AA	12	12.0	15.0	9.5	9.3	12.9	8.8	Any	0.62	3.4	55	1320	3120
AF 2415-05 AA	6	24.0	15.0	5.0	21.3	12.9	4.3	Any	0.69	3.8	55	1320	2808~
AF 2415-07 XA	6	24.0	15.0	7.5	21.3	12.9	6.8	Any	1.08	4.6	55	1320	1872
AF 2415-09 XA	6	24.0	15.0	9.5	21.3	12.9	8.8	Any	1.41	5.4	55	1320	1560
AF 2415-11 AA	6	23.9	14.9	10.9	21.3	12.9	10.2	Standard	1.62	5.9	55	1320	1248
AF 2415-14 XA	6	23.9	14.9	14.5	21.3	12.9	13.8	Any	2.20	7.4	55	1320	936
AF 2422-07 AA	4	23.9	22.4	7.3	21.3	20.4	6.7	Standard	1.68	5.8	55	1320	1248
AF 2422-08 AA	4	23.9	22.4	8.7	21.3	20.4	8.1	Standard	2.04	6.5	55	1320	1040
AF 2422-09 AA	4	23.9	22.4	9.5	21.3	20.4	8.9	Standard	2.24	6.8	55	1320	1040
AF 2422-11 XA	4	23.9	22.4	10.9	21.3	20.4	10.2	Any	2.60	7.7	55	1320	832
AF 2422-14 XA	4	23.9	22.4	14.5	21.3	20.4	13.8	Any	3.50	9.7	55	1320	624
NF 4815-07 AS+	3	47.9	14.9	7.5	46.3	13.3	6.9	None	2.46	6.7	33	1320	936
NF 4815-11 AS+	3	47.9	14.9	10.9	46.3	13.3	10.3	None	3.67	8.8	33	1320	624
AF 4822-07 AR	2	47.9	22.4	7.3	45.3	20.3	6.3	RB Only	3.38	12.5	44	1320	624

* Measurement taken at inside bottom

~ Due to weight and safety factors, stacking these boxes to full 50" palletized height is not recommended.

+ This version (AS), has slight inset on inside bottom that will affect Dunnage design.

** Truckload quantities based on double-stacked palletized loads 50" or shorter. Palletized load includes plastic pallet and topcap.

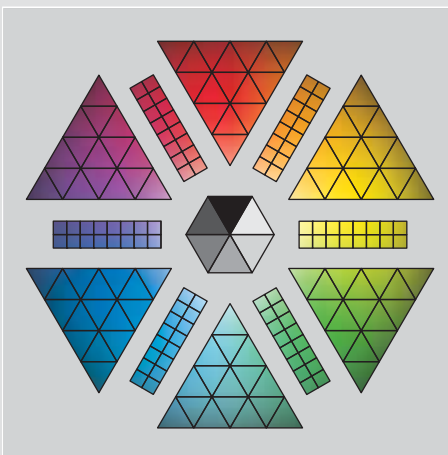


AF Trim Boxes

Designed to ship and to prevent shipping damage to large, awkwardly shaped automotive parts.

- Large capacity: 48" x 22.5" x 7.3"
- Compatible with AF pallets and top caps
- Returnable, reusable, recyclable
- Standard color charcoal; other colors available, minimum quantities apply

AF Trim Box



Minimum order quantity for color match.
Call your Packaging Specialist.



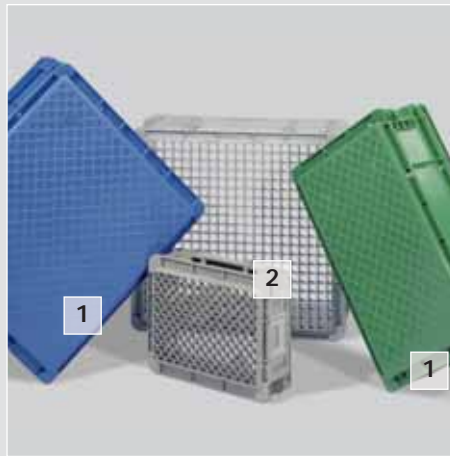
Punched and Molded in Hand Hold

AF Transtac Advantages

- Over 50 models, six footprints
- Heights from 4" to 14"
- Standard Transtac™ containers come with solid walls and solid textured bottoms
- Ergonomic handles on two sides
- Fingertip handles on adjacent sides
- Large, flat identification areas
- Optional molded-in cardholder where clearance permits
- Based on AIAG standard sizes
- Meet NAFTA specifications
- Compatible with 48" x 45" pallet system
- Automatic positioning, lifting and identification features
- Made of HDPE for excellent strength and durability
- Standard colors: charcoal, blue, green and light gray



1 Reinforced Bottom



1 Textured Bottom
2 Mesh Bottom

AF Container Options

Order #	Add to Order # to Specify the Following
XA	Solid Wall, Molded-in Card Holder, Textured Bottom
AV	Solid Wall, Mesh (Ventilated) Bottom
AS	Solid Wall, Smooth Bottom (Not Shown)
AC	Solid Wall, Crosstac Bottom*
AA	Solid Wall, No Molded-in Card Holder, Textured Bottom
RA	Rimless, Solid Wall Only (1207.05 Only)
XR	Reinforced Bottom (2415.14, 2422.22, 2422.14 & 482207 Only)
XC	Solid Wall, Molded-in Card Holder, Crosstac Bottom*
VV	Mesh Wall, Mesh Bottom, No Molded-in Card Holder

* Crosstac can have molded-in drain hole as an option

Accessories

- Dust covers
- Label holders
- Card holder clips
- Durable, attachable card holders



Automated Handling



Integral Card Holder



Lid

AF Recessed Lids

(measurements in inches)

Order #	Fits Containers	
	L	W
AF RC 1215*	12	15
AF RC 2415	24	15

* Except the 1215-4



Hot Stamping



Hot Stamping

Labeling

- Durable, attachable card holders
- Will accommodate AIAG labels
- Accommodates Kanban order cards up to 8.125" wide
- Hot stamping
- Bar code labeling



Sequentially Numbered Labels



AF Placards, Ergonomic Handles



AF Card Holders

AF Placards (measurements in inches)

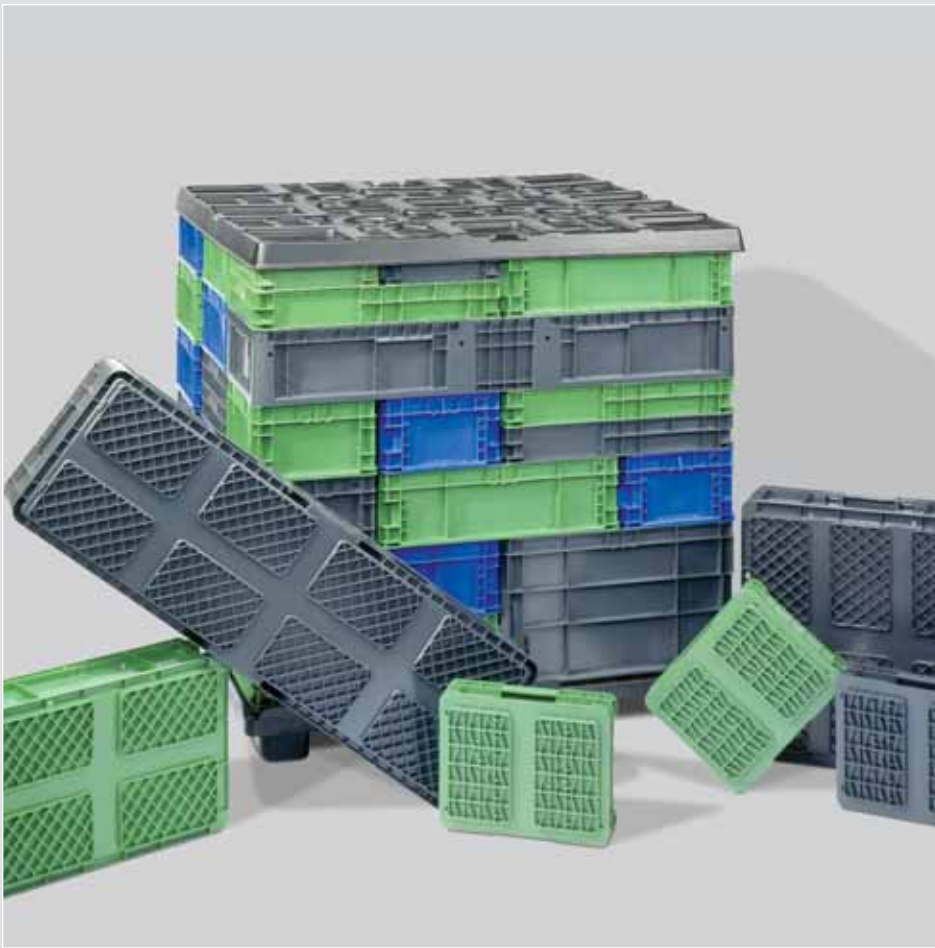
Order #	Fits Containers
AIAG 4565	L *5, 7, 9, 11, 14

* Does not lie flat because of jog in sidewall

AF Card Holders (measurements in inches)

Order #	Fits Containers
AF CLIPS*	H 4
AF CH 05	5
AF CH 07	7, 11, 14
AF CH 08	8
AF CH 09	9

* Used on 1215-7, 4815-7, 4815-11



AF Crosstac™ Returnable Containers

Crosstac containers are AF Transtac containers with a bottom design which permits cross stacking, regardless of container size. This results in less handling time and labor at line side, and significant cost savings.

The bottom of the Crosstac™ container is designed so that large containers can be stacked on top of small ones or vice versa. Heights are calculated to add up to a level pallet load, regardless of how the containers are stacked. For the shipper this means less time is needed to cube a pallet efficiently. And, when the containers arrive at the cross dock, they are stacked on the pallet based on the order in which they will be used at the assembly line.

AF Crosstac™ Containers (measurements in inches, unless specified)												
Order #	Boxes Per Layer	Outside Dimensions			Inside Dimensions			Capacity	Tare Weight	Recommended Load	Maximum Stack Load	Truckload Quantity
		48 x 45	L	W	H	L*	W*					
AF 121504.AC	12	11.9	14.9	4.0	9.4	13.0	2.9	0.21	2.2	55	1320	7200
AF 121507.AC	12	12.0	15.0	7.5	9.4	13.0	6.4	0.48	3.2	55	1320	3744
AF 241504.AC	6	23.9	14.9	4.0	21.4	13.0	2.9	0.47	3.8	55	1320	3600
AF 241507.XC	6	24.0	15.0	7.5	21.4	13.0	6.4	1.03	4.9	55	1320	1872
AF 241511.AC	6	23.9	14.9	10.9	21.4	13.0	9.8	1.58	6.3	55	1320	1296
AF 241514.XC	6	23.9	14.9	14.5	21.4	13.0	13.4	2.16	7.7	55	1320	864
AF 242207.AC	4	23.9	22.4	7.3	21.4	20.5	6.4	1.66	6.9	55	1320	1248
AF 242211.XC	4	23.9	22.4	10.9	21.4	20.5	9.9	2.60	8.5	55	1320	864
AF 242214.XC	4	23.9	22.4	14.5	21.4	20.5	13.4	3.50	10.6	55	1320	576
AF 481507.AC	3	47.9	14.9	7.5	46.3	13.3	6.4	2.30	8.9	44	1320	936
AF 481511.AC	3	47.9	14.9	10.9	46.3	13.3	9.8	3.40	11.2	44	1320	648

* Bottom

Standard Features of the AF Crosstac™ Container

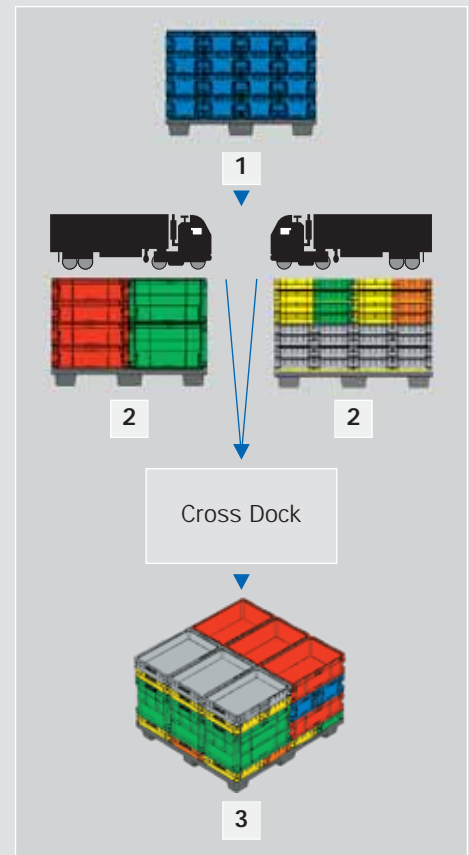
- Returnable, stackable onto footprints of 12" x 7" thru 24" x 22"
- Based on AIAG standard sizes
- Meet NAFTA specifications
- Compatible with existing 48" x 45" pallet container systems for optimum use of trailer cube space
- Ergonomic handles on two sides
- Made of HDPE for excellent strength and durability
- 4815 and 3615 Crosstac containers available using cut and weld
- Available in 11 standard sizes
- ISO 9001 Certified
- Roller conveyor compatible

Bottom

The bottom of the Crosstac™ container is designed so that large containers can be stacked on top of small ones or vice versa.

- Smaller containers are especially designed for optimum operation on roller conveyors
- Standard design for quiet, easy operation on all types of conveying systems
- Standard color charcoal gray, blue and green
- Molded in drain holes option

Ask About Our: Pooling, Leasing & Financing Options



Crosstac™ Containers are Now Standard at Ford, Toyota, CAPS, Subaru, Delphi and More

- 1 Parts shipments from vendors
- 2 Parts are unitized on pallet for easy line side access
- 3 Parts arrive ready to use

AF Crosstac™ Cardholders

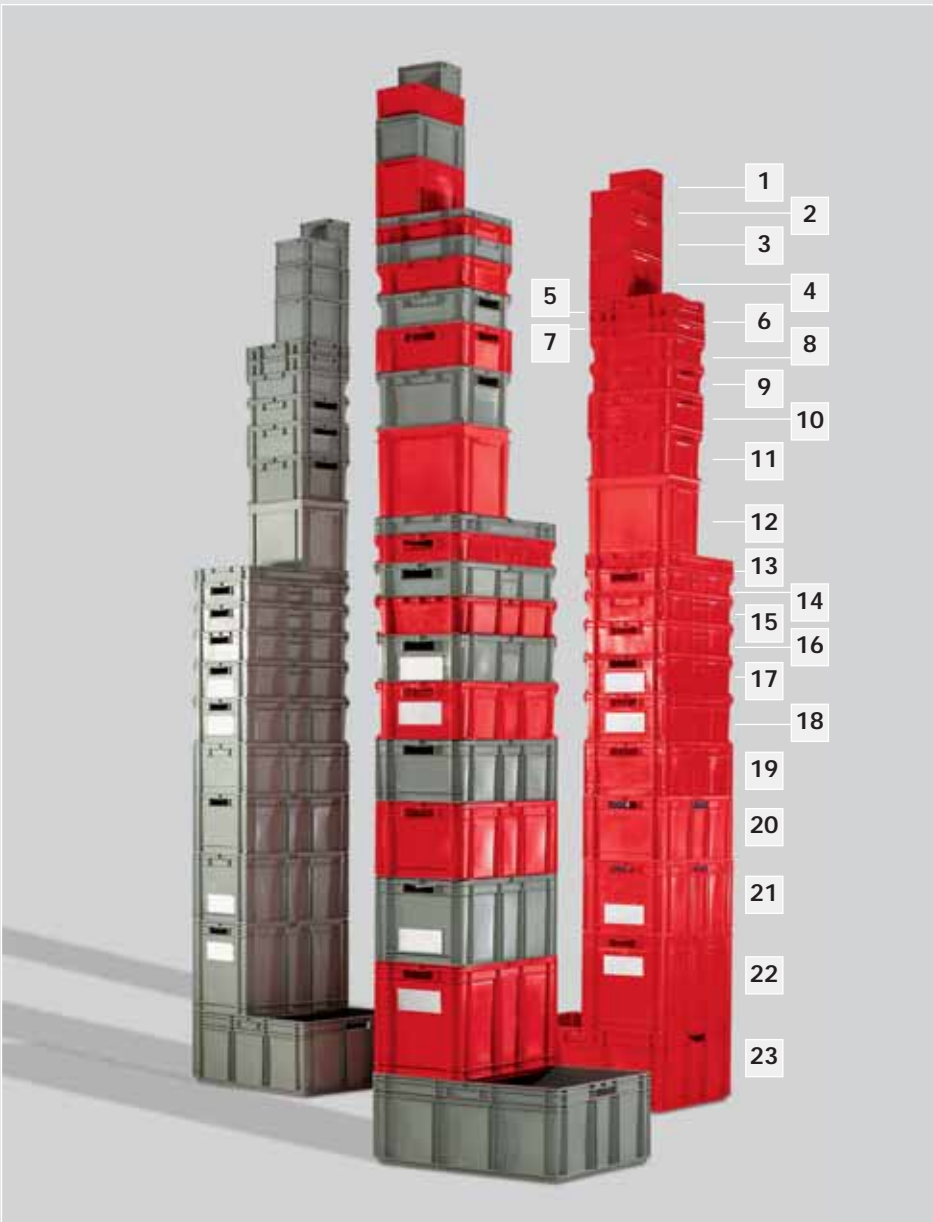
Order #	Cardholder Location				
	12" Side	15" Side	22" Side	24" Side	48" Side
AF 121504.AC	AF CLIPS	—	—	—	—
AF 121507.AC	AF CLIPS	AF CH 07	—	—	—
AF 241504.AC	—	—	—	AF CLIPS	—
AF 241507.XC	—	AF CH 07	—	AF CH 07	—
AF 241511.AC	—	AF CH 07	—	AF CH 07	—
AF 241514.XC	—	AF CH 07	—	AF CH 07	—
AF 242207.AC	—	—	AF CH 07	AF CH 07	—
AF 242211.XC	—	—	AF CH 07	AF CH 07	—
AF 242214.XC	—	—	AF CH 07	AF CH 07	—
AF 481507.AC	—	AF CLIPS	—	—	AF CLIPS
AF 481511.AC	—	AF CLIPS	—	—	AF CLIPS

Euro-Fix Containers With Solid Base & Sides

Schaefer's complete line of stack-only containers for storage, distribution and work-in-process applications. Modular to 32" x 48" Euro-pallet and to 48" x 40" pallets.

