

Caster-Rack

Systems Ltd.



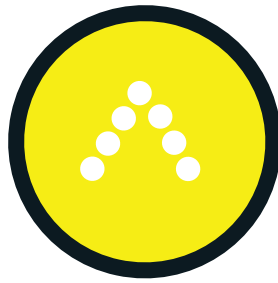
materials handling, storage & transport

INTEGRATED SOLUTIONS

SSI SCHAEFER 

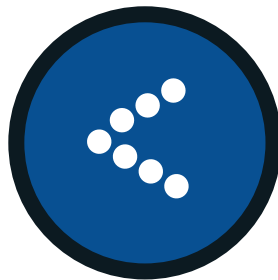
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MC 4



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SHELVING SYSTEMS



CONTAINER SYSTEMS



PALLETS & TOP CAPS



PLANT & SHOP EQUIPMENT



WASTE/RECYCLING SYSTEMS



WORLDWIDE CAPABILITIES





Schaefer Canada, Brampton



**Strong.
Smart.
Schaefer.**

Top: Fritz Schaefer GmbH, Neunkirchen, Germany, international headquarters and 8 million sq. ft. manufacturing and warehousing facility

Bottom: Schaefer System International, Ltd., Brampton, Ontario warehouse and office - 80,000 sq. ft.

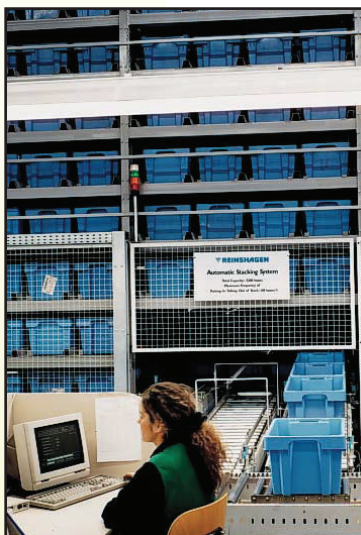


he Schaefer group began operations some 60 years ago in the Siegerland region of central Germany, a traditional steel melting and processing area. Since then it has grown into an organization that encompasses a dozen different manufacturing plants in steel and plastics, with subsidiaries worldwide. It was, and still is today, a privately held and operated business.

The cornerstone of Schaefer's success was a steel storage container, which has evolved into one of the most comprehensive product lines for materials handling and storage, cabinets, drawer units, racking, catwalks, high rise shelving, workshop equipment and office systems, as well as a complete range of products for the waste and recycling industries.

Schaefer System International Limited, serves the Canadian market through its 80,000 sq. ft. headquarters and distribution facility located in Brampton, Ontario. In addition, Schaefer has a network of stocking distributors and dealers across Canada.

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.



SHELVING SYSTEMS

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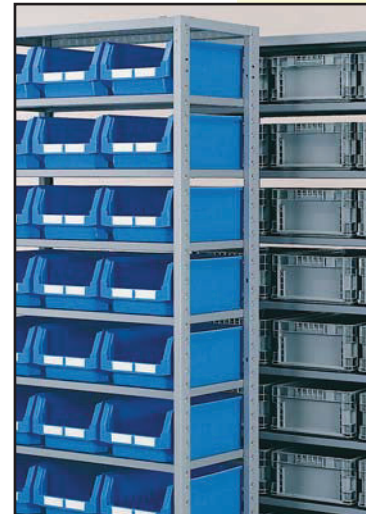
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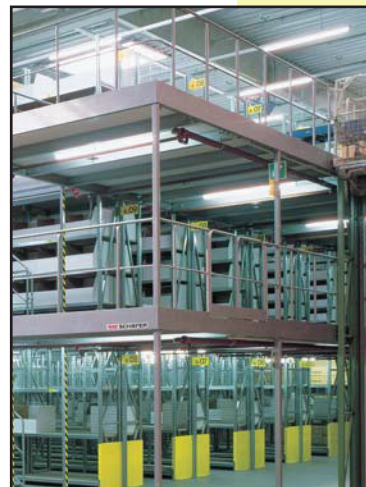


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**Strong.
Smart.
Schaefer.**





Schaefer has been providing storage and warehousing solutions for more than 50 years – systems for all types of facilities, from small machine shops to large manufacturing plants to major distribution centers. Systems that are versatile and user friendly, offering features not found anywhere else.

The mark of an efficient, productive warehouse, distribution center or parts room is a professionally designed layout, incorporating high quality versatile products that are tailored to meet the user's exact requirements. The system must also take into account in-plant material flow, as well as problem-free integration with other systems and equipment in the facility. This is where Schaefer can play a major role. The earlier we are involved in the planning process, the better the end results will be. We can design a facility that makes the absolute best use of all available space, resulting in increased productivity and cost savings.

**R4000
SHELVING**

**R4000
CATWALK**

**R3000
CATWALKS**

**R3000
SHELVING**

**R3000
AUTOMOTIVE**

ON-LINE SHELVING

**KDR
CARTON FLOW RACK**

CONVEYORS

PALLET RACKING

Catwalks

Multi-tier storage systems are an effective way to achieve quick access to large inventories in a limited space. Catwalks using Schaefer's Shelving provide the optimum use of space. To meet growing demand, due to its modular design, Shelving easily expands horizontally or vertically. And, the same components work equally well for small or large installations. The outstanding feature of this bolt-free, interlocking system is its quick and easy assembly and installation, a tremendous savings in time and money.

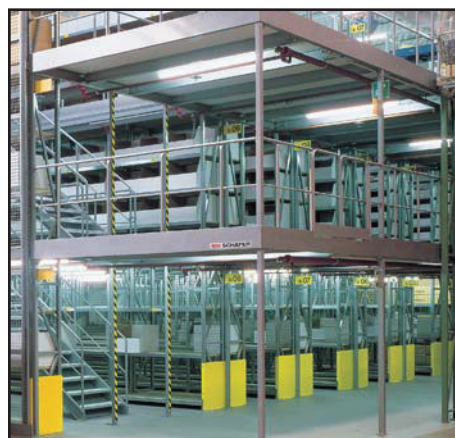
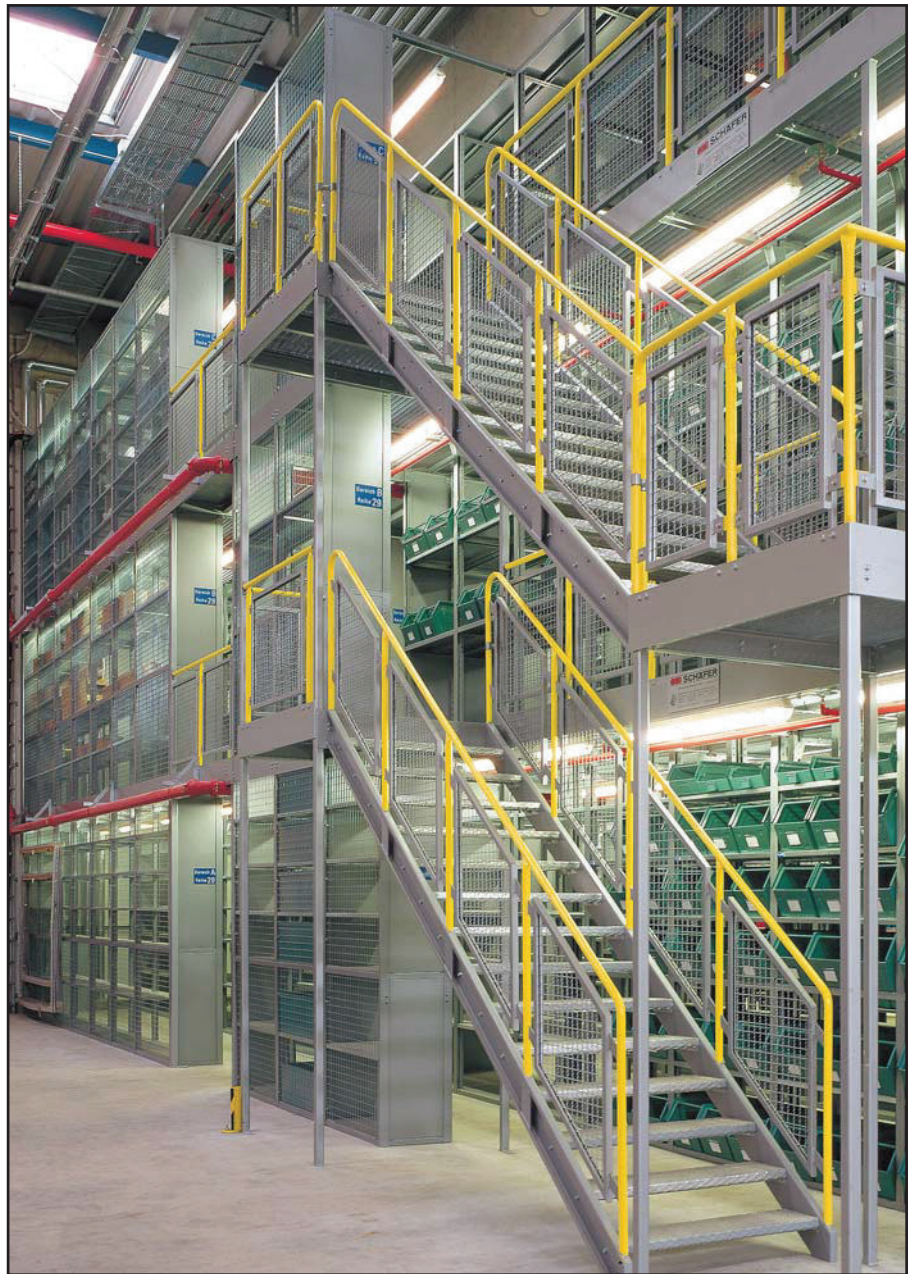
Total, integrated systems design, including a comprehensive range of accessories, have made Schaefer a leader in providing storage systems to meet a wide range of applications.

PLATFORM AND SECURITY FENCING

SSI Schaefer offers custom storage platforms with various floor types. From small platforms to large catwalk areas, SSI Schaefer can add valuable vertical storage space to your existing warehouse.

If it's security fencing or restriction cages you need, the experts at SSI Schaefer can help you by designing the appropriate security area for your particular application.

Please call and ask for a sales representative, who will be pleased to assist you in determining your specific needs.





R4000 Single Bay Shelving

R4000 is a highly engineered system designed with the future in mind. R4000 is based on the Starter / Add-on principle, providing excellent flexibility for expansion, including multi-tier installations.

- Starter bay includes four corner posts
- Add-on includes two corner posts
- Unique to the industry - no nuts, bolts or tools are required for assembly
- **Shelves simply slide in and fit onto prepunched lugs in the posts, which take the place of commonly used clips or nuts and bolts**
- Shelves can be rapidly re-arranged due to unique Schaefer design
- Lugs on the posts are spaced 2" apart for a wide range of storage options
- Designed for strength, high load bearing capacity:
Starter: 7,500 lbs.
Add-on: 5,500 lbs.
- For better visibility and ergonomic picking of stored items, shelves tilt at either 6° or 12° angle
- Seismic rated to Zone 4 for ground applications under 8 feet high
- Shelves are available in five depths

(See page 12)



• **Unique R4000 features are available in both a 39" and 50 1/2" wide span!**

Starter and Add-on Bays

BAY DEPTH	39" STARTER	ADD-ON	BAY DEPTH	50 1/2" STARTER	ADD-ON
12"	R4302G	R4302A	12"		
16"	R4402G	R4402A	16"	R9415G	R9415A
20"	R4502G	R4502A	20"	R9515G*	R9515A*
24"	R4602G	R4602A	24"	R9615G*	R9615A*
32"	R4804G	R4804A	32"		

*550 lb. capacity units available



Posts

- Pre-punched lugs at 2" spacing for flexible, easy shelf arrangement
- **No hardware or tools are required to install shelves**

Cross Bracing

BAY HEIGHT	BAY WIDTH	
	39"	50 1/2"
85 1/2"	KV4002	KV9002

Cross Bracing

- To increase lateral stability, cross bracing every third bay is recommended
- Not necessary to use cross braces on every unit, as with other shelving

R4000 Double Bay Shelving

Schaefer's double bays offer a new alternative to traditional thinking about shelving. All the great features of the single bays in a back-to-back format. Double bays use a common top and bottom shelf. One double-wide centerpost inserted between base and top shelves joins both bays. **Double bay shelving requires less material and has reduced installation time, which results in cost savings.** In addition to being efficient and economical, our design offers greater strength and stability than conventional back-to-back shelving construction, which accounts for roughly 90 percent of all installations.

- All the great features of our Single Bays
- Double Starter bay includes four corner and two centerpost
- Double Add-on bay includes two corner and one centerpost
- Double bay is two single bays combined into one
- Uses common top and base shelves
- No nuts, bolts or tools are required for assembly
- **Quickly and easily creates two bays in roughly the same time it takes to build a single bay**
- Shelves may be arranged independently on either side
- As with single bays, shelves may be tilted at 6° or 12°
- Double bay shelving is available in three depths
- Full range of accessories available
See pages 12 thru 19 and 28 & 29



• Unique R4000 features are available in both a 39" and 50 1/2" wide span!

Starter and Add-on Bays

BAY DEPTH	39" STARTER	50 1/2" STARTER
24"	R4604GD	-
32"	R4804GD	R9803GD
40"	R4104GD	-
	ADD-ON	ADD-ON
24"	R4604AD	-
32"	R4804AD	R9803AD
40"	R4104AD	-

Double Bay Shelves - please see page 12

Cross Bracing

BAY HEIGHT	BAY WIDTH	
	39"	50 1/2"
85 1/2"	KV4002	KV9002

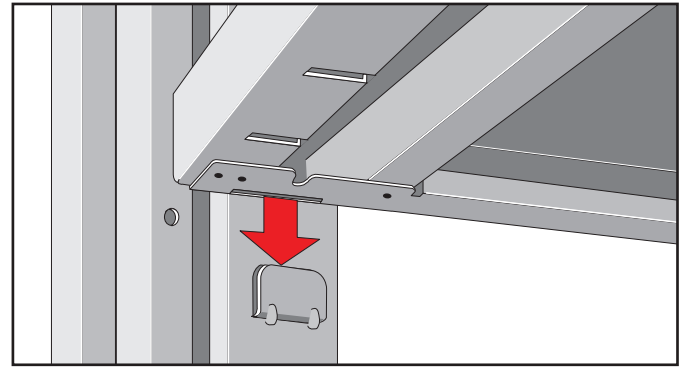


Schaefer Recommends Cross Bracing Every Third Bay to Increase Lateral Stability

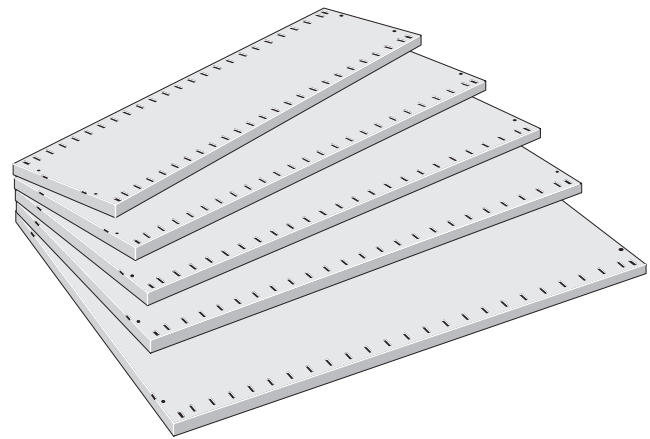
R4000 Adjustable Shelves

Schaefer offers two unique types of shelves which are not available anywhere else on the market. Both shelves effectively distribute weight for added load capacity.

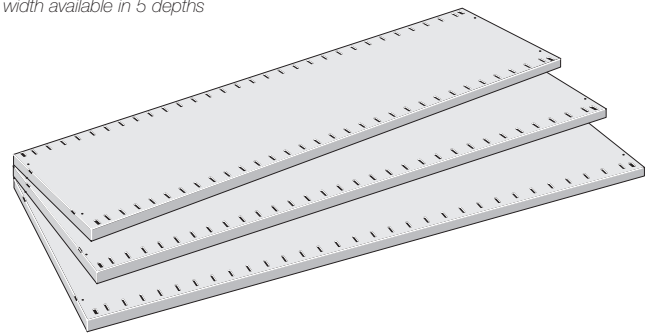
- Single box shelf supports up to 600 lbs. and has two more bends than other box-style shelves
- The double box shelf supports up to 1,000 lbs. and is also the only one of its kind available on the market
- Shelves have a lap and welded seam design with reinforced corners
- Shelves are slotted at 1½" intervals for drop-in dividers
- Shelves come standard with galvanized finish. Painted option available (grey)
- Shelves can be adjusted to a 6° or 12° tilt by simply raising the back of the shelf one or two lug positions
- No tools or additional hardware are required to adjust the angle of the shelves
- The shelf widths are actual clear bay widths between posts
- To calculate bay widths, add 2⅝" to shelf for (starter) unit and 1⅜" (and shelf width) for every subsequent add-on bay



Schaefer's unique shelving design features overlapping supports folds, spot weldings to avoid twisting, increased stability, no sharp edges for safety



39" width available in 5 depths



50 1/2" width available in 3 depths

Shelves 39"

SHELF DEPTH	220 LBS	440 LBS.
12"	Item ZB 4313GV	-
16"	Item ZB 4413GV	Item ZB 4423GV
20"	Item ZB 4513GV	Item ZB 4523GV
24"	Item ZB 4613GV	Item ZB 4623GV
32"	-	Item ZB 4823GV

Shelves 39"

SHELF DEPTH	660 LBS	880 LBS.
20"	Item ZB 4533GV	Item ZB 4543GV
24"	Item ZB 4633GV	Item ZB 4643GV
32"	-	Item ZB 4843GV

Shelves 50 1/2"

SHELF DEPTH	330 LBS	550 LBS.
16"	Item ZB 9415GV	-
20"	Item ZB 9515GV	Item ZB 9525GV
24"	Item ZB 9615GV	Item ZB 9625GV

* When ordering the painted option, please omit "GV" from the part number



Single box construction, up to 600 lbs. load capacity

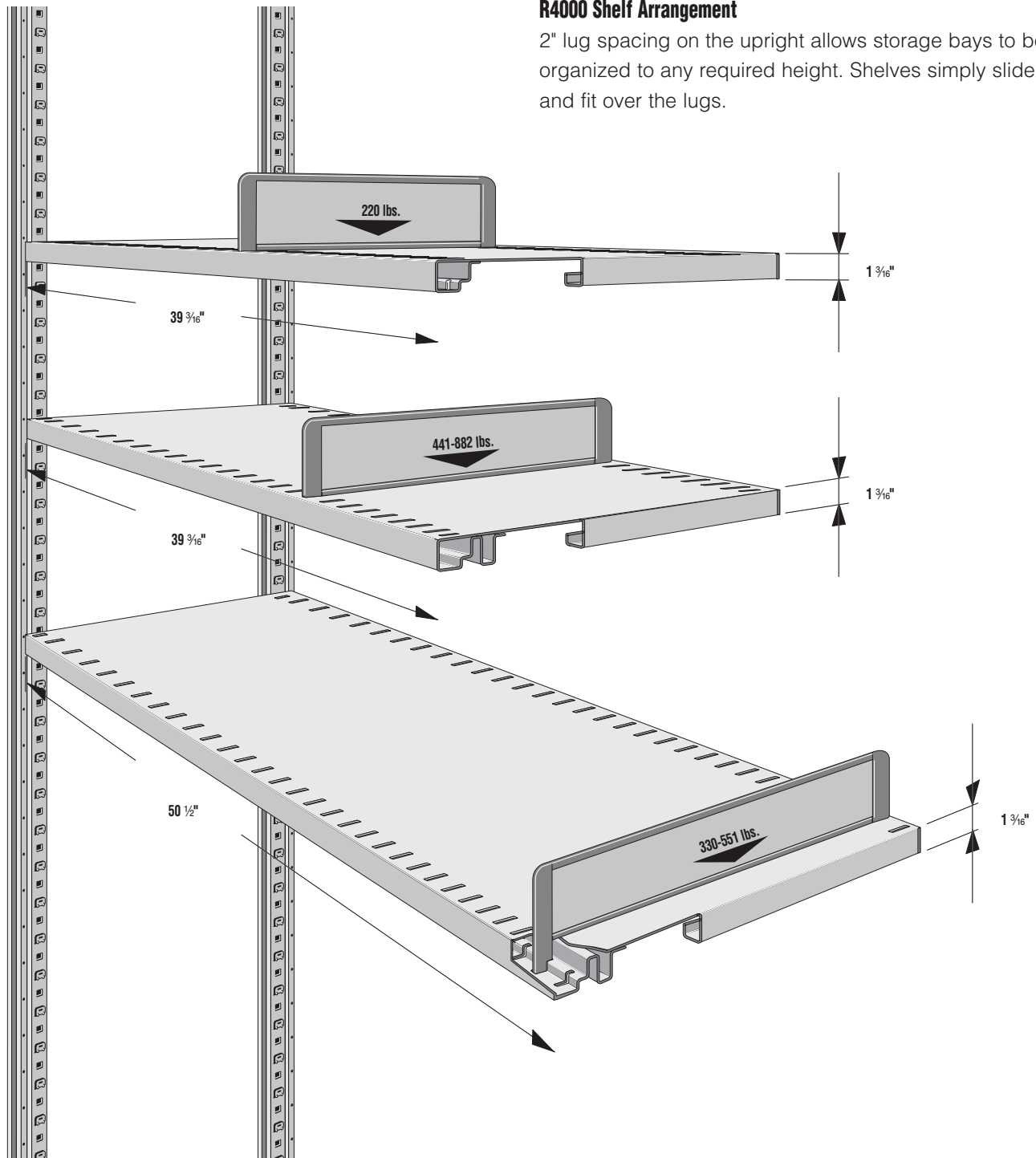


Double box construction, up to 1,000 lbs. load capacity

Load Capacities

R4000 Shelf Arrangement

2" lug spacing on the upright allows storage bays to be organized to any required height. Shelves simply slide in and fit over the lugs.



R4000 Side and Back Panels

The Schaefer R4000 Shelving design incorporates a wide range of options and accessories. Using modular components, basic units can be customized to meet specific needs.

- Wire mesh panels simply insert into pre-punched holes in the base and top shelves
- Wire mesh is 10 gauge by 2" square and is bright galvanized for side and back panels
- Solid side panels use a unique design in which pre-formed tabs on the panels fit into notches in the posts
- Solid painted panels available for side and back (two pieces required)
- Solid galvanized side panels also available
- Two-piece side and back panels are easier to handle and to install and reduce shipping damage
- Solid galvanized center panels for double bays, three or four interlocking panels per bays
- **Simple, easy installation saves time and money**

Rear and Sectional Center Panels

Sheet metal panels come in two parts of different heights, and must be ordered separately.

Item RWE4000 (39") RWE9000 (50 1/2")

Item RWZ4000 (39") RWZ9000 (50 1/2")

Sectional panels are available for installation between the center uprights of double row systems.