Euro-Fix Advantages

- Available in 72 sizes, five footprints
- Heights from 3" to 16.5"
- Standard colors: red or grey; additional colors are available, minimum quantities apply
- Over 15 lids, clips and accessories
- A true family of products which can be interstacked on a pallet
- Designed for high cube utilization and strength
- Made of polypropylene which makes the Euro-Fix economical, durable and easy to clean
- Available in conductive version
- More material has been added for extra strength
- Spacing, number and thickness of ribs add even more strength and years of life to the container
- Some containers are available with reinforced bottoms (see items labeled VB in chart) to support even heavier loads, and for quiet operation in automated storage systems. Minimum order quantity: 500
- The EF 8320, a 4.59 cubic foot capacity container, features a ribbed traction bottom for maximum load bearing and smooth conveyor operation



1 EF 2120	7 EF 4080	13 EF 6070	19 EF 6240
2 EF 3120	8 EF 4120	14 EF 6120	20 EF 6280
3 EF 3170	9 EF 4140	15 EF 6140	21 EF 6320
4 EF 3220	10 EF 4170	16 EF 6150	22 EF 6420
5 EF 4040	11 EF 4220	17 EF 6180	23 EF 8320
6 EF 4070	12 EF 4320	18 EF 6220	

Mold Options Available on Some Containers

- Solid or mesh walls and bottom
- Reinforced bottoms, hopper fronts
- Open or finger tip handles, 500 minimum
- Two or four handles per container
- Minimum quantities apply to same containers

Euro-Fix Containers with Solid Base & Sides (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity	Tare Weight	Recommended Load	Maximum Stack Load
	L	W	H	L*	W*	H	Cubic Ft	lbs.	lbs.	lbs.
EF 2120	7.9	6.0	4.7	6.0	4.1	4.0	0.07	0.6	55	1320
EF 3120	11.9	7.9	4.7	9.9	6.0	4.0	0.15	1.1	55	1320
EF 3170	11.9	7.9	6.7	9.9	6.0	5.8	0.23	1.4	55	1320
EF 3220	11.9	7.9	8.7	9.9	6.0	7.8	0.32	1.8	55	1320
EF 4070	15.8	11.9	3.0	14.1	10.1	2.4	0.24	1.7	55	1320
EFR 4070**	—	Collar	—	—	—	—	—	—	—	—
EF 4120	15.8	11.9	4.8	13.9	10.0	4.1	0.38	1.8	55	1320
EF 4140	15.8	11.9	5.6	13.9	10.0	4.6	0.45	2.0	55	1320
EF 4170	15.8	11.9	6.7	13.9	10.0	5.7	0.55	2.4	55	1320
EF 4220	15.8	11.9	8.7	13.9	10.0	7.7	0.71	2.9	55	1320
EF 4320	15.8	11.9	12.6	14.1	10.2	12.0	1.04	3.7	55	1320
EF 4440	15.8	15.8	16.6	13.9	13.9	15.6	1.90	6.6	55	1320
EF 6070	23.7	15.8	3.0	21.9	14.0	2.3	0.50	2.6	55	1320
EFR 6070**	—	Collar	—	—	—	—	—	—	—	—
EF 6120	23.7	15.8	4.8	21.7	13.9	3.8	0.82	3.5	55	1320
EF 6140	23.7	15.8	5.6	21.7	13.9	4.6	0.97	3.7	55	1320
EF 6150	23.7	15.8	6.0	21.7	13.9	5.0	1.04	3.9	55	1320
EF 6180***	23.7	15.8	7.1	21.7	13.9	6.1	1.25	4.4	55	1320
EF 6220***	23.7	15.8	8.7	21.7	13.8	7.7	1.54	5.6	55	1320
EF 6240	23.7	15.8	9.5	21.7	13.9	8.5	1.68	5.7	55	1320
EF 6280	23.7	15.8	11.3	21.7	13.8	10.2	2.00	6.5	55	1320
EF 6320***	23.7	15.8	12.6	21.7	13.9	11.6	2.25	6.8	55	1320
EF 6420***	23.7	15.8	16.6	21.7	13.8	15.6	2.96	9.2	55	1320
EF 8320	31.5	23.7	12.6	29.7	21.8	11.3	4.59	12.4	55	1320

Note: All specifications are nominal

* Measurements taken from inside bottom

** Collar raises the container height by 2.5"

*** 7.5" x 5.5" index card holder is standard. VB: Reinforced Bottom

Reinforced Bottom Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity	Tare Weight	Recommended Load	Maximum Stack Load
	L	W	H	L*	W*	H	Cubic Ft	lbs.	lbs.	lbs.
EF 6150 VB	23.7	15.8	6.0	21.9	13.9	4.2	0.93	5.6	110	1320
EF 6180 VB	23.7	15.8	7.1	21.9	13.9	5.3	1.14	4.4	110	1320
EF 6220 VB	23.7	15.8	8.7	21.9	13.9	6.9	1.43	6.8	110	1320
EF 6280 VB	23.7	15.8	11.3	21.7	13.9	9.5	1.89	6.7	110	1320
EF 6320 VB	23.7	15.8	12.6	21.9	13.9	10.9	2.14	7.6	110	1320
EF 6420 VB	23.7	15.8	16.6	21.9	13.9	14.8	2.85	9.9	110	1320

Note: All specifications are nominal

* Measurements taken from inside bottom

Euro-Fix Containers With Mesh Base & Sides

Schaefer's complete line of distribution and storage containers. Made of polypropylene, the Euro-Fix Container is available with solid sides and bottom (previous page) and in mesh versions, shown here.

Designed for Versatility

Euro-Fix containers are sturdy yet lightweight, easy to clean and suitable for use with foods. They are resistant to most oils and acids and can withstand temperature extremes, making them ideal for a variety of different applications.

Sturdy stacking rims ensure the containers can be securely stacked with a stacking load of up to 272 lbs. Ribbing affords high integral rigidity. Smooth base and interior permit filling to maximum capacity.



- | | | | |
|-----------|-----------|------------|------------|
| 1 EF 4121 | 5 EF 4441 | 9 EF 6181 | 13 EF 6321 |
| 2 EF 4141 | 6 EF 6121 | 10 EF 6221 | 14 EF 6421 |
| 3 EF 4171 | 7 EF 6141 | 11 EF 6241 | 15 EF 8321 |
| 4 EF 4221 | 8 EF 6151 | 12 EF 6281 | |



Mesh Walls and Mesh Bottom



Mesh Walls and Solid Bottom

Euro-Fix Containers with Solid Base & Mesh Sides (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.
	L	W	H	L*	W*	H			
EF 4121	15.8	11.9	4.8	13.9	10.0	4.0	0.38	1.8	55
EF 4141	15.8	11.9	5.6	13.9	9.9	4.4	0.45	1.9	55
EF 4171	15.8	11.9	6.7	13.9	9.9	5.6	0.55	2.1	55
EF 4221	15.8	11.9	8.7	13.9	9.9	7.6	0.71	2.6	55
EF 4441	15.8	15.8	16.6	13.9	13.8	15.5	1.90	5.1	55
EF 6121	23.7	15.8	4.8	21.7	13.8	7.7	0.82	3.3	55
EF 6141	23.7	15.8	5.6	21.7	13.8	4.5	0.97	3.2	55
EF 6151	23.7	15.8	6.0	21.7	13.8	5.0	1.04	3.3	55
EF 6181	23.7	15.8	7.1	21.7	13.8	6.1	1.25	3.6	55
EF 6221	23.7	15.8	8.7	21.7	13.8	7.7	1.54	4.7	55
EF 6241	23.7	15.8	9.5	21.7	13.8	8.5	1.68	4.7	55
EF 6281	23.7	15.8	11.3	21.7	13.8	10.2	2.00	5.4	55
EF 6321	23.7	15.8	12.6	21.7	13.8	11.6	2.25	5.3	55
EF 6421	23.7	15.8	16.6	21.7	13.8	15.5	2.96	7.7	55
EF 8321	31.5	23.7	12.6	29.7	21.8	11.2	4.59	11.2	55

Note: All specifications are nominal

* Measurements taken from inside bottom

Euro-Fix Containers with Mesh Base & Mesh Sides (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.
	L	W	H	L*	W*	H			
EF 4123	15.8	11.9	4.8	13.9	10.0	4.0	0.37	1.6	33
EF 4143	15.8	11.9	5.6	13.9	10.0	4.5	0.44	1.8	33
EF 4173	15.8	11.9	6.7	13.9	10.0	5.7	0.54	2.0	33
EF 4223	15.8	11.9	8.7	13.9	10.0	7.6	0.70	2.3	33
EF 4443	15.8	15.8	16.6	13.9	13.9	15.5	1.89	4.8	33
EF 6123	23.7	15.8	4.8	21.7	13.9	3.8	0.80	2.9	33
EF 6143	23.7	15.8	5.6	21.7	13.9	4.4	0.95	2.8	33
EF 6153	23.7	15.8	6.0	21.7	13.9	4.9	1.02	2.9	33
EF 6183	23.7	15.8	7.1	21.7	13.9	6.0	1.23	3.0	33
EF 6223	23.7	15.8	8.7	21.7	13.8	7.6	1.51	4.3	33
EF 6243	23.7	15.8	9.5	21.7	13.9	8.4	1.66	4.4	33
EF 6283	23.7	15.8	11.3	21.7	13.8	10.2	1.98	4.8	33
EF 6323	23.7	15.8	12.6	21.7	13.9	11.5	2.23	4.8	33
EF 6423	23.7	15.8	16.6	21.7	13.8	15.5	2.94	6.8	33

Note: All specifications are nominal

* Measurements taken from inside bottom

Accessories: Lids

Lids for 24" x 16" Container Footprints

- Clip-on lid with stack stops (FB D 604)
- Dust-cover with stacking rim
- Attachable lid, can be retrofitted
- Available in red and grey

Lid for 16" x 12" Container Footprints

- Dust cover with fingertip handles
- Attachable lid, can be retrofitted
- Available in red and grey

Lid for 12" x 8" Container Footprints

- Waterfall lid with handles and stacking rim (EF D 32)
- Available in black only

Lid for 32" x 24" Container

- Waterfall lid with stack stop (ADH 86)
- Available in black only

Lid for 8" x 6" Container

- Dust cover with stacking rim
- Attachable lid, can be retrofitted
- Available in red and grey

Lid Hinges and Reinforcing Rings

- For retrofitting lids, two reinforcing rings and two locking lid clips are provided
- Kit for retrofitting lid, add S to order number

Accessories: Boxes

Scalloped Handle Insert

- Made of grey polyethylene
- Fills handle opening to keep loose material from spilling

Index Cards

- For EF 6420, EF 6320, EF 6220 and EF 6180

Label Holder

- Fits all Euro-Fix containers

Collar

- EFR 4070
- EFR 6070
- Collar raises the container height by 2.5"



- | | | |
|------------|-----------|-----------|
| 1 FB D 604 | 4 EF D 21 | 7 EF D 44 |
| 2 ADH 86 | 5 EF D 32 | 8 EF D 64 |
| 3 FB D 64 | 6 EF D 43 | |



Scalloped Handle Insert

Dust Covers (measurements in inches)

Order #	Dimensions	
	L	W
EF D 21	7.8	5.9
EF D 32	11.8	7.8
EF D 43	15.7	11.8
EF D 43 PP3	15.7	11.8
EF D 44	15.7	15.7
EF D 64	23.6	15.7
EF D 64 PP3	23.6	15.7
EF D 3224	31.5	23.7

* Lid for EF 8320 and FK 8450, black only



Index Cards



Label Holder



Collar

Euro-Fix Accessories (measurements in inches)

Order #	Description	Dimensions	
		L	W
EFHC	Scalloped Handle Insert	—	—
146 LBL.0703	Index Cards	3.5	7.5
EFE	Label Holder	—	—

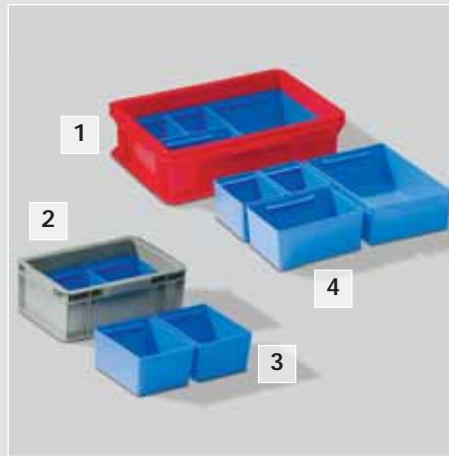
Sub-Containers

- Subdivide Euro-Fix containers to organize small parts
- Wide lip permits easy removal of sub-containers
- Various sizes can be combined
- Available in Blue

Euro-Fix Sub-Containers

(measurements in inches)

Order #	Outside Dimensions		
	L	W	H
EK 020703	2.2	7.1	3.1
EK 050303L	5.1	3.5	3.1
EK 050303	5.4	3.5	3.8
EK 050304	5.4	3.5	4.4
EK 060303	5.5	3.5	3.1
EK 060503L	6.1	5.0	3.1
EK 060503	6.9	5.4	3.8
EK 060505	6.9	5.4	4.4
EK 070503	7.1	5.1	3.1
EK 080503	7.9	5.5	3.1
EK 110603	10.8	6.9	3.8
EK 100703	10.0	7.1	3.1
EK110804	10.8	6.9	4.4
EK 220303	21.7	3.5	3.8
EK 220304	21.7	3.5	4.4
EK 220603	21.7	6.9	3.8
EK 220604	21.7	6.9	4.4
EK 220703	21.9	3.5	3.1
EK 220303L	21.9	7.1	3.1



1 EK 050303 3 EK 060503L
2 EK 100703 4 EK 070503



1 EK 080503 3 EK 220303L
2 EK 060303 4 EK 220703



Lid Hinges & Reinforcing Ring



4-Way Connector Clip

Connector Clip

Order #	Description
EFK	4-Way Connector Clip



Pallets & Top Caps to Fit Euro-Fix Containers

Euro-Fix Top Cap (measurements in inches)

Order #	Dimensions			Tare Weight lbs.
	L	W	H	
EFT 4840	48.00	40.90	1.53	20

Euro-Fix Pallet (measurements in inches)

Order #	Dimensions			Net Ratio	Tare Weight lbs.	Dynamic Load lbs.	Static Load lbs.
	L	W	H				
EFP 4840	48.00	40.00	6.13	2.3	35	4000	30000

LTB Containers

In addition to being extremely strong and durable, a number of proven design features have been incorporated in the LTB container. Newly designed hand holds for ergonomic manual handling. A specially designed bottom which imparts high rigidity for use in automated storage systems. Sizes stack and interstack. Locking lid securely stores and keeps contents dust free. Containers are prepared for shipping.



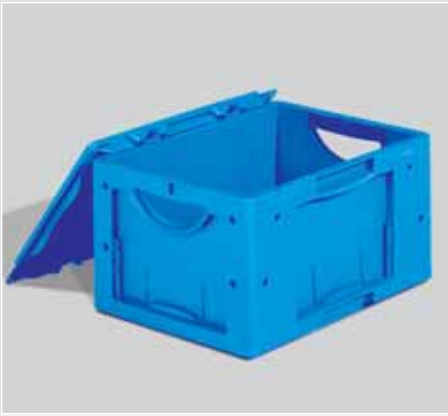
LTB Containers (measurements in inches, unless specified)								
Order #	Outside Dimensions			Inside Dimensions			Capacity	Tare Weight
	L	W	H	L	W	H	Cubic Ft	lbs.
LTB4120	15.6	11.7	4.8	14.4	10.5	3.5	0.35	2.3
LTB4220	15.6	11.7	8.7	14.4	10.5	7.4	0.70	3.0
LTB6120	23.6	15.7	4.8	22.3	14.4	3.3	0.72	4.6
LTB6170	23.6	15.7	6.7	22.3	14.4	5.2	1.10	5.0
LTB6220	23.6	15.7	8.7	22.3	14.4	7.2	1.45	5.5
LTB6270	23.6	15.7	10.6	22.3	14.4	9.2	1.81	6.0
LTB6320	23.6	15.7	12.6	22.3	14.4	11.1	2.18	6.7
LTB6420	23.6	15.7	16.6	22.3	14.4	15.1	2.90	8.4
LTB8320*	31.5	23.6	12.6	29.6	21.7	11.6	4.77	11.6
LTB8420*	31.5	23.6	16.6	29.6	21.7	15.6	6.18	13.7

Note: Reinforced bottom is standard, 110 lbs. weight capacity

* Comes only with flat bottom, 40 lbs max weight capacity

LTB Advantages

- Made of polypropylene
- Available in blue and grey
- Rigid and robust
- Double-wall corner reinforcement
- Smooth inside walls
- Compatible with all Euro-dimension containers
- Reinforced bottom
- Weight capacity 110 lbs.
- Drainage holes optional
- Optional attached, 2-part hinged lid
- Hot stamping available



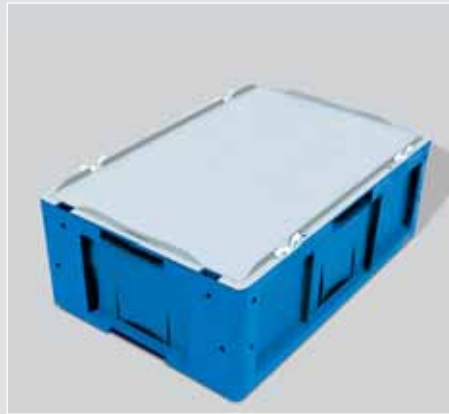
Hinged Lid



Reinforced Bottom



2-Part Hinged Lid



Detached Lid with Clips



14/6 Stackable Containers

One of Schaefer's first stackable plastic container families. The 14/6 family is a good general purpose product line which can be used in both industrial and food processing applications. Insert boxes allow internal organization of containers and are perfect for kitting parts.

14/6 Advantages

- Eleven sizes, six footprints
- Heights from 2.9" to 11.9"
- Available in yellow, red, blue and green
- Made of HDPE and conductive PP
- Containers interstack
- 14/6 containers can be stacked with LF containers
- Easy to clean
- Strong

1 1464.080605	4 1462.191303	7 1462.191308	10 1462.191309
2 1463.130906	5 1462.191304	8 1462.191312	
3 1463.130908	6 1462.191305	9 1461.261912	

14/6 Stackable Transport Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L*	W*	H				
146 R.191304	18.9	13.4	4.6	17.9	12.2	4.0	0.57	2.3	22	220
1461.261912	25.6	18.6	11.8	24.8	18.5	11.1	2.51	9.6	55	440
1462.191303	18.4	12.5	2.9	17.7	11.8	2.2	0.28	1.8	22	440
1462.191304	18.4	12.5	4.2	17.7	11.8	3.5	0.36	2.4	22	440
1462.191305	18.4	12.5	4.6	17.7	11.8	4.0	0.42	2.3	22	440
1462.191308	18.4	12.5	7.9	17.7	11.8	7.2	0.74	3.2	33	440
1462.191309	18.4	12.5	9.1	17.8	11.8	8.6	0.92	3.7	33	330
1462.191312	18.4	12.5	11.8	17.7	11.8	11.1	1.17	4.5	33	440
1463.130906	12.3	8.3	5.8	11.8	7.8	5.1	0.25	1.4	22	220
1463.130908	12.3	8.3	7.8	11.8	7.8	7.1	0.33	1.4	22	220
1464.080605	8.3	6.0	4.8	7.8	5.5	4.2	0.09	0.6	17	220

* Bottom

Note: All specifications are nominal

14/6 Stackable Containers

14/6 Accessories

Labels and Holders

- Self-adhesive transparent label holders 3.25" x 3.75" x 7.5" with side or top access

Lids

- Recessed dust cover with finger hole for easy removal
- Available in opaque or clear plastic

14/6 Accessories (measurements in inches, unless specified)

Order #	For Container	Dimensions	
		L	W
146 LBL.0703	Labels	7.5	3.5
LFSL.030407	Top Access	7.5	3.0
146.CLIP	Clips to Hold Orders	—	—
1461 SD.26190 PA	Lid w/Finger Hole (Opaque)	—	—
1462 SD.26190 PA	Lid w/Finger Hole (Opaque)	—	—
1462 DC.1913 CLI	Lid w/Finger Hole (Clear)	—	—
1463 DC.1309 CLI	Lid w/Finger Hole (Clear)	—	—
1464 DC.0806 CLI	Lid w/Finger Hole (Clear)	—	—



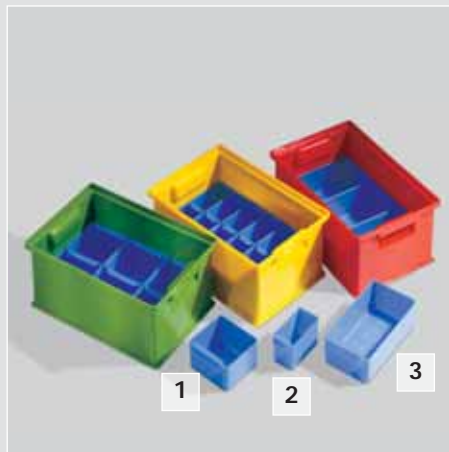
Lid with Finger Hole



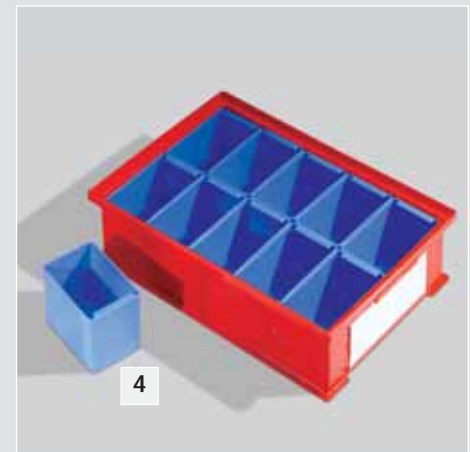
Clip to Hold Orders

Sub-Containers

- Five different boxes, three heights
- Made of polystyrene
- Can be used with 14/6 and LF containers
- Permits kitting of parts for assembly or storage



1 EK 030402
2 EK 030202



4 EK 050303

14/6 Sub-Containers

(measurements in inches, unless specified)

Order #	Outside Dimensions			Tare Weight lbs.
	L	W	H	
EK 070302	7.1	3.8	2.4	0.2
EK 030402	3.8	3.6	2.4	0.1
EK 030202	3.6	1.9	2.4	0.1
EK 050304	5.4	3.5	4.4	0.2
EK 050303	5.4	3.5	3.8	0.2

Arrangements of Sub-Containers for 14/6 Stackable Transport

3x EK 070302	6x EK 030402	12x EK 030202	9x EK 050304	Other

MF Containers

Preferred worldwide by manufacturers of automated storage and retrieval systems. These containers are designed and built by Schaefer for operation in automated systems.

MF Advantages

- Twelve sizes, three footprints
- Heights from 5" to 16.5"
- Made of polypropylene or conductive polypropylene
- Standard color is red
- Maximum storage efficiency
- Designed for operation in AS/RS
- Reinforced bottom for use in unsupported rack
- Vertical lifting features
- Automatic positioning features
- Horizontal insertion and extraction features
- Bar code areas on all sides
- 8.25" x 3.25" card holder molded-in



MF Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H				
MF 3120	11.7	7.8	4.8	10.2	6.3	4.0	0.18	1.2	77	660
MF 4120	15.6	11.7	4.8	14.4	10.5	3.4	0.35	2.4	77	660
MF 4170	15.6	11.7	6.6	14.4	10.5	5.3	0.52	2.9	77	660
MF 4220	15.6	11.7	8.7	14.4	10.5	7.4	0.70	3.4	77	660
MF 4270	15.6	11.7	10.6	14.4	10.5	9.2	0.74	3.9	77	660
MF 6070	23.4	15.6	2.7	22.2	14.4	1.1	0.36	3.3	77	660
MF 6120	23.4	15.6	4.8	22.2	14.4	3.4	0.74	3.9	77	660
MF 6170	23.4	15.6	6.6	22.2	14.4	5.3	1.09	4.6	77	660
MF 6220	23.4	15.6	8.7	22.2	14.4	7.4	1.47	5.8	77	1320
MF 6270	23.4	15.6	10.6	22.2	14.4	9.3	1.84	6.5	77	660
MF 6320	23.4	15.6	12.6	22.2	14.4	11.3	2.20	6.8	77	660
MF 6420	23.4	15.6	16.6	22.2	14.4	15.2	2.93	8.9	77	1320

MF Dividers (measurements in inches)

Order #	Dimensions	
	L	W
IL DV 1309	13.0	9.5
IL DV 2113	20.7	13.3

MF Lids (measurements in inches)

Order #	Dimensions	
	L	W
MFD 32	12	8
MFD 43	16	12
MFD 64	24	16



Dividers



1 Smooth Base Area
2 Base Ribbing

- 1 Upper Stacking Rim
- 2 Slots for Lid Hinges
- 3 Centering Points
- 4 Slots for Vertical Retrieval
- 5 Routing Facility
- 6 Recessed Grip at 220mm High
- 7 Card Holder with Integrated Bar Code Field
- 8 Holes for Sealing Lid
- 9 Locator Holes
- 10 Lower Stacking Rim

LTS Pallet

The LTS pallet is made of polypropylene and is compatible with the MF, LTF, LTS, KLT and EF container lines. The longitudinal runners make the LTS pallet ideal for use with roller tracks, link conveyors, lifting platforms, etc. The raised periphery lip retains loads securely and the 4-way fork entry allows for easy handling and positioning.



LTS Pallet

LTS Pallet (measurements in inches)				
Order #	Outside Dimensions			Max Load
	L	W	W	
LTS Pallet	31.5	23.6	6.0	550



KLT Containers

The KLT containers were designed for manual and highly automated handling. The KLT containers accommodate the most diverse methods of automated handling of any SSI container system. Because automation requires minimum deflection, KLT containers are extremely rigid, making them the most heavy duty containers Schaefer offers.

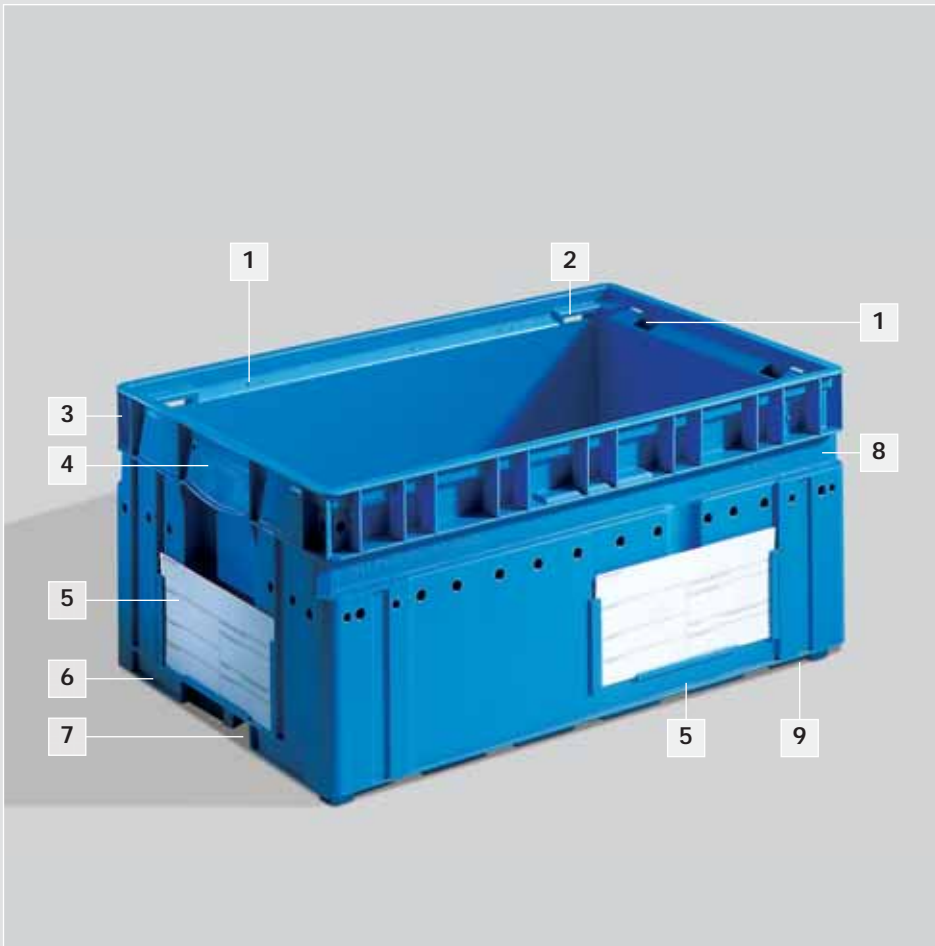
KLT Accessories

Order #		For Container
Lid	Divider	
KLT D 32	—	KLT 3214
KLT D 43	ZL 43	KLT 4314
KLT D 43	ZL 43	KLT 4321
KLT D 43	ZL 43	KLT 4328
KLT D 64	ZL 64	KLT 6414
KLT D 64	ZL 64	KLT 6417
KLT D 64	ZL 64	KLT 6421
KLT D 64	ZL 64	KLT 6428

KLT Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H				
KLT 3214	11.7	7.8	5.9	10.2	5.4	5.0	0.16	1.6	66	880
KLT 4314	15.6	11.7	5.9	13.1	9.7	4.1	0.32	3.6	110	1320
KLT 4321	15.6	11.7	8.5	13.1	9.7	6.7	0.49	4.6	110	1320
KLT 4328	15.6	11.7	11.1	13.1	9.7	9.3	0.67	5.7	110	1320
KLT 6414	23.4	15.6	5.9	20.9	13.6	3.9	0.64	6.2	110	1320
KLT 6417	23.4	15.6	6.9	20.9	13.6	4.9	0.81	6.6	110	1320
KLT 6421	23.4	15.6	8.5	20.9	13.6	6.5	1.06	8.1	110	1320
KLT 6428	23.4	15.6	11.1	20.9	13.6	9.1	1.52	9.7	110	1320
LKLT3147GY	11.7	7.9	5.8	9.6	6.4	5.1	0.18	—	—	—
KLT 4147GY	15.6	11.7	5.8	13.6	10.0	5.1	0.42	—	—	—
KLT 6280GY	23.4	15.6	11.0	21.4	14.1	10.3	1.82	—	—	—
L-KLT8066*	31.2	23.4	3.9	29.6	21.7	1.7	0.6	4.9	40	—
L-KLT8120*	31.2	23.4	4.7	29.6	21.7	3.8	1.4	6	40	—
L-KLT8210*	31.2	23.4	8.7	29.6	21.7	7.5	2.8	8.8	40	—
L-KLT8280*	31.2	23.4	11.0	29.6	21.7	10.0	3.7	10.25	40	—

* Stack only box, all dimensions unique



- 1 Holes for Vertical Lifting
- 2 Lid Slots
- 3 Sealing Slots
- 4 Hand Grip
- 5 Card Holder

- 6 Lower Stacking Rim
- 7 Integrated Slots for Mini-Load Systems
- 8 Crane Grooves
- 9 Vertical Grip Groove

KLT Advantages

- Eight sizes, three footprints
- Four heights
- Available in blue
- Lifting points for vertical lifters
- Two methods of horizontal extraction
- Registration points for automated picking
- Ergonomic handles with fingertip handles on adjacent sides
- Built-in label holders
- Bar code areas
- Reinforced bottom for use in mini-load systems and with heavy loads
- KLT Light - A lighter, less expensive version (Minimum quantities apply)

KLT Accessories

Top Cap

- Covers containers stacked on a pallet. Order No. KLT 3248
- Ribs on the front of the container hold straps in place

Lids

- Available with security tie for tamper-proof lid
- Extra strong to support heavy loads

Dividers

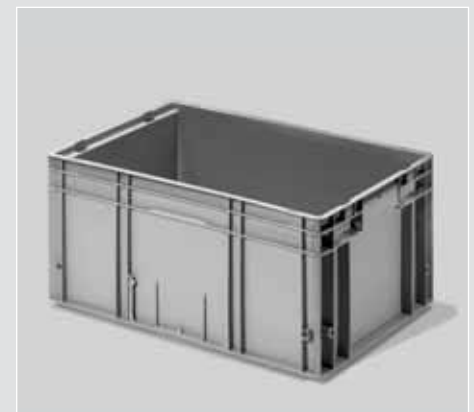
- Protect and separate fragile parts
- Finger grips for easy removal



- 1 D-64
- 2 D-43
- 3 D-32



- 1 ZL-64
- 2 ZL-43



LKLT - KLT Light



LTS Containers

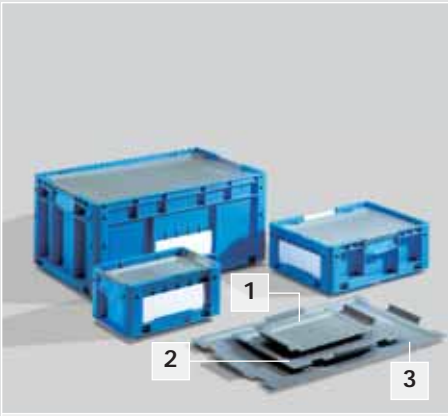
Schaefer LTS containers are stack-only containers designed specifically for manual and automated handling.

LTS Advantages

- Three sizes, three footprints
- Two heights
- Available in red
- Reinforced base for use in an AS/RS system with an unsupported rack
- Automation features: lift positions, registration points, horizontal extraction features (LTS K628Z)
- Ergonomic handles
- Built-in label holders
- Drainage holes
- Strong
- Compatible with Euro-Fix and KLT systems
- Compatible with 48" x 40" pallets and 32" x 24" pallets

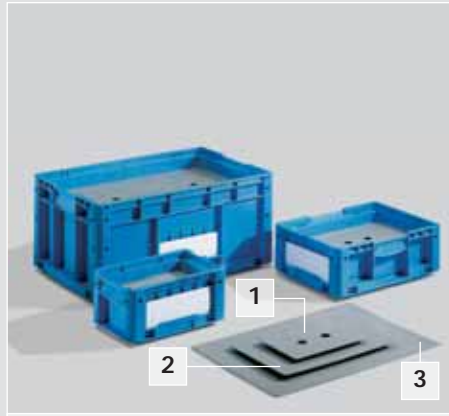


LTS Containers (measurements in inches, unless specified)											
Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load	
	L	W	H	L	W	H				lbs.	lbs.
LTS K314	11.7	7.8	5.8	9.1	6.1	4.9	0.16	1.5	22	1320	
LTS K614	15.6	11.7	5.8	13.9	9.1	4.2	0.69	3.2	55	1320	
LTS K414	23.4	15.6	5.8	20.7	13.8	4.2	0.69	6.0	110	1320	
LTS K628	23.4	15.6	11	20.7	13.8	9.4	1.62	8.1	132	1320	



LTS Dust Covers

- 1 LTS D3
- 2 LTS D4
- 3 LTS D6



LTS Dividers

- 1 LTS Z3
- 2 LTS Z4
- 3 LTS Z6

LTS Accessories

LTS Dust Covers

- Polystyrene dust covers with "easy off" tabs

LTS Dividers

- Polypropylene horizontal dividers with finger holes

LTS Accessories		
Order #		For Container
Dust Cover	Divider	
LTS D3	LTS Z3	LTS K314
LTS D4	LTS Z4	LTS K414
LTS D6	LTS Z6	LTS K628

LTS Pallet

The LTS pallet is made of polypropylene and is compatible with the MF, LTF, LTS, KLT and EF container lines. The longitudinal runners make the LTS pallet ideal for use with roller tracks, link conveyors, lifting platforms, etc. The raised periphery lip retains loads securely and the 4-way fork entry allows for easy handling and positioning.