Item MW4000 (3-section) (39")

Item MW9002 (4-section) (50 1/2")



Mesh Side Panels Mesh Rear Panels

WIRE MESH SIDE PANELS	ITEM
Shelf depth 12"	SWG 4300
Shelf depth 16"	SWG 4400
Shelf depth 20"	SWG 4500
Shelf depth 24"	SWG 4600
Wire mesh rear panel	RWG 4000 (39")
Wire mesh rear panel	RWG 9000 (50 1/2")

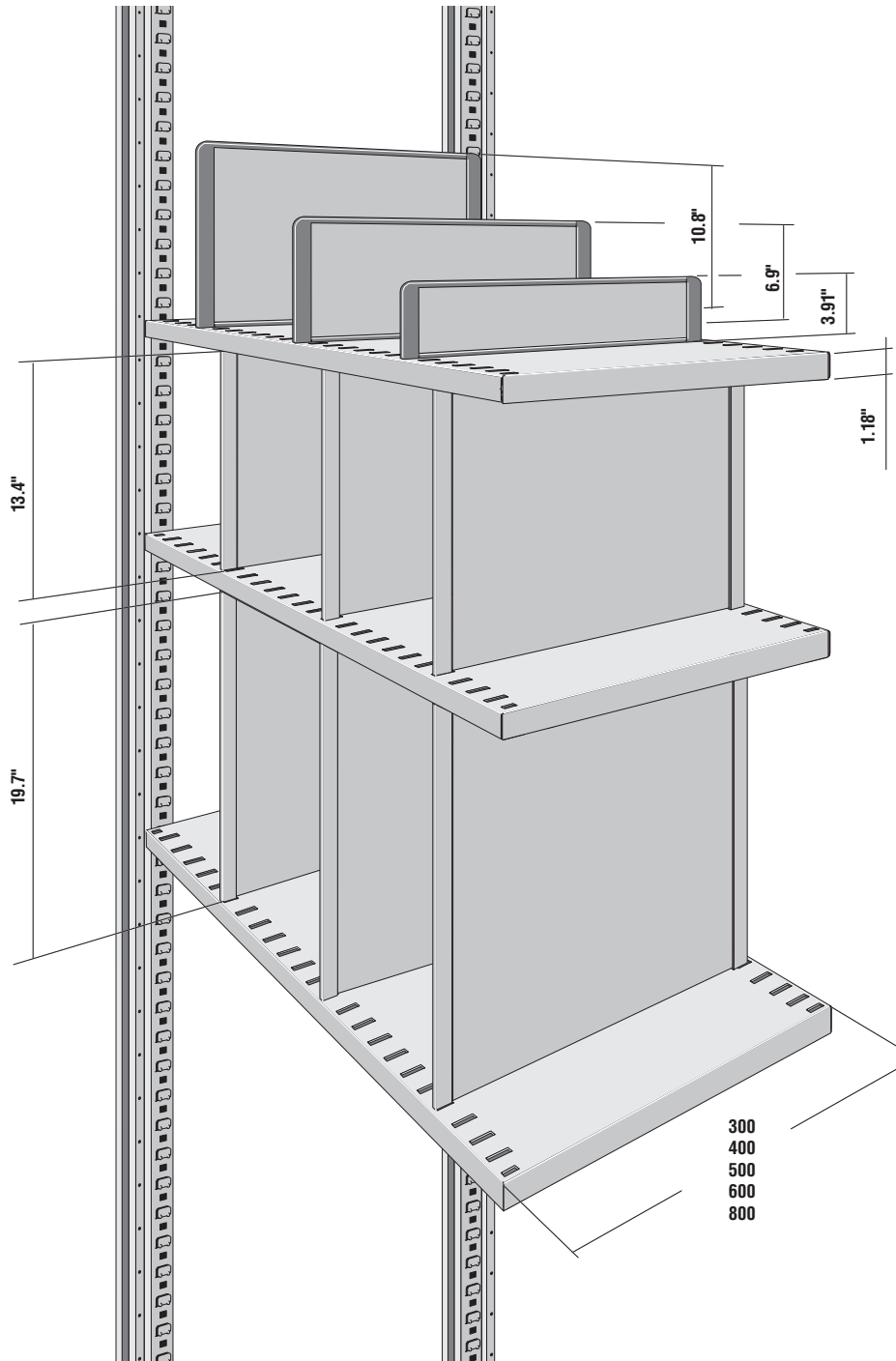
Solid Side Panels

SHELF DEPTH	ITEM Galvanized (pair)	ITEM Painted (pair)
12"	SW 4310 GV	SW 4310 PT
16"	SW 4410 GV	SW 4410 PT
20"	SW 4510 GV	SW 4510 PT
24"	SW 4610 GV	SW 4610 PT

Dividers

Shelf Dividers

- Shelf dividers install quickly without grommets, clips, bolts or screws
- Dividers are quick and easy to rearrange
- Full-height dividers insert into slots in the top of one shelf and the bottom of the shelf above
- Free-standing dividers insert into slots at the front and back of the shelf, spaced at 1½"
- Other divider heights are available. Contact Project Services Department



Free-Standing Dividers

Shelf Depth	Divider Height		
	4"	7"	10 1/2"
12"	TRF 4310	TRF 4317	
16"	TRF 4410	TRF 4417	TRF 4427
20"	TRF 4510	TRF 4517	TRF 4527
24"	TRF 4610	TRF 4617	TRF 4627
32"	TRF 4810	TRF 4817	

Full-Height Dividers

Shelf Depth	Divider Height	
	13 1/2"	20"
12"	TR 4340	
16"	TR 4440	TR 4450
20"	TR 4540	TR 4550
24"	TR 4640	TR 4650

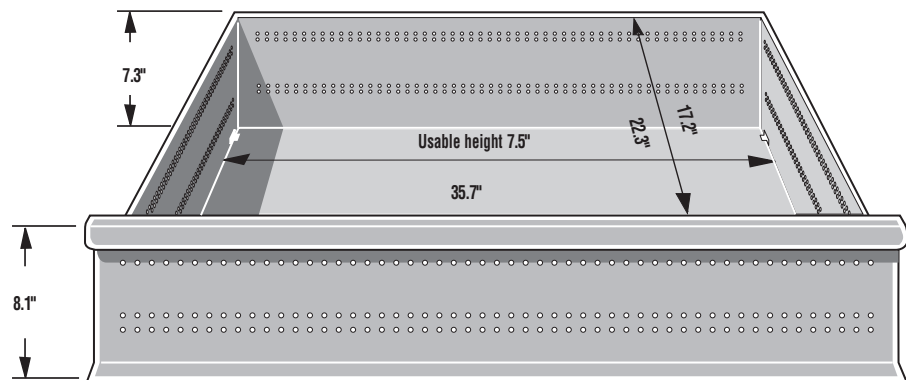
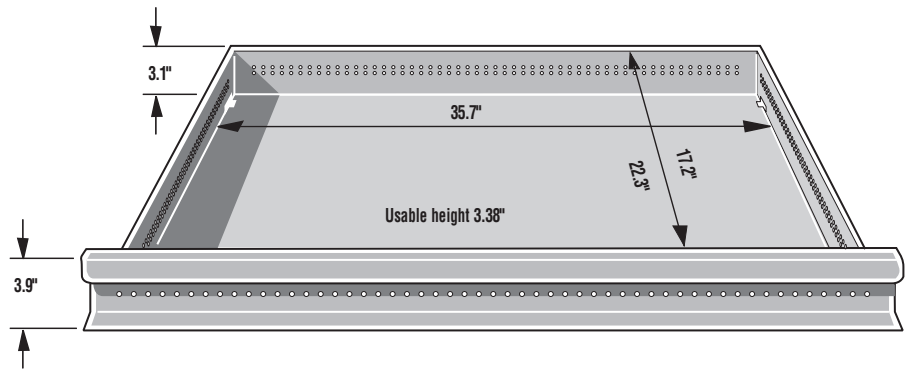


Free-Standing Dividers (L) and Full-Height Dividers (R)

R4000 Drawers

By adding drawers, basic shelving bays easily turn into modular small parts storage systems. A convenient alternative to modular drawer cabinets.

- Ball bearing roller tracks for easy opening and closing, even when fully loaded
- Available in two heights, 4" and 8"
- Available in three depths, 16", 20" and 24"
- Drawers can be divided using pre-punched holes in the sides
- Quick and easy to install
- Drop onto lugs on the post
- Drawers extend fully
- High load capacity (150 lbs.), even at full extension
- Grey painted finish
- To provide additional stability and meet safety guidelines, a shelf must be fitted above the top drawer. Tracks have to be secured with screws
- For safety, single bays with drawers must be bolted to the wall or floor
- In a row of shelving the bays must be clipped together
- Double bays must be anchored to floor
- Also compatible with R3000 shelving on page 22



Drawers, 39" Bays

ORDER #	WIDTH	DEPTH	HEIGHT
ESCH 4410	39"	16"	4"
ESCH 4420	39"	16"	8"
ESCH 4510	39"	20"	4"
ESCH 4520	39"	20"	8"
ESCH 4610	39"	24"	4"
ESCH 4620	39"	24"	8"
LABEL HOLDERS (19"W)			
EH 4490		50 Qty.	
LABELS			
EHE 4490		100 Qty.	

EK Insert Boxes For Drawers

ORDER #	FITS DRAWER	OUTSIDE DIM. L x W x H	TARE WEIGHT
EK 1	4"	7.1 x 3.8 x 2.4"	0.2
EK 2	4"	3.8 x 3.6 x 2.4"	0.1
EK 3	4"	3.6 x 1.9 x 2.4"	0.1
EK 111	8"	5.4 x 3.5 x 4.4"	0.2
EK 111N	8"	5.4 x 3.5 x 3.8"	0.2

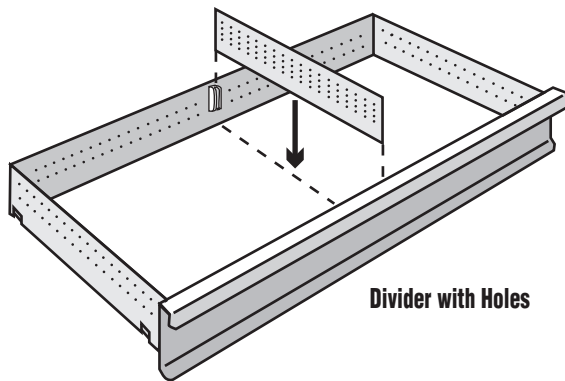
R4000 Modular Drawers

Drawer Dividers

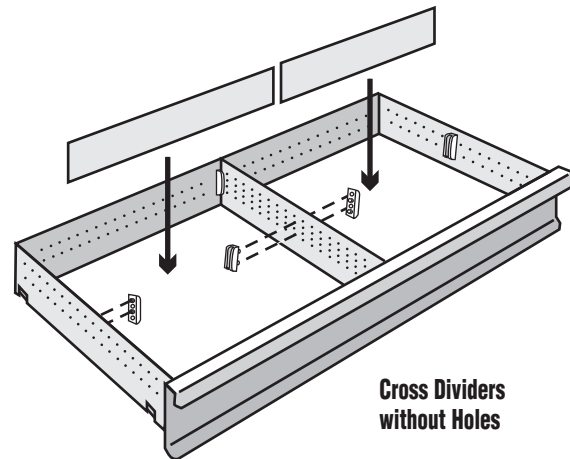
- Dividers insert into holes in the sides of the drawer
- Partitions with snap-in plastic adapters available for further sectioning
- EK Boxes shown on pages 59 and 64 can be used to subdivide drawers into a variety of smaller compartments



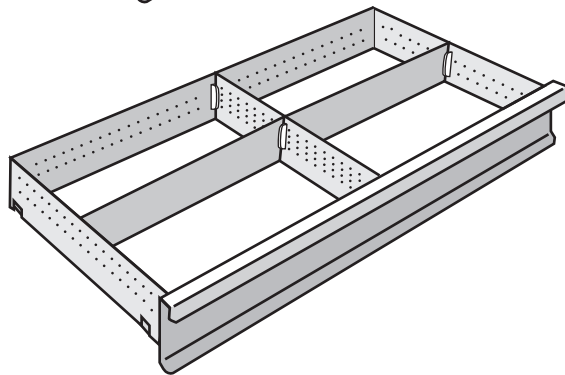
EK Insert Boxes in Drawer



Divider with Holes



Cross Dividers
without Holes



Drawer Divided into
Four Sections

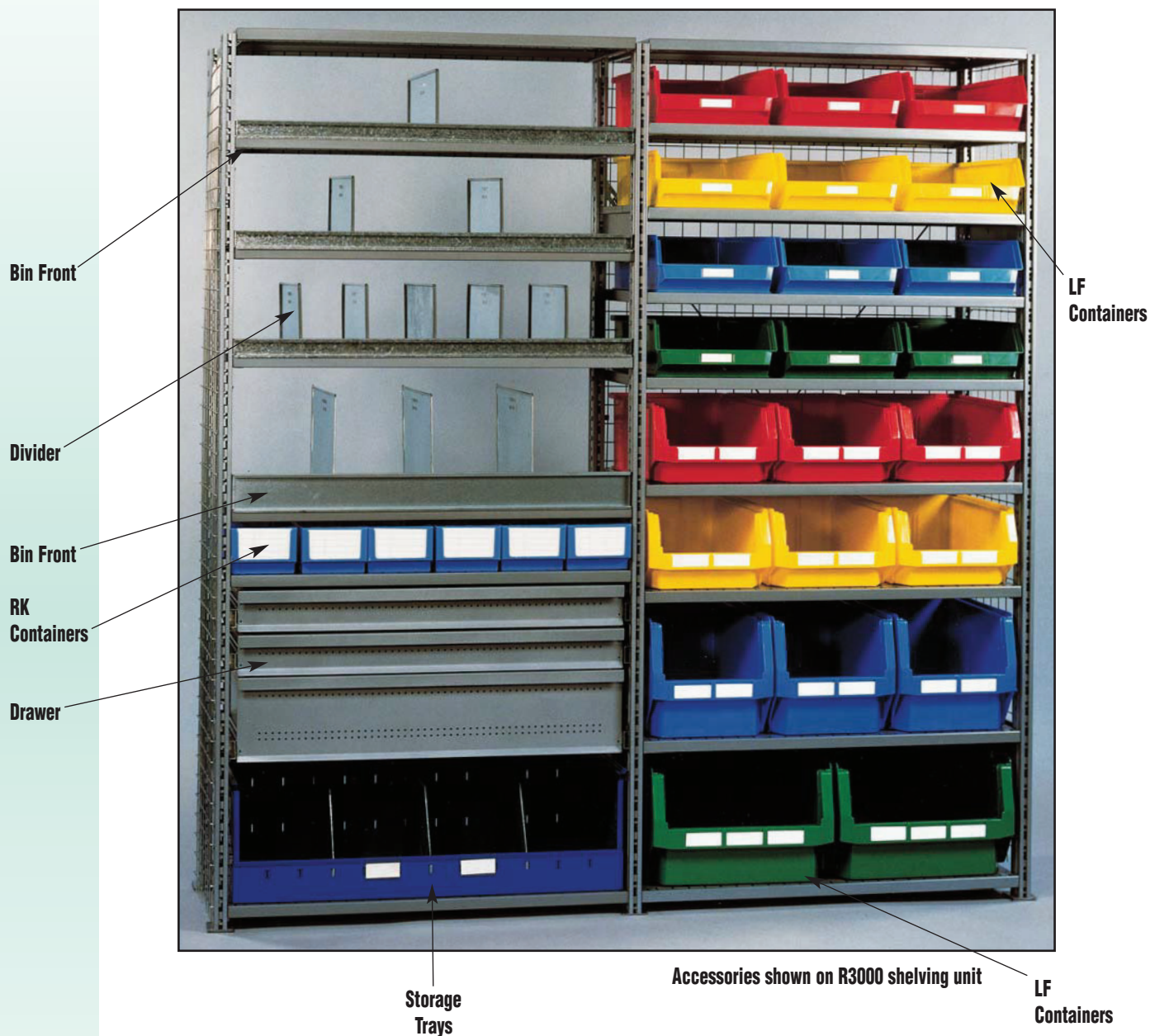
Drawer Dividers

ORDER #	DESCRIPTION
STE4010	Perforated Divider, 13"L x 3.25"H
STE4020	Perforated Divider, 13"L x 7.25"H
STE5010	Perforated Divider, 17"L x 3.25"H
STE5020	Perforated Divider, 17"L x 7.25"H
STE6010	Perforated Divider, 22.5"L x 3.25"H
STE6020	Perforated Divider, 22.5"L x 7.25"H
QTE1210	Partition Divider, 17"L x 3"H
QTE1220	Partition Divider, 17"L x 7.25"H
QTE1410	Partition Divider, 8.7"L x 3"H
QTE1420	Partition Divider, 8.7"L x 7.25"H
QTE1810	Partition Divider, 4.25"L x 3"H
QTE1820	Partition Divider, 4.25"L x 7.25"H

Drawer Divider Kits

DRAWER DEPTH	DRAWER HEIGHT	# OF COMPARTMENTS	WIDTH	DEPTH	ORDER #
16"	4"	4 (2W x 2D)	17½"	6½"	SE 4121 KIT
16"	8"	4 (2W x 2D)	17½"	6½"	SE 4122 KIT
20"	4"	4 (2W x 2D)	17½"	8¼"	SE 5121 KIT
20"	8"	4 (2W x 2D)	17½"	8¼"	SE 5122 KIT
24"	4"	4 (2W x 2D)	17½"	11"	SE 6121 KIT
24"	8"	4 (2W x 2D)	17½"	11"	SE 6122 KIT
16"	4"	8 (4W x 2D)	8¾"	6½"	SE 4141 KIT
16"	8"	8 (4W x 2D)	8¾"	6½"	SE 4142 KIT
20"	4"	8 (4W x 2D)	8¾"	8¼"	SE 5141 KIT
20"	8"	8 (4W x 2D)	8¾"	8¼"	SE 5142 KIT
24"	4"	8 (4W x 2D)	8¾"	11"	SE 6141 KIT
24"	8"	8 (4W x 2D)	8¾"	11"	SE 6142 KIT
16"	4"	16 (8W x 2D)	4¼"	6¼"	SE 4181 KIT
16"	8"	16 (8W x 2D)	4¼"	6¼"	SE 4182 KIT
20"	4"	16 (8W x 2D)	4¼"	8¼"	SE 5181 KIT
20"	8"	16 (8W x 2D)	4¼"	8¼"	SE 5182 KIT
24"	4"	16 (8W x 2D)	4¼"	11"	SE 6181 KIT
24"	8"	16 (8W x 2D)	4¼"	11"	SE 6182 KIT

R4000 Accessories



Storage Trays for R4000 & R3000 Shelving

- Storage trays can take the place of shelf, dividers, bin fronts, back and side panels
- Steel trays available in two heights, 5" and 12"
- Slide out for rapid re-arrangement or multi-stacking
- Rest on support rails
- Painted blue
- Dividers install without nuts or bolts

Storage Trays and Dividers

TRAYS ORDER #	DIVIDER ORDER #	DEPTH	HEIGHT
LW 386	LWT 386	16"	5"
LW 3830	LWT 3830	16"	12"
LW 512	LWT 512	20"	5"
LW 530	LWT 530	20"	12"

Labels and Holders For Storage Trays

HOLDERS (50 QTY)		LABELS (100 QTY)
EHK 75	3"	EHKE 75
EHK 85	3 3/8"	EHKE 85
EHK 135	5 5/8"	EHKE 135

STORAGE TRAY SUPPORT RAILS		
ORDER #	DEPTH	HEIGHT
AP4400/4800	16"	-
AP4500	20"	-



Full-Height Door with Recessed Handle

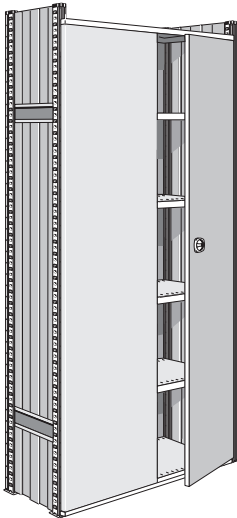
R4000 Doors

- Full-height doors (82½") for 85½" units
- Catwalk-height doors (72½") for multi-tier installations (accommodates overhead support structure)
- Doors can be easily adjusted to open and close smoothly – even when floors are not level
- Recessed locking handle is standard equipment
- Light grey, painted finish
- Installs with only four screws into holes in upright posts
- Available for 39" bays

Doors, 39" Bays

DOOR HEIGHT	ORDER #
83½"	FTR 4001

* For standard 85½" units



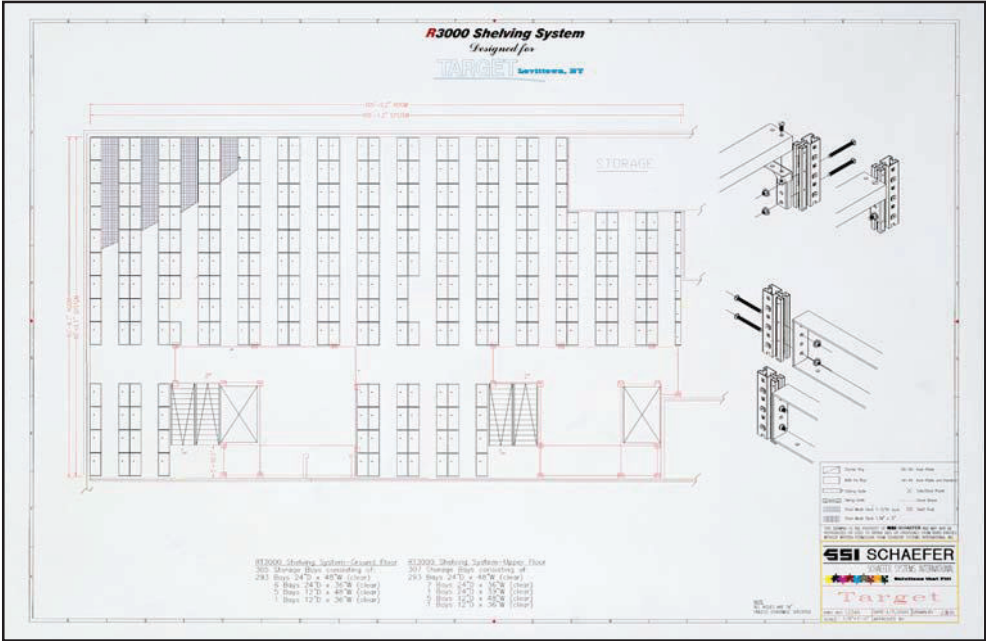
Catwalk Height Door
Shown on R3000 Shelving

R3000 Catwalks

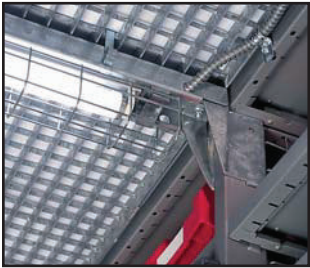


The versatility of R3000 Shelving is best demonstrated when it is used in multi-tier installations. It can be expanded to three levels using basically the same components as in a single-level installation.

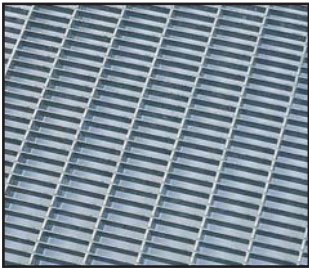
Free Standing Catwalks are also available. Contact our Project Services Department.



With each quotation, Schaefer's Project Services Department provides detailed CAD drawings of the proposed system.



Standard Grating 1 1/16" Square for Pedestrian Traffic



Small Opening Grating 1/2" x 1" for Wheel Traffic



Guard Rail Simply Bolts to Holes in Upright Post



Rail Components Ship Pre-assembled

R3000 Shelving

A Versatile and Economical Storage Solution

The R3000 shelving system is the most highly engineered shelving system available on the market today. This unique, modular system was developed especially for high bay load capacities and multi-level storage applications.

R3000 uprights can be produced up to 33 ft. in continuous length, which offers significant structural advantages when it is used in multi-level applications. It provides the ability to create a catwalk at any point.

R3000 is compatible with the broad range of shelving and accessories available from Schaefer to meet changing needs without a substantial reinvestment.



Drawers for the R3000 are shown on pages 16 & 17.





RK Shelf Containers, see pages 85-86

Features:

- Uprights are closed, seamless interior-welded, double box-style configuration
- Industry exclusive Schaefer prepunched lug design
- Uprights are 1 $\frac{1}{16}$ " x 2 $\frac{3}{8}$ "
- Lugs are spaced at 2" for flexible, easy shelf arrangement
- 10,000 lbs. bay load capacity
- Endframes available in 12", 16", 20", 24" and 32" depths and in standard heights of 85.5", 98" and 118"
- Shelves are single or double box design
- Boltless and clipless placement of shelves within a bay
- Shelves adjust easily, even fully loaded
- Shelves can be tilted 6° or 12° for ergonomic picking and stock visibility
- Two units connect easily back to back to create double sided picking
- End frames are shipped pre-assembled
- Frames are all galvanized construction
- All frames are equipped with footplates



Fully Decked Catwalk

R3000 Accessories

- Doors
- Drawers
- Dividers: Free-standing and full-height
- Bin fronts
- Trays
- Over 25 compatible storage containers to maximize cube

Support Frames For Single-Level Units. Frame Heights 85.5", 98" and 118"

R3000 Frames Assembled

HEIGHT	ORDER #				
	12" D	16" D	20" D	24" D	32" D
85.5"	RR33121KIT	RR34121KIT	RR35121KIT	RR36121KIT	RR38121KIT
98"	RR33125KIT	RR34125KIT	RR35125KIT	RR36125KIT	RR38125KIT
118"	RR33130KIT	RR34130KIT	RR35130KIT	RR36130KIT	RR38130KIT

R3000 Individual Part Numbers

ORDER#	
Depth	Side Braces
12"	RST 33012
16"	RST 34012
20"	RST 35012
24"	RST 36012
32"	RST 38012

ORDER#	
HEIGHT	Uprights
85.5"	S 3121 V
98"	S 3125 V
118"	S 3130 V

ORDER#	
Footplate	Ftplate

Frame Connector - To Tie and Space Frames Back-to-Back

SPACE	ORDER#
.25"	RV3006

Two required for each back-to-back frame assembly

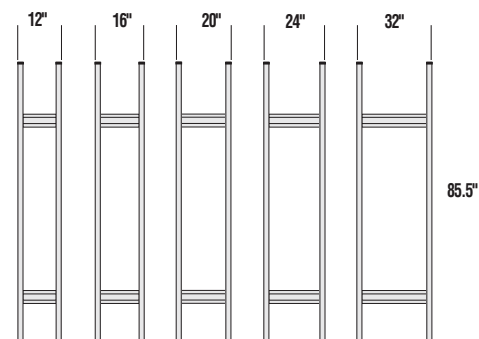
R3000 Cross Braces

Required for Each "Stand-Alone" Unit and for Every Third Bay in a Row

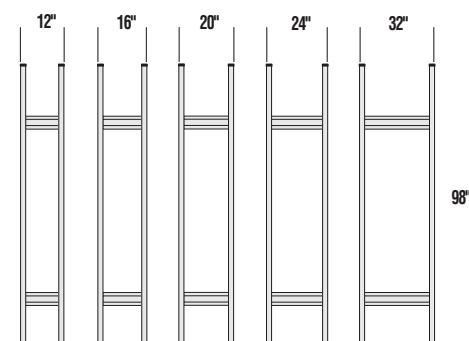
HEIGHT	ORDER #	
	39"W	50.5"W
85.5"	KV31013	KV31313
98"	KV31013	KV31313
118"	2 x KV31013	2 x KV31313

Cross Bracing

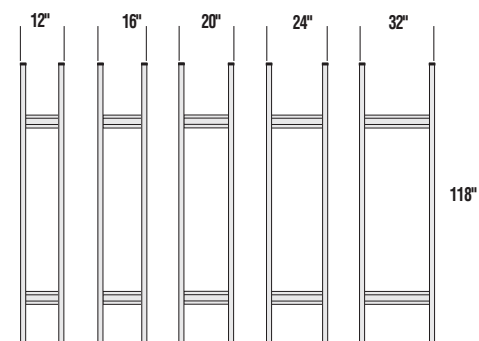
- To increase lateral stability, cross bracing every third bay is recommended
- Not necessary to use cross braces on every unit, as with other shelving
- Cross bracing helps contour bays to the floor, eliminating the need for shims



85.5" H



98" H



118" H

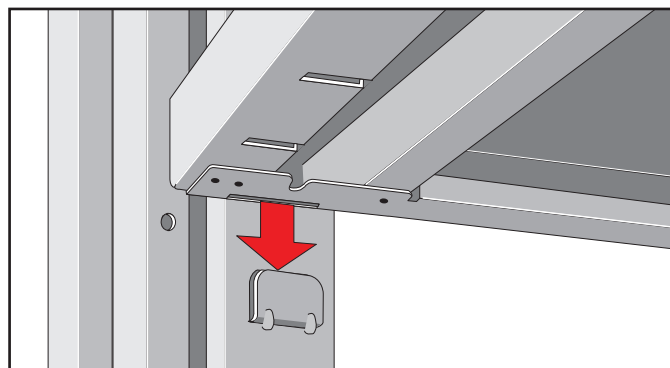


Wire Mesh Side and Back Panel with Cross Brace

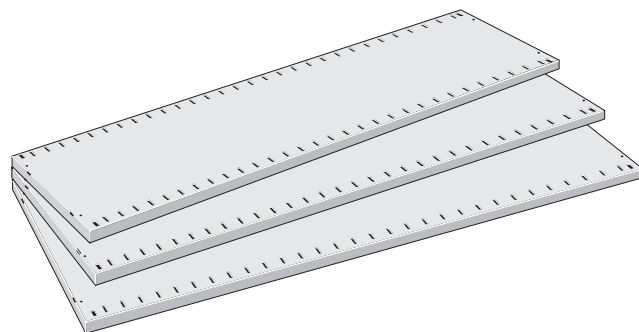
R3000 Adjustable Shelves

Schaefer offers two unique types of shelves which are not available anywhere else on the market. Both shelves effectively distribute weight for added load capacity.

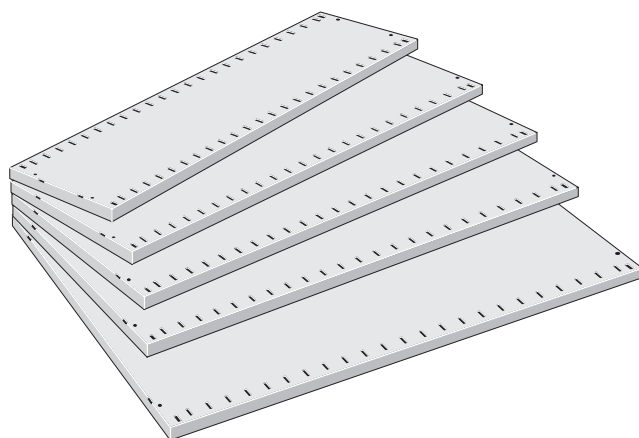
- Single box shelf supports up to 600 lbs. and has two more bends than other box-style shelves
- The double box shelf supports up to 1,000 lbs. and is also the only one of its kind available on the market
- Shelves have a lap and welded seam design with reinforced corners
- Shelves are slotted at 1½" intervals for drop-in dividers
- Shelves come standard with galvanized finish. Painted option available (grey)
- Shelves can be adjusted to a 6° or 12° tilt by simply raising the back of the shelf one or two lug positions
- No tools or additional hardware are required to adjust the angle of the shelves
- The shelf widths are actual clear bay widths between posts
- To calculate bay widths, add 2⅞" to shelf for (starter) unit and 1⅜" (and shelf width) for every subsequent add-on bay



Schaefer's unique shelving design features overlapping supports folds, spot weldings to avoid twisting, increased stability, no sharp edges for safety



50 1/2" width available in 3 depths



39" width available in 5 depths

Shelves 39"

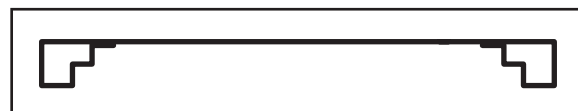
SHELF DEPTH	220 LBS	440 LBS.
12"	Item ZB 4313GV	-
16"	Item ZB 4413GV	Item ZB 4423GV
20"	Item ZB 4513GV	Item ZB 4523GV
24"	Item ZB 4613GV	Item ZB 4623GV
32"	-	Item ZB 4823GV

Shelves 39"

SHELF DEPTH	660 LBS	880 LBS.
20"	Item ZB 4533GV	Item ZB 4543GV
24"	Item ZB 4633GV	Item ZB 4643GV
32"	-	Item ZB 4843GV

Shelves 50 1/2"

SHELF DEPTH	330 LBS	550 LBS.
16"	Item ZB 9415GV	-
20"	Item ZB 9515GV	Item ZB 9525GV
24"	Item ZB 9615GV	Item ZB 9625GV

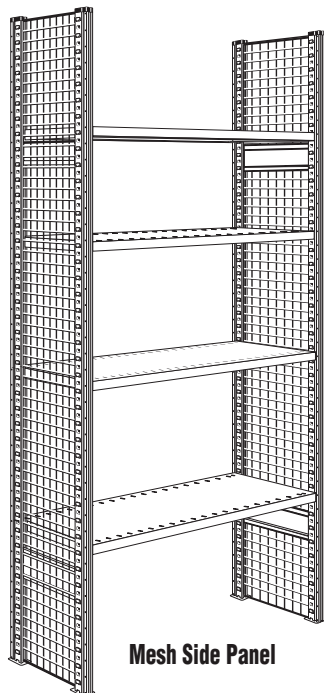


Single box construction, up to 600 lbs. load capacity

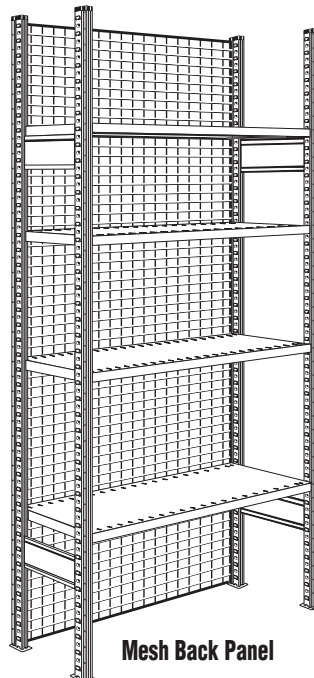


Double box construction, up to 1,000 lbs. load capacity

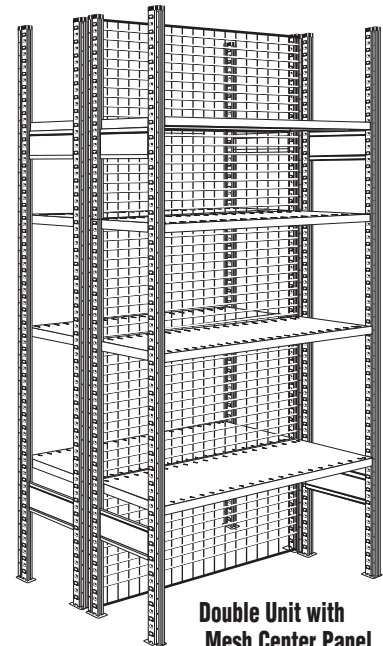
R3000 Mesh Side and Back Panels



Mesh Side Panel



Mesh Back Panel



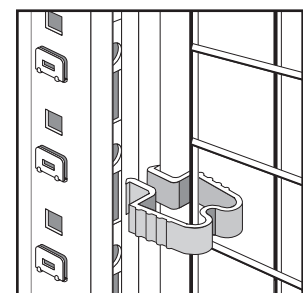
**Double Unit with
Mesh Center Panel**

Wire Mesh Side and Back Panels

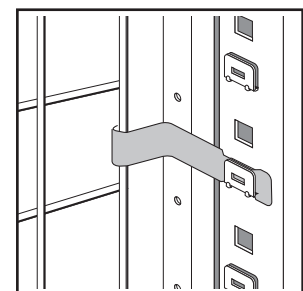
Bright galvanized, 10 gauge steel,
2" square. Side and back panels are
secured with special clips.

R3000 Side Panel

Height	Depth	Solid Side Panel	Wire Side Panel
85.5"	12"	SWI 3321	SWG 3321
	16"	SWI 3421	SWG 3421
	20"	SWI 3521	SWG 3521
	24"	SWI 3621	SWG 3621
	32"	SWI 3821	SWG 3821
98"	12"	SWI 3325	SWG 3325
	16"	SWI 3425	SWG 3425
	20"	SWI 3525	SWG 3525
	24"	SWI 3625	SWG 3625
	32"	SWI 3825	SWG 3825
118"	12"	SWI 3330	SWG 3330
	16"	SWI 3430	SWG 3430
	20"	SWI 3530	SWG 3530
	24"	SWI 3630	SWG 3630
	32"	SWI 3830	SWG 3830

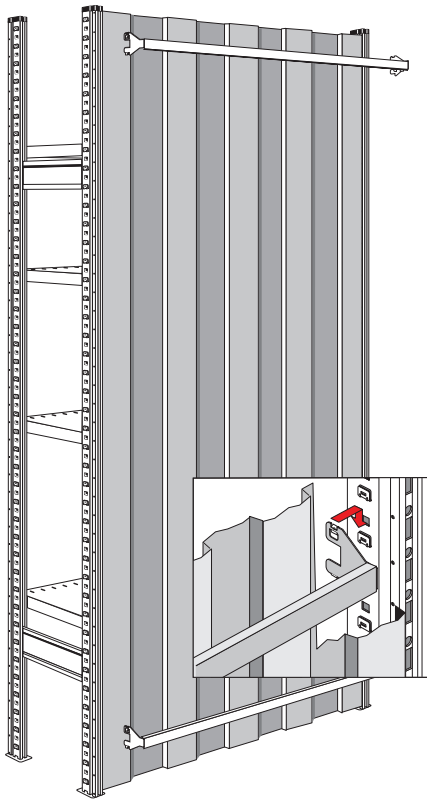


Mesh Side Panel Clips

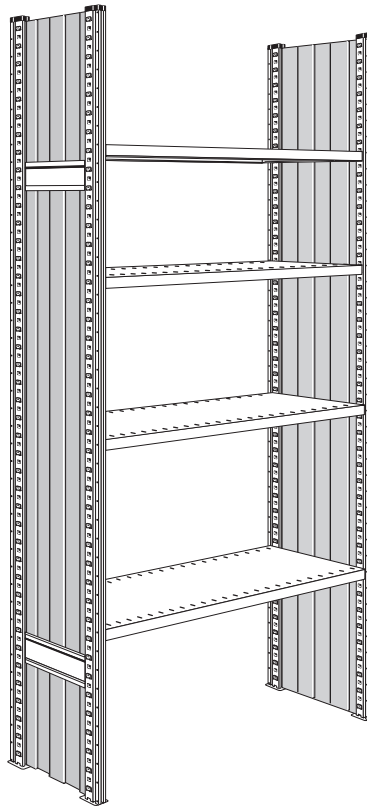


Mesh Back Panel Clips

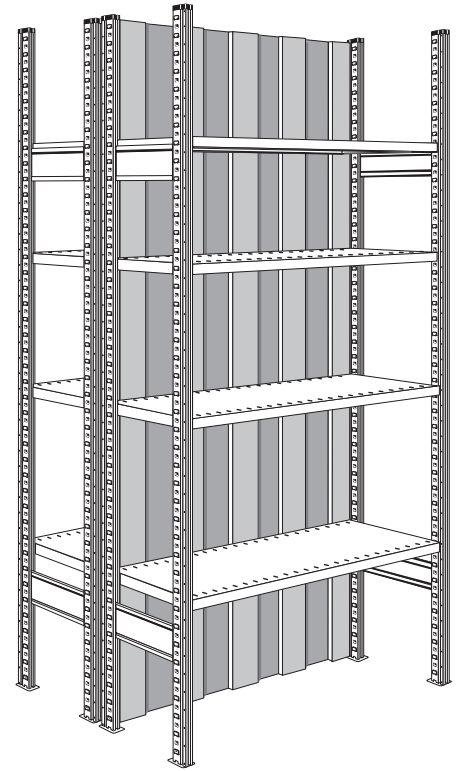
R3000 Side and Back Panels



Solid Back Panel/ with Beams



Solid Side Panel



Double Unit with Solid Panel

Solid Side Panels

Galvanized steel. To install, lean side panel against side brace in end frame. When shelves are installed, side panel is held in place between end frame and shelves.

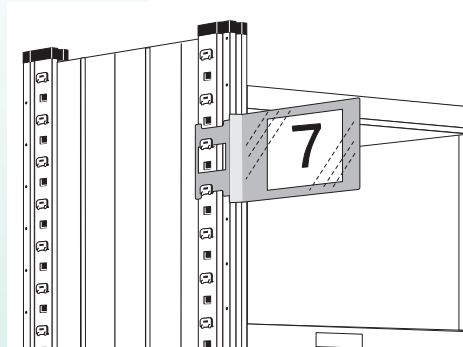
Solid Back Panels

Galvanized steel. Three interlocking panels. Back panels are secured with 2 beams which fit over the back panels and hook into the lugs on the end frame. Center panels are placed between back to back storage bays.

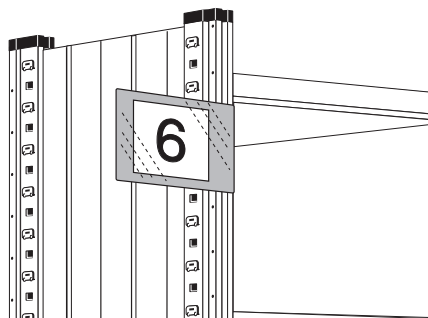
R3000 Back Panels

Height	Width	Solid Back Panel	Wire Back Panel
85.5"	39"	RWA31021	RWG31021
	50.5"	RWA31321	RWG31321
98"	39"	RWA31025	RWG31025
	50.5"	RWA31325	RWG31325
118"	39"	RWA31030	RWG31030
	50.5"	RWA31330	RWG31330

R3000 Accessories And Parts



Aisle Markers



Aisle Markers

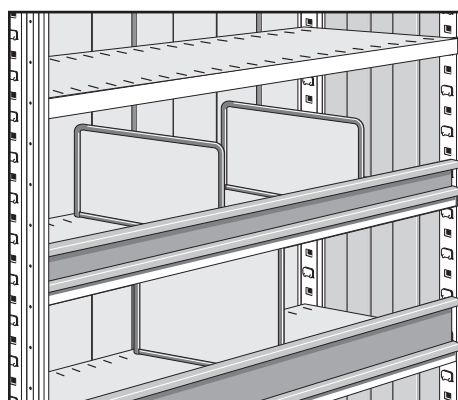
- Especially useful in large installations to identify rows
- Self-adhesive, attach in either direction (GB)
- Steel Markers insert onto lugs

Accessories

ITEM	ORDER #
Plastic Adhesive Aisle Marker (10/pkg)	GB
Steel Aisle Marker, Right Angle (10/pkg)	GBL
Steel Location Marker, Straight (10/pkg)	GBQ

Bin Fronts

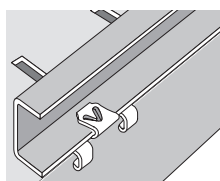
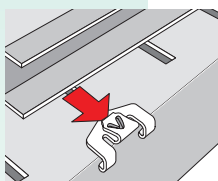
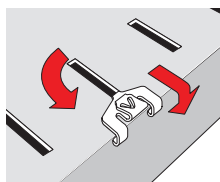
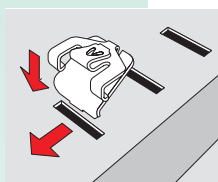
ITEM	ORDER #	
	39" Wide	50 1/2" Wide
1 1/2" High	VL 4001	VL 9001
3 1/2" High	VL 4000	VL 9000



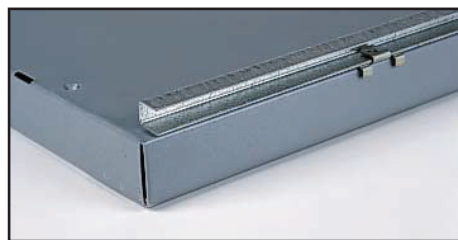
Bin Fronts and Dividers

Bin Fronts for R4000 & R3000 Shelving

- Keep parts from sliding off the front of the shelf
- Great when used in conjunction with tilted shelves
- Works well with R4000 shelving



Rear Stop Clips



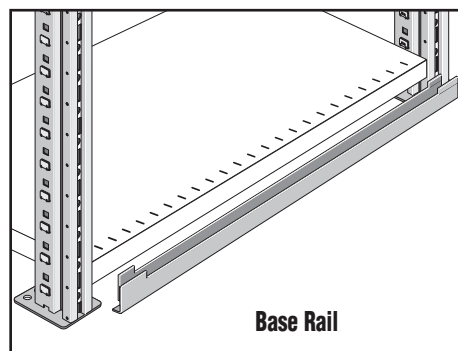
Shelf With Rear Stop (View From Back)

Rear Stops for R4000 & R3000 Shelving

- Keep parts from falling off the back of the shelf
- Can be used to divide bays in double unit applications

Rear Stops

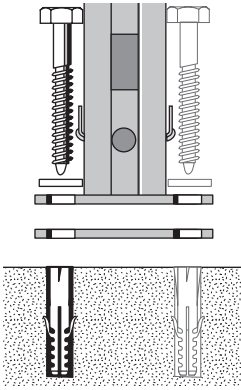
ITEM	ORDER #	
	39" Wide	50 1/2" Wide
Rear Stops	DSL 4102	DSL 9131



Base Rail

Base Rail

Galvanized. Close the gap between the first lug (= lowest shelf position) and the floor



Anchor Bolts



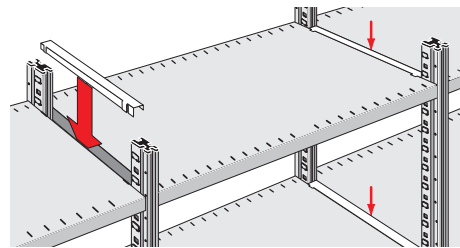
Lug Cover Attachment

Lug Covers

- Plastic strip fits over lugs in the post to give clean, finished look
- Fit both R4000 & R3000 shelving

Accessories

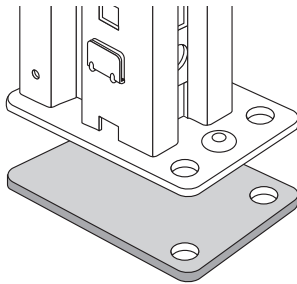
ITEM	ORDER #
Lug Covers (Per Strip)	RA4000
Floor Anchors (Recommended 4 Per Unit)	BBF



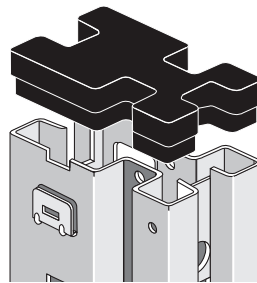
Infill Piece

Infill Pieces

- Fill gaps in between bays if required
- Prevent small objects from falling between shelf levels
- Provide even surface for shelves on same level



Floor Shims



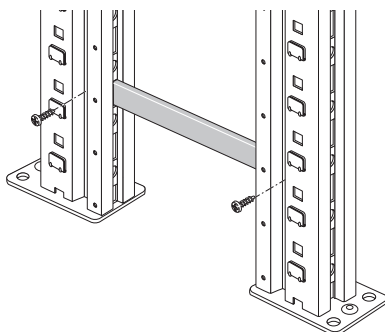
Top Caps

Top caps

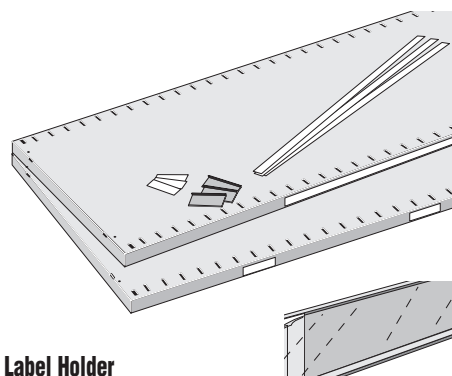
High quality plastic, black color. Clipped to the top of uprights for finished look.

Top Caps

ITEM	ORDER #
Top Caps	AK 3000



Frame Connector



Label Holder

Labels and Holders

LENGTH	ORDER #	
	LABELS (100 QTY)	HOLDERS (50 QTY)
3½"	EHE4085	EH4085
5½"	EHE4135	EH4135
19½"	EHE4490	EH4490

Automotive



The automotive industry places more complex demands on storage than most other industries. Those requirements demand a system with flexibility, strength, efficiency and modularity. Schaefer's R3000 Shelving offers all this and more. Schaefer offers the widest range of automotive-specific storage solutions in the industry, such as:

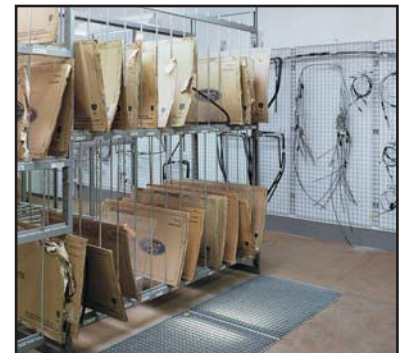
- Catwalk capability, to three levels
- Containers compatibly sized to cube out each shelf level
- Bulk storage using basic units
- Glass and cable holders
- Exhaust storage
- Tire and wheel storage
- Free-standing racks
- Doors
- Drawers
- Wire mesh panels
- Partitions and dividers
- Counter installations



Auto Parts Storage



Storage of Body Panels



Glass and Flexible Cable Storage

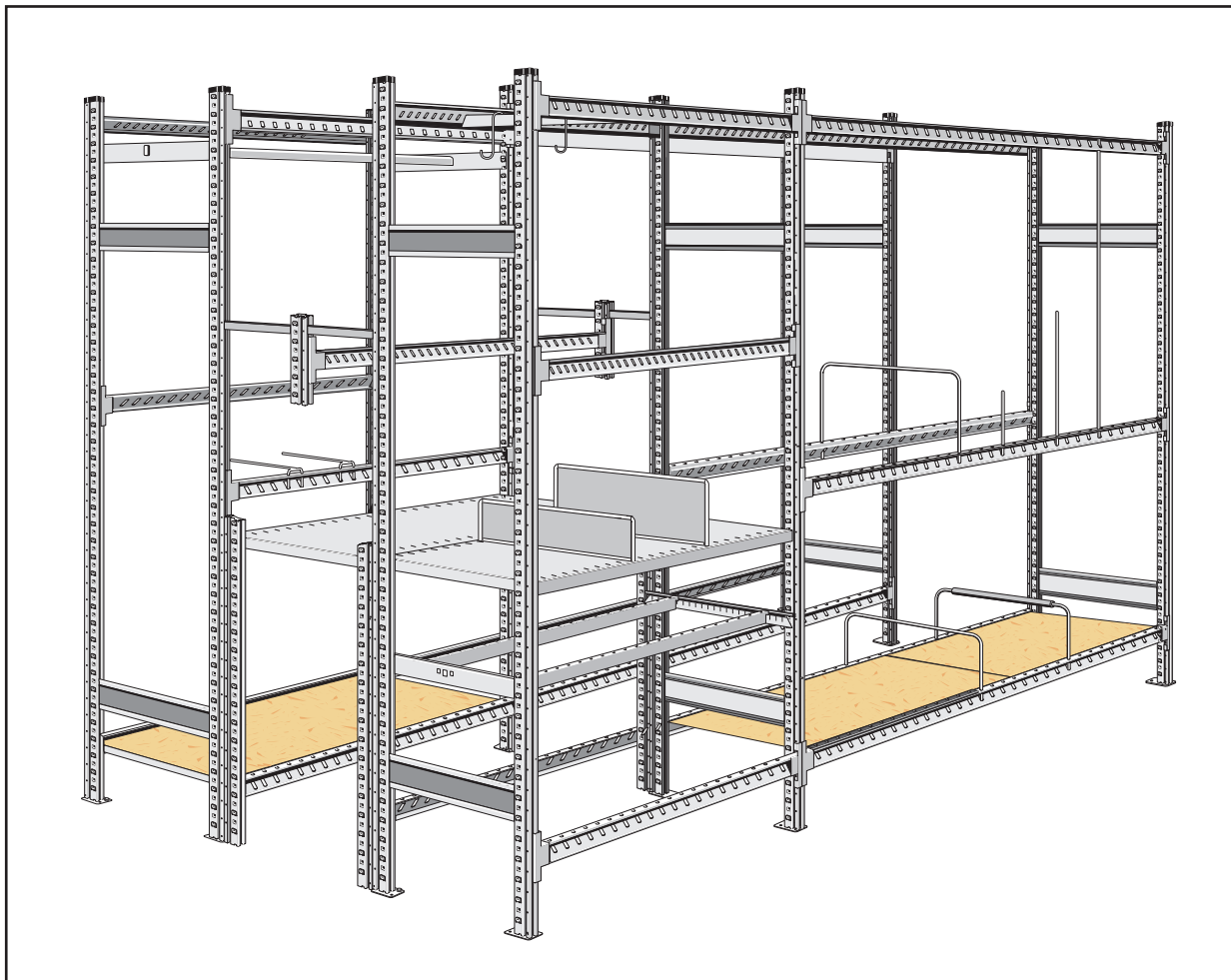


Tire Storage



Bulk Storage for Large Components

Storage Frames For Body Parts

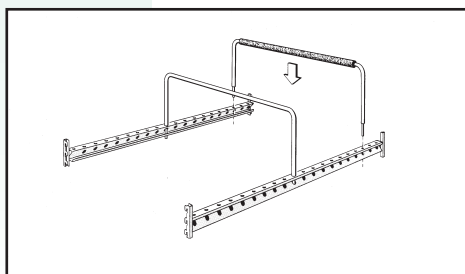


Because of their awkward shapes, the storage of bulky parts such as exhaust systems, bumpers and windshields presents a special challenge. Schaefer has designed racking that is so versatile it can be extended to most any desired

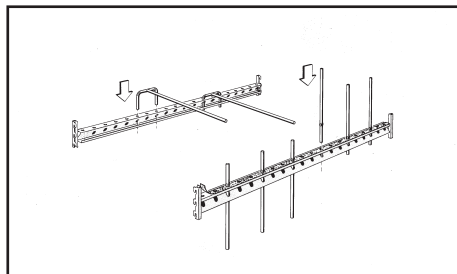
length and will accommodate almost any type of body part.

- Simple to assemble and install
- Shelf height adjustable in 2" increments
- Frames have lugs on both sides for expansion in any direction

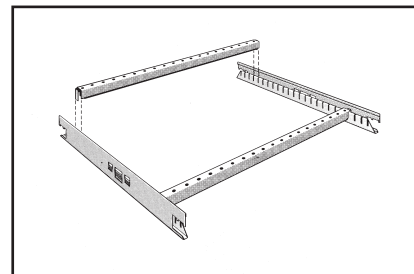
- Individual or connected shelving bays can be formed
- Cross beams have pre-punched holes spaced 2" apart for inserting self-locking rods to store exhaust pipes, axles, etc.