EDF 3224.2SBBK1: Bungee Cord Secures Lid to LTPS 815 Pallet



LTS Pallet

LTS Pallet (measurements in inches)				
Order #	Outside Dimensions			Max Load lbs.
	L	W	W	
LTS Pallet	31.5	23.6	6.0	550

KFB Containers

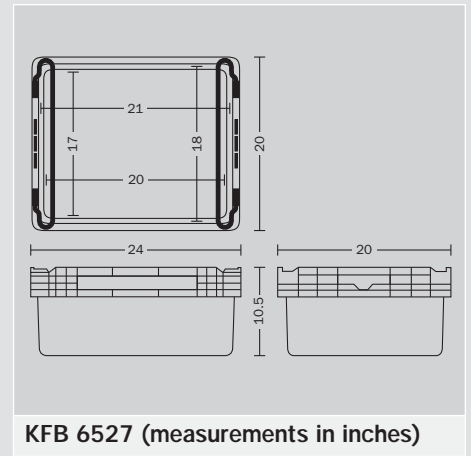
Schaefer bail containers offer nestability, convenience and efficiency with a patented bail design to provide a stacking function. Up to a 4:1 nest ratio means significant storage space savings and economic back hauling for shipping and receiving.



KFB 6527 Stacked on the Bar



KFB 6527 Nested For Returns



KFB 6527 (measurements in inches)

KFB Containers

Order #	Description	With Bar
KF 242010	Solid Base/Sides	No
KFB 242010	Solid Base/Sides	Yes
KFB 242010.3	Mesh Sides	Yes
KF 6527	Made in USA	No
KFB 6527	Made in USA	Yes

KFB Containers (measurements in inches, unless specified)

Order #	Outside Top Dimensions			Outside Bottom Dimensions			Inside Top Dimensions			Inside Bottom Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H	L	W	H	L	W	H					
KFB 242010.0	23.7	19.7	9.9	21.5	17.5	9.9	22.4	18.3	9.7	21.2	17.4	8.7	1.94	3:1	7.7	66	396
KFB 6527	23.7	19.7	10.5	21.0	17.1	10.5	22.1	18.2	10.2	21.2	17.4	9.5	1.94	4.3:1	7.6	66	396
KFB 242010.3	23.7	19.7	9.9	21.5	17.5	9.9	22.4	18.3	9.7	21.2	17.4	8.7	1.94	3:1	6.9	66	396



KFB in the Pharmaceutical Industry



Steel Swivel Stacking Bar
(not to be used as a handle)

KFB 242010 & KFB 6527

- Designed for distribution of product between parts supplier and manufacturer, or wholesaler and retailer
- 3:1 and 4:1 nest ratios
- Compatible with KFP 6527/KFT 6527 48" x 40" pallets and top caps
- KFB 652 available with mesh sides for easy visibility of contents and stock status
- Easily cleaned
- Available with dust cover
- Can be ordered without bails (delete B from order #) to create a nest-only version
- Made of polyethylene and polypropylene
- Available in blue and other standard colors



KFB 242010 with Lid

KFB Lids	
Order #	For Container
ALL KFB	KFD 2420

KS Containers

Schaefer 180° stack and nest containers securely stack when full and efficiently nest when empty to minimize freight and storage costs. Designed for a wide variety of applications, Schaefer's KS, EFB and FB, 180° stack and nest containers can be found globally in food processing, industrial and distribution businesses. Many of the containers are compatible with pallet systems, including Euro-pallets and 48" x 40" pallets. Some of the containers have unique features for specific applications, and all have Schaefer quality in workmanship and design.



1 KS 221411
2 KS 291710

3 KS 161210
4 KS 141007

5 KS 241404

KS Containers (measurements in inches, unless specified)

Order #	Outside Top Dimensions			Outside Bottom Dimensions			Inside Top Dimensions			Inside Bottom Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H	L	W	H	L	W	H					
KS 161210	15.8	11.9	10.5	13.8	10.4	10.5	13.3	11.0	9.6	12.5	10.2	9.6	0.78	3.0	2.7	22	176
KS 241404	23.3	13.4	3.7	21.7	11.9	3.7	21.3	12.2	3.3	20.8	11.8	3.3	0.51	1.8	2.3	22	176
KS 291710	28.4	16.6	9.9	25.9	13.9	9.9	24.8	14.5	9.1	24.0	13.6	9.1	1.94	2.6	5.6	44	264
KS 221411	21.5	13.6	11.1	19.8	11.9	11.1	20.3	12.6	10.2	18.1	11.4	10.2	1.24	2.7	4.1	33	264
KS 141007	14.3	10.4	7.5	11.7	8.4	7.5	12.6	9.6	7.3	11.4	8.3	7.3	0.37	3.1	2.2	17	176

KS Container Features

KS 161210 and KS 221411

- Two sizes, two heights, two footprints
- Made of polyethylene
- Designed specifically for use in meat processing facilities
- Ergonomic open hand holds permit use in overhead chain conveyors
- Sidewall slots provide overflow and airflow management
- Smooth walls with generous corner radii create a strong and easy-to-clean container
- KS 161210 is available in red, blue, green and yellow
- KS 221411 is available in white only

KS 241404

- A general purpose 180° stack and nest container
- Large labeling or bar-coding areas on the sidewalls
- Made of polyethylene
- Available in blue, yellow, red and green

KS 291710

- A general purpose 180° stack and nest container
- Large labeling or bar-coding areas on the sides
- Made of polypropylene
- Available in blue, yellow, red and green

KS 141007

- Designed for small parts storage
- Deep handles
- Wide label holder on front rim
- Dividers are available to divide the container in halves or quarters
- Layer separator also available
- Available in blue, yellow, red and green
- Made of polyethylene



KS 221411 in the Meat Packing Industry



KS 221411 with Lid

KS Lids

Order #	For Container
KSD 2214	KS 221411

KS 141007 Accessories

Order #	Description
KS DV.1410.QWHI	Cross Divider
KS DV.1410.LWHI	Vertical Divider
KS DV.1410.XWHI	Horizontal Divider

FB Containers

Schaefer 180° stack and nest containers are designed for storage, work in process and product distribution. All containers are available in red, yellow, blue and green. All FB containers are compatible with Euro-pallets and 48" x 40" pallets.

FB Container Features

FB 221307

- A smaller version of the FB 241614
- Good nest ratio for economical returns and efficient empty storage
- Handles under the reinforced rim
- Made of polypropylene

FB 241610

- Very good nest ratio for economical returns and efficient empty storage
- Handles under the reinforced rim
- Latching cover with stack stops
- Built-in 7.5" x 3.5" card holder
- Made of polyethylene, available in polypropylene (minimum quantities apply)



FB Containers (measurements in inches, unless specified)

Order #	Outside Top Dimensions			Outside Bottom Dimensions			Inside Top Dimensions			Inside Bottom Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H	L	W	H	L	W	H					
FB 221307	21.3	12.6	6.7	18.9	10.1	6.7	17.7	11.0	6.0	16.7	10.0	6.0	0.60	3.5	4.0	44	330
FB 241610	23.7	15.8	9.9	19.9	13.1	9.9	21.7	14.1	9.8	19.7	12.8	9.8	1.59	3.6	4.8	44	330
FB 231508	23.1	14.8	7.9	20.3	12.2	7.9	19.0	13.0	7.1	16.5	11.8	7.1	1.06	4.3	2.7	22	176
FB 231512	23.6	15.7	11.9	21.2	13.3	11.9	22.2	14.3	11.7	20.8	13.1	11.7	2.01	5.0	4.2	44	330
FB 241614	23.7	15.8	13.8	20.9	12.8	13.8	19.7	14	13.1	18.7	12.0	13.1	2.19	3.1	5.8	66	330
FB 262006	25.6	19.7	5.8	23.0	17.0	5.8	21.2	17.9	5.7	21.2	16.9	5.7	1.41	3.2	3.3	22	176

Note: All specifications are nominal



FB 221307



FB 241610 Stackable with Lid



FB 231508 Stackable with Lid

FB 231508

- Compatible with Euro-pallet and 48" x 40" pallet
- Latching cover with stack stops
- Handles under the reinforced rim
- Made of polypropylene



FB 241614



FB 231512

FB 231512

- Compatible with Euro-pallet and 48" x 40" pallet
- Open handholds
- Made of polypropylene

FB 241614

- Good nest ratio for economical returns and efficient empty storage
- Handles under the reinforced rim
- Latching cover with stack stops
- Made of polypropylene, available in polyethylene (minimum quantities apply)



FB 262006

FB 262006

- Ideal for distribution of lightweight but bulky items
- Made of polyethylene



FB Lids

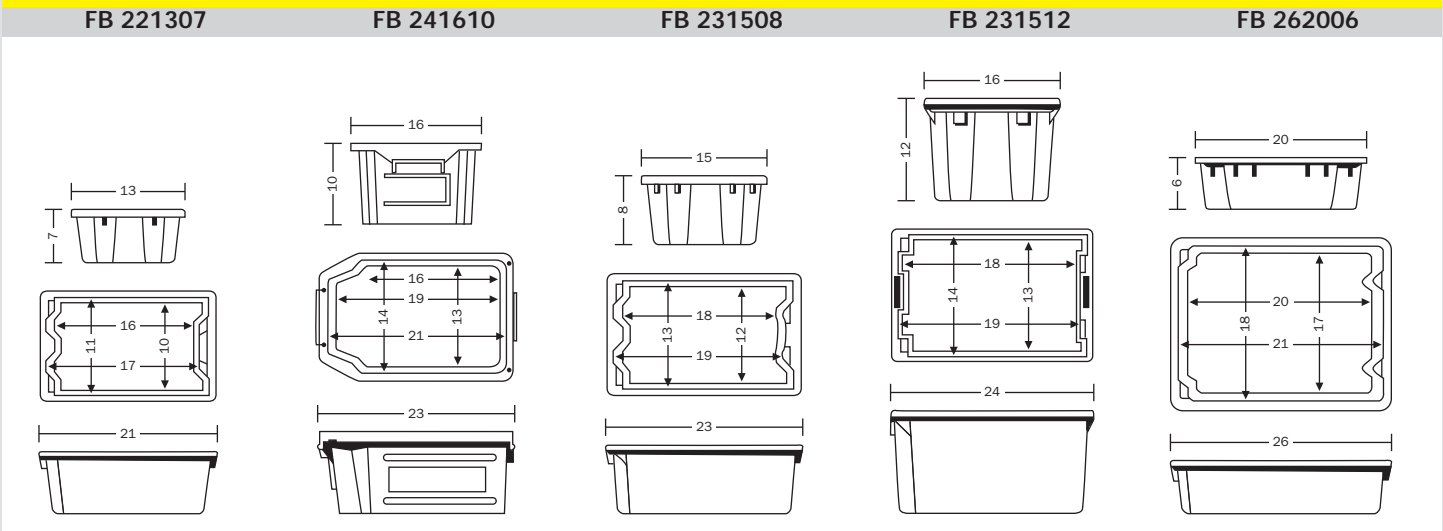
Index Cards For FB 600 (measurements in inches)

Order #	Description	Dimensions	
		L	W
EHE 146	100 Pack of Index Cards	7.5	3.5

FB Lids

Order #	For Container
FBD 2416A	FB 241610
FBD 2315S	FB 231508
FBD 2416S	FB 241614

FB Containers



KMB Containers:

The Multi-Purpose Container

The System

An outstanding feature of the KMB container is its great versatility in terms of warehousing and materials-handling applications. The system can be extended, using more than 50 optional configurations. It offers alternative packaging for fragile items packed in cardboard boxes or foil packs. Empty containers can be nested, providing space-savings of up to 75% and thus reducing storage and transportation costs.

Advantages

- Space-savings of 75% when empty
- Temperature-resistant from -20° to +90°C
- Can be handled from any side with automatic stacking equipment
- Ergonomically-shaped handles
- Smooth surfaces for easy cleaning, with optional drainage holes
- Made of polypropylene
- Can hold contents weighing up to 110 lbs. (reinforced base required)
- Specially-designed bar code fields for protection against damage and soiling
- Run with optimum smoothness through conveyor systems
- Textured base provides grip when used with belt conveyors
- Can be supplied with various logos



Nested, Empty Containers Provide Volume Savings of Up to 75%





Different-sized containers can be stacked on top of each other.



Stacking of Lidded Containers



Packing-Strap Grooves



KMB Containers:

Attached Lid Containers

The System

The version with a hinged two-section lid provides the best way of protecting your products from damage. An optional seal prevents unauthorized access to goods being transported. Lead seals can also be attached to provide additional security, as can reinforced case straps (using the grooves provided). The hinged folding lid permits secure stacking of different-sized KMB containers. The lids fold outward and lie vertically against the side of the container to permit nesting when empty.

Advantages

- Containers of different heights and sizes can be stacked on top of each other when lid is closed
- Optimum damage-protection for items being distributed
- High level of access control with optional lock of seal
- Additional security using band strapping in grooves
- Vertical position of open lid ensures maximum space saving when nested
- Hinged lids can be replaced individually
- Available with stacking bail

KMB Containers:

Containers with Bail Arm

The System

A conical shape with easy stacking need not be a contradiction in terms. Just fold back the bail arms and nest the empty containers inside each other, or pile full containers into a stack.

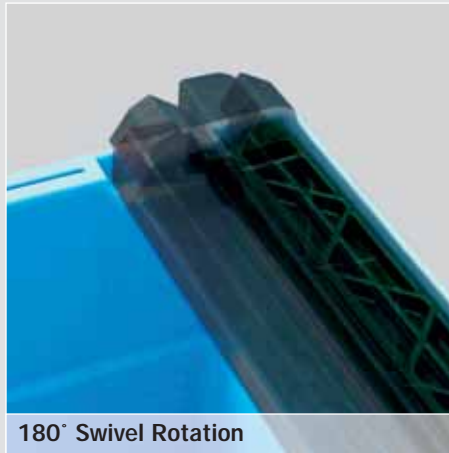
For safer handling, the frame is fitted with a special catch that prevents it folding up by accident.

Advantages

- The bail arms are easy to use
- The arms are made of highly robust fiberglass-reinforced material
- Safety catch provides high level of operating reliability and ease of handling
- The bail arm engages precisely in both normal and folded position
- No reduction in useful volume
- Each arm can be replaced individually



Stacking and Nesting Features



180° Swivel Rotation



Stacking of Containers with Bail Arm



KMB containers are ideal for use in pharmaceuticals, . . .



. . . and in the printing and publishing industries.



Reinforced Base



Nesting



Bail Arm

KMB Conical Returnable Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Outside Dimensions At Base	
	L	W	H	L	W
Nesting					
KMB422	15.7	11.8	8.8	12.6	9.4
KMB617	23.6	15.7	6.8	19.9	13.2
KMBB617 VB01*	23.6	15.7	7.6	—	—
KMB-B617 VB01*	23.6	15.7	7.6	—	—
KMB-DH617 VB01*	24.0	15.7	8.5	—	—
KMB622	23.6	15.7	8.8	19.9	13.2
KMB622 VB01*	23.6	15.7	9.5	—	—
KMB-B622 VB01*	23.6	15.7	9.5	—	—
KMB-DH622 VB01*	24.0	15.7	10.5	—	—
KMB627	23.6	15.7	10.7	19.9	13.2
KMB627 VB01*	23.6	15.7	11.5	—	—
KMB-B627 VB01*	23.6	15.7	11.5	—	—
KMB-DH627 VB01*	24.0	15.7	12.5	—	—
KMB632	23.6	15.7	12.7	19.9	13.2
KMB632 VB01*	23.6	15.7	13.5	—	—
KMB-B632 VB01*	23.6	15.7	13.5	—	—
KMB-DH632 VB01*	24.0	15.7	14.4	—	—
KMB642	23.6	15.7	16.7	19.9	13.2
KMB642 VB01*	23.6	15.7	17.4	—	—
KMB-B642 VB01*	23.6	15.7	17.4	—	—
KMB-DH642 VB01*	24.0	15.7	18.4	—	—
KMB832	31.5	15.7	12.7	27.8	13.2
2 Bail Arms KMB-B400					
KMB-B422	15.7	11.8	8.8	12.6	9.4
KMB-B617	23.6	15.7	6.8	19.9	13.2
KMB-B622	23.6	15.7	8.8	19.9	13.2
KMB-B627	23.6	15.7	10.7	19.9	13.2
KMB-B632	23.6	15.7	12.7	19.9	13.2
KMB-B642	23.6	15.7	16.7	19.9	13.2
KMB-B832	31.5	15.7	12.7	27.8	13.2
1 Folding Lid KMB-DH84, 10 Hinge Elements KMB-DS					
KMB-DH422	16.1	11.8	9.7	12.6	9.4
KMB-DH617	24.0	15.7	7.8	19.9	13.2
KMB-DH622	24.0	15.7	9.7	19.9	13.2
KMB-DH627	24.0	15.7	11.7	19.9	13.2
KMB-DH632	24.0	15.7	13.7	19.9	13.2
KMB-DH642	24.0	15.7	17.6	19.9	13.2
KMB-DH832	31.9	15.7	13.7	27.8	13.2



Hinged Folding Lid

* Container with ribbed base

EFB Containers

EFB containers are one of the strongest 180° stack and nest containers made out of recyclable thermoplastic material like polypropylene. Designed to withstand industrial use, they can be used in any application requiring great stacking strength and efficient storage when empty.