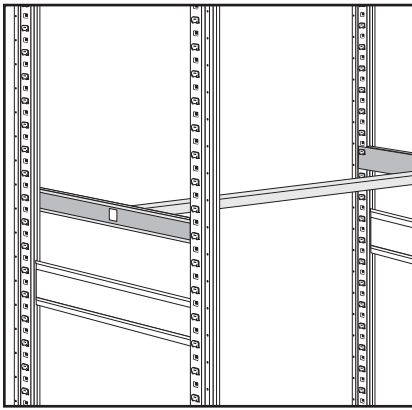
Beams with II-Rod Dividers



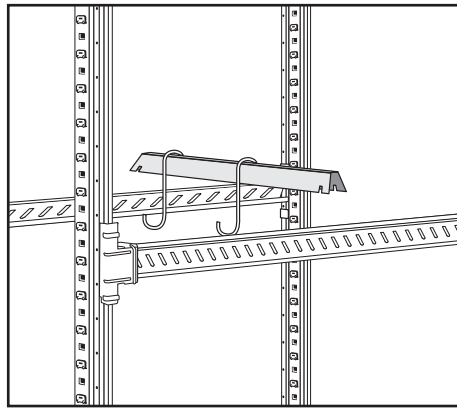
Racks with Vertical and Horizontal Rods



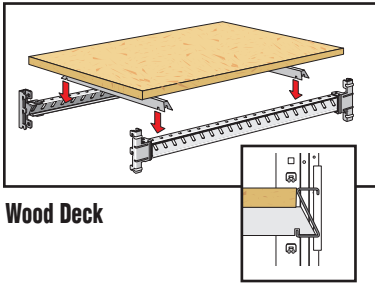
I-Rod



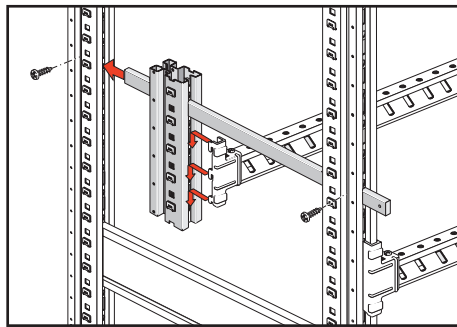
Garment Rod



Wood Deck Beam for Hanging Storage



Wood Deck



Bridge Beam

Frames

- Galvanized steel posts with lugs on both sides
- Lugs are spaced 2" apart
- Frame shipped preassembled

"Z" Profile Beams

- Cross beam can be installed singly, at any point on the frame
- Beams can be installed in all directions and a minimum of 4 beams per bay are required for structural integrity
- Hangers and self-locking rods, which are inserted in the cross beams, are available for storing large parts lengthwise

Uniset

- Uniset allows additional cross beams to be added at any point in between the posts
- Fore to aft beams are equipped with slots for inserting the Uniset beams

R3000 Frames Assembled

HEIGHT	ORDER #				
	12" D	16" D	20" D	24" D	32" D
85.5"	RR33121KIT	RR34121KIT	RR35121KIT	RR36121KIT	RR38121KIT
98"	RR33125KIT	RR34125KIT	RR35125KIT	RR36125KIT	RR38125KIT
118"	RR33130KIT	RR34130KIT	RR35130KIT	RR36130KIT	RR38130KIT

Frame Connectors to Tie and Space Frames Apart

	ORDER #
1.18" SPACER	RV3006
2" SPACER	RV3050
4" SPACER	RV3100
12" SPACER	RV3300

Bulk and Body Parts Storage

	FOR DEPTH	WIDTH		
		39	50.5	79.5
BULK BEAM	12/16/20/24/32	KTRZ31036	KTRZ31336	KTRZ32036
RIM/TIRE BEAM	12/16/20/24/32	RTR31015	RTR31315	RTR32025
GARMENT ROD	20/24 Only	KST3105/KST3106	KST3106	-
GARMENT ROD	32" Only	KST3108	KST3138	
WOOD DECK	32" Only	KRAB8822		2 x KRAB8822
UNISET	32" Only	US4100		

ACCESSORIES	NOTE	ORDER #	SIZE
BRIDGE BEAM	for Bulk and Tire Beams	TRB3812	32"D
VERTICAL DIVIDER	for Bulk Beams only	KRA4170	6.5"H
VERTICAL DIVIDER	for Bulk Beams only	KRA4300	12"H
U-ROD DIVIDER	for Bulk Beams only	KTBS	14"H x 32"D
U-ROD COVERING	made of protective foam	KTBS	30"L
UNISET BEAM	to add-on to US4100 set	UT4114	39"L
WOOD DECK BEAM	to add-on to KRHH8822	UT3800	32"L
HORIZONTAL DIVIDER	for Bulk Beams only	APH340	16"L
HORIZONTAL DIVIDER	for Bulk Beams only	APH740	32"L
S HOOK	for hanging on UT3800	CSH	7"
S HOOK-90°	for hanging on UT3801	CSH90	7"



Free-Standing Racks



**Double-Sided Rack
with Cantilever Arms**

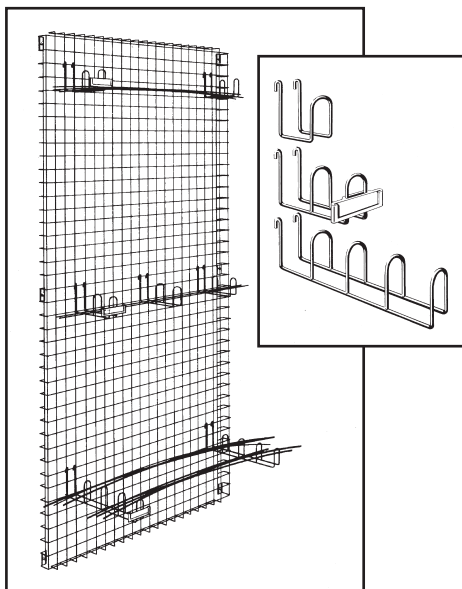


**Single-Sided Rack
with Tube Arms**

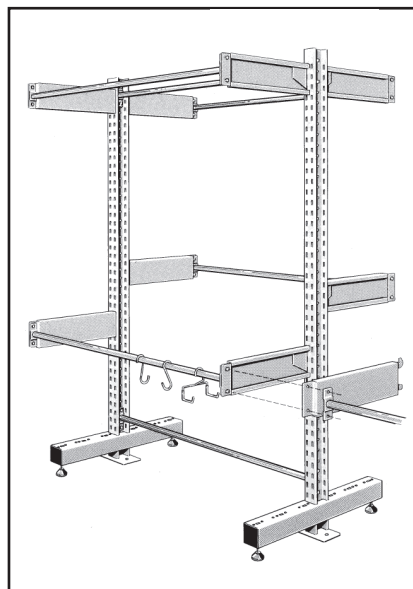
Single-sided or double-sided racks specifically designed for the storage of brake lines, air pipes, oil pressure pipes, chrome strips, body trim, starter cable, and more. Storage specifically designed to manage hard-to-handle, bulky parts.

- Single- and double-sided racks
- Ordered and shipped as a unit
- Can be used individually or connected in rows
- Versatile – add cantilever arms and storage trays as needed

- High load capacity:
Single-sided, 250 lbs. per level
Double-sided, 500 lbs. per level
- Grey enamel finish
- Must be bolted to the floor



Wire Mesh Panels with One-Section, Two-Section and Four-Section Hooks



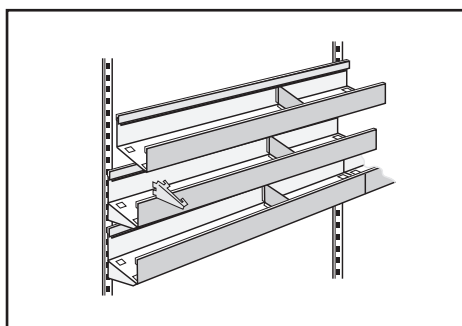
Tube Beams with Square Brackets and Hooks

See chart free-standing racks

Wall-Mounted Storage

Wall-mounted racks with cantilever arms and storage trays for cables, trim parts and other large, lightweight items.

- Wall-mounted racks provide good visibility and accessibility to parts
- Maximize the use of space for hard-to-store parts
- Wire mesh panels hold lightweight parts such as trim strips, molding, belts, etc.



Wall-Mounted Uprights with Storage Trays

Free-Standing Racks and Accessories

ITEM	ORDER #	DIMENSIONS	
		WIDTH	DEPTH
Tube Arm for Glass	CPI6050	—	23½"
Cross Beam (Order 2 Per Unit)	CSRI15	62"	—
Square Bracket	CARI6050	5"	22"
Hook A	CSH	2"	7"
Hook B	CSH90	2"	7"
Hook C	CSHT	7"	7"

Free-Standing Racks and Accessories

ITEM	ORDER #	DIMENSIONS			WEIGHT CAPACITY
		HEIGHT	WIDTH	DEPTH	
Cantilever Arm (2 Per Level)	CAI2550	—	—	10"	100 lbs. per level
Cantilever Arm X-Duty (2 Per Level)	CAI40120	—	—	16"	250 lbs. per level
Storage Tray	CWI25140	6½"	56"	10"	—
Storage Tray X-Duty	CWI40140	6½"	56"	16"	—
Storage Tray X-Wide	CWI40210	6½"	83"	10"	—

Free-Standing Racks and Accessories

ITEM	ORDER #	DIMENSIONS	
		HEIGHT	DEPTH
Single Sided Uprights*	CI80230E	90½"	20"
Double Sided Uprights*	CI80230D	90½"	34"
Brace (Order 2 Per Unit)	CVI10	—	39"

* Two required for Starter, one for Add-on

Wall-Mounted Storage

ITEM	ORDER #	DIMENSIONS		
		HEIGHT	WIDTH	DEPTH
Wall Rail	FWS	39"	—	—
Support Bracket	FWK10	—	—	8"
Storage Tray	FWR10	6¾"	39"	7¾"
Divider Tray	FWU12	2¾"	17¾"	4"
Divider Tray	FWU13	2¾"	17¾"	2¾"
Tray Partition	FWT10	—	—	7¾"
WIRE MESH WALL PANEL				
Wire Mesh Panel	ZR210	81"	41½"	—
One-Section Hook	ZH1	3"	1¾"	3"
Two-Section Hook	ZH2	3"	1¾"	6½"
Four-Section Hook	ZH4	3"	1¾"	14"
Label Holder	ZE82	1"	3½"	—
Label Cards	ZEE	—	100 Qty.	—
Label Covers	ZEF	—	100 Qty.	—

Single-Depth On-Line Shelving

Shelving specifically designed for assembly line production. With the shelves angled at 15°, workers can easily see and pick the parts they need, while new parts are supplied from the back. Bottom shelves can be inverted so that empty containers slide out of the way. On-Line offers a cost-efficient stock and storage solution for assembly line operations and is an effective way to utilize the valued space of most assembly line processes.

- Pre-assembled frames
- Starter, Add-on Principle
- Heavy duty, rigid construction
- Each shelf level supports up to 550 lbs.
- Shelves are welded double box-style construction
- Available in three widths
- Can be used with casters in 60" height
- Supplied with foot plates for anchoring units to the floor
- Frames are available in standard green finish
- Shelves are available in standard grey finish

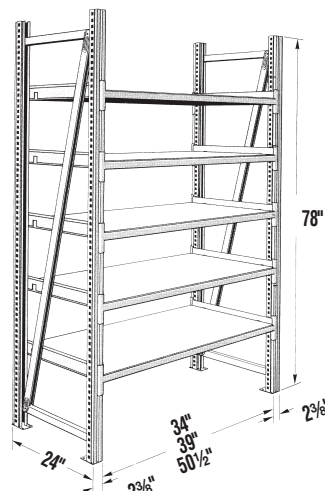


On-Line Single-Depth With Five Shelf Levels

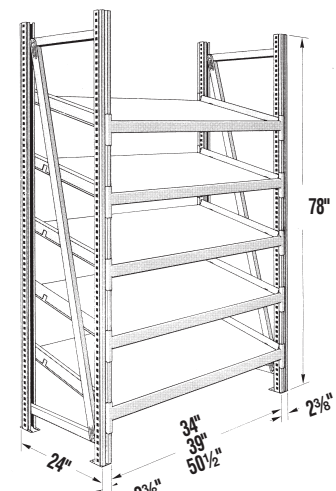
	ITEM	24" DEPTH ORDER #		
		WIDTH 34"	WIDTH 39"	WIDTH 50½"
HEIGHT 78"	Type G Starter	GR70872G	GR70992G	GR71282G
	Add-on Unit	AR70872G	AR70992G	AR71282G
	Extra Shelf	ZB70872G	ZB70992G	ZB71282G
	Type S Starter	GR70872S	GR70992S	GR71282S
	Add-on Unit	AR70872S	AR70992S	AR71282S
	Extra Shelf	ZB70872S	ZB70992S	ZB71282S

Note: For Overall Width of Starter, Add 4¾" to Shelf Width. For Overall Width of Add-on, Add 2¾" to Shelf Width

Type G (Straight)



Type S (Tilted)



On-Line Shelving Assembly

On-line Shelving, like all Schaefer Shelving, is simple, fast and easy to assemble – one unit takes about three minutes to set up. The simplicity of the design, which offers all the features of a highly engineered system, is a Schaefer trademark.

- On-Line Shelving is shipped with preassembled upright frames
- Single-depth units assemble in three minutes
- No tools are required for assembly
- Shelves are supported by beams which quickly connect to uprights
- Shelf levels adjust in 2" increments

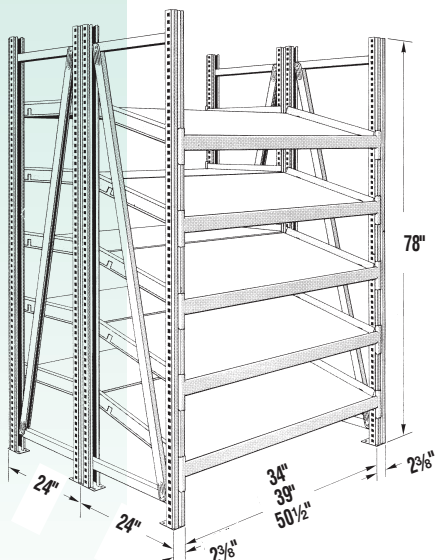


Double-Depth On-Line Shelving

You can choose from either single-depth or double-depth units to fit your operation. On each unit, shelves can be tilted either toward the front and/or back. You also can combine straight and tilted shelves at the front and/or back.

- Improves assembly line productivity
- Tilted shelves allow material to flow toward working area
- User friendly, 15° tilt angle makes parts easy to see and to pick
- Beams are made to withstand the most grueling impact loading
- Available in three widths
- Available in four basic configurations
- Flexible enough to meet the needs of any operation
- Shelves adjust in 2" increments
- The only product of its kind on the market
- Starter, Add-on Principle

Type GS



On-Line Double-Depth With Five Shelf Levels

ITEM	48" DEPTH ORDER #		
	WIDTH 34"	WIDTH 39"	WIDTH 50 1/2"
Type GS Starter	GR70872GS	GR70992GS	GR71282GS
Add-on Unit	AR70872GS	AR70992GS	AR71282GS
Extra Shelf	ZB70872GS	ZB70992GS	ZB71282GS
Type GG Starter	GR70872GG	GR70992GG	GR71282GG
Add-on Unit	AR70872GG	AR70992GG	AR71282GG
Extra Shelf	ZB70872GG	ZB70992GG	ZB71282GG
Type ZZ Starter	GR70872ZZ	GR70992ZZ	GR71282ZZ
Add-on Unit	AR70872ZZ	AR70992ZZ	AR71282ZZ
Extra Shelf	ZB70872ZZ	ZB70992ZZ	ZB71282ZZ

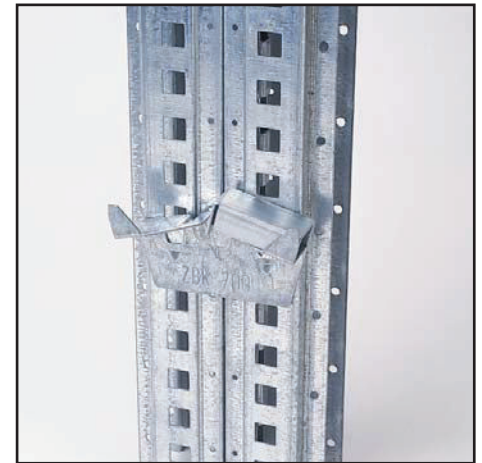
Note: For Overall Width of Starter, Add 4 3/4" to Shelf Width. For Overall Width of Add-on, Add 2 3/8" to Shelf Width





Shelf Bracket

- In double-depth units, used to support shelf levels at rear of forward shelf and front of rear shelf
- Adapter required for Type SS units
- Securely locks front and rear bays together



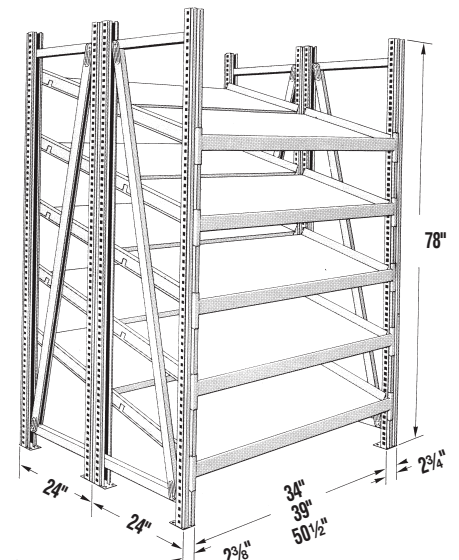
Shelf Bracket with Adapter

On-Line Double-Depth With Five Shelf Levels

ITEM		48" DEPTH ORDER #		
		WIDTH 34"	WIDTH 39"	WIDTH 50½"
HEIGHT 78"	Type SS Starter	GR70872SS	GR70992SS	GR71282SS
	Add-on Unit	AR70872SS	AR70992SS	AR71282SS
	Extra Shelf	ZB70872SS	ZB70992SS	ZB71282SS

Note: For Overall Width of Starter, Add 4¾" to Shelf Width. For Overall Width of Add-on,

Type SS



On-Line Shelving Accessories

A Work Table can be added to an On-Line Shelving unit to provide additional space at an assembly station or in a workshop. For detailed repair work or assembly, a Workbench with drawers is available. When semi-open front containers are added, the On-Line unit with Workbench becomes a complete, compact work station where everything is within easy reach. For hanging tools, a perforated side panel is available.

On-Line Work Table

- Attachable Work Table connects to the front beam and upright frames
- 16" deep
- Available in three widths

On-Line Cantilever Leg

- Uses a staggered front leg which can be attached to any workbench
- Shown with Schaefer semi-open front containers. See page 89-92 for information on semi-open front containers



On-Line Work Table



Cantilevered Leg Shown with Workbench
(Workbench Must Be Ordered Separately)

On-Line Work Table

WIDTH	ORDER #
34"	OL WORKTABLE 34"
39"	OL WORKTABLE 39"
50½"	OL WORKTABLE 50½"

On-Line Single-Depth Cantilever Leg with Three Shelf Levels

		24" DEPTH ORDER #		
ITEM		WIDTH 34"*	WIDTH 39"	WIDTH 50½"
HEIGHT 78"	Type G Starter	GRC70872G	GRC70992G	GRC71282G
	Add-on Unit	ARC70872G	ARC70992G	ARC71282G
	Extra Shelf	ZB70872G	ZB70992G	ZB71282G
HEIGHT 78"	Type G Starter	GRC70872S	GRC70992S	GRC71282S
	Add-on Unit	ARC70872S	ARC70992S	ARC71282S
	Extra Shelf	ZB70872S	ZB70992S	ZB71282S



Mobile Unit, Type S

Perforated Side Panel

- Encloses side of units
- Steel mesh
- Closes off the end of a row of On-Line Shelving units
- Creates pegboard-type surface for hanging items

End Caps

- Recommended for 60" units
- Additional safety feature
- Prevents injury from edges when reaching to top level and above

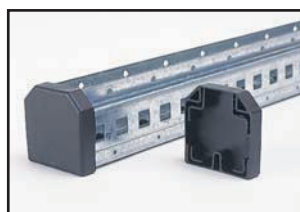
Casters

- Unit with casters moves parts to the places they're needed
- Used only with single-depth unit, 60" high
- One caster set includes two fixed wheels and two swivel wheels with foot brakes

Other Configurations Are Available. Contact Project Services

On-Line Accessories

ITEM	ORDER #
End Cap	AK7000
Caster	CASTERONLINE



End Caps



Casters Are Available for Single-Depth Units, 60" High

On-Line Mobile Unit Single-Depth with Four Shelf Levels

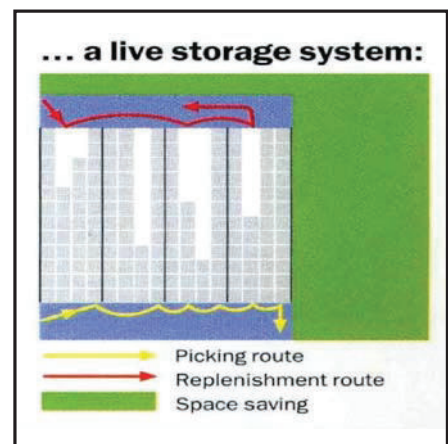
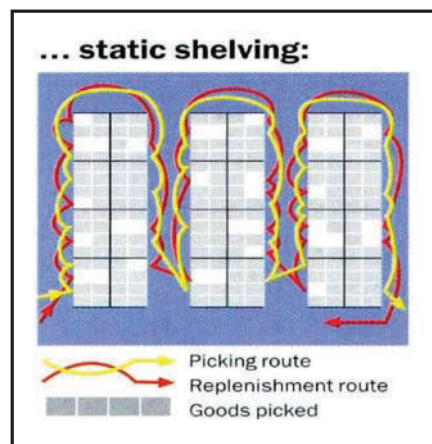
ITEM		24" DEPTH ORDER #		
		WIDTH 34"	WIDTH 39"	WIDTH 50½"
HEIGHT 67½"	Type S Starter	GRM70872G	GRM70992G	GRM71282G
	Extra Shelf	ZB70872G	ZB70992G	ZB71282G
	Type S Starter	GRM70872S	GRM70992S	GRM71282S
	Extra Shelf	ZB70872S	ZB70992S	ZB71282S

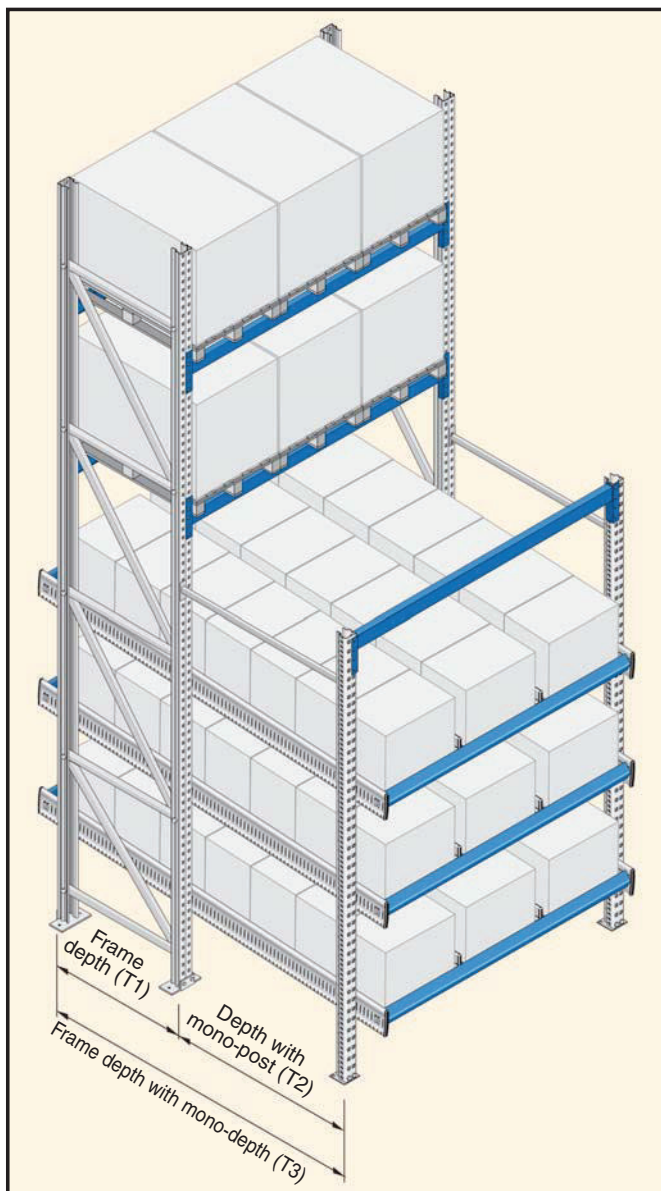
KDR Carton Flow Rack

Order picking based on the first-in, first-out principle, allows for faster and more efficient stock rotation. The major difference between static storage and live storage is the reduction of travel time, when using carton flow. Live storage reduces the need for large inventories, shortens walking distances between picking locations, which lowers operator fatigue, and increases productivity.

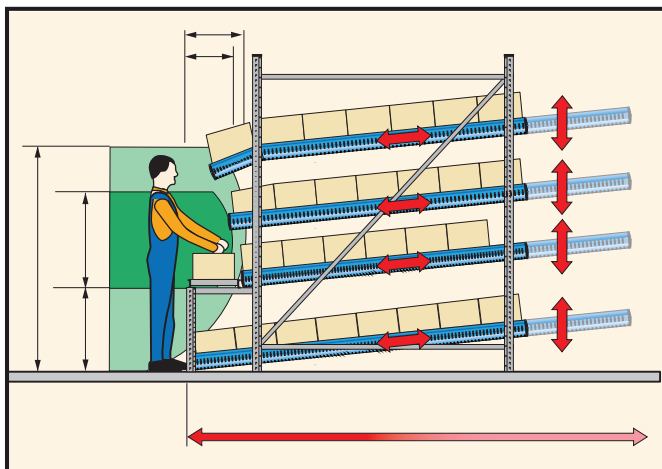
These images show the exact scenario using static shelving versus KDR. It is clear that using KDR reduces the amount of space needed in your facility considerably and at the same time separates the picker from the replenisher whilst reducing their travel time (in general by 60%).

The stock flows naturally to the picker and eliminates deep reaching. When empty, the carton is removed and new stock automatically rolls to the front. When comparing the pick rates of various styles of shelving, KDR is comparable to Carousels.





Arrangement with palletised buffer stock



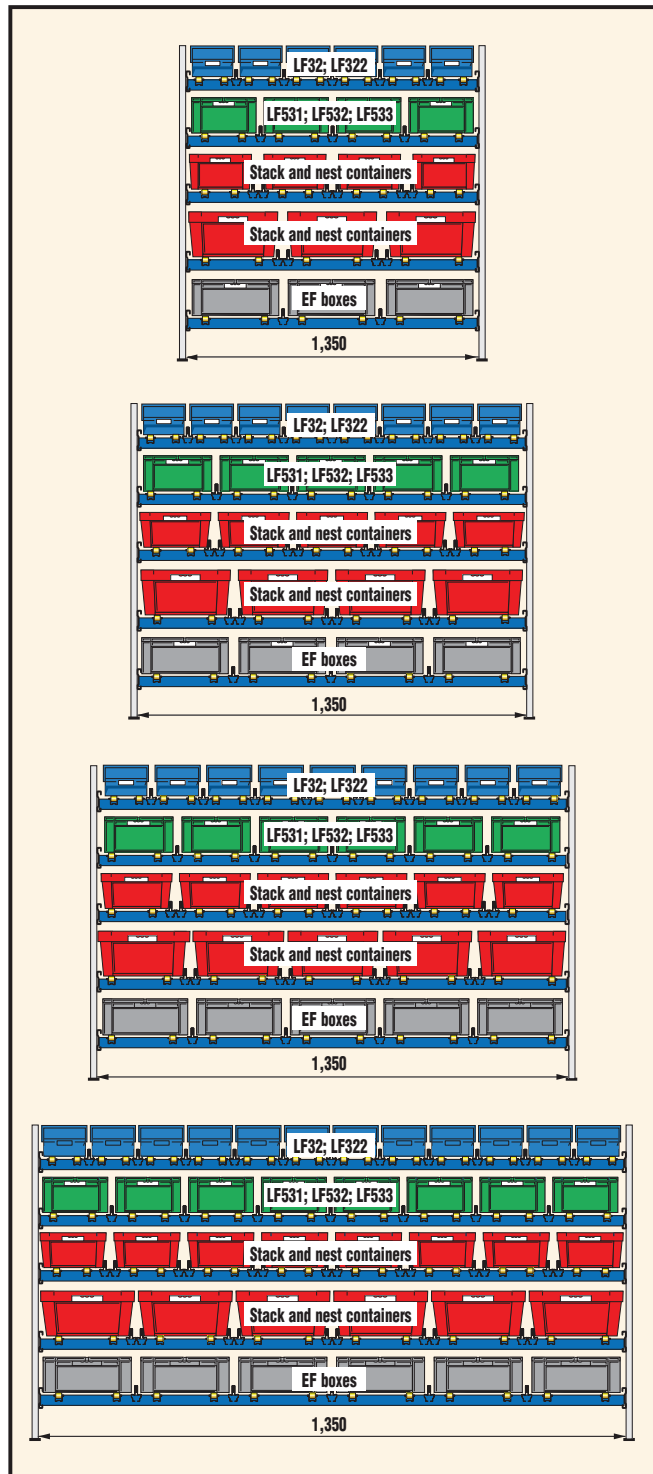
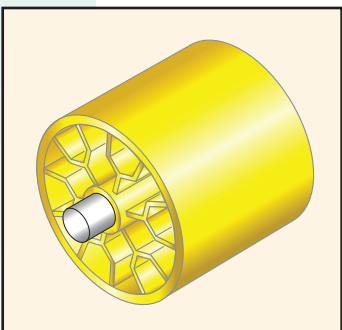
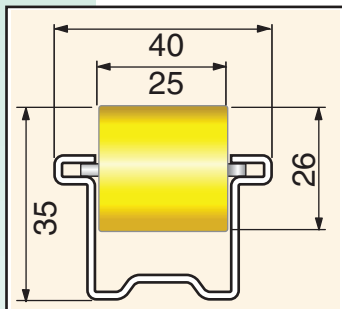
SSI Schaefer's KDR Flow Rack is a tougher, more versatile choice, for a worker friendly system. It brings unsurpassed strength and flexibility to your assembly line and order picking operations. When integrated with conveyors, shelving, racking and other Schaefer products, KDR flow rack becomes an integral part of a total system solution. This system can also be incorporated into new or existing pallet racking by using SSI's special adapter brackets that fit most brands of pallet racking.

Frames

SSI Schaefer's KDR frames are designed for high load capacities of up to 9,900 lbs. The strengthened base plate provides improved load distribution over the floor surface. The roll formed profile of the frame provides the strength and has pre-punched slots that allow for angle and height adjustment of the flow beds. Vertical adjustability of the flow beds in increments of 6.25 mm allows for customization and maximum adaptation, efficiency and worker safety. Unrestricted positioning of flow beds in increments of 25 mm horizontally (front/back) also helps to achieve better ergonomic picking. Galvanized finish of the frame offers a clean look.

Flow Beds

The flow beds come in a large range of bay widths and depths to suit varying applications. Load capacity of the flow bed can be easily increased at any time by simply adding additional cross-beams. All round adjustments allow you to adapt the width and depth of each flow bed to suit your needs at any time. Beds are available as flat without chute, flat with chute and angled bed with chute. The angled front chute increases visibility of product to aid with quicker picking time. Impact resistant rollers are equipped with steel axles, which easily support 26 lbs. each. Plastic axles are also available. SSI Schaefer's flow rack is available in 24 standard sizes or you can customize to suit your requirements. Many of the SSI containers types and sizes fit on the KDR flow beds precisely, minimizing loss of space, a Schaefer speciality.





Pick by Light

KDR is ideal for Pick by Light (PBL) applications. When live storage is used together with PBL, the average picking rate per person is increased from 150-250 picks per hour to 350-450 picks per hour.

SSI Schaefer's KDR features many configurations for fixing the PBL units to the bed, which ensures optimal visibility of the light unit, regardless of the height of the bed. In other words, the light units on the top bed, the bottom bed and all the beds in between are facing the picker.



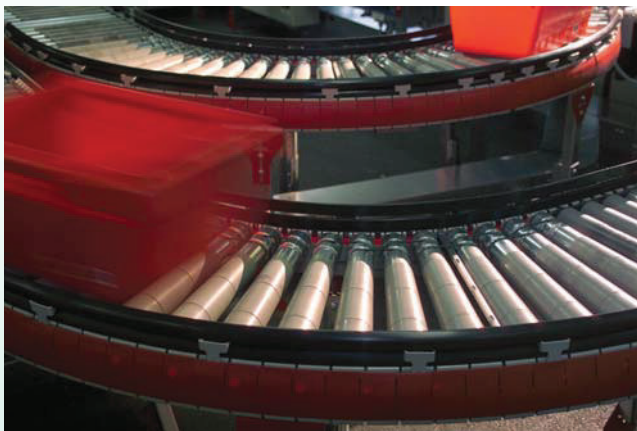
Benefits

- Simple Operation
- Flexible on-line order handling
- Precise on-line stock management
- Short picking distances
- Paperless picking
- Maximum delivery reliability
- Safe under guidance
- Stock control through inventory function
- Maximum Availability thanks to hardware self-check
- Performance increase thanks to Pick-By-Light in connection with conveying system and material flow control
- Transparent order tracking
- Simple maintenance
- Extremely fast training on the simple and clean system

System Structure

The difference between the SSI Schaefer Peem Pick-by-Light and Multi-Light system lies in the number of Pick Faces (quantity displays). While the traditional Pick-by-Light includes a separate display for each compartment, the cheaper Multi-Light system uses only one Pick Face for several compartments. Below these compartments there is a luminous button for active indication of the pick location.





A new generation of conveying systems Opening up new ways for your company

The innovative SSI SCHAEFER PEEM conveying systems excel in flexibility of use. No matter whether you wish to transport cartons or totes of which size you prefer – starting from a base length of 180 mm your products will reach their destination in no time.

High throughput and diversion rates (up to 6,000 items/hour) in the sorting area guarantee an efficient order processing. Sophisticated logistics solutions form the basis of a continuous flow of goods (e.g. separation between goods-in and picking area).

Intelligent conception, sophisticated design details and advanced technologies

- Conveying system with solid C-profile
- Standardized profile for roller conveyors and belt conveyors
- Profile internal space usable as cable channel
- Separating plate in profile serves as electrical shielding of data lines
- Flexible conveyor railings are clipped onto the conveying system's profile shape, homogenous characteristics, standardized for all conveyor elements
- Ergonomic design with rounded-off edges
- Profile outer edge almost entirely covered by synthetic material with touch-friendly surface
- Easy accessibility for maintenance purposes also during operation
- Uncomplicated spare parts management



For further information please contact
your sales representative.



Pallet Racking Systems



SELECTIVE

The Versatile Pallet Storage Rack

Our most versatile product, Selective Rack, provides efficient use of space and immediate access to every load stored. A wide range of sizes, gauges and accessories are available. Narrow key-holes produce greater cross-sectional strength, increasing overall capacity and safety. Wedging studs draw the beam end plate firmly against the column. This patented beam to frame connection technique creates the most rigid system available. Beam heights are easily adjustable to accommodate new load sizes. Pallet Rack is also available in structural steel — a debris-free solution ideal for food applications.



DRIVE-IN

High-Density Storage System

Because Drive-In/Drive-Thru Rack requires fewer aisles, you can store up to 75% more pallets than with conventional pallet rack. A forklift drives directly into the rack, allowing storage of six or more pallets deep. Drive-In uses a common entry and exit. Drive-Thru has a separate entry and exit. Welded frame construction provides high rigidity and strength; placement of frames and reinforcing struts is computer-calculated to match individual upright section requirements. This space saving rack is also available in structural steel.



PUSH BACK

More Picking Faces/Fewer Aisles

If your need is multiple pick-facing with extremely high throughput, Push-Back Rack is ideal. This versatile form of pallet flow rack stores pallets two, three or four deep using telescoping carriages. Pallets are fed and retrieved from one aisle, making Push-Back ideal for applications that require a large number of picking faces. It also reduces picking times while increasing throughput in high density storage and retrieval situations.



PALLET FLOW

First-In/First-Out High Density Storage

A First-In/First-Out retrieval system, Live Pallet Storage can double or triple capacity compared to drive-in or conventional pallet rack. It's ideal for freezer warehouse, food distribution centers, or for storage of high volume consumer goods. If your operation involves a significant amount of pallet or carton order picking, Live Pallet can save you time, warehouse space and money.



**Strong.
Smart.
Schaefer.**



Schaefer container systems are the result of ongoing research into industry trends and Schaefer's commitment to serve its customers. Today, Schaefer's product range is one of the largest available to the market. It incorporates containers that interface with the latest automated materials handling systems as well as containers that are ergonomically designed for manual handling. To meet the most stringent quality requirements, containers are injection molded from high density polypropylene or polyethylene.

Schaefer containers offer quality, durability, a variety of features, and a large selection of accessories to meet all types of applications. Schaefer containers are unique in that they are part of a system. They are compatibly sized to stack and interstack. The containers cube out the space on Schaefer shelving and other shop and plant equipment. Schaefer's line of returnable containers has demonstrated its financial value by reducing shipping costs and eliminating the cost of purchasing and disposing of cardboard containers. At the same time, SSI containers reduce the impact on our environment. Currently, Schaefer offers more than 1,000 different containers, and every year we design containers to meet new applications.

**STACK ONLY
CONTAINERS**

**NEST ONLY
CONTAINERS**

**180° STACK
AND NEST
CONTAINERS**

**STACK AND
NEST BAIL
CONTAINERS**

**SEMI-OPEN
FRONT**

**COLLAPSIBLE
CONTAINERS**

**SHELF BOX
CONTAINERS**

**PLASTIC
BULK
CONTAINERS**

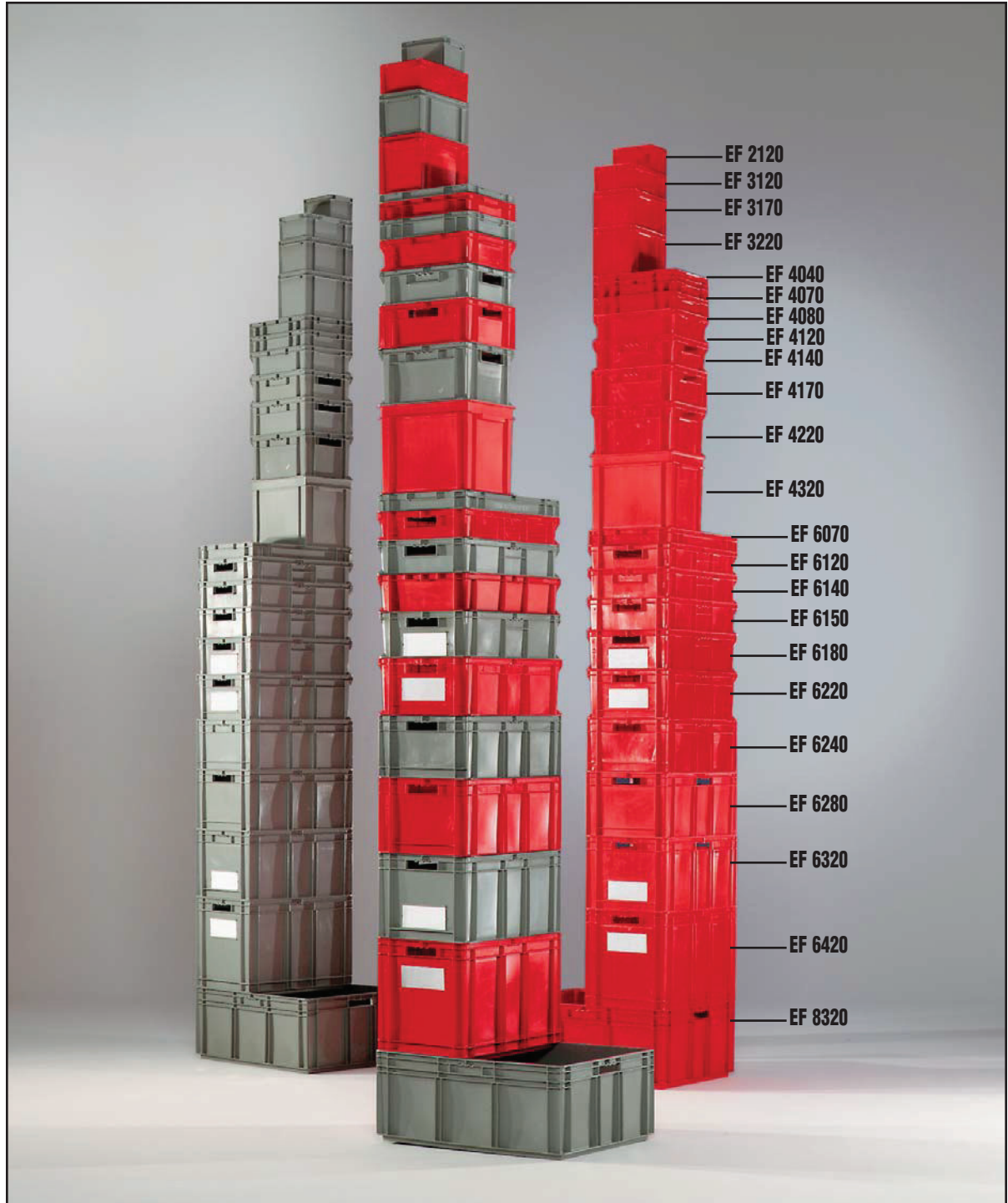
**STEEL
CONTAINERS**

**CONDUCTIVE
CONTAINERS**

**FOOD
HANDLING AND
STORAGE
CONTAINERS**

**ROLL-OUT
WASTE AND
RECYCLING
CONTAINERS**

Euro-Fix Containers with Solid Base and Solid 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.



Product Line 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 high density polyethylene 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. Min. 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

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

Euro-Fix Container with Solid Base and Solid Sides

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	MAXIMUM STACK LOAD
EF 2120	7.9 x 6.0 x 4.7"	6.4 x 4.5 x 3.9"	0.07	0.6	55	1320
EF 3120	11.9 x 7.9 x 4.7"	10.5 x 6.5 x 3.9"	0.15	1.1	55	1320
EF 3170	11.9 x 7.9 x 6.7"	10.5 x 6.5 x 5.7"	0.23	1.4	55	1320
EF 3220	11.9 x 7.9 x 8.7"	10.5 x 6.5 x 7.7"	0.32	1.8	55	1320
EF 4070	15.8 x 11.9 x 3.0"	14.4 x 10.5 x 2.0"	0.24	1.7	55	1320
EFR 4070*	Collar	-	-	-	-	-
EF 4120	15.8 x 11.9 x 4.8"	14.4 x 10.5 x 4.0"	0.38	1.8	55	1320
EF 4140	15.8 x 11.9 x 5.6"	14.4 x 10.5 x 4.6"	0.45	2.0	55	1320
EF 4170	15.8 x 11.9 x 6.7"	14.4 x 10.5 x 5.7"	0.55	2.4	55	1320
EF 4220	15.8 x 11.9 x 8.7"	14.4 x 10.5 x 7.7"	0.71	2.9	55	1320
EF 4320	15.8 x 11.9 x 12.6"	14.4 x 10.5 x 12.2"	1.04	3.7	55	1320
EF 4440	15.8 x 15.8 x 16.6"	14.4 x 14.4 x 15.6"	1.90	6.6	55	1320
EF 6070	23.7 x 15.8 x 3.0"	22.3 x 14.4 x 2.3"	0.50	2.6	55	1320
EFR 6070*	Collar	-	-	-	-	-
EF 6120	23.7 x 15.8 x 4.8"	22.3 x 14.4 x 3.8"	0.82	3.5	55	1320
EF 6140	23.7 x 15.8 x 5.6"	22.3 x 14.4 x 4.6"	0.97	3.7	55	1320
EF 6150	23.7 x 15.8 x 6"	22.3 x 14.4 x 5.0"	1.04	3.9	55	1320
EF 6180	23.7 x 15.8 x 7.1"	22.3 x 14.4 x 6.1"	1.25	4.4	55	1320
EF 6220**	23.7 x 15.8 x 8.7"	22.3 x 14.4 x 7.7"	1.54	5.6	55	1320
EF 6240	23.7 x 15.8 x 9.5"	22.3 x 14.4 x 8.5"	1.68	5.7	55	1320
EF 6280	23.7 x 15.8 x 11.3"	22.3 x 14.4 x 10.3"	2.00	6.5	55	1320
EF 6320**	23.7 x 15.8 x 12.6"	22.3 x 14.4 x 11.6"	2.25	6.8	55	1320
EF 6420**	23.7 x 15.8 x 16.6"	22.3 x 14.4 x 15.6"	2.96	9.2	55	1320
EF 8320	31.5 x 23.7 x 12.6"	30.2 x 22.3 x 11.6"	4.59	12.4	55	1320

* Collar raises the container height by 2.5" Note: All specifications are nominal

** 7.5 x 5.5" index card holder is standard

Reinforced Bottom Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	MAXIMUM STACK LOAD
EF 6150 VB	23.7 x 15.8 x 6"	22.3 x 14.4 x 4.4"	0.93	5.6	110	1320
EF 6180 VB	23.7 x 15.8 x 7.1"	22.3 x 14.4 x 5.5"	1.14	4.4	110	1320
EF 6220 VB	23.7 x 15.8 x 8.7"	22.3 x 14.4 x 6.1"	1.43	6.8	110	1320
EF 6280 VB	23.7 x 15.8 x 11.3"	22.3 x 14.4 x 9.7"	1.89	6.7	110	1320
EF 6320 VB	23.7 x 15.8 x 12.6"	22.3 x 14.4 x 11.0"	2.14	7.6	110	1320
EF 6420 VB	23.7 x 15.8 x 16.6"	22.3 x 14.4 x 15.0"	2.85	9.9	110	1320

Euro-Fix Containers with Mesh Base and Sides



Schaefer's complete line of distribution and storage containers. Made of high-density polyethylene,

the Euro-Fix Container is available with solid sides and bottom (previous page) and in mesh versions, shown here.





Euro-Fix Container with Solid Base and Mesh Sides

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD
EF 4121	15.8 x 11.9 x 4.8"	14.4 x 10.5 x 4.0"	0.38	1.8	55
EF 4141	15.8 x 11.9 x 5.6"	14.4 x 10.5 x 4.6"	0.45	1.9	55
EF 4171	15.8 x 11.9 x 6.7"	14.4 x 10.5 x 5.7"	0.55	2.1	55
EF 4221	15.8 x 11.9 x 8.7"	14.4 x 10.5 x 7.7"	0.71	2.6	55
EF 4441	15.8 x 15.8 x 16.6"	14.4 x 14.4 x 15.6"	1.90	5.1	55
EF 6121	23.7 x 15.8 x 4.8"	22.3 x 14.4 x 3.8"	0.82	3.3	55
EF 6141	23.7 x 15.8 x 5.6"	22.3 x 14.4 x 4.6"	0.97	3.2	55
EF 6151	23.7 x 15.8 x 6.0"	22.3 x 14.4 x 5.0"	1.04	3.3	55
EF 6181	23.7 x 15.8 x 7.1"	22.3 x 14.4 x 6.1"	1.25	3.6	55
EF 6221	23.7 x 15.8 x 8.7"	22.3 x 14.4 x 7.7"	1.54	4.7	55
EF 6241	23.7 x 15.8 x 9.5"	22.3 x 14.4 x 8.5"	1.68	4.7	55
EF 6281	23.7 x 15.8 x 11.3"	22.3 x 14.4 x 10.3"	2.00	5.4	55
EF 6321	23.7 x 15.8 x 12.6"	22.3 x 14.4 x 11.6"	2.25	5.3	55
EF 6421	23.7 x 15.8 x 16.6"	22.3 x 14.4 x 15.6"	2.96	7.7	55
EF 8321	31.5 x 23.7 x 12.6"	30.2 x 22.3 x 11.6"	4.59	11.2	55

Note: All specifications are nominal

Euro-Fix Container with Mesh Base and Mesh Sides

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	MAXIMUM STACK LOAD
EF 4123	15.8 x 11.9 x 4.8"	14.4 x 10.5 x 3.9"	.37	1.6	33	1320
EF 4143	15.8 x 11.9 x 5.6"	14.4 x 10.5 x 4.5"	.44	1.8	33	1320
EF 4173	15.8 x 11.9 x 6.7"	14.4 x 10.5 x 5.6"	.54	2.0	33	1320
EF 4223	15.8 x 11.9 x 8.7"	14.4 x 10.5 x 7.7"	.70	2.3	33	1320
EF 4443	15.8 x 15.8 x 16.6"	14.4 x 14.4 x 15.6"	1.89	4.8	33	1320
EF 6123	23.7 x 15.8 x 4.8"	22.3 x 14.4 x 3.8"	.80	2.9	33	1320
EF 6143	23.7 x 15.8 x 5.6"	22.3 x 14.4 x 4.6"	.95	2.8	33	1320
EF 6153	23.7 x 15.8 x 6.0"	22.3 x 14.4 x 5.0"	1.02	2.9	33	1320
EF 6183	23.7 x 15.8 x 7.1"	22.3 x 14.4 x 6.1"	1.23	3.0	33	1320
EF 6223	23.7 x 15.8 x 8.7"	22.3 x 14.4 x 7.7"	1.51	4.3	33	1320
EF 6243	23.7 x 15.8 x 9.5"	22.3 x 14.4 x 8.5"	1.66	4.4	33	1320
EF 6283	23.7 x 15.8 x 11.3"	22.3 x 14.4 x 10.3"	1.98	4.8	33	1320
EF 6323	23.7 x 15.8 x 12.6"	22.3 x 14.4 x 11.6"	2.23	4.8	33	1320
EF 6423	23.7 x 15.8 x 16.6"	22.3 x 14.4 x 15.6"	2.94	6.8	33	1320

Designed for Versatility

Euro-Fix containers are sturdy yet light-weight, 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.

Special Euro-Fix Containers



Designed with a variety of front and side openings to meet specific applications.