EFB Containers (measurements in inches, unless specified)

Order #	Outside Top Dimensions			Outside Bottom Dimensions			Inside Top Dimensions			Inside Bottom Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H	L	W	H	L	W	H					
EFB 642	23.7	15.8	7.9	21.2	13.1	7.9	19.9	14.2	7.1	18.6	12.7	7.1	1.27	3.2	4.4	70	396
EFB 643	23.7	15.8	11.9	21.2	13.1	11.9	19.9	14.2	11.1	18.6	12.7	11.1	1.91	3.2	6.3	70	396
EFB 644	23.7	15.8	15.8	21.2	13.1	15.8	19.9	14.2	15.0	18.6	12.7	15.0	2.54	3.2	7.7	70	396

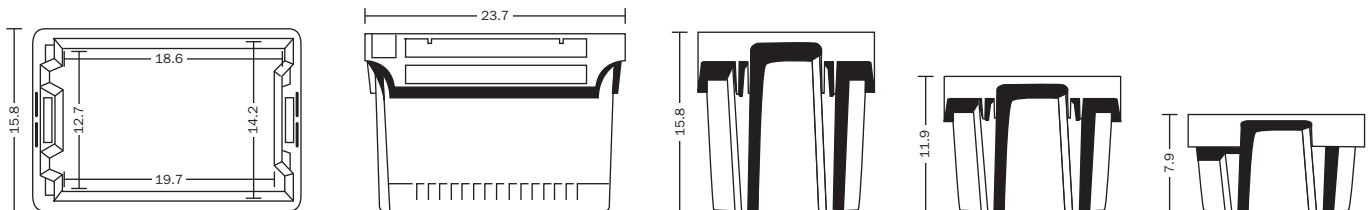
Note: All specifications are nominal

EFB Containers (measurements in inches)

EFB 6444

EFB 643

EFB 642



EFB Advantages

EFB 642, EFB 643 and EFB 644

- Three sizes, three heights, one footprint
- Made of polypropylene
- Available in green, blue, yellow and red
- Popular mold options include mesh on sides and base
- Compatible with Euro-pallet and 48" x 40" pallet
- All three containers interstack and nest with each other
- Ergonomic handles can be grasped from the side or top
- Built-in 3" x 2.25" label holder
- Large, protected hot stamp areas
- Protected bar code areas
- Easily conveyed on textured bottom
- Easy to clean

EFB Lid

- One size fits all containers
- Lid latches securely into place
- Slots are available for banding containers
- Stack stops secure load on top of lid
- Lids stack on top of each other for efficient storage
- Lid does not interfere with use of ergonomic handles



EFB with Solid Sides



EFB with Mesh Sides



EFB Lids



EFB Special*	
Order #	Description
EFB L 642	Mesh Sides
EFB L 643	Mesh Sides
EFB L 644	Mesh Sides
EFB B 642	Mesh Base
EFB B 643	Mesh Base
EFB B 644	Mesh Base
EFB LBS 642	Mesh Base/Sides
EFB LBS 643	Mesh Base/Sides
EFB LBS 644	Mesh Base/Sides

* Minimum quantity: 1,000

EFB Lids	
Order #	For Container
EFB D	Fits All Models

KS Containers

The KS drafted wall containers nest when empty and stack when used with a lid. Many are suitable for use on a Euro-pallet or 48" x 40" pallet. Some have unique features like water-resistant seals, automated lifting or positioning features, or nestable lids.



KS 302112 Containers with a Mini-Load



1 KS 241608

2 KS 231508

3 Poolbox®

KS Containers (measurements in inches, unless specified)

Order #	Outside Top Dimensions			Outside Bottom Dimensions			Inside Top Dimensions			Inside Bottom Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H	L	W	H	L	W	H					
KS 201310	19.4	13.9	9.7	17.2	10.5	9.7	18.4	12.8	9.5	16.9	10.2	9.5	1.17	4.00	3.60	22	220
KS 241610	23.8	15.8	9.7	20.3	12.4	9.7	21.7	13.7	9.6	20.0	12.1	9.6	1.52	3.10	4.90	22	220
KS 302112	30.6	21.1	12.5	25.7	16.3	12.5	28.3	18.9	12.2	25.1	15.7	12.2	3.18	4.14	7.70	81	440
KS 201405	19.7	14.2	4.9	17.1	10.8	4.9	18.1	12.6	4.7	16.9	10.6	4.7	0.53	1.90	2.70	17	176
KS 201410	19.7	14.2	10.0	17.3	10.8	10.0	18.3	12.6	9.8	17.1	12.6	9.8	1.13	3.83	4.00	35	352
KSB 221410	22.5	14.6	10.3	17.1	12.8	10.3	18.6	14.2	10.1	16.8	12.5	10.1	1.13	4.30	3.60	44	264
KS 161308	15.6	13.0	8.3	13.1	10.3	8.3	13.9	10.9	8.1	12.9	10.1	8.1	0.58	4.00	3.90	23	440
KS 161208	15.7	11.8	8.6	14.0	9.6	8.6	14.2	10.2	8.4	13.8	9.5	9.5	0.65	3.68	3.30	33	220
KS 241608	23.6	15.7	8.6	21.5	14.0	8.6	22.0	14.4	8.4	21.3	13.8	8.4	1.52	2.90	5.10	33	330
KS 231508	23.7	15.8	7.9	18.8	13.2	7.9	21.4	14.3	7.7	18.7	12.9	7.7	1.21	4.00	3.90	33	550
KS 241613	23.6	15.7	13.0	24.2	13.7	13.0	22.0	14.5	12.8	20.9	13.4	12.8	2.17	3.50	5.72	33	330
KF 251612C	24.9	15.8	11.9	21.2	12.4	11.9	21.8	14.0	11.6	21.4	12.2	11.6	1.94	3.60	5.30	33	—
KF 201208C	19.7	11.9	7.9	16.6	8.8	7.9	17.1	10.0	7.9	16.5	8.6	7.7	0.78	3.60	4.00	22	—

KS Container Features

KS 201310

- General purpose nestable container
- Stacking lid with access for strapping or banding material
- Made of polyethylene
- Available in red, blue, green and yellow

KS 241610

- Compatible with 48" x 40" pallet systems or Euro-pallets
- Pocket handles
- Waterfall cover
- Available in red, blue, green and yellow
- Made of polyethylene

KS 291710

- A general purpose 180° stack and nest container
- Large labeling or bar-coding areas on the sides
- Made of polypropylene
- Available in blue, yellow, red and green

KS 302112

- Designed for large bulky loads
- Withstand harsh use on conveyors
- Excellent nesting ratio
- Ergonomic handles
- Integral label holder, 4" x 2.5"
- Made of polypropylene
- Available in green only



KS 201310



KS 241610



KS 302112



KS 302112 Container with Lid & Two KS 201410 Containers on Top



Lid for KS 302112

KS Lids (measurements in inches)

Order #	For Container	Description
KSD 2013	KS 201310	Lid
KSD 2416	KS 241610	Lid
KSD 3021	KS 302112	Lid
KSD 2013	KS 201405	Locking Lid
KSBD 2214	KSB 221410	Adjustable Lid
KSD 1613	KS 161308	Lid with Gasket & Clamp
KSD 1612	KS 161208	Nestable Lid
KSD 2416	KS 241608	Nestable Lid
KSD 2416	KS 241613	Nestable Lid
KSD 2316	KS 231508	Lid

KS 201405 and KS 201410

- Two sizes, one footprint, two heights
- Available in green
- Made of polypropylene
- Designed for distribution applications
- Protected bar code areas along bottom
- Built-in label holder on rim
- Designed for roller conveyors
- Secure waterfall lid with stacking rim and cut-outs for strapping or banding
- "C" option (KS 201405C or KS 201410C) permits attachment of reflective pins (KF.CODETAB) (Minimum quantity 1,000)

KSB 221410

- Designed for distribution of books and other printed material
- Lid can be placed at different levels to maximize cube utilization on pallets or trailers when containers are partially filled
- Lightweight but strong
- Made of polypropylene



"C" Option for KS 201405 & KS 201410



KS 201410



KSB 221410

KS 161208 and KS 241608

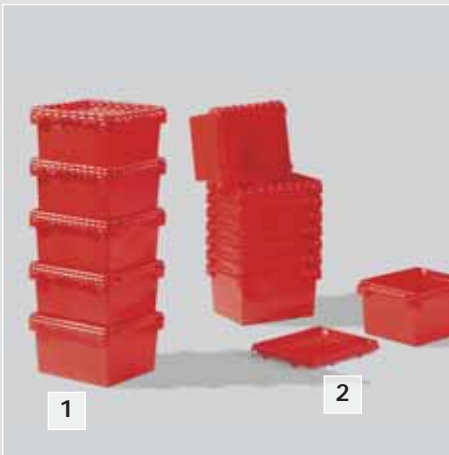
- Two sizes, three footprints, one height
- Available in blue
- Made of polypropylene
- Designed for distribution
- Pocket handles
- Protected bar code areas
- Nestable lid, cover fits inside container
- Secure stacking stops
- Waterfall lid for water resistance
- Lid secured with ties or banding
- Automated lid placement on container
- Compatible with 48" x 40" pallet or Euro-pallet
- UN transport approved for hazardous material according to protocol 4H2/Y18/S

KS 161308

- Designed for safe transportation of hazardous material according to UN protocol 4H2/x10.5/S
- Spill resistant with options for foam gasket and lid clamps
- Automated lifting features
- Designed for conveyor operation
- Made of polyethylene
- Available in red



1 KSD 2416 2 KSD 1612 3 KS 161208 4 KS 241608



1 KS 161308 2 KSD 1613



LF Hopper Front Containers

One of the first plastic hopper front container families. The plastic version of our popular 14/7 hopper front steel container. These containers are ideal members of a small parts storage system which utilizes free-standing racks, trolleys or shelving. When you purchase an LF container, you are purchasing over 50 years of solutions which have been designed into products and accessories.

- | | | | |
|-------------|-------------|-------------|--------------|
| 1 LF 060402 | 4 LF 140806 | 7 LF 201208 | 10 LF 200606 |
| 2 LF 060503 | 5 LF 140808 | 8 LF 201212 | |
| 3 LF 090605 | 6 LF 201206 | 9 LF 201812 | |

LF Hopper Front Advantages

- 15 sizes, eight footprints, seven heights (2"–12")
- Available in yellow, green, red and blue
- Interstackable with the 14/6 line of containers (except LF 141906)
- Can be hung on louvered panel (except larger containers:
LF 291812, LF 201812, LF 201212 and LF 201206)
- Front label holders
- Ergonomically designed, recessed grip handle on the back for easier manual handling
- Double-wall construction for strength, made of polyethylene (except LF 090605, LF 140806 and LF 140808)
- Compatible with SSI free-standing racks, trays, shelving and trolleys

LF Hopper Front Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Capacity Cubic Ft	Tare Weight lbs.
	L	W	H		
LF 040402	3.8	4.0	2.0	0.01	0.1
LF 040402D	3.8	4.0	2.0	0.01	0.1
LF 060402	6.7	4.2	2.0	0.02	0.2
LF 060503	6.5	4.3	3.0	0.03	0.2
LF 090605	9.2	5.9	4.8	0.10	0.6
LF 140806	13.6	8.3	5.8	0.26	1.4
LF 140808	13.6	8.3	7.9	0.37	1.8
LF 141906	14.2	19.1	5.8	0.60	2.3
LF 200606	19.7	6.2	5.8	0.27	1.8
LF 201206	20.1	12.5	5.8	0.57	2.6
LF 201208	19.7	12.3	7.9	0.83	3.3
LF 201212	19.7	12.3	11.9	1.34	4.2
LF 201812	19.7	18.4	11.9	2.01	5.9
LF 291812	28.2	18.6	11.9	2.61	9.4

LF Hopper Front Containers

LF Hopper Front Accessories

Lids and Covers for LF Containers

- DC lids are transparent plastic and cover the front and top of the containers
- DL lids are transparent plastic and leave the front of the container open for access to parts
- DL lids only fit LF 201208 and LF 140808

Plastic Sleeve

- Self-adhesive, with 0.5" margins
- Please specify side or top opening

Support Bar

- Provides stability to containers loaded with heavy parts
- Can be installed with front panels and partitions in place
- Can be added after purchase



DC Lids For LF Containers



Plastic Sleeve & Support Bar

LF Lids

Order #	For Container
LFDC.060 503 TR1	LF 060503
LFDC.090 605 TR1	LF 090605
LFDC.140 806 TR1	LF 140806
LFDL.1408 TR1	LF 140808
LFDC.140 808 TR1	LF 140808
LFDC.200 606 TR1	LF 200606
LFDC.201 206 TR1	LF 201206
LFDC.141 906 TR1	LF 141906
LFDC.201 208 TR1	LF 201208
LFDL.2012 TR1	LF 201208

LF Plastic Sleeve

(measurements in inches, unless specified)

Order #	For Container	Dimensions		
		L	W	H
LFSL.030407	LF 140806	3.25	3.75	7.5



Support Bars



LF Support Bars

(measurements in inches, unless specified)

Order #	For Container
LFSB.08BKI	LF 140808
LFSB.12BKI	LF 201206, LF 201208, LF 201212
LFSB.18BKI	LF 201812

CS Transparent Flap

- Made of durable, transparent plastic
- Front flaps prevent dust penetration
- Even when stacked, flaps can be opened for access to contents
- Suitable for labeling and stock control indexing



Transparent Flap

Index Pouches

- Rigid, durable base
- Blue plastic back with transparent pouch, 0.5" deep
- Raised index tab for labeling contents



Index Pouches

4" x 2.25" Label Holder

- Holds large adhesive labels or bar coding



Label Holder

CF Transparent Flaps

Order #	For Container
LFF LAP.140 81 TR1	LF 140806
LFF LAP.140 82 TR1	LF 140808
LFF LAP.201 22 TR1	LF 201208
LFF LAP.201 23 TR1	LF 201212

Index Pouches

(measurements in inches, unless specified)

Order #	For Container	Dimensions		
		L	W	H
LFIP.0504	LF 090605, RK 300	0.6	4.8	4.2
LFIP.0705	LF 140806	0.6	7.1	5.0

Label Holder

Order #	For Container
LFLH.400 225	LF 090605, LF 140806, LF 140808, LF 200606, LF 201206, LF 201208, LF 201212, LF 201812

Recessed Grip

- Handle on the back for easier manual handling

Index Cards

- Stock control index cards and labels can be used



Recessed Grip



ZW Divider



Partition Grooves

LF Index Cards

Order #	For Container
LFLBL 110.000	LF 040402
LFLBL 211.000	LF 060503
LFLBL 221.743	LF 090605, LF 140806, LF 140808, LF 201206, LF 201208, LF 201212, LF 291812
LFLBL 341.000	LF 141906
LFLBL 511.000	LF 200606

ZW Dividers

Order #	# Of Divider Grooves	For Container
LFDV 0605	1	LF 090605
LFDV 0503	1	LF 060503
LFDV 0806	1	LF 140806
LFDV 0808	1	LF 140808
LFDV 1906	1-3	LF 141906
LFDV 0606	1	LF 200606
LFDV 1206	1-3	LF 201206
LFDV 1208	1-3	LF 201208
LFDV 1812	1	LF 201212
LFDV 1812	1-3	LF 201812

Cross Divider

Order #	For Container
RKT300.TR1	LF 200606



Ergonomic Pocket Handle

CF Collapsible Containers

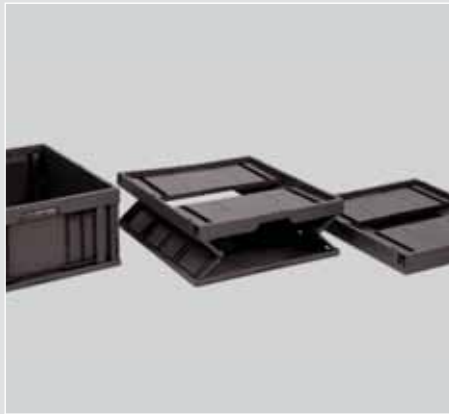
Schaefer introduces a new line of collapsible containers specifically developed for North American shipping standards used by the AIAG.

In addition to the obvious cost savings for return shipments, the new line of containers offers an impressive array of features and advantages.

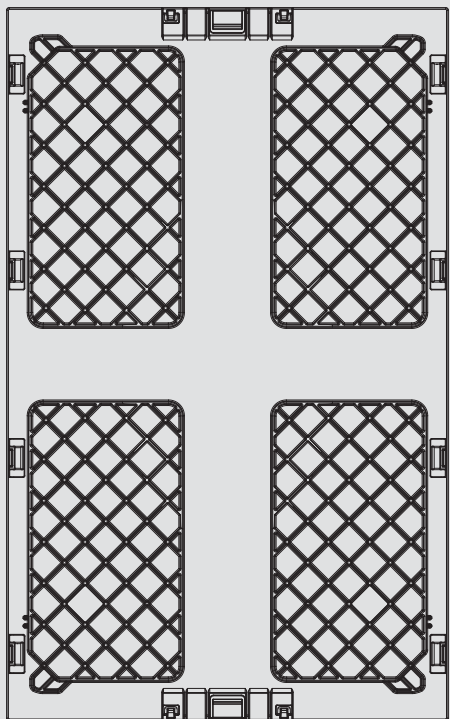
Made of high density polypropylene, they are lightweight and strong. To meet a variety of needs, they are available with three bottom designs. They are compatible with all existing collapsible and stack-only containers on the market. They come with a two-year manufacturer's warranty and are 100% recyclable.



Pallet Load

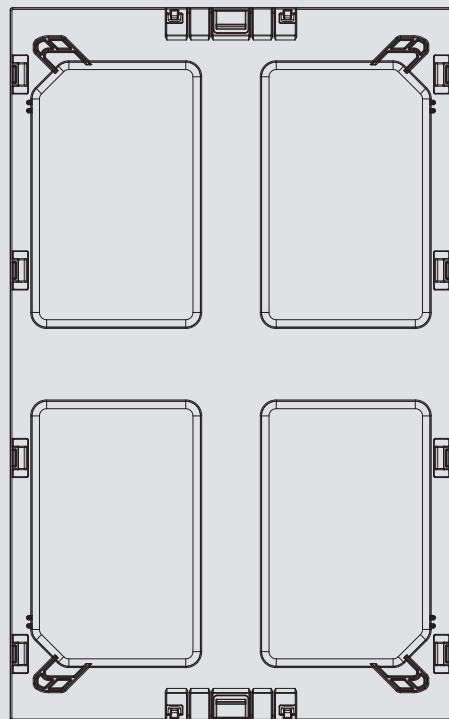


Open to Fully Collapsed



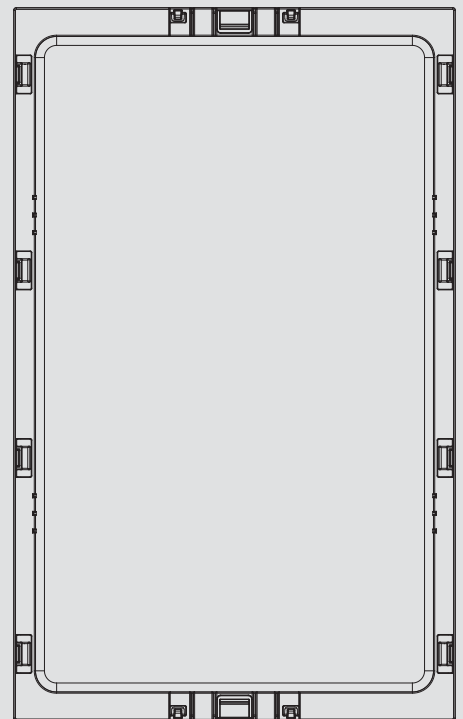
Crosstac™ Bottom

- Designed so that large containers can be stacked on top of small containers or vice versa



Crosspad™ Bottom

- Provides cross-stacking ability with less weight and better contact surface for conveying and more effective internal volume (patented)



Transtac™ Smooth Bottom

- Transtac™ bottom is required for use of flip-top lid

CF Collapsible Container Advantages

- Compatible with Krypto-Lite™ Pallet and Top Cap System, MultiStac™ Top Cap System and other 48 x 45 systems on the market.
- Containers stack with NF and AF Transtac/Crosstac and all compatible straight-wall container systems.
- Attached lids available (minimum order required).
- Equipped with true ergonomic pocket handles.
- Available with placards, plastic cardholders and clips.
- 100% recyclable, including pivot pins. No separation of components necessary.
- Security interlocks on sidewall hinges and lower pivots prevent misalignment of sidewall components to ensure proper function and to maintain engagement if subjected to side impacts.
- Patented end-wall catch is positioned over the pivot to provide support to both top and bottom sidewall components.
- End-wall catches on base component maintain box geometry under loading and minimize stresses on pivots and snap-fits, both of which are failure modes on other box designs in the market place.



Hinged, Interlocking, Half-lids

Standard CF Collapsible Containers (measurements in inches, unless specified)
Crosspad™ Bottoms

Order #	Boxes Per Layer	Outside Dimensions			Inside Dimensions			Weight lbs.	Return Ratio	Capacity Cubic Ft	Truckload Quantity*	
		L	W	H	L	W	H				53ft Trailer Erect	Collapsed
CF 1215-07 AS	12	11.9	14.9	7.5	9.8	13.7	6.9	2.9	2.3	0.5	3744	9360**
CF 2415-07 AP	6	23.9	14.9	7.5	21.9	13.7	6.4	4.1	2.8	1.1	1872	4680
CF 2415-11 AP	6	23.9	14.9	11.0	21.9	13.7	9.9	5.1	4.1	1.7	1248	4680
CF 2415-14 AP	6	23.9	14.9	14.5	21.9	13.7	13.4	6.6	4	2.3	936	4056
CF 2422-07 AP	4	23.9	22.4	7.5	21.9	21.2	6.4	6.2	2.8	1.7	1248	3120
CF 2422-11 AP	4	23.9	22.4	11.0	21.9	21.2	9.9	7.5	4.1	2.7	832	3120
CF 2422-14 AP	4	23.9	22.4	14.5	21.9	21.2	13.4	8.5	4	3.6	624	2704

* Truckload quantities based on double-stacked palletized loads 50" or shorter. Palletized load includes plastic pallet and topcap.

** Due to weight and safety factors, stacking the 1215 footprint boxes to full 50" height is not recommended.

Special Order CF Collapsible Containers (measurements in inches, unless specified)
CF with Attached Flip-top Lids and Transtac™ Bottoms

Order #	Boxes Per Layer	Outside Dimensions			Inside Dimensions			Weight lbs.	Return Ratio	Capacity Cubic Ft
		L	W	H	L	W	H			
CF 1215-07 LS	12	11.9	14.9	8.1	9.8	13.7	7.0	3.8	2.1	0.5
CF 2415-07 LS	6	23.9	14.9	8.1	21.9	13.7	7.0	6.2	2.4	1.2
CF 2415-11 LS	6	23.9	14.9	11.6	21.9	13.7	10.5	7.2	3.5	1.8
CF 2415-14 LS	6	23.9	14.9	15.1	21.9	13.7	14.0	8.7	3.5	2.4
CF 2422-07 LS	4	23.9	22.4	8.1	21.9	21.2	7.0	8.7	2.4	1.9
CF 2422-11 LS	4	23.9	22.4	11.6	21.9	21.2	10.5	10.0	3.5	2.8
CF 2422-14 LS	4	23.9	22.4	15.1	21.9	21.2	14.0	11.0	3.5	3.8

* Inside height based on closed lids.



FK & KB Containers

Designed for any application where empty containers must be stored in minimal space. Ideal for consideration in returnable systems where long transportation distances create the need for containers with the highest return ratio to achieve an economic payback.



FK Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H					
FK 3220	11.9	7.9	8.7	10.3	6.6	8.2	0.32	3.1	2.3	50	500
FK 3220-D*	11.9	7.9	8.7	10.3	6.6	8.6	0.32	2.7	2.8	50	500
FK 4220	15.8	11.9	8.7	14.3	10.6	8.2	0.71	3.1	3.5	50	500
FK 4220-D	15.8	11.9	8.7	14.3	10.6	8.6	0.71	2.7	4.7	50	500
FK 4320	15.8	11.9	12.6	14.3	10.6	12.1	1.06	4.6	4.4	50	500
FK 4320-D	15.8	11.9	12.6	14.3	10.6	12.5	1.06	3.9	5.6	50	500
FK 6220	23.7	15.8	8.7	22.2	14.5	8.2	1.52	3.1	6.1	50	500
FK 6220-D	23.7	15.8	8.7	22.2	14.5	8.6	1.52	2.7	8.1	50	500
FK 6320	23.7	15.8	12.6	22.2	14.5	12.1	2.26	4.6	7.4	50	500
FK 6320-D	23.7	15.8	12.6	22.2	14.5	12.5	2.26	3.9	9.4	50	500
FK 6420	23.7	15.8	16.6	22.2	14.5	16.1	2.97	6.0	8.6	50	500
FK 6420-D	23.7	15.8	16.6	22.2	14.5	16.5	2.97	5.1	10.6	50	500
FK 6300	23.7	15.8	11.9	22.0	14.1	11.4	2.03	4.1	6.5	25	225
FK 8450	31.5	23.7	17.7	29.5	21.6	17.0	6.05	3.3	18.3	35	225
FKLT 6410G	23.6	15.7	11.2	21.0	13.9	19.9	—	—	—	44	—

* Integral hinged lid; LT = Light weight version

KB Collapsible Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Nest Ratio	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H					
KB 4225	15.7	11.8	9.0	14.4	10.0	8.1	0.67	3.7	3.5	33	264
KB 6225	23.6	15.7	9.0	21.8	14.4	8.1	1.48	3.7	6.2	55	264

Note: All specifications are nominal

FK Collapsible Container Advantages

- Seven sizes, four footprints, four heights
- Attached lid options
- Integral label holder where space permits
- Made of polypropylene
- Available in blue and grey
- Compatible with Euro-pallet and 48" x 40" pallet
- Boxes may be interstacked and internested
- Very high return ratios
- Container walls securely latch into place with locking hinges
- Lids may be retrofitted
- Durable and very strong
- Recyclable
- Repairable

KB Container Advantages

- Two sizes, two footprints, one height
- Attached lid standard
- Made of polypropylene
- Available in grey
- Compatible with Euro-pallet and 48" x 40" pallet
- Boxes may be interstacked and internested
- High nest ratio
- Durable and strong
- Recyclable
- Repairable

FK Lids

Order #	For Container
EFD 3224	FK 8450



FK Containers in Use



Available with either an open grip...



...closed grip...



...or with bars integrated into the grip

How to Use FK Containers

- Folded FK box
- Pull up on the upper edge until sides are straight
- Depending on the size of the container, either one or both front panels swing down; for larger containers, one panel folds upward

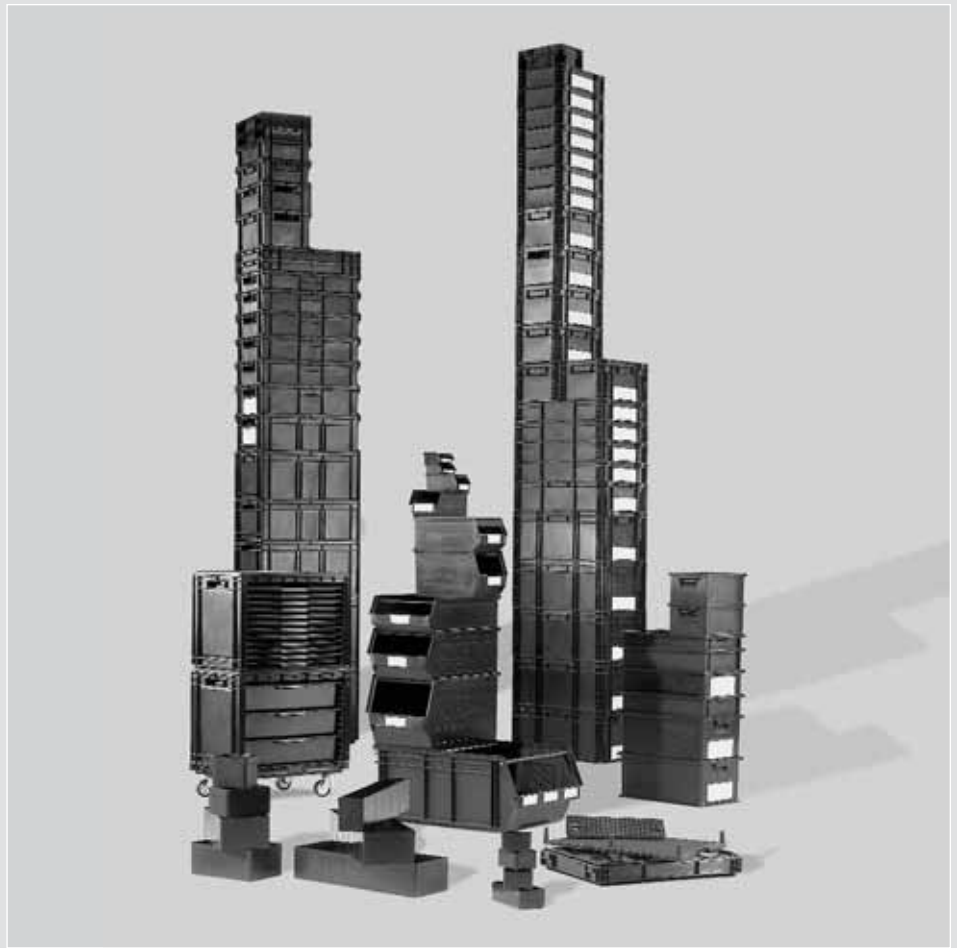


Conductive Containers

These containers are molded with a conductive carbon-filled polypropylene material which protects sensitive electronic components from electrostatic fields or induced fields. Conductive materials provide a barrier which these fields cannot penetrate. Container styles molded in conductive material include the Euro-Fix line. When these containers are used with conductive lids, you achieve the highest level of protection. Containers are permanently conductive and unaffected by washing with normal cleansers.

Technical Specifications

Electrical Properties Normal polypropylene	Conductive Containers
Specific Volume Resistance 10^{18} Ohm inch	Approximately 50 Ohm inch
Specific surface Resistance 10^{14} Ohm inch	Approximately 10^3 Ohm inch



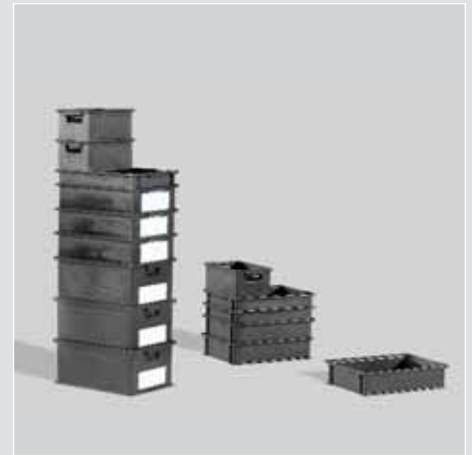
Conductive Euro-Fix Containers

- Material has been added for extra strength
- Spacing, number and thickness of ribs add even more strength and years of life to the container
- Designed for high cube utilization
- Interstack on a pallet
- Optional stacking collar adds 3" to 24" x 16" containers
- Closed handholds



Conductive 14/7 Hopper Front Containers

- Accessible when stacked
- Label holders



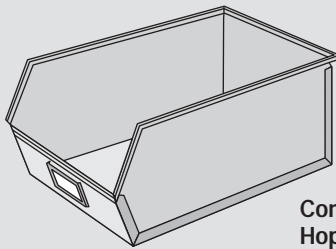
Conductive 14/6 Stackable Transport Containers

- Lightweight and durable
- Interstackable with the 14/7 container series

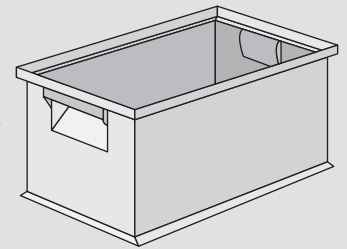
Conductive Euro-Fix Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L*	W*	H				
EF 4120 PP3	15.8	11.9	4.8	13.9	10.0	4.1	0.38	2.0	55	1320
EF 4140 PP3	15.8	11.9	5.6	13.8	9.9	4.5	0.45	2.0	55	1320
EF 4170 PP3	15.8	11.9	6.7	13.8	9.9	5.7	0.55	2.6	55	1320
EF 4220 PP3	15.8	11.9	8.7	13.8	9.9	7.7	0.71	3.2	55	1320
EF 6070 PP3	23.7	15.8	3.0	21.8	13.9	2.3	0.50	3.0	55	1320
EF 6120 PP3	23.7	15.8	4.8	21.7	13.8	3.7	0.82	3.8	55	1320
EF 6140 PP3	23.7	15.8	5.6	21.7	13.8	4.5	0.97	4.0	55	1320
EF 6150 PP3	23.7	15.8	6.0	21.7	13.8	5.0	1.04	4.3	55	1320
EF 6180 PP3	23.7	15.8	7.1	21.7	13.8	6.1	1.25	4.8	55	1320
EF 6220 PP3	23.7	15.8	8.7	21.6	13.8	7.7	1.54	6.1	55	1320
EF 6240 PP3	23.7	15.8	9.5	21.7	13.8	8.5	1.68	5.7	55	1320
EF 6280 PP3	23.7	15.8	11.3	21.6	13.8	10.2	2.00	6.7	55	1320
EF 6320 PP3	23.7	15.8	12.6	21.7	13.8	11.6	2.25	7.6	55	1320
EF 6420 PP3	23.7	15.8	16.6	21.6	13.8	15.5	2.96	9.9	55	1320

* Bottom



**Conductive 14/7
Hopper Front Container**



**Conductive 14/6
Stackable Transport Container**

Conductive 14/7 Hopper Front Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.
	L	W	H	L	W	H			
147.201206 N PP3	20.1	12.5	5.8	19.7	11.9	5.1	0.57	2.5	22
147.201208 N PP3	20.1	12.5	7.9	19.7	11.9	7.2	0.81	3.5	22
147.201212 N PP3	20.9	12.5	11.8	20.5	11.9	11.1	1.31	4.6	22
147.140808 N PP3	13.8	7.9	7.9	13.8	7.9	7.2	0.35	1.9	22
147.140806 N PP3	13.8	7.9	5.8	13.8	7.9	5.2	0.25	1.4	22
147.090605 L PP3	9.3	5.8	4.8	9.1	5.6	4.2	0.09	0.6	11
147.060403 L PP3	6.5	4.2	3.0	6.3	3.8	2.4	0.03	0.2	11
147.030402 LM PP3	3.8	4.0	2.0	3.4	3.8	1.4	0.01	0.1	11
147.03402 L PP3	3.8	4.0	2.0	3.4	3.8	1.4	0.01	0.1	11

Conductive 14/6 Stackable Transport Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.	Recommended Load lbs.	Maximum Stack Load lbs.
	L	W	H	L	W	H				
1462.191302 PP3	18.4	12.5	2.9	17.8	11.9	2.2	0.25	1.8	22	440
1462.191304 PP3	18.4	12.5	4.2	17.8	11.9	3.5	0.36	2.3	22	440
1462.191305 PP3	18.4	12.5	4.6	17.8	11.9	4.0	0.42	2.4	22	440
1462.191308 PP3	18.4	12.5	7.9	17.8	11.9	7.2	0.74	3.2	22	440
1462.191312 PP3	18.4	12.5	11.9	17.8	11.9	11.1	1.17	4.5	22	440
1463.130906 PP3	12.3	8.3	5.8	11.9	7.9	5.1	0.25	1.4	22	220

Conductive Containers

Conductive Sub-Container

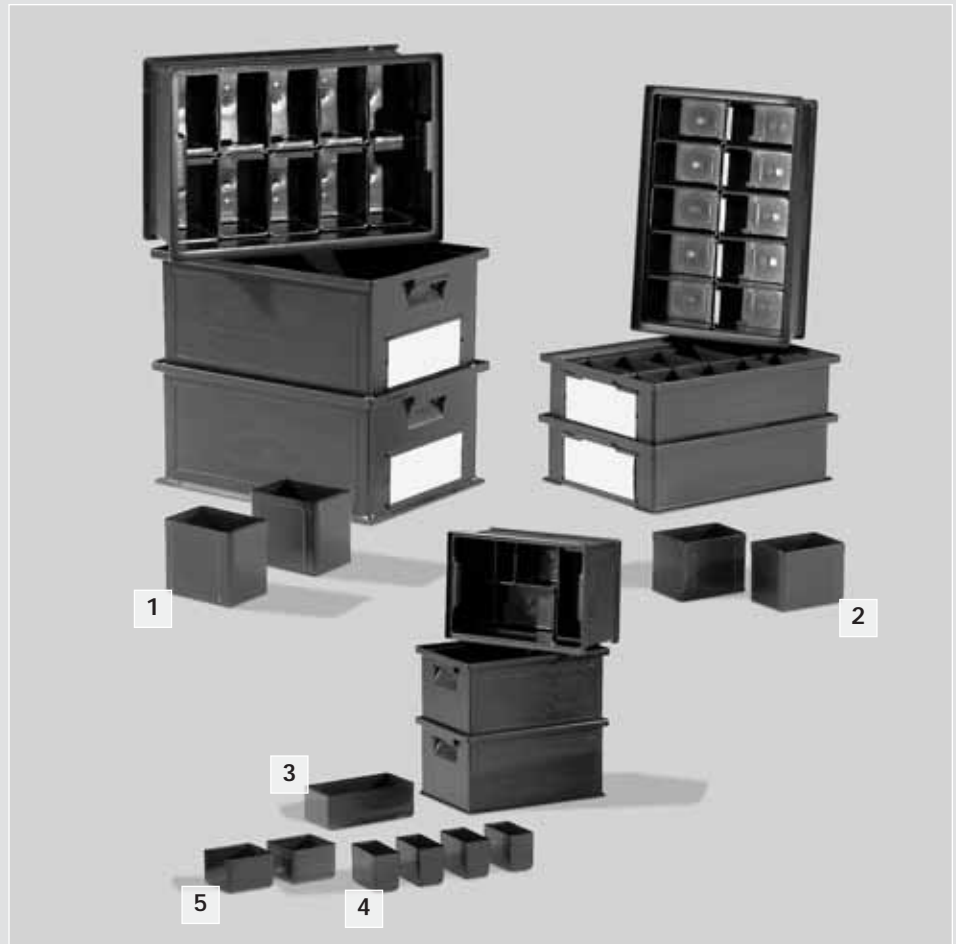
- Made of conductive polypropylene
- Organize small components
- Available in a variety of compatible sizes
- Equipped with lip for easy removal
- EK 050304 through EK 220604 are compatible with the following Euro-Fix containers: EF 6180, EF 6150, and EF 6140