- Mesh front, sides and back, perforated fronts, or combinations of these can be provided
- Corner feet for extra stacking stability are available
- Reduced stacking rim option increases internal height by ½" when stacked
- When ordering, please use model number plus item number, i.e., EF 4120 G1. Minimum quantities apply

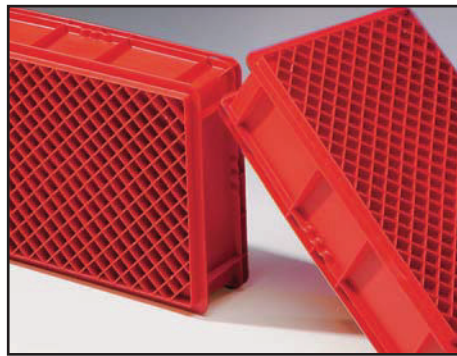




Some containers are available with reinforced bottoms (see items labeled VB in chart) to support even heavier loads, and for quiet operation in automated storage systems. Min. order quantity: 500

Base

ORDER #	DESCRIPTION	DIMENSIONS
VBS 43	Reinforced Base Insert	14 x 10"
VBS 64	Reinforced Base Insert	22 x 14"



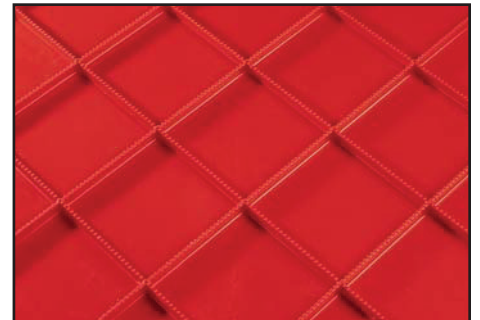
The EF 8320, a 4.59 cubic foot capacity container, features a ribbed traction bottom for maximum load bearing capacity and smooth conveyor operation



Base Inserts



Strong Corners for Greater Load-Bearing Capacity



Serrated Ribs for Maximum Load Bearing Capacity

Special Euro-Fix Containers

EF 6320 EF 6321 EF 6323						
SPECIAL FEATURE	B1	B2	B3	B6	B5	B4
OPENING DIM.	4 x 11"	5.5 x 11"	8 x 11"	14 x 11"	5.75 x 19"	9.5 x 19"

EF 6420 EF 6421 EF 6423						
SPECIAL FEATURE	A1	A2	A3	A4	A5	A7
OPENING DIM.	5.75 x 11"	12 x 11"	14 x 11"	14.33 x 14"	5.75 x 19"	14.5 x 20.67"

EF 4120 EF 4121 EF 4123			
SPECIAL FEATURE	G1	G2	G2
DESCRIPTION	Perforated	Label Holder	Hand Grip

EF 4220 EF 4221 EF 4223		
SPECIAL FEATURE	F1	F2
DESCRIPTION	4.76 x 7	Hand Grip

EF 6120 EF 6121 EF 6123	
SPECIAL FEATURE	E1
DESCRIPTION	Reduced Stacking Lip

EF 6220 EF 6221 EF 6223			
SPECIAL FEATURE	D1	D3	D4
DESCRIPTION	3.5 x 11"	16 Holes On All Longitudinal Sides	Corner Feet Increase Stacking Stability

EF 6240 EF 6241 EF 6243		
SPECIAL FEATURE	C1	C2
DESCRIPTION	5.75 x 19"	Reduced Stacking Lip Increases Inside Height

Accessories: Euro-Fix Boxes

Scalloped Handle Insert

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

Index Cards

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

Label Holder

- Fits all Euro-Fix containers

Collar

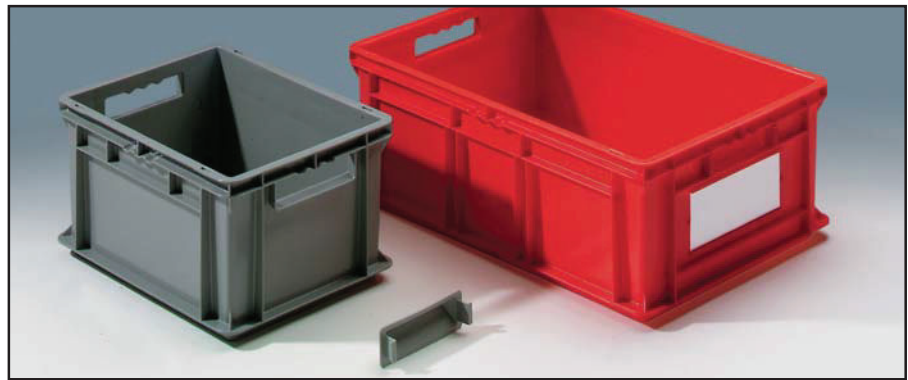
EFR 4070

EFR 6070

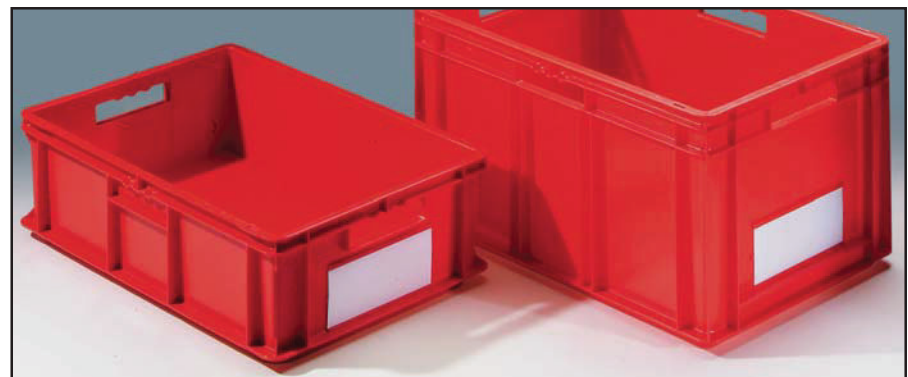
Collar raises the container height by 2.5" (see page 51 for dimensions)

Euro-Fix Accessories

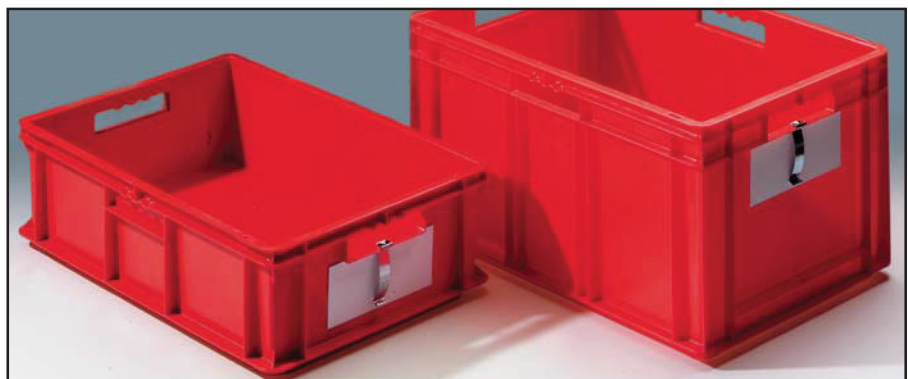
ORDER #	DESCRIPTION	DIMENSIONS
GV EF	Scalloped Handle Insert	–
EHE 14/6	Index Cards	7.5 x 5.5"
EF E	Label Holder	–



Scalloped Handle Insert



Index Cards



Label Holder



**Euro-Fix Pallet and Top Cap****Pallets and Top Caps**

ORDER #	OUTSIDE DIM. L x W x H
EF T 4840	48.0 x 40.9 x 1.525"
EF P 4840	48.0 x 40.0 x 6.125"
LTSP	31.5 x 23.5 x 6"

Lift Trolley

ORDER #	OUTSIDE DIM. L x W x H	CAPACITY (LBS)
SHE	37.0 x 21.0 x 8.0"	440

Roll-Fix

ORDER #	TYPE OF WHEELS	PLATFORM DIMENSIONS	OVERALL HEIGHT	CAPACITY (LBS)
RO 460	Plastic wheels	24.0 x 16.0"	5"	440
RO 461	Solid rubber wheels	24.0 x 16.0"	5"	440

**Lift Trolley****Roll-Fix with Reinforced Bottom**

Euro-Fix Accessories

Lift Trolley

- Effortlessly moves heavy containers
- Easy to maneuver in narrow aisles and around corners
- Durable, practical design
- Grey-blue enameled steel frame
- Rubber wheels mounted on roller bearings
- 8" and 5" swivel casters
- Foot pedal and handle lower and raise containers

Roll-Fix

- Moves stacks of containers to where they're needed
- General purpose trolley for moving heavy goods
- High density solid polyethylene base
- 0.5" safety rim
- Two fixed wheels and two casters, 3" diameter
- Three types of wheels available
- Conductive model on request

Pallets and Top Caps

- Rugged, durable thermoplastic construction
- Smooth deck and outer rim with retaining lip
- Four way entry for use with pallet jack and /or fork lift
- Nestable (EFP version only)
- Stackable (LTSP version only)
- Compatible top cap for EFP pallet only



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

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

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

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

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

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

- Fits the following:

EF 6320	EF 6321
EF 6323	EF 6280
EF 6281	EF 6220
EF 6221	EF 6223
EF 6150	EF 6151
EF 6153	EF 4170
EF 4171	EF 4173
EF 6140	EF 6141
EF 6143	

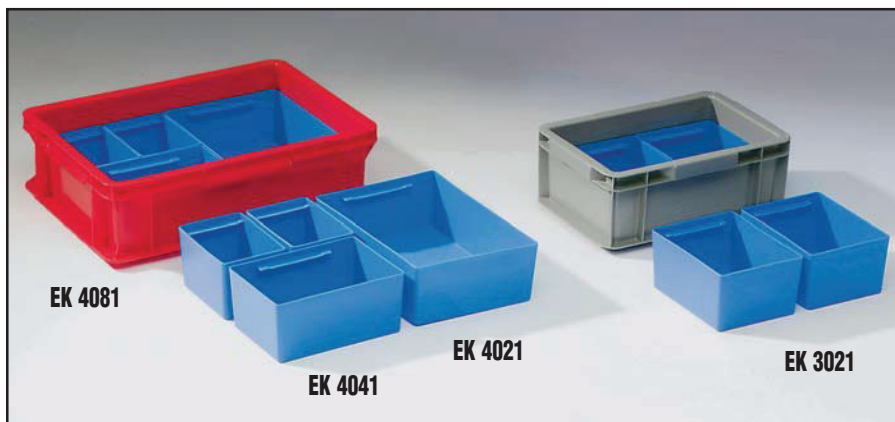
ORDER #	DIMENSIONS
EF D 21	7.8 x 5.9"
EF D 32	11.8 x 7.8"
EF D 43	15.7 x 11.8"
EF D 43 PP	15.7 x 11.8"
EF D 44	15.7 x 15.7"
EF D 64	23.6 x 15.7"
EF D 64 PP	23.6 x 15.7"
ADH 86	31.5 x 23.7"

ORDER #	DIMENSIONS
EF D 21 S	7.8 x 5.9"
EF D 32 S	12 x 8"
EF D 43 S	16 x 12"
EF D 43 PP/S*	16 x 12"
EF D 64 S	24 x 16"
EF D 64 PP/S*	24 x 16"
EFDSPRING	Reinforcing rings, 2 needed per lid
EFDCLIP	Locking clip for lid

Lid Hinges and Reinforcing Ring



Locking Lid Clip

**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

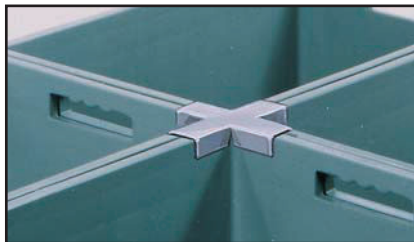
4-Way Connector Clip

- 4-way connector clip for 24" x 16" and 16" x 12" Euro-Fix Containers

**Euro-Fix Sub-Containers**

ORDER #	DIM. L x W x H
EK 3021	6.18 x 4.9 x 3.14
EK 4021	10.5 x 7.04 x 3.14
EK 4041	7.04 x 5.07 x 3.14
EK 4081	5.07 x 3.54 x 3.14
EK 6021	21.9 x 7.04 x 3.14
EK 6041	10.98 x 7.04 x 3.14
EK 6041 L	21.9 x 3.54 x 3.14
EK 6081	7.04 x 5.51 x 3.14
EK 6161	5.51 x 3.54 x 3.14
EK 6022	21.9 x 7.04 x 5.9
EK 6042	10.98 x 7.04 x 5.9

Note: All specifications are nominal

**4-Way Connector Clip****Connector Clip**

ORDER #	DESCRIPTION
EFK	4-way connector clip

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

16 x EK 111	8 x EK 112	4 x EK 113
1 x EK 115 2 x EK 114	4 x EK 114	2 x EK 115

Euro-Fix Sub-Containers

ORDER #	DIM. L x W x H
EK 111	5.4 x 3.5 x 4.4"
EK 111-N	5.4 x 3.5 x 3.8"
EK 112	6.9 x 5.4 x 4.4"
EK 112-N	6.9 x 5.4 x 3.8"
EK 113	10.8 x 6.9 x 4.4"
EK 113-N	10.8 x 6.9 x 3.8"
EK 114	21.7 x 3.5 x 4.4"
EK 114-N	21.7 x 3.5 x 3.8"
EK 115	21.7 x 6.9 x 4.4"
EK 115-N	21.7 x 6.9 x 3.8"
EK 14-4 PS	13.2 x 7.3 x 3.2"

Note: All specifications are nominal

AF Transtac™ Containers

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

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: grey, green

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 grey; other colors available, minimum quantities apply



48" x 22" footprint



24" x 22" footprint



24" x 15" footprint



12" x 7" and 12" x 15" footprint

AF Transtac™ Containers

ORDER #*	OPTIONS <i>See chart at right for options</i>	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
AF 120705.XA	RA only	12.0 x 7.4 x 5.0"	9.3 x 5.3 x 4.3"	0.12	1.3	55	1320
AF 121505.AA	Any of the options	12.0 x 15.0 x 5.0"	9.3 x 12.9 x 4.3"	0.30	2.2	55	1320
AF 121507.AA	Any of the options	12.0 x 15.0 x 7.5"	9.3 x 12.9 x 6.8"	0.48	3.2	55	1320
AF 121509.AA	Any of the options	12.0 x 15.0 x 9.5"	9.3 x 12.9 x 8.8"	0.62	3.4	55	1320
AF 241505.AA	Any of the options	24.0 x 15.0 x 5.0"	21.3 x 12.9 x 4.3"	0.69	3.8	55	1320
AF 241507.XA	Any of the options	24.0 x 15.0 x 7.5"	21.3 x 12.9 x 6.8"	1.08	4.6	55	1320
AF 241509.XA	Any of the options	24.0 x 15.0 x 9.5"	21.3 x 12.9 x 8.8"	1.41	5.4	55	1320
AF 241411.AA	Standard	24.0 x 15.0 x 10.9"	21.3 x 12.9 x 10.2"	1.62	6.8	55	1320
AF 241514.XA	Any of the options	23.9 x 14.9 x 14.5"	21.3 x 12.9 x 13.8"	2.20	7.4	55	1320
AF 242207.AA	Standard	24.0 x 22.4 x 7.3"	21.3 x 20.4 x 6.7"	1.68	5.8	55	1320
AF 242208.AA	Standard	24.0 x 22.4 x 8.7"	21.3 x 20.4 x 8.1"	2.04	6.5	55	1320
AF 242209.AA	Standard	24.0 x 22.4 x 9.5"	21.3 x 20.4 x 8.9"	2.24	6.8	55	1320
AF 242211.XA	Any of the options	24.0 x 22.4 x 10.9"	21.3 x 20.4 x 10.2"	2.60	7.7	55	1320
AF 242214.XA	Any of the options	24.0 x 22.4 x 14.5"	21.3 x 20.4 x 13.8"	3.50	9.7	55	1320
AF 482207.AR	XR only	48.0 x 22.5 x 7.3"	45.3 x 20.3 x 6.3"	3.38	12.5	44	1320

* Standard Transtac™ containers have solid walls and solid textured bottoms. Outside dimensions are rounded up. Inside dimensions are rounded down. AA = no molded-in card holder, textured bottom; XA = molded-in card holder, textured bottom



AF Options & Accessories

- Mesh wall; smooth or mesh bottom
- Dust Covers
- Label Holders
- Card Holders
- Attachable Card Holders
- Lifting Trolley
- Additional colors are available (available in most sizes, minimum quantity 500)

AF Pallets and Top Caps

Pallets boost efficiency and help standardize distribution in the automotive supply system. AF containers are designed to cube out a 48" x 45" automotive pallet for best use of trailer space.

- Rugged, durable thermoplastic construction
- Smooth deck and outer rim with retaining lip
- Four-way entry for use with pallet jack and fork-lift
- Nestable
- Stackable with foot cover
- Compatible top cap



AF Top Cap

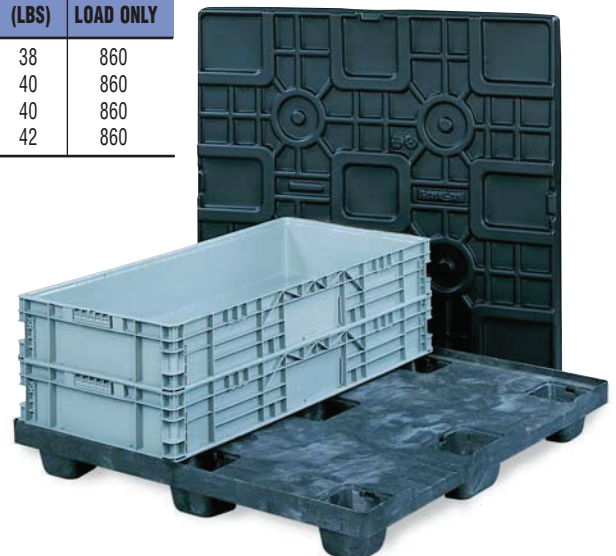
ORDER #	DESCRIPTION	DIMENSIONS	WEIGHT (LBS)
AFT 4845	TOP CAP ONLY	48.75 x 45.75 x 1.5"	20
AFT 4845.2SBABK3	SEAT BELT ASSEMBLY ON 45" SIDE	48.75 x 45.75 x 1.5"	20
AFT 4845.2SBBK3	SEAT BELT ASSEMBLY ON 48" SIDE	48.75 x 45.75 x 1.5"	20
AFT 4845.4SBBK3	4 SEAT BELT ASSEMBLIES	48.75 x 45.75 x 1.5"	20

AF Pallet

ORDER #	DESCRIPTION	DIMENSIONS	HEIGHT	W/LIP	WEIGHT (LBS)	TRUCK LOAD ONLY
AFP 4845.2S	PALLET ONLY	48.75 x 45.75"	5"	6"	38	860
AFP 4845.2SBA BK3	SEAT BELT ASSEMBLY ON 45" SIDE	48.75 x 45.75"	5"	6"	40	860
AFP 4845.2SB BK3	SEAT BELT ASSEMBLY ON 48" SIDE	48.75 x 45.75"	5"	6"	40	860
AFP 4845.4SB BK3	4 SEAT BELT ASSEMBLIES	48.75 x 45.75"	5"	6"	42	860

AF Container Options

ORDER #	ADD TO ORDER # TO SPECIFY THE FOLLOWING
STOCK	Solid wall; solid, textured bottom
WS	Mesh wall; solid, smooth bottom
WV	Mesh wall; mesh bottom
WA	Mesh wall; textured bottom
XS	Smooth bottom
XR	Reinforced bottom (2415-14, 2422-11, 2422-14 and 4822-7 only)
RA	Rimless; solid wall only (1207-05 only)



14/6 Stackable Transport 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.





These high quality HD polyethylene containers are robust, easy to clean and designed with a sturdy stacking rim and hand grips.

PE polyethylene is lightweight, sturdy and resistant to most acids and alkalis. It is also suitable for use with food stuffs and withstands temperatures of between -40° to +80°C.

Four colours (blue, green, red and yellow) facilitates ease of identification when order picking. 14/6 containers offer eleven sizes and six footprints with heights ranging from 2.9" to 11.9". Also available in black conductive plastic (see page 92).

The 14/6 range can be stacked in combination with steel 14/6 and plastic 14/7 containers (see page 98). The 14/6 PE containers are modular with all Schaefer's shelving systems.

14/6 Series Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	MAXIMUM STACK LOAD
14/6 R	18.9 x 13.4 x 4.6"	17.9 x 12.2 x 4.0"	0.57	2.3	22	220
14/6-1	25.6 x 18.6 x 11.8"	24.8 x 18.5 x 11.1"	2.51	9.6	55	440
14/6-2	18.4 x 12.5 x 7.9"	16.85 x 11.8 x 7.2"	0.74	3.2	33	440
14/6-2 F	18.4 x 12.5 x 2.9"	16.85 x 11.8 x 2.2"	0.28	1.8	22	440
14/6-2 G	18.4 x 12.5 x 4.2"	16.85 x 11.8 x 3.5"	0.36	2.4	22	440
14/6-2 H	18.4 x 12.5 x 4.6"	16.85 x 11.8 x 4.0"	0.42	2.3	22	440
14/6-2 Z	18.4 x 12.5 x 11.8"	16.85 x 11.8 x 11.1"	1.17	4.5	33	440
14/6-230	18.4 x 12.5 x 9.1"	16.7 x 11.8 x 8.6"	0.92	3.7	33	330
14/6-3	12.3 x 8.3 x 5.8"	11.8 x 7.8 x 5.1"	0.25	1.4	22	220
14/6-3 S	12.3 x 8.3 x 7.8"	11.8 x 7.8 x 7.1"	0.33	1.4	22	220
14/6-4	8.3 x 6.0 x 4.8"	7.8 x 5.5 x 4.2"	0.09	0.6	17	220

Note: All specifications are nominal

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

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



Lid with Finger Hole



Subcontainers



Clip



Subcontainers (EK 111N)

14/6 Labels and Holders

ORDER #	DESCRIPTION	DIMENSIONS
EHE 14/6	Labels	7.5 x 3"
FLTO 14/6	Top Access	-

14/6 Accessories

ORDER #	DESCRIPTION
KM 14/6	Clips to Hold Orders
SD 14/6-1PL	Lid w/Finger Hole (Opaque)
SD 14/6-2PL	Lid w/Finger Hole (Opaque)
DC 6-2H	Lid w/Finger Hole (Clear)
DC 6-3	Lid w/Finger Hole (Clear)
DC 6-4	Lid w/Finger Hole (Clear)

14/6 Sub-Containers

ORDER #	OUTSIDE DIM. L x W x H	TARE WEIGHT
EK 1	7.1 x 3.8 x 2.4"	0.2
EK 2	3.8 x 3.6 x 2.4"	0.1
EK 3	3.6 x 1.9 x 2.4"	0.1
EK 111	5.4 x 3.5 x 4.4"	0.2
EK 111N	5.4 x 3.5 x 3.8"	0.2

Sub-Container Combinations

3 x EK 1	6 x EK 2	12 x EK 3
9 x EK 111		OTHER

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 Containers

KS 5

- General purpose nestable container
- Stacking lid with access for strapping or banding material
- Made of polyethylene

KS 9

- Compatible with 48" x 40" pallet systems or Euro-pallets
- Pocket handles
- Waterfall cover

KS 18

- 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



KS 5



KS 9



KS 18



Lid for KS 18

KS Lids

FOR CONTAINER	ORDER#
KS 5	KSD 5
KS 9	KSD 9
KS 18	KSD 18



KS 18 Container with Lid and Two KS 52 Containers on Top



KS 18 Containers used with a Mini Load

KS Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KS 5	19.4 x 13.9 x 9.7"	17.2 x 10.5 x 9.7"	18.4 x 12.8 x 9.5"	16.9 x 10.2 x 9.5"	1.17	4.00	3.6	22	220
KS 9	23.8 x 15.8 x 9.7"	20.3 x 12.4 x 9.7"	21.7 x 13.7 x 9.6"	20.0 x 12.1 x 9.6"	1.52	3.10	4.9	22	220
KS 18	30.6 x 21.1 x 12.5"	25.7 x 16.3 x 12.5"	28.3 x 18.9 x 12.2"	25.1 x 15.7 x 12.2"	3.18	4.14	7.7	81	440

Note: All specifications are nominal

KS Containers

KS 51 and KS 52

- 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 51C or KS 52C) permits attachment of reflective pins (KF ST) (min. quantity 1,000)

KSB 5237

- 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



"C" Option For KS 51 and KS 52



KSB 5237



KS 51 with Locking-lid

KS Lids

FOR CONTAINER	ORDER #	DESCRIPTION
KS 51 KSB 5237	KSD 51 KSB ED 5237	Locking Lid Adjustable Lid

KS Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KS 51	19.7 x 14.2 x 4.9"	17.1 x 10.8 x 4.9"	18.1 x 12.6 x 4.7"	16.9 x 10.6 x 4.7"	0.53	1.90	2.7	17	176
KS 52	19.7 x 14.2 x 10.0"	17.3 x 10.8 x 10.0"	18.3 x 12.6 x 9.8"	17.1 x 12.6 x 9.8"	1.13	3.83	4.0	35	352
KSB 5237	22.5 x 14.6 x 10.3"	17.1 x 12.8 x 10.3"	18.6 x 14.2 x 10.1"	16.8 x 12.5 x 10.1"	1.13	4.30	3.6	44	264

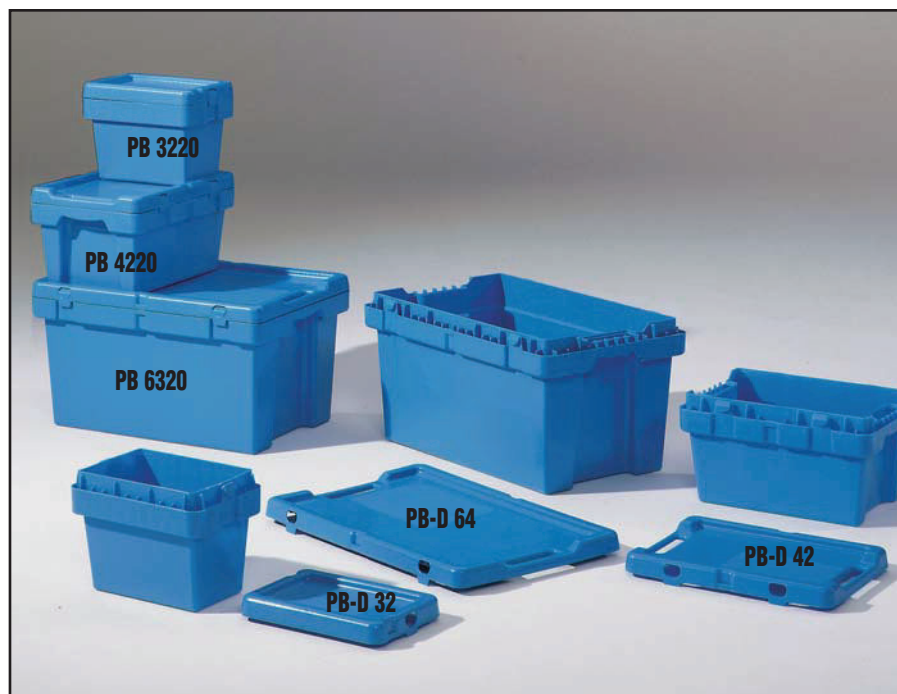
Note: All specifications are nominal

NEST ONLY CONTAINERS

Poolbox®

Extremely rugged, drafted wall construction. Tight-fitting lid with two snaps on each side. Offers optimum protection of goods during transport. Compatible with all conveying systems.

- Label areas on lid and sides
- Bar-code field on upper rim
- Sealable, two positions in rim
- Dust and waterproof with lid
- Blue, other colors available



Poolbox®

Poolbox® Lids

ORDER #	DIMENSIONS L x W	FOR CONTAINER
PB D 64	23.6 x 15.7"	PB 6320
PB D 43	15.7 x 11.8"	PB 4220
PB D 32	11.8 x 7.8"	PB 3220

Poolbox® Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	MAXIMUM STACK LOAD
PB 6320	23.6 x 15.7 x 12.6"	20.0 x 12.8 x 11.6"	1.73	5.0	440
PB 4220	15.7 x 11.8 x 8.6"	12.6 x 9.0 x 7.6"	0.56	2.34	440
PB 3170	11.8 x 7.8 x 6.7"	10.9 x 6.3 x 5.6"	0.24	1.25	440





KS 4217 and KS 6217

KS Containers

KS 4217 and KS 6217

- 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 43

KS 43

- 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

KS Lids

FOR CONTAINER	ORDER #	DESCRIPTION
KS 43	KSD 43 GD	Lid with Gasket
KS 43	KSD S 43	Lid with Clamp
KS 43	KSD 43	—
KS 4217	KSD 4217	Nestable Lid
KS 6217	KSD 6217	Locking Lid

KS Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KS 43	15.6 x 13.0 x 8.3"	13.1 x 10.3 x 8.3"	13.9 x 10.9 x 8.1"	12.9 x 10.1 x 8.1"	0.58	4.00	3.9	23	440
KS 4217	15.7 x 11.8 x 8.6"	14.0 x 9.6 x 8.6"	14.2 x 10.2 x 8.4"	13.8 x 9.5 x 9.5"	0.65	3.68	3.3	33	220
KS 6217	23.6 x 15.7 x 8.6"	21.5 x 14.0 x 8.6"	22.0 x 14.4 x 8.4"	21.3 x 13.8 x 8.4"	1.52	2.90	5.1	33	330
KS 6200	23.7 x 15.8 x 7.9"	18.8 x 13.2 x 7.9"	21.4 x 14.3 x 7.7"	18.7 x 12.9 x 7.7"	1.21	4.00	3.9	33	550
KS 6330	23.6 x 15.7 x 13.0"	24.2 x 13.7 x 13.0"	22.0 x 14.5 x 12.8"	20.9 x 13.4 x 12.8"	2.17	3.50	5.72	33	330
KF 1	24.9 x 15.8 x 11.9"	21.2 x 12.4 x 11.9"	21.8 x 14.0 x 11.6"	21.4 x 12.2 x 11.6"	1.94	3.60	5.3	33	--
KF 2	19.7 x 11.9 x 7.9"	16.6 x 8.8 x 7.9"	17.1 x 10.0 x 7.9"	16.5 x 8.6 x 7.7"	0.78	3.60	4.0	22	--

KS 6200

- For distribution of high value goods
- Tamper-resistant lid and bill of lading area
- Water resistant
- Designed for automated lid placement and conveyor handling
- Ergonomic pocket handles for manual handling
- Protected bar code areas
- Compatible with Euro-pallets or 48" x 40" pallet systems
- Excellent nesting ratio
- Strong
- Made of polypropylene
- Standard color is red



KS 6200

Konfix KF 1 and KF 2

- Hopper front access for easy order picking
- Designed with generously rounded corners, a sturdy rim and ribs to withstand impact on conveyors without breakage, shingling (interlocking) or jamming
- Molded label holder on front rim
- "C" option permits addition of reflective coding plugs (KF ST) for use with photo cells for routing or for use with plastic plugs
- Containers nest when empty, saving valuable floor space
- Top rim and front lip provide comfortable hand hold
- Made of polypropylene
- Available in blue and green

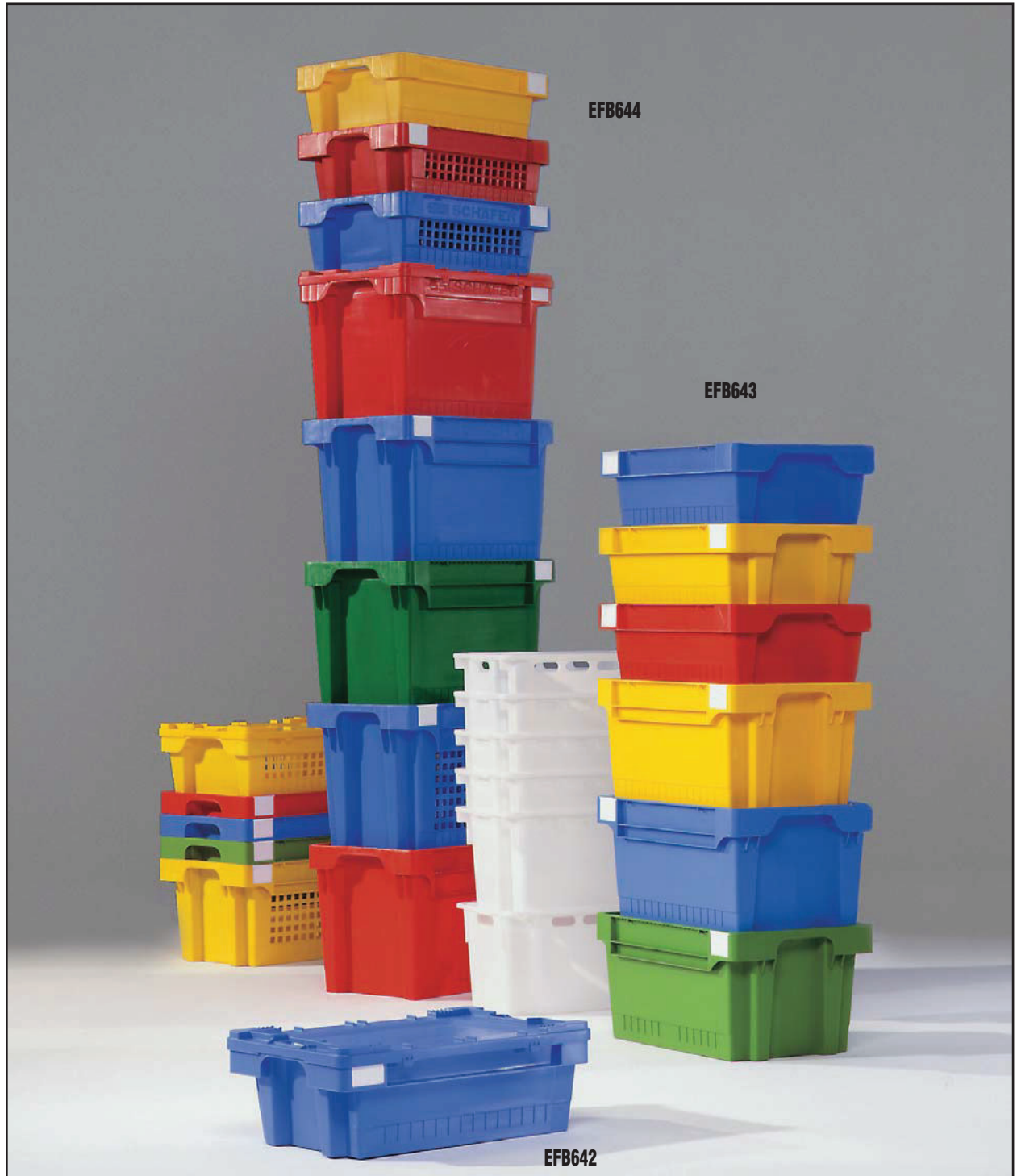


KF Containers

KS Lids

FOR CONTAINER	ORDER #	DESCRIPTION
KS 6200	KSD 6200	Nestable Lid
KS 6330	KSD 6217	Nestable Lid

EFB Containers



EFB containers are one of the strongest 180° stack and nest containers made out of recyclable thermo-plastic material like polypropylene. Designed to withstand industrial

use, they can be used in any application requiring great stacking strength and efficient storage when empty.

Product Line 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



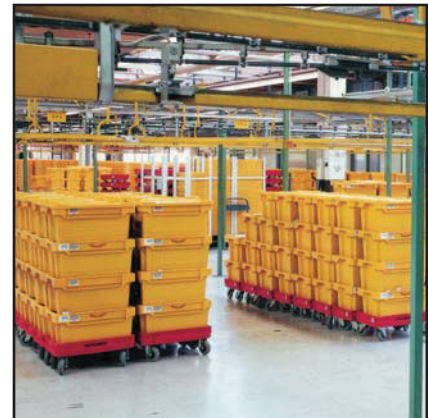
EFB with Solid Sides



EFB Lids



EFB with Mesh Sides



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 Sides/Base
EFB LBS 643	Mesh Sides/Base
EFB LBS 644	Mesh Sides/Base

* Minimum quantity: 1,000

EFB Lids

FOR CONTAINER	ORDER #
Fits All Models	EFB D

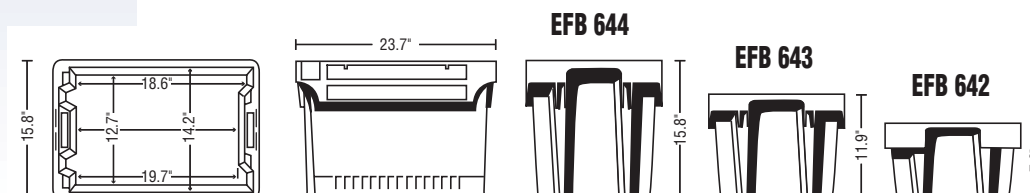
EFB Label Holder

ORDER #	DIMENSION
EFB LABEL HOLDER	3 x 2.25"

EFB Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
EFB 642	23.7 x 15.8 x 7.9"	21.2 x 13.1 x 7.9"	19.9 x 14.2 x 7.1"	18.6 x 12.7 x 7.1"	1.27	3.2	4.4	70	396
EFB 643	23.7 x 15.8 x 11.9"	21.2 x 13.1 x 11.9"	19.9 x 14.2 x 11.1"	18.6 x 12.7 x 11.1"	1.91	3.2	6.3	70	396
EFB 644	23.7 x 15.8 x 15.8"	21.2 x 13.1 x 15.8"	19.9 x 14.2 x 15.0"	18.6 x 12.7 x 15.0"	2.54	3.2	7.7	70	396

Note: All specifications are nominal



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.

Product Line Advantages

KS 1 and KS 16

- Two sizes, two heights, two footprints
- Made of polypropylene
- Designed specifically for use in meat processing facilities
- Ergonomic open hand holds permit use in overhead chain conveyors
- Sidewall slots provide overflow and air-flow management
- Smooth walls with generous corner radii create a strong and easy-to-clean container
- KS 1 is available in red, blue, green and yellow
- KS 16 is available in white only

KS 8

- 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 10

- 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 17

- 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



KS 17



KS 16 with Lid



KS 16 in Use in the Meat Packing Industry

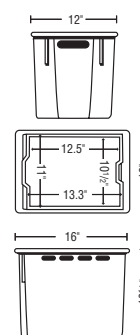
KS Lids

FOR CONTAINER	ORDER #
KS 16	KS D 16

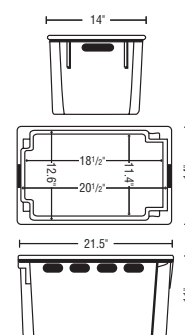
KS 17 Accessories

ORDER #	DESCRIPTION
KS 17 KT	Cross Divider
KS 17 LT	Vertical Divider
KS 17 QT	Horizontal Divider

KS 1



KS 16



KS Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KS 1	15.8 x 11.9 x 10.5"	13.8 x 10.4 x 10.5"	13.3 x 11.0 x 9.6"	12.5 x 10.2 x 9.6"	0.78	3.0	2.7	22	176
KS 8	23.3 x 13.4 x 3.7"	21.7 x 11.9 x 3.7"	21.3 x 12.2 x 3.3"	20.8 x 11.8 x 3.3"	0.51	1.8	2.3	22	176
KS 10	28.4 x 16.6 x 9.9"	25.9 x 13.9 x 9.9"	24.8 x 14.5 x 9.1"	24.0 x 13.6 x 9.1"	1.94	2.6	5.6	44	264
KS 16	21.5 x 13.6 x 11.1"	19.8 x 11.9 x 11.1"	20.3 x 12.6 x 10.2"	18.1 x 11.4 x 10.2"	1.24	2.7	4.1	33	264
KS 17	14.3 x 10.4 x 7.5"	11.7 x 8.4 x 7.5"	12.6 x 9.6 x 7.3"	11.4 x 8.3 x 7.3"	0.37	3.1	2.2	17	176

Note: All specifications are nominal

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 Containers

FB 530

- A smaller version of the FB 604
- Good nest ratio for economical returns and efficient empty storage
- Handles under the reinforced rim
- Made of polyethylene

FB 600

- 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 601

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



FB 530



FB 600 Stackable with Lid



FB 601 Stackable with Lid



FB Lids

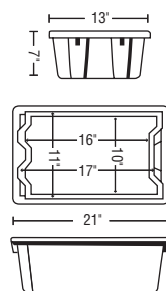
FB Lids

FOR CONTAINER	ORDER #
FB 600	FB D 600
FB 601	FB D 601
FB 604	FB D 604

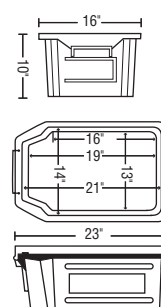
Index Cards

ORDER #	INDEX CARD FOR	DIMENSIONS	QUANTITIES
EHE 14/6	FB 600	7.5 x 3.5"	100 Per Pack

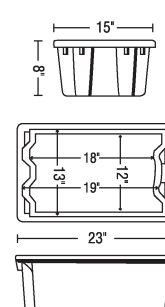
FB 530



FB 600



FB 601



FB Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
FB 530	21.3 x 12.6 x 6.7"	18.9 x 10.1 x 6.7"	17.7 x 11.0 x 6.0"	16.7 x 10.0 x 6.0"	0.60	3.5	4.0	44	330
FB 600	23.7 x 15.8 x 9.9"	19.9 x 13.1 x 9.9"	21.7 x 14.1 x 9.8"	19.7 x 12.8 x 9.8"	1.59	3.6	4.8	44	330
FB 601	23.1 x 14.8 x 7.9"	20.3 x 12.2 x 7.9"	19.0 x 13.0 x 7.1"	16.5 x 11.8 x 7.1"	1.06	4.3	2.7	22	176

Note: All specifications are nominal



FB 603



FB 604

FB Containers

FB 603

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

FB 604

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

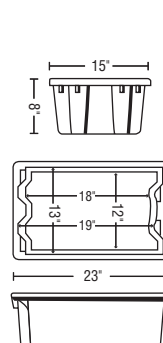
FB 650

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

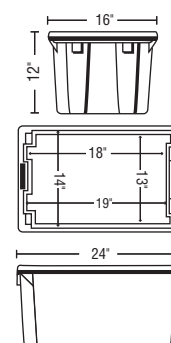


FB 650

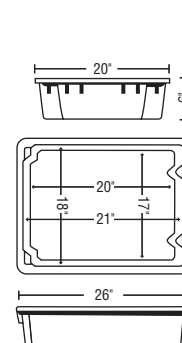
FB 603



FB 604



FB 650



FB Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
FB 603	23.6 x 15.7 x 11.9"	21.2 x 13.3 x 11.9"	22.2 x 14.3 x 11.7"	20.8 x 13.1 x 11.7"	2.01	5.0	4.2	44	330
FB 604	23.7 x 15.8 x 13.8"	20.9 x 12.8 x 13.8"	19.7 x 14.0 x 13.1"	18.7 x 12.0 x 13.1"	2.19	3.1	5.8	66	330
FB 650	25.6 x 19.7 x 5.8"	23.0 x 17.0 x 5.8"	21.2 x 17.9 x 5.7"	21.2 x 16.9 x 5.7"	1.41	3.2	3.3	22	176

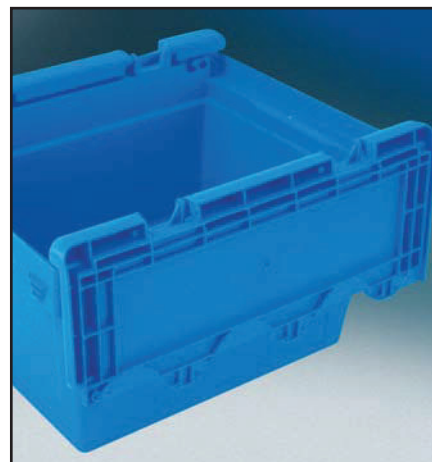
Note: All specifications are nominal

KMB - the multi-purpose container

An outstanding feature of the KMB range of containers is their great versatility in terms of warehousing and material handling applications. It offers an alternative ideal for packaging of fragile items otherwise packed in cardboard boxes or foil packs. Empty containers can be nested, providing space savings of up to 75% and thus reducing storage and transport costs.

Key features and Benefits:

- Conical shape means that empty containers can be stacked to save space
- Temperature resistant from -20° to +90°C
- Ergonomically shaped handles
- Made of polypropylene
- Run with optimum smoothness through conveyor systems
- Anti ride feature for use on conveyor systems
- Textured base good for running on belt inclines and roller conveyors
- Can be handled from any side with automatic stacking equipment
- Attached lid or stacking bar option available



Attached lid



Textured base



Stacking bar

ORDER #	OUTSIDE DIM. L x W x H	DESCRIPTION
KMB 422	16"x12"x8.7"	Nestable, No Lid, No Stacking handles
KMB 617	24"x16"x6.8"	Nestable, No Lid, No Stacking handles
KMB 622	24"x16"x8.7"	Nestable, No Lid, No Stacking handles
KMB 627	24"x16"x10.7"	Nestable, No Lid, No Stacking handles
KMB 632	24"x16"x12.7"	Nestable, No Lid, No Stacking handles
KMB 642	24"x16"x16.6"	Nestable, No Lid, No Stacking handles
KMB 832	32"x16"x12.7"	Nestable, No Lid, No Stacking handles

* When ordering the stacking bar version please add "B" to the part number and for the attached lid version add "DH" to the part number.

KFB and KS Containers



Schaefer bail containers combine the nestability, the convenience and the efficiency of our KS nestable containers with a patented bail design to provide a stacking function. Up to a 4 to 1 nest ratio means significant storage space savings and economic back hauling for shipping and receiving. In addition, many of these containers are compatible with a 48" x 40" pallet or a Euro-pallet.

KS 5245 and KS 4245

- Two sizes and two footprints
- One height
- Made of polypropylene
- Available in green
- 4:1 and 3:1 nest ratio means economical distribution
- Compatible with Euro-pallets or 48" x 40" pallets and top caps
- Two different models interstack and internest to form a secure unitized load when full or empty

- Available with a nestable lid which minimizes lid loss
- Open or closed hand holds

KS 6245

- Ideal design for distribution applications, specifically designed for retail and food distribution
- Mesh wall and bottom
- Easily cleaned
- Made of polypropylene
- Available in beige

KFB and KS Bail Containers

ORDER #	OUTSIDE TOP DIM. L x W x H	OUTSIDE BOTTOM DIM. L x W x H	INSIDE TOP DIM. L x W x H	INSIDE BOTTOM DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KFB 652	23.7 x 19.7 x 9.9"	21.5 x 17.5 x 9.9"	22.4 x 18.3 x 9.7"	21.2 x 17.4 x 8.7"	1.94	3.0	7.7	66	396
KFB 6527	23.7 x 19.7 x 10.5"	21.0 x 17.1 x 10.5"	22.1 x 18.2 x 10.2"	21.2 x 17.4 x 9.5"	1.94	4.3	7.6	66	396
KFB L 652	23.7 x 19.7 x 9.9"	21.5 x 17.5 x 9.9"	22.4 x 18.3 x 9.7"	21.2 x 17.4 x 8.7"	1.94	3.0	6.9	66	396
KS 4245	15.7 x 11.8 x 9.7"	13.0 x 9.1 x 9.7"	14.4 x 10.2 x 9.5"	12.7 x 8.7 x 8.7"	0.68	4.3	2.6	77	396
KS 5245	23.6 x 15.8 x 9.7"	20.9 x 13.0 x 9.7"	22.1 x 14.4 x 9.5"	20.6 x 12.7 x 8.7"	1.53	4.3	4.1	77	396
KS 6245	23.1 x 15.8 x 10.2"	21.2 x 14.1 x 10.2"	21.7 x 14.6 x 10.0"	20.9 x 13.8 x 8.7"	1.69	3.1	3.8	33	264

Note: All specifications are nominal

KFB 652 and KFB 6527

- Designed for distribution of product between parts supplier and manufacturer, or wholesaler and retailer
- 3:1 and 4:1 nest ratios
- 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



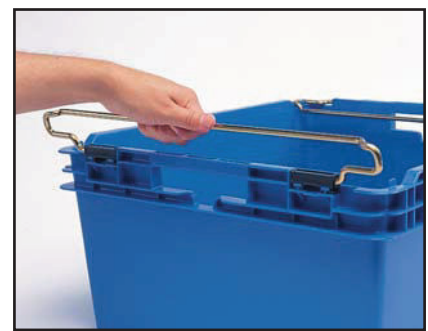
KFB 6527 Stacked on the Bar



KFB 652 with Lid



KFB 652 Nested



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



KFB in the Pharmaceutical Industry

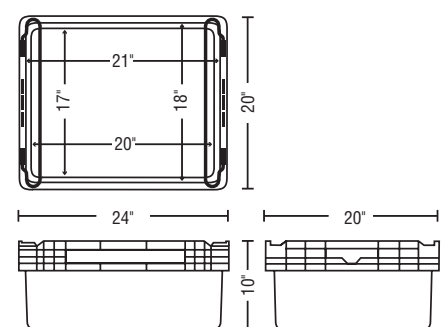
KFB

ORDER #	DESCRIPTION	WITH BAR
KF 652	Solid base/sides	No
KF L 652	Mesh sides	No
KFB 652	Solid base/sides	Yes
KFB L 652	Mesh sides	Yes
KF 6527	Made in USA	No
KFB 6527	Made in USA	Yes

Lids

FOR CONTAINER	ORDER #
KS 4245	KSD 4245
KS 5245	KSD 5245
All KFB	KFD 652

KFB 652



KFB

Semi-Open Front Containers



One of the first plastic hopper front container families. The plastic version of our popular 14/7 semi-open front steel container. These containers are ideal members of a small parts storage system which

utilizes louvered panels, 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.

Semi-Open Front

Product Line 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 341)
- Can be hung on louvered panel (except larger containers: LF 743, LF 543, LF 533 and LF 531)
- Front label holders
- Ergonomic design for easy handling
- Double wall construction for strength, made of polyethylene
- Compatible with SSI free-standing racks, trays, shelving and trolleys



Semi-Open Front Containers

ORDER #	OUTSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT
LF 110	3.8 x 4.0 x 2.0"	0.01	0.1
LF 110M	3.8 x 4.0 x 2.0"	0.01	0.1
LF 210	6.7 x 4.2 x 2.0"	0.02	0.2
LF 211	6.5 x 4.3 x 3.0"	0.03	0.2
LF 221	9.2 x 5.9 x 4.8"	0.10	0.6
LF 321	13.6 x 8.3 x 5.8"	0.26	1.4
LF 322	13.6 x 8.3 x 7.9"	0.37	1.8
LF 341	14.2 x 19.1 x 5.8"	0.60	2.3
LF 511	19.7 x 6.2 x 5.8"	0.27	1.8
LF 531	20.1 x 12.5 x 5.8"	0.57	2.6
LF 532	19.7 x 12.3 x 7.9"	0.83	3.3
LF 533	19.7 x 12.3 x 11.9"	1.34	4.2
LF 543	19.7 x 18.4 x 11.9"	2.01	5.9
LF 743 (14/7-1)	28.2 x 18.6 x 11.9"	2.61	9.4

Note: All specifications are nominal





Wall System

Semi-Open 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 532 and LF 322

Plastic Sleeve

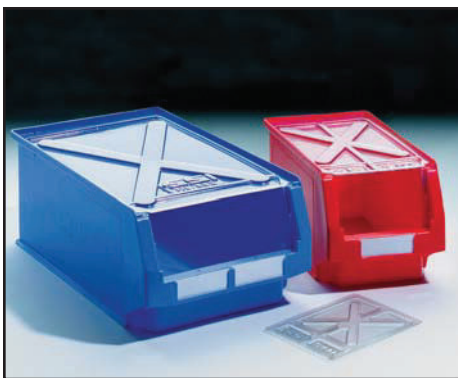
- Self-adhesive, with .5" margins
- Please specify side or top opening

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

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



Plastic Sleeve and Support Bar

LF Plastic Sleeve

ORDER #	DIMENSIONS	FITS CONTAINERS	NUMBER IN PACKAGE
FLT-0 14/6	3.25 x 3.75 x 7.5"	LF 322 & 321	50

LF Support Bars

ORDER #	FITS CONTAINERS
TS 543	LF 543
TS 532	LF 533
TS 532	LF 531
TS 532	LF 532
TS 322	LF 322

CS Transparent Flaps

ORDER #	FITS CONTAINERS
CS 533	LF 533
CS 532	LF 532
CS 322	LF 322
CS 321	LF 321

Semi-Open Front Accessories

Index Pouches

- Rigid, durable base
- Blue plastic back with transparent pouch, .5" deep
- Raised index tab for labeling contents

Recessed Grip

- Handle on the back for easier manual handling

Index Cards

- Stock control index cards and labels can be used



Index Pouches



Recessed Grip



DC Lids for LF Containers



Partition Grooves



Support Bars



ZW Divider

LF Lids

FITS CONTAINER	ORDER #
LF 532	DL 532
LF 532	DC 532
LF 341	DC 341
LF 531	DC 531
LF 531	DC 531
LF 511	DC 511
LF 322	DC 322
LF 322	DL 322
LF 321	DC 321
LF 221	DC 221
LF 211	DC 211
LF 211	DC 211

LF Containers with ZW Dividers

CONTAINER ORDER #	# OF DIVIDER GROOVES	ZW DIVIDER ORDER #
LF 531	1	ZW 531 E
LF 221	1	ZW 221 E
LF 211	1	ZW 211 E
LF 321	1	ZW 321
LF 322	1	ZW 322
LF 341	1-3	ZW 341
LF 511	1	ZW 511
LF 531	1-3	ZW 531
LF 532	1-3	ZW 532
LF 533	1	ZW 533/543
LF 543	1-3	ZW 533/543