Conductive Sub-Containers

(measurements in inches)

Order #	Outside Dimensions		
	L	W	H
EK 070302 PP3	7.1	3.8	2.4
EK 050304 PP3	5.4	3.5	4.4
EK 050303 PP3	5.4	3.5	3.8
EK 060505 PP3	6.9	5.4	4.4
EK 060503 PP3	6.9	5.4 <td 3.8	
EK 110604 PP3	10.8	6.9	4.4
EK 110603 PP3	10.8	6.9	3.8
EK 220304 PP3	21.7	3.5	4.4
EK 220303 PP3	21.7	3.5	3.8
EK 220604 PP3	21.7	6.9	4.4
EK 220603 PP3	21.7	6.9	3.8
EK 030402 PP3	3.6	3.8	2.4
EK 030202 PP3	3.6	1.9	2.4

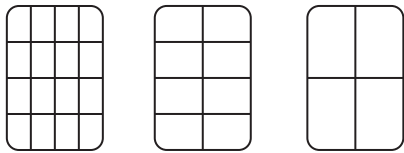
Note: All specifications are nominal



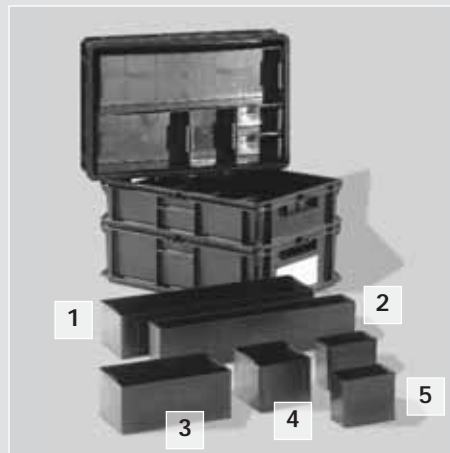
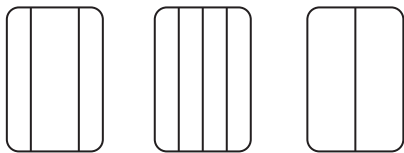
1 EK 050304 2 EK 220303 3 EK 070302 4 EK 030202 5 EK 030402

Arrangements of Sub-Containers for 24" x 16" Euro-Fix

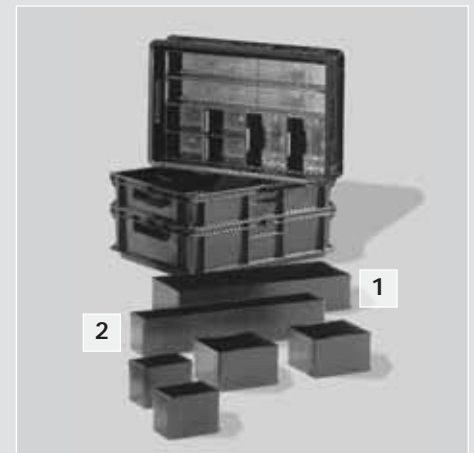
16x EK 050304 8x EK 060505 4x EK 110604



1x EK 220604 4x EK 220304 2x EK 220604
2x EK 220304



1 EK 220604 3 EK 110604 5 EK 050304
2 EK 220304 4 EK 060505

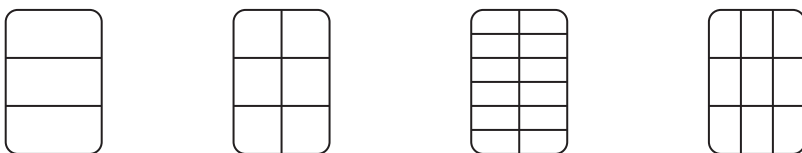


1 EK 220603 2 EK 220303

Arrangements of Sub-Containers for 14/6 & 14/7 Containers

3x EK 070302
Fits 1463.130906 PP3

6x EK 030402
Fits 1463.130906 PP3





1 LP 2 2 Printofix Tray



1 LPL 1 2 LPL 2 3 LPW 1



Conductive Container Accessories
Conductive Pyramid Trays

- For storing and transporting PCBs and semi-conductors
- Made from conductive black polypropylene
- Surface provides protection to the underside of the circuit board
- Trays fit all 24" x 16" Euro-Fix containers

Conductive Printo-Fix Trays

- Can be customized to fit specific applications
- Stack when full and nest when empty
- Conductive polystyrene trays for 16" x 12" containers are available

Special Inserts

- Interlocking dividers provide an economical method of creating cells
- Smallest possible cell is 0.75" x 0.75"
- Cell size can increase in increments of 0.75"

Special Stackable Inserts

- Made of conductive polystyrene
- Grooves are provided for vertical storage of PCBs
- Ideal for component assembly stations
- Can be used alone
- Inserts are compatible with 16" x 12" Euro-Fix containers

Conductive Container Accessories (measurements in inches)

Order #	Description	Dimensions		
		L	W	H
LP 2CB PP3	PCB Holder	14.0	9.75	0.5
LPL 1 PP3	Tilt PCB Holder	10.9	8.2	3.7
LPL 2 PP3	Tilt PCB Holder	14.0	10.5	5.2
LPW 1 WH1	Tilt PCB Holder	10.9	8.2	3.7
LPW 2 WH1	Tilt PCB Holder	14.0	10.5	5.2
QTK308PL PP3	Divider Set	10.0	3.2	—
QTK314PL PP3	Divider Set	10.0	5.6	—
LTK608PL PP3	Divider Set	21.8	3.2	—
LTK614PL PP3	Divider Set	21.8	5.6	—
LQTK408PL PP3	Divider Set	13.9	3.2	—
LQTK414PL PP3	Divider Set	13.9	5.6	—
EFTFPT PP3	Pyramid Tray	21.3	13.5	2.5
EFR 6070 PP3	Stacking Collar	24.0	16.0	3.0



Conductive Lids

Conductive Lids (measurements in inches)

Order #	Fits Containers	
	L	W
EF D 43 PP3	16	12
EF D 64 PP3	24	16

ESD Containers

Schaefer has a complete line of Static Dissipative products to prevent ESD damage to your valuable electronics during production, shipping and storage.

Containers manufactured in ESD materials protect their 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, preventing product damage.

Schaefer ESD safe systems are permanently static dissipative in the most desired range of 10^6 to 10^9 ohms/sq using only one to two percent carbon black.

Schaefer Static Dissipative containers are superior to conductive containers, which pose a high risk from uncontrolled static discharges. When containers are used with lids and interior divider sets, the highest level of protection is achieved.

Container systems are available in a variety of sizes and footprints. Static Dissipative divider sets are custom designed to meet your exacting requirements. All containers are returnable, reusable and recyclable. They are permanently unaffected by washing and wear.

For additional information on how to protect your electronic components from electrostatic damage call your Packaging Specialist.



Schaefer containers made from static dissipative materials offer:

- Permanent ESD Protection with infinite shelf life for the container and its contents
- Rapid and consistent decay rate that is unaffected by environmental conditions
- Humidity independent
- High heat deflection temperature
- Clean room compatible: low outgassing, low ionic contamination
- Minimal sloughing as compared to standard carbon based materials, 1% to 2% carbon vs. up to 20% for conductive carbon filled

Container systems are available in a variety of sizes:

- Compatible with 48" x 45" pallet system
- Heights from 4" to 14"
- Solid walls and textured bottoms
- Ergonomic handles on adjacent sides
- Fingertip handles on adjacent sides
- Meet all NAFTA specifications
- Returnable, reusable, recyclable

Accessories include:

- Placards
- Card holders
- Recessed lids
- Permanent hot stamping of your company name

Schaefer designs and produces interior packaging of Static Dissipative materials. Plastic corrugated, vacuumed formed trays, injection molded divider sets or dissipative foam is available to complete your packaging requirements.



Static Dissipative Interior Dunnage

ESD Containers* (measurements in inches)						
Order #	Outside Dimensions			Inside Dimensions		
	L	W	H	L	W	H
AF 1207.5 BK8	12.14	7.09	5.06	9.44	5.08	4.3
AF 1215.5 BK8	12.14	15.18	5.06	9.44	13.10	4.3
AF 1215.7 BK8	12.14	15.18	7.59	9.44	13.10	6.7
AF 1215.9 BK8	12.14	15.18	9.59	9.44	13.10	8.9
AF 2415.5 BK8	24.28	15.18	5.06	21.50	13.05	4.3
AF 2415.7 BK8	24.28	15.18	7.59	21.50	13.05	6.9
AF 2415.9 BK8	24.28	15.18	9.61	21.50	13.05	8.9
AF 2415.11 BK8	24.14	15.05	11.01	21.50	13.05	10.3
AF 2415.14 BK8	24.14	15.05	14.64	21.50	13.05	13.9
AF 2422.7 BK8	24.14	22.62	7.37	21.50	20.57	6.7
AF 2422.8 BK8	24.14	22.62	8.79	21.50	20.57	8.1
AF 2422.9 BK8	24.14	22.62	9.59	21.50	20.57	8.9
AF 2422.11 BK8	24.14	22.62	11.01	21.50	20.57	10.3
AF 2422.14 BK8	24.14	22.62	14.64	21.50	20.57	13.9

NF sizes can also be manufactured in ESD. See NF section for sizes.

* AF sizes shown in table

SB BulkStac™ Containers

BulkStac™ is lighter than comparable boxes on the market. The base achieves its rigidity with periphery runners only. This eliminates the need for a center foot which can deflect downward and damage product in the container below.

Sidewalls snap onto the base for easy replacement. Doors are available on all four sides of 34" boxes; available on 2 sides of 25" boxes.

Industry Best!

12.75" collapsed height allows stacks of 9 high on truck (234 p/truck).

Compared to boxes that fit only 208 p/truck (8 high stacks), BulkStac™ offers 12.5% freight savings, eliminating a full truckload of returns every 8th load.

Industry Best!

33.8 and 25.6" erect heights provide maximum utilization of truck volume.

The BulkStac™ base is designed to prevent splitting of corner feet under load, which is a failure mode of comparable boxes on the market.

The flat deck provides more usable internal cube than comparable boxes on the market. The solid deck floor eliminates the expense of divider pad to cover an open-grid deck floor.

Industries That May Benefit

Agriculture, Appliance, Automotive, Consumer goods, Industrial Equipment and others.



SB BulkStac™ Features

- Wider access door openings than comparable boxes on the market
- Banding slots on 45" walls
- Large ID tag on base center foot on 48" side = 9.0 x 3.3"
- Large 5.25 x 13.5" label area per wall – accepts two placards side-by-side or a KanBan cardholder
- Fill line mark 1" below top rim
- Rated for 2,000 lb. loads
- Integrated door hinges using injection molded push pins for easy replacement



Collapsed & Open Access Doors



Stacked and in Collapsed Position

SB BulkStac™ Containers (measurements in inches, unless specified)

Order #	Outside Dimensions			Inside Dimensions				Dome Height	Volume		Deck Height	Collapsed Height	Nesting Depth
	L	W	H	L	W	H	Fill Line		ft ³ Inside	ft ³ To Fill Line			
SB 4845-25	48.0	45.0	25.6	44.5	41.5	19.6	18.6	None	20.9	19.9	6	12.75	1
SB 4845-34	48.0	45.0	33.8	44.5	41.5	27.8	26.8	None	29.7	28.6	6	12.75	1

	In-Truck Stack Height		Access Door Openings				Tare Weight	Truckload Quantity	
	H Erect	H Collapsed	W 48" Side	H 48" Side	W 45" Side	H 45" Side	lbs.	53 ft Trailer	
SB 4845-25	99.4 (4 High)	106.7 (9 High)	27.6	11.5	N/A	N/A	93	104	234
SB 4845-34	99.4 (3 High)	106.7 (9 High)	31.9	15.4	27.6	11.5	117	78	234

SB BulkStac™ Snap-in Fixed Wall Height Extensions

As Height Extensions: Parts have snap-in bottom edge and hinge elements on top rim. Extensions snap onto base and then folding BulkStac™ walls snap onto them. Extensions also allow for dunnage storage. Three sizes: 8, 11 and 16".

As Fixed Walls: Parts have a smooth top edge so when snapped onto the base, they make a fixed wall container. Two sizes: 8 and 11".

SB BulkStac™ Height Extensions (measurements in inches, unless specified)

4845-25 Height Extensions	8.25	11.44	16.22
New Container Height	33.8	37.1	41.7
Stacks in Truck	3.0	2.0	2.0
Fill Line Height	26.8	31.1	34.7
4845-34 Height Extensions	8.25	11.44	16.22
New Container Height	42.1	45.3	50.0
Stacks in Truck	2.0	2.0	2.0
Fill Line Height	35.1	38.3	43.0
Fixed Wall Container	8.28	11.55	
Height of Container	17.4	20.7	
Stacks in Truck	6	5.0	
Fill Line Height	10.4	13.7	



Collapsed Extended Height Container



Extended Height 42" Tall



Label Option: ID Plate 3x3" up to 9x3"

Steel Containers

Schaefer began over 50 years ago as a producer of steel shelving and containers. The 14/7 and 14/6 containers are the genesis of Schaefer's plastic materials handling business. Although steel containers were originally designed for general industrial use, today they are often used in heavy-duty applications and are exposed to extreme temperature variations. Steel containers are extremely strong. The galvanized containers will not rust. Accessories include covers and front label holders.



14/6 Stack Only & 14/7 Hopper Front Steel Containers

Steel 14/6 Containers (measurements in inches, unless specified)

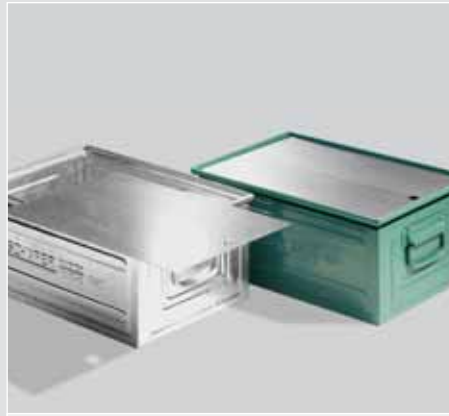
Order #	Outside Dimensions			Inside Dimensions			Capacity Cubic Ft	Tare Weight lbs.
	L	W	H	L	W	H		
146.080605 GV1	8.3	5.9	5.1	7.3	4.9	4.7	0.12	1.7
146.130906 GV1	12.6	8.7	5.9	11.6	7.7	5.5	0.31	4.5
146.191304 GV1	18.7	12.6	4.2	17.7	11.6	3.8	0.44	6
146.191305 GV1	18.7	12.6	4.7	17.7	11.6	4.3	0.53	9
146.191308 GV1	18.7	12.6	7.9	17.7	11.6	7.5	0.88	10
146.191312 GV1	18.9	12.6	11.8	17.9	11.6	11.4	1.23	13
146.261912 GV1	26.0	18.9	11.8	25.0	17.9	11.4	2.82	20
146A.201208 GV1	20.7	12.6	7.9	19.7	11.6	7.5	0.97	11
146.140807 GV1	14.6	8.7	7.9	13.6	7.7	7.5	0.46	13

For enameled finish replace "GV1" in order number with "PT1"
 Note: All specifications are nominal

Steel Containers

14/6 Steel Containers

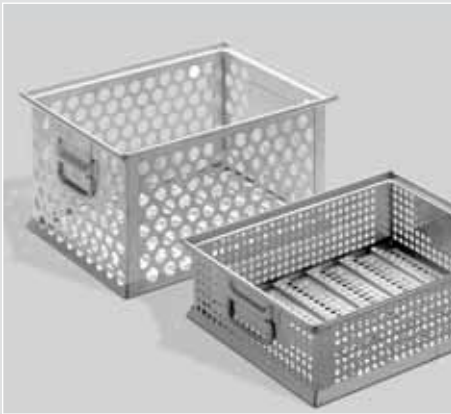
- Galvanized or enameled finish
- Loop handles
- Ventilated containers (call for minimum quantities)
- Extremely strong, 6,600 lbs. max. stacking load
- Durable
- Stackable with 14/7 series of containers



Steel Lids



Steel Lids



Ventilated Steel Containers



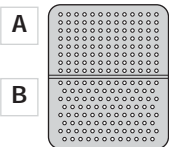
Ventilated Steel Containers Exiting A Cleaning Machine

Ventilated Steel Containers

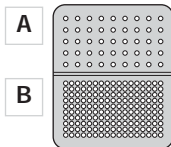
To save on costs, goods can be washed, stored and transported in the same container. Standard perforation patterns shown below. Other patterns available; minimum quantities apply.