LF Index Card & Holder

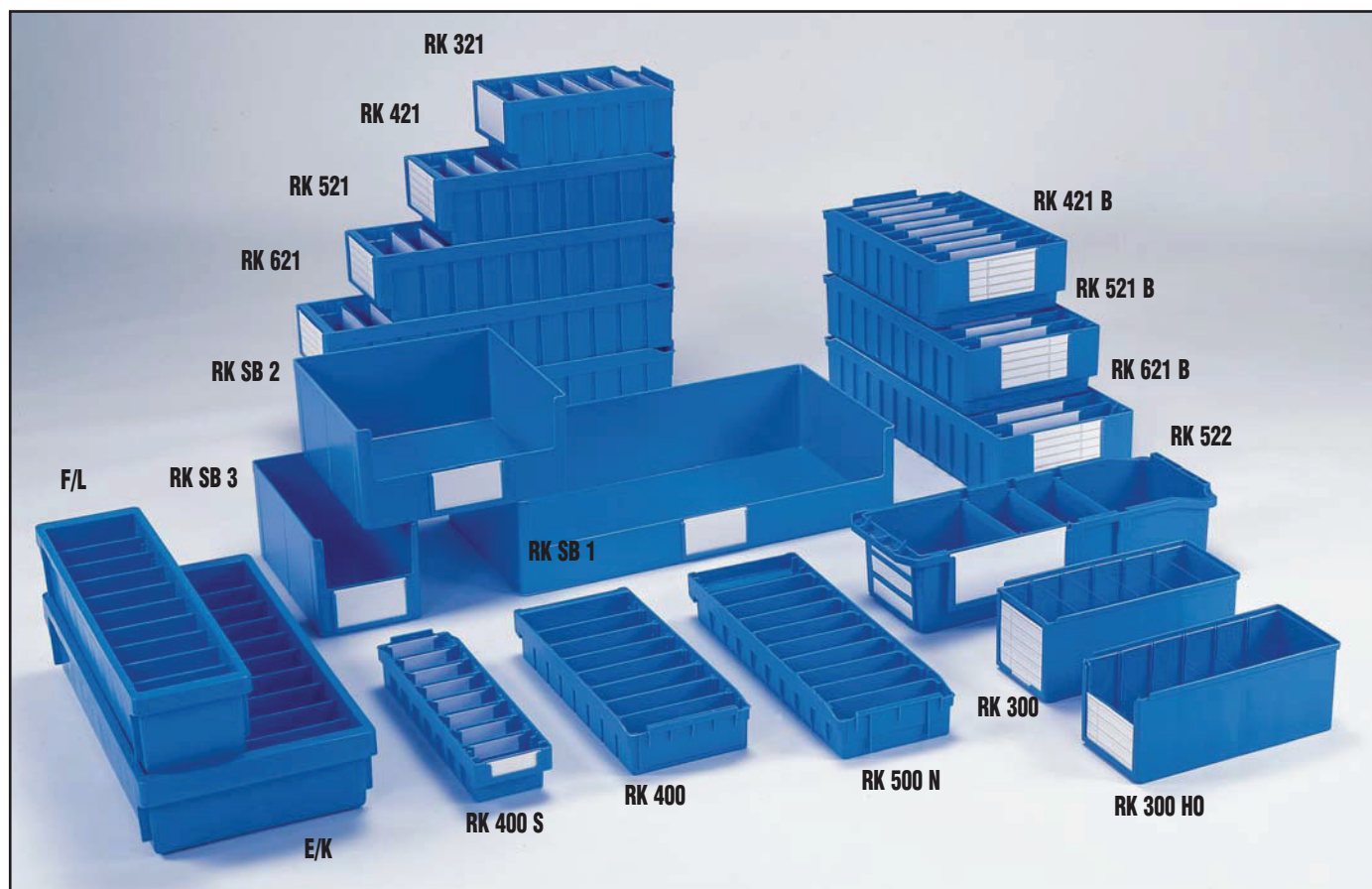
ORDER #	FITS CONTAINERS
IDL110	LF 110
IDL211	LF 211
IDL341	LF 341
IDL511	LF 511
IDL	LF221, LF321, LF322, LF531, LF532, LF533, LF743, (14/7-1)

Index Pouches

ORDER #	DIMENSIONS	FITS CONTAINERS
FKT 3	0.6 x 7.1 x 5.0"	LF 321 PL
FKT 4	0.6 x 4.8 x 4.2"	LF 221 PL & RK 300

Package Quantity 100

RK Shelf Containers



RK Containers

ORDER #	CONTAINERS PER 39" LENGTH	SHELF LAYER HEIGHT	NUMBER OF COMPARTMENTS	UTSIDE DIM. L x W x H	TARE WEIGHT
RK 300	7 per shelf level	6.25"	6	11.9 x 5.4 x 4.8"	0.8
RK 300 HO	7 per shelf level	6.25"	6	11.9 x 5.4 x 4.8"	0.8
RK 300 PP	7 per shelf level	6.25"	6	11.9 x 5.4 x 4.8"	1.0
RK 321	6 per shelf level	6.25"	6	11.5 x 6.4 x 4.6"	0.8
RK 400	6 per shelf level	6.25"	8	16.1 x 6.4 x 2.6"	0.9
RK 400 S	10 per shelf level	6.25"	8	15.4 x 3.9 x 2.6"	0.5
RK 421	6 per shelf level	6.25"	8	16.1 x 6.4 x 4.6"	1.4
RK 421 B	4 per shelf level	6.25"	8	15.4 x 9.6 x 4.6"	1.4
RK 500 N	6 per shelf level	4.17"	10	19.3 x 6.4 x 2.6"	0.9
RK 521	6 per shelf level	6.25"	10	20.0 x 6.4 x 4.6"	1.6
RK 521 B	4 per shelf level	6.25"	10	19.3 x 9.6 x 4.6"	1.7
RK 522	5 per shelf level	6.25"	4	20.5 x 7.5 x 4.8"	1.5
RK 619*	8 per shelf level	—	12	24.4 x 4.6 x 3.5"	1.7
RK 621	6 per shelf level	6.25"	12	23.3 x 6.4 x 4.6"	1.8
RK 621 B	4 per shelf level	6.25"	12	23.3 x 9.6 x 4.6"	1.9
RK 629*	4 per shelf level	—	12	24.4 x 9.1 x 3.5"	1.8
RK 700	5 per shelf level	—	10	28.6 x 7.1 x 3.5"	1.9
RK SB 1	1+ per shelf level	8.34"	1	12.6 x 23.5 x 5.8"	2.8
RK SB 2	3 per shelf level	8.34"	1	12.6 x 11.7 x 5.8"	1.6
RK SB 3	6 per shelf level	8.34"	1	12.6 x 5.8 x 5.8"	1.1
F/L	7 per shelf level	6.25"	10	23.5 x 5.2 x 4.4"	1.8
E/K	3 per shelf level	6.25"	10	23.2 x 10.6 x 4.4"	1.9

Note: All specifications are nominal

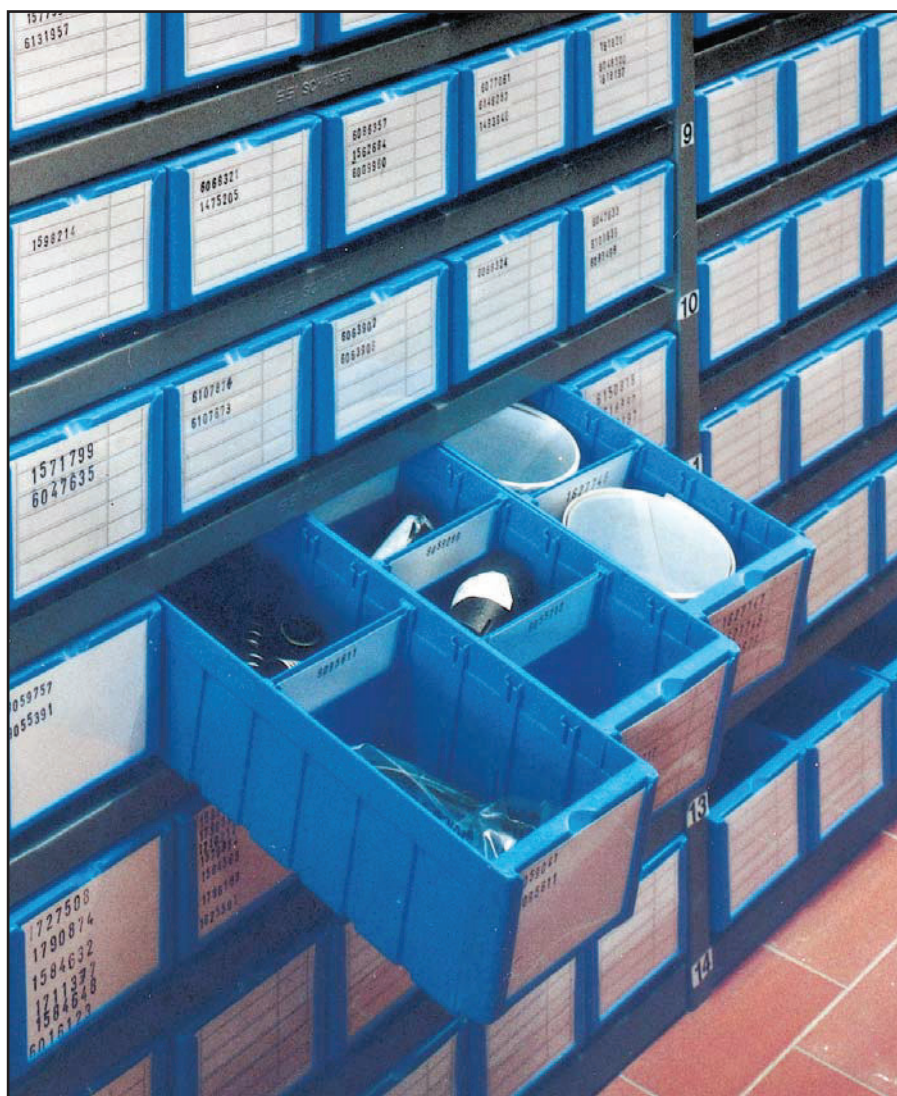
* Available in conductive

Specifically designed to work with Schaefer shelving which means that you will achieve maximum cube utilization in your storage system. Available with a wide range of accessories.



Product Line Advantages

- Designed for high density small parts storage
- Compatible with Schaefer shelving
- Hopper fronts available on some sizes: RK 300 HO, RK-SB 3, RK-SB 2, RK-SB 1
- Made of polystyrene: RK 321, RK 400, RK 421, RK 500, RK 521, RK-SB 3, RK-SB 2 and RK-SB 1
- Made of polypropylene: RK 522
- Made of polyethylene: E/K and F/L RK 300
- Available in blue
- Available with a wide range of accessories: dividers, labels for dividers and containers, and label protectors



RK 522 Labels on the Front and Side

RK Accessories

RK CONTAINER	DIVIDER ORDER #	LABEL FOR DIVIDER*	LABEL PROTECTOR FOR DIVIDER*	LABEL FOR FRONT*	LABEL PROTECTOR FOR FRONT*
RK 300	RKT 300	-	-	RKE 300	RKF 300
RK 300 HO	RKT 300	-	-	RKE 300 HO	RKF 300 HO
RK 321	RKT 321	RKE 500 N	RKF 500N	RKE 321	RKF 321
RK 400 S	RKT 400 S	RKE 400 S	RKF 400S	RKE 400 S	RKF 400S
RK 400	RKT 400	RKE 400	RKF 400	RKE 500 N	RKF 500N
RK 421	RKT 5/421	RKE 400	RKF 400	RKE 321	RKF 321
RK 421 B	RKT 5/421B	RKE 500 N	RKF 500N	RKE 321	RKF 321
RK 500 N	RKT 500 N	RKE 500 N	RKF 500N	RKE 500 N	RKF 500N
RK 521	RKT 5/421	RKE 400	RKF 400	RKE 321	RKF 321
RK 521 B	RKT 5/421 B	RKE 500 N	RKF 500N	RKE 321	RKF 321
RK 522	RKT 522	-	-	RKE 522S	RKF 522S
RK 619**	RKT 61	-	-	-	-
RK 621	RKT 5/421	RKE 400	RKF 400	RKE 321	RKF 321
RK 621 B	RKT 5/421 B	RKE 500 N	RKF 500N	RKE 321	RKF 321
RK 629**	RKT 62	-	-	-	-
RK SB 1	-	-	-	-	-
RK SB 2	-	-	-	-	-
RK SB 3	-	-	-	-	-
F/L BL	FLT BL				
E/K BL	EKT BL				

* Come 100 per package

** Available in conductive

FK and KB Containers



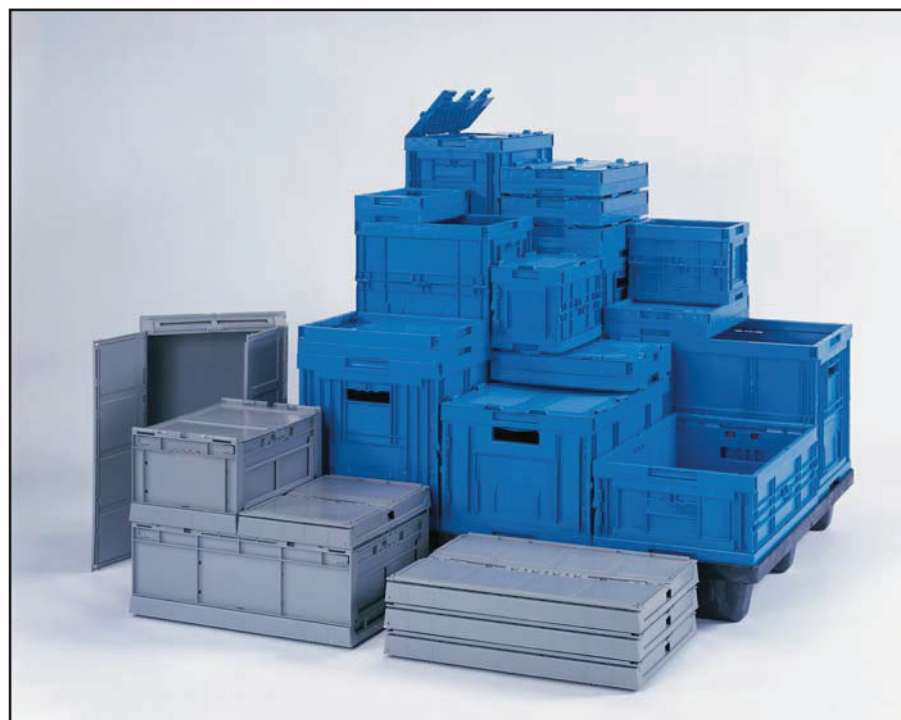
Designed for any application where empty containers must be stored in minimal space. Ideal for consideration in returnable systems

where long transportation distances create the need for containers with the highest return ratio to achieve an economic pay back.

Product Line Advantages

FK Collapsible Containers

- 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



FK (blue) and KB (grey) Containers

KB Containers

- 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 Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	RECOMMENDED LOAD	RECOMMENDED STACK LOAD
FK 3220	11.9 x 7.9 x 8.7"	10.3 x 6.6 x 8.2"	0.32	3.1	2.3	50	500
FK 3220-D*	11.9 x 7.9 x 8.7"	10.3 x 6.6 x 8.6"	0.32	2.7	2.8	50	500
FK 4220	15.8 x 11.9 x 8.7"	14.3 x 10.6 x 8.2"	0.71	3.1	3.5	50	500
FK 4220-D	15.8 x 11.9 x 8.7"	14.3 x 10.6 x 8.6"	0.71	2.7	4.7	50	500
FK 4320	15.8 x 11.9 x 12.6"	14.3 x 10.6 x 12.1"	1.06	4.6	4.4	50	500
FK 4320-D	15.8 x 11.9 x 12.6"	14.3 x 10.6 x 12.5"	1.06	3.9	5.6	50	500
FK 6220	23.7 x 15.8 x 8.7"	22.2 x 14.5 x 8.2"	1.52	3.1	6.1	50	500
FK 6220-D	23.7 x 15.8 x 8.7"	22.2 x 14.5 x 8.6"	1.52	2.7	8.1	50	500
FK 6320	23.7 x 15.8 x 12.6"	22.2 x 14.5 x 12.1"	2.26	4.6	7.4	50	500
FK 6320-D	23.7 x 15.8 x 12.6"	22.2 x 14.5 x 12.5"	2.26	3.9	9.4	50	500
FK 6420	23.7 x 15.8 x 16.6"	22.2 x 14.5 x 16.1"	2.97	6.0	8.6	50	500
FK 6420-D	23.7 x 15.8 x 16.6"	22.2 x 14.5 x 16.5"	2.97	5.1	10.6	50	500
FK 6300	23.7 x 15.8 x 11.9"	22.0 x 14.1 x 11.4"	2.03	4.1	6.5	25	225
FK 8450	31.5 x 23.7 x 17.7"	29.5 x 21.6 x 17.0"	6.05	3.3	18.3	35	225

*D = Integral hinged lid

KB Collapsible Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	NEST RATIO	TARE WEIGHT	RECOMMENDED LOAD	RECOMMENDED STACK LOAD
KB 4225	15.7 x 11.8 x 9.0"	14.4 x 10.0 x 8.1"	0.67	3.7	3.5	33	264
KB 6225	23.6 x 15.7 x 9.0"	21.8 x 14.4 x 8.1"	1.48	3.7	6.2	55	264

Note: All specifications are nominal

Lids

ORDER #	FITS ON
ADH 86	FK 8450

FK Containers in Use



CONTAINER SYSTEMS



Available with either an open grip...



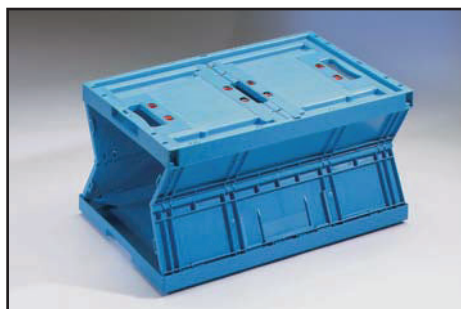
...closed grip...



...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 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 14/6, 14/7 and Euro-Fix line of containers. 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.

Product Line Advantages

14/6 Stackable Transport Containers

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

14/7 Hopper Front Containers

- Accessible when stacked
- Label holders



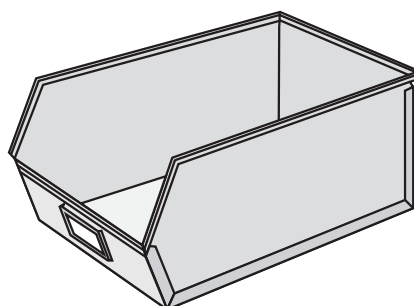
14/6 Stackable Transport Conductive Containers

Technical Specifications

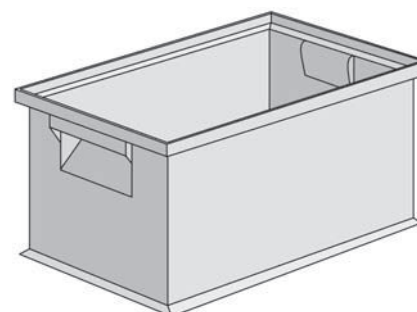
ELECTRICAL PROPERTIES Normal polypropylene	CONDUCTIVE CONTAINERS
Specific Volume Resistance 10^{18} Ohm inch	Approx. 50 Ohm inch
Specific Surface Resistance 10^{14} Ohm	Approx. 10^3 Ohm



14/7 Hopper Front Conductive Containers



14/7 Hopper Front Container

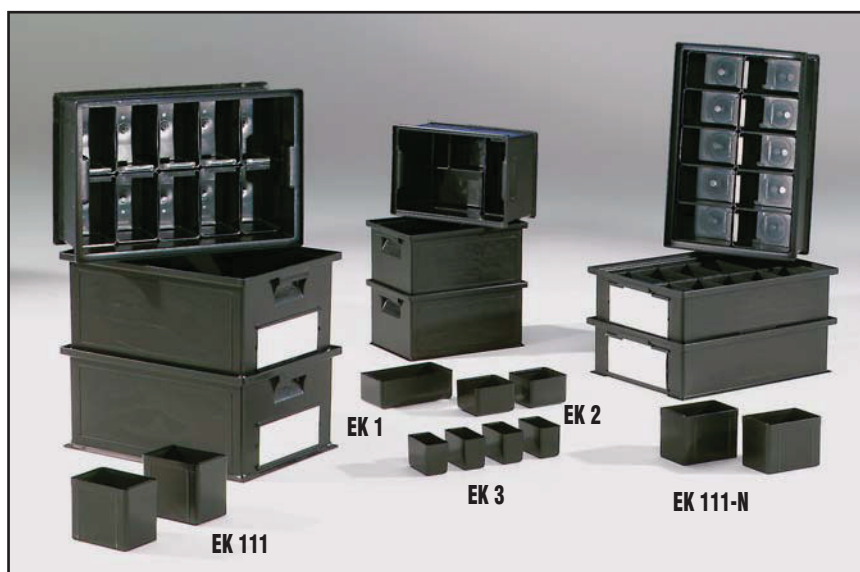


14/6 Stackable Transport Container

Conductive Containers

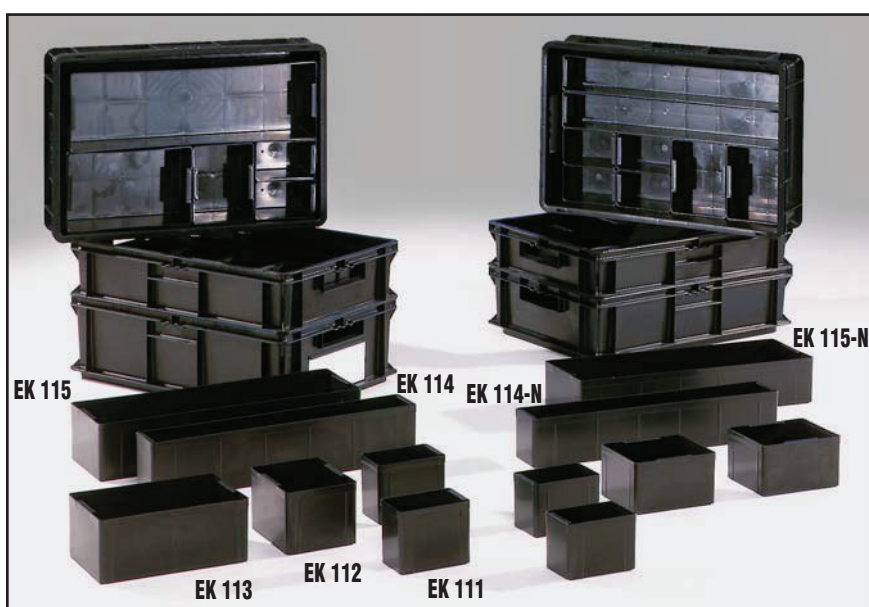
ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	RECOMMENDED STACK LOAD
14/6-2 F PP	18.4 x 12.5 x 2.9"	16.85 x 11.9 x 2.2"	0.25	1.8	22	440
14/6-2 G PP	18.4 x 12.5 x 4.2"	16.85 x 11.9 x 3.5"	0.36	2.4	22	440
14/6-2 H PP	18.4 x 12.5 x 4.6"	16.85 x 11.9 x 4.0"	0.42	2.3	22	440
14/6-2 PP	18.4 x 12.5 x 7.9"	16.85 x 11.9 x 7.2"	0.74	3.2	22	440
14/6-2 Z PP	18.4 x 12.5 x 11.9"	16.85 x 11.9 x 11.1"	1.17	4.5	22	440
14/6-3 PP	12.3 x 8.3 x 5.8"	11.9 x 7.9 x 5.1"	0.25	1.4	22	220
14/7-2 H PP	20.1 x 12.5 x 5.8"	19.7 x 11.9 x 5.1"	0.57	2.5	22	—
14/7-2 PP	20.1 x 12.5 x 7.9"	19.7 x 11.9 x 7.2"	0.81	3.5	22	—
14/7-2 Z PP	20.9 x 12.5 x 11.8"	20.5 x 11.9 x 11.1"	1.31	4.6	22	—
14/7-3 PP	13.8 x 7.9 x 7.9"	13.8 x 7.9 x 7.2"	0.35	1.9	22	—
14/7-3 Z PP	13.8 x 7.9 x 5.8"	13.8 x 7.9 x 5.2"	0.25	1.4	22	—
14/7-4 PP	9.3 x 5.8 x 4.8"	9.1 x 5.6 x 4.2"	0.09	0.6	11	—
14/7-5 PP	6.5 x 4.2 x 3.0"	6.3 x 3.8 x 2.4"	0.03	0.2	11	—
14/7-6 M PP	3.8 x 4.0 x 2.0"	3.4 x 3.8 x 1.4"	0.01	0.1	11	—
14/7-6 PP	3.8 x 4.0 x 2.0"	3.4 x 3.8 x 1.4"	0.01	0.1	11	—

Note: All specifications are nominal



Conductive Sub-Container

- Made of conductive polypropylene
- Organize small components
- Available in a variety of compatible sizes
- Equipped with lip for easy removal
- EK111 through EK115 are compatible with the following Euro-Fix containers: EF 6180, EF 6150, and EF 6140



Conductive Sub-Containers and Trays

ORDER #	DESCRIPTION	OUTSIDE DIM. L x W x H
EK 1 PP	Sub-Containers	7.1 x 3.8 x 2.4"
EK 111 PP	Sub-Containers	5.4 x 3.5 x 4.4"
EK 111-N PP	Sub-Containers	5.4 x 3.5 x 3.8"
EK 112 PP	Sub-Containers	6.9 x 5.4 x 4.4"
EK 112-N PP	Sub-Containers	6.9 x 5.4 x 3.8"
EK 113 PP	Sub-Containers	10.8 x 6.9 x 4.4"
EK 113-N PP	Sub-Containers	10.8 x 6.9 x 3.8"
EK 114 PP	Sub-Containers	21.7 x 3.5 x 4.4"
EK 114-N PP	Sub-Containers	21.7 x 3.5 x 3.8"
EK 115 PP	Sub-Containers	21.7 x 6.9 x 4.4"
EK 115-N PP	Sub-Containers	21.7 x 6.9 x 3.8"
EK 2 PP	Sub-Containers	3.6 x 3.8 x 2.4"
EK 3 PP	Sub-Containers	3.6 x 1.9 x 2.4"

Note: All specifications are nominal

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

16 X EK 111	8 X EK 112	4 X EK 113
1 X EK 115	4 X EK 114	2 X EK 115



3 x EK 1 PP Fits
14/6-3 Container



6 x EK 2 PP Fits
14/6-3 Container



12 x EK 3 PP Fits
14/6-3 Container



9 x EK 111 PP Fits
14/6-2 and 14/7-2 Container

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	Approx. 50 Ohm inch
Specific surface Resistance 10^{14} Ohm inch	Approx. 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 hand holds

Conductive Lids

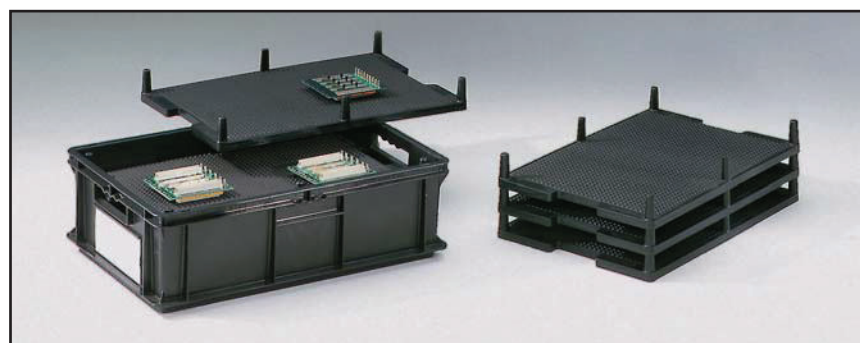