Ventilated Steel Containers

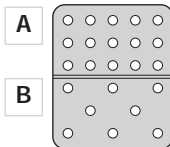
Pattern 110
Hole Diameter 0.1181"



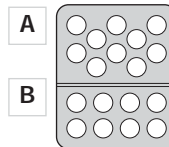
Pattern 112
Hole Diameter 0.1378"



Pattern 114
Hole Diameter 0.3938"



Pattern 119
Hole Diameter 0.9451"



AIAG Compatible Pallets & Top Caps

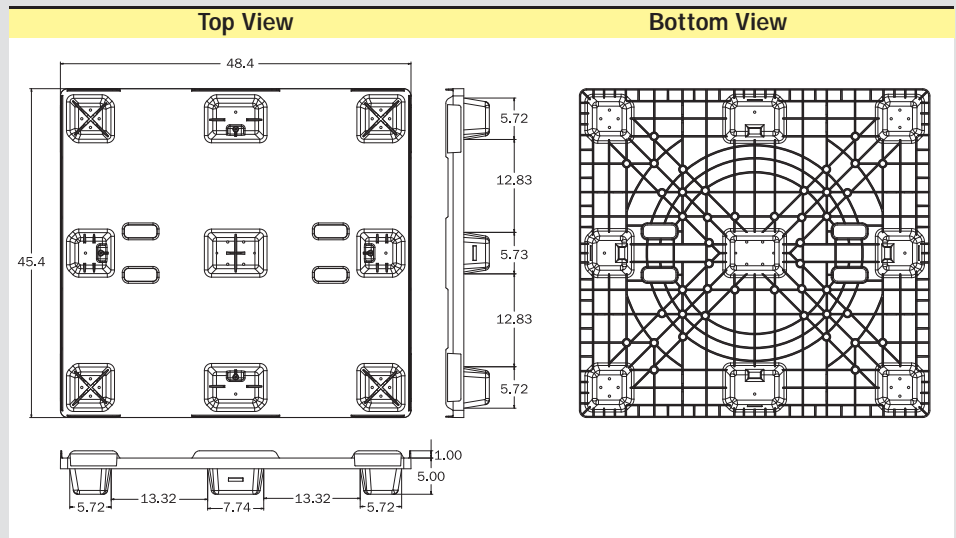
48 x 45 Pallets

AIAG pallets have 48 x 45" usable deck dimensions with 4-way pallet jack and forklift entry, smooth deck with 4-sided retaining lip, seat belt option and are nestable for efficient storage.

NF Pallet - Krypto-Lite™

Schaefer introduces the Krypto-Lite™ automotive pallet. The Krypto-Lite™ exhibits the strength, stiffness and deflection performance of the mid-duty 4845 pallets, but with 25% less weight.

- Weighing under 32 lbs, it can be lifted by a single worker.
- Made from 100% recycled material.
- Tested for superior stiffness and impact resistance.



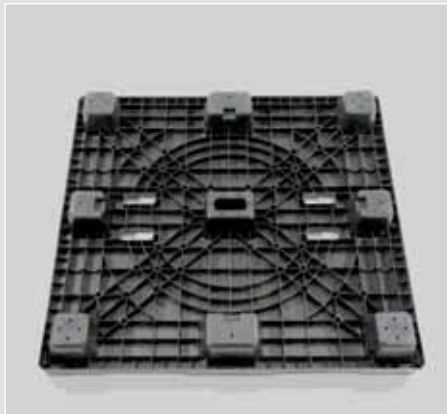
Though Krypto-Lite is shown, above dimensions apply to both the Krypto-Lite and AF Pallet.

AF Pallet

The AF pallet is the original industry standard plastic pallet. Made of structural foam, it is rugged and durable.



Krypto-Lite Top View



Krypto-Lite Bottom View



Bottom of AF Pallet

Krypto-Lite™ Pallet (measurements in inches, unless specified)

Order #	Description	Dimensions				w/Lip	Weight lbs.	Truckload Quantity
		L	W	H				
NFP 4845.000 BK4	Pallet Only	48.40	45.40	5.00	6.00	32	860	
NFP 4845.2SB BK4	2 Seat Belt Assemblies	48.40	45.40	5.00	6.00	32	860	
NFP 4845.4SP BK4	4 Seat Belt Assemblies	48.40	45.40	5.00	6.00	32	860	

AF Pallets (measurements in inches, unless specified)

Order #	Description	Dimensions				w/Lip	Weight lbs.	Truckload Quantity
		L	W	H				
AFP 4845.BKS	Pallet Only	48.75	45.75	5.00	6.00	38	860	
AFP 4845.2SB BK4	Seat Belt Assembly on 45" Side	48.75	45.75	5.00	6.00	40	860	
AFP 4845.2SB BK4	Seat Belt Assembly on 48" Side	48.75	45.75	5.00	6.00	40	860	
AFP 4845.4SB BK4	4 Seat Belt Assemblies	48.75	45.75	5.00	6.00	42	860	

AIAG Compatible Pallets & Top Caps

48 x 45 Top Caps

The AIAG top caps have a 48 x 45" usable dimension and are used to top off a palletized set of bins or an AIAG bulk box. The top caps allow secure multi-level stacking of loads. They have provisions for strapping or seat belts and nest for efficient storage.

NF Top Cap - MultiStac™

Schaefer introduces the MultiStac™ automotive topcap. Molded of 100% recycled material, the MultiStac™ is designed to work with palletized bins, bulk boxes and steel racks. This compatibility allows for mixed loading and storage, allowing maximum flexibility for staging components.

Limitations: A MultiStac™ on a bulk box cannot accept a load of palletized bins and it is never to be used on top of a steel rack. The different allowable stacking configurations are listed below the NF Top Cap table.

AF Top Cap

The AF top cap is vacuum-formed and will accept seat belt buckles. It is designed to work with both the AIAG 4845 pallets and Schaefer's NFP 4524 half pallets (see next page).



MultiStac™ accepts multiple 9 and 18 foot pallets, banding and seat belt buckles.



MultiStac™ shown in use with a bulk box and steel rack.

NF Top Caps (measurements in inches, unless specified)

Order #	Description	Dimensions			Weight lbs.
		L	W	H	
NFT 4845	Top Cap Only	48.6	45.6	2.7	16
NFT 4845.2SBA BK3	Seat Belt Assembly on 45" Side	48.6	45.6	2.7	16
NFT 4845.2SB BK3	Seat Belt Assembly on 48" Side	48.6	45.6	2.7	16
NFT 4845.4SB BK3	4 Seat Belt Assemblies	48.6	45.6	2.7	16

Note: Nest ratio = 1.6

If bottom layer = palletized bins

Top layer options = palletized bins, bulk box, steel rack

If bottom layer = bulk box

Top layer options = bulk box, steel rack

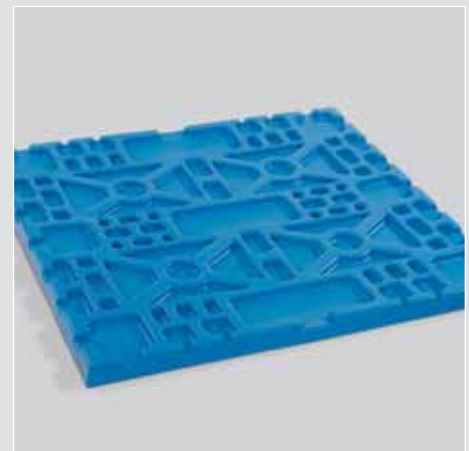
AF Top Caps (measurements in inches, unless specified)

Order #	Description	Dimensions			Weight lbs.
		L	W	H	
AFT 4845	Top Cap Only	48.75	45.75	1.50	20
AFT 4845.2SBA BK3	Seat Belt Assembly on 45" Side	48.75	45.75	1.50	20
AFT 4845.2SB BK3	Seat Belt Assembly on 48" Side	48.75	45.75	1.50	20
AFT 4845.4SB BK3	4 Seat Belt Assemblies	48.75	45.75	1.50	20

Note: Dimensions are the same with .BK3, but weight is 32 lbs.



AF Top Cap





Thermoformed Half Pallet & Top Cap

AIAG Compatible Pallets & Top Caps

NFP 4524 Half Pallet and Half Top Cap

The AF Half Pallet and Top Cap are designed to provide maximum flexibility within the 48" x 45" footprint. In conjunction with our AF line of totes, this half pallet system serves as a smaller, more maneuverable delivery system for inventory within storage and assembly facilities. Utilized with the cardboard or plastic corrugated sleeves, the half pallet system is ideal for applications that do not require the strength nor the volume of a collapsible bulk box.

For storage convenience, this duo mixes seamlessly with 4845 palletized loads: two AF Half Pallets will fit side-by-side on an AFT 4845.



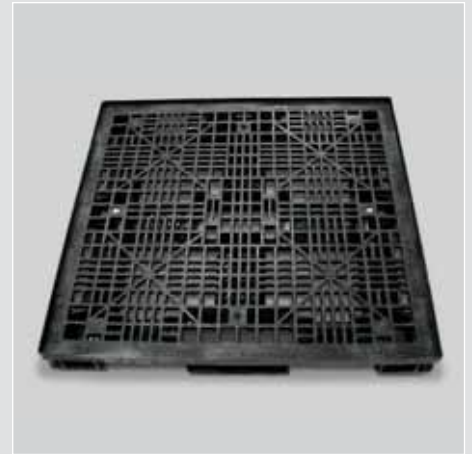
AFT 4524



AFP 4524

SI Series Heavy Duty Pallet & Top Cap (AIAG)

Heavy-duty structural foam pallet and top cap designed to be compatible with Schaefer's AIAG compatible containers. Standard 4-way fork entry, with optional two or four seat belt assembly. AIAG compatible.



SI Series Pallets & Top Caps (measurements in inches, unless specified)

Order #	Description	Outside Dimensions		Inside Dimensions		Height	Weight lbs.	Truckload Quantity 48 ft Trailer
		L	W	L	W			
SIP4845.000.BK3	No Seat Belts	48.88	45.81	48.13	45.13	5.75	65	408
SIP4845.5SB.BK3	Seat Belt on 45" Side	48.88	45.81	48.13	45.13	5.75	65	408
SIP4845.8SB.BK3	Seat Belt on 48" Side	48.88	45.81	48.13	45.13	5.75	65	408
SIP4845.4S8.BK3	Seat Belt on All Sides	48.88	45.81	48.13	45.13	5.75	65	408
SIT4845.000.BK3	Top Cap	48.88	45.81	48.13	45.13	—	35	1200

KFB 48" x 40" Pallet & Top Cap

Sized to fit Schaefer KFB Containers. For details see KFB Containers.

KFP Top Cap (measurements in inches)

Order #	Dimensions		
	L	W	H
KFT 6527	48.57	40.88	2.38



KFP Pallet (measurements in inches)

Order #	Dimensions			Net Ratio	Tare Weight lbs.	Dynamic Load lbs.	Static Load lbs.
	L	W	H				
KFP 6527	47.75	39.75	6.00	4	12	1600	6400

TransPak

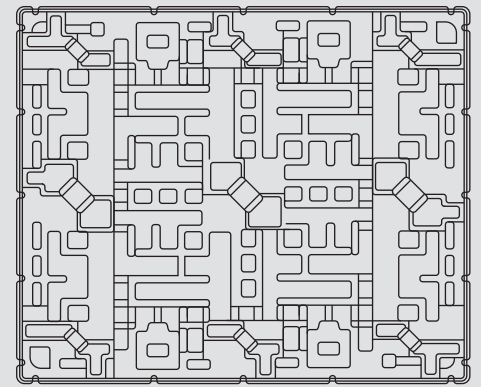
Our reusable self-palletized shipping container is a rugged cost-effective system designed for the handling and storage of work in process and finished goods. Ideal for use in a controlled loop environment, the pallets are lightweight and functional for hundreds of trips.

- Increased production
- Reduced packing cost
- Protects contents and ends product damage
- Ship and store more product in less space
- Reduced labor costs
- Fewer pallets required in inventory
- Custom sizes available
- Four-way entry



Pallets .250 Gauge (measurements in inches, unless specified)

Order #	Outside Dimensions		Inside Dimensions		Weight lbs.	Truckload Quantity	Dynamic Load Capacity lbs.	Static Load Capacity lbs.
	L	W	L	W				
TP 3244	32.00	44.00	31.75	43.75	12.0	1700	1000	5000
TP 4048	40.00	48.00	40.25	47.88	16.5	1400	1000	5000
TP 4448	44.00	48.00	43.63	47.25	18.0	1200	1000	5000
TP 4548	45.00	48.00	45.25	47.88	18.5	1200	1000	5000
TP 4454	44.00	54.00	43.75	54.00	25.5	1000	1000	5000



TransPak Advantages

- Designed for one person set up and breakdown
- Increased storage space and reduced freight cost
- Can be stored or handled from any direction
- Provides vertical support. Prevents lateral shifting
- Top and bottom pallets are interchangeable
- Maximizes trailer cube and storage space
- No solid waste or disposal problems
- Handles under the reinforced rim
- Made of polyethylene

TransPak Features

- Lightweight
- Stackable
- Nestable
- 4-way entry
- Interlocking pallet legs
- Mirror image design
- 100% recyclable
- Stock pallets available

TransPak Options

- Custom colors, stripes or logos
- Drop gates or split sleeves
- Locking clips for secure closure
- Steel reinforced sleeves for stacking strength and stability
- Custom dunnage and partitions available

Free-Standing Racks

- Welded steel frame, gray baked enamel
- Adjustable, easy to clip on galvanized rails for holding containers
- Available in single and double-sided versions
- Dimensions for single-sided rack: 40.07" W x 76.77" H x 15.74" D
- Dimensions for double-sided rack: 40.07" W x 76.77" H x 31.5" D



Free-Standing Racks

Order #	Description	Holds Containers*
FSR 500-E	Single-sided	150 - LF 060503
FSR 500-D	Double-sided	300 - LF 060503
FSR 400-E	Single-sided	77 - LF 090605
FSR 400-D	Double-sided	154 - LF 090605
FSR 310-E	Single-sided	50 - LF 140806
FSR 310-D	Double-sided	100 - LF 140806
FSR 450-E	Single-sided	70 - LF 060503, 42 - LF 090605
FSR 450-D	Double-sided	140 - LF 060503, 84 - LF 090605
FSR 345-E	Single-sided	50 - LF 060503, 28 - LF 090605, 15 - LF 140806
FSR 345-D	Double-sided	100 - LF 060503, 56 - LF 090605, 30 - LF 140806

* Containers must be ordered separately

Free-Standing Racks

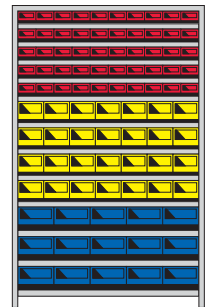
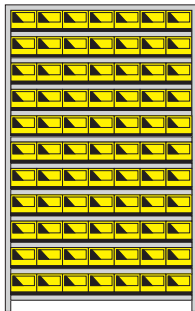
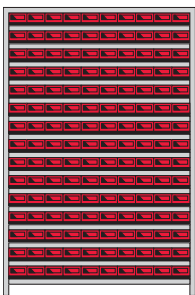
FSR 500

FSR 400

FSR 310

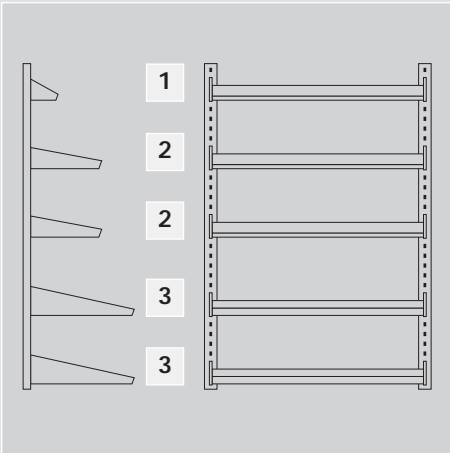
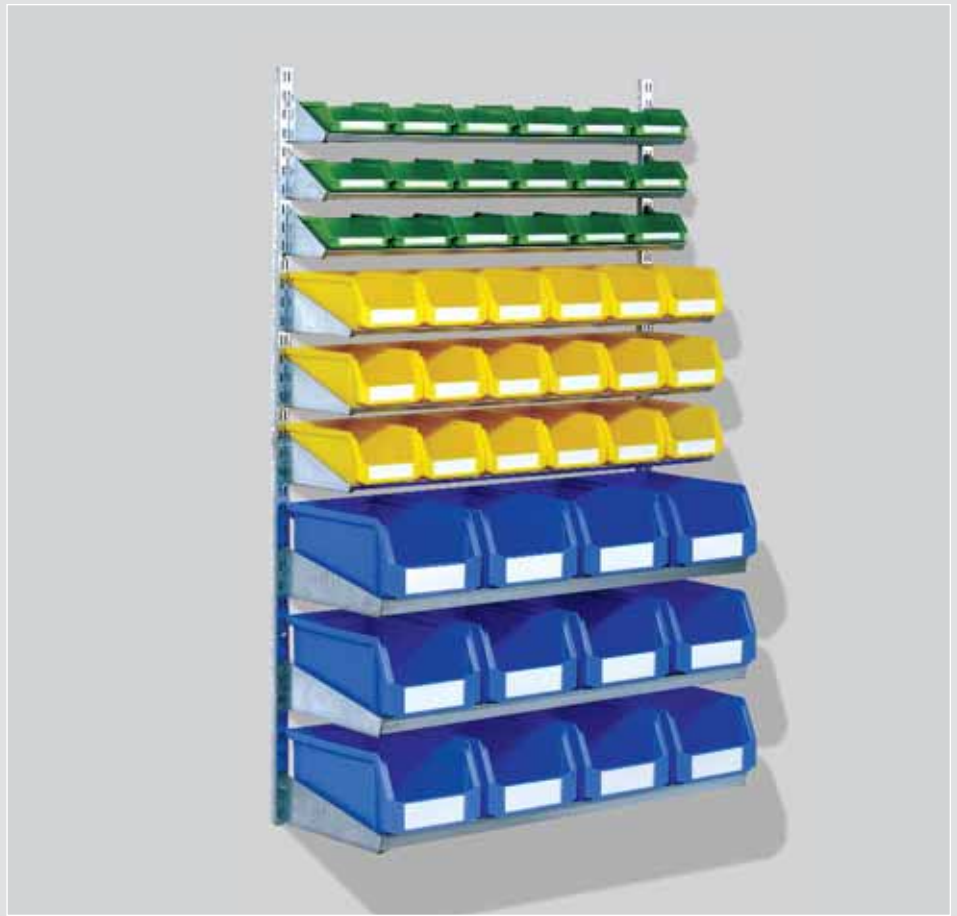
FSR 450

FSR 345



Wall Systems

Designed to provide a low-cost alternative for high-volume small parts storage, the wall system can be extended as required. The basic unit is 40" high by 25" wide. Trays are available in three different depths to accept containers in matching sizes.



1 FWC 2 FWB 3 FWA

Free-Standing Racks

Order #	Description	Holds Containers*	Size
FWS	Wall System	—	39.37 High
FWC	Tray, Galvanized, Slotted	6 - LF 040402 Containers	3.93 Deep
FWB	Tray, Galvanized, Slotted	6 - LF 060503 Containers	6.10 Deep
FWA	Tray, Galvanized, Slotted	4 - LF 090605 Containers	8.66 Deep

* Containers must be ordered separately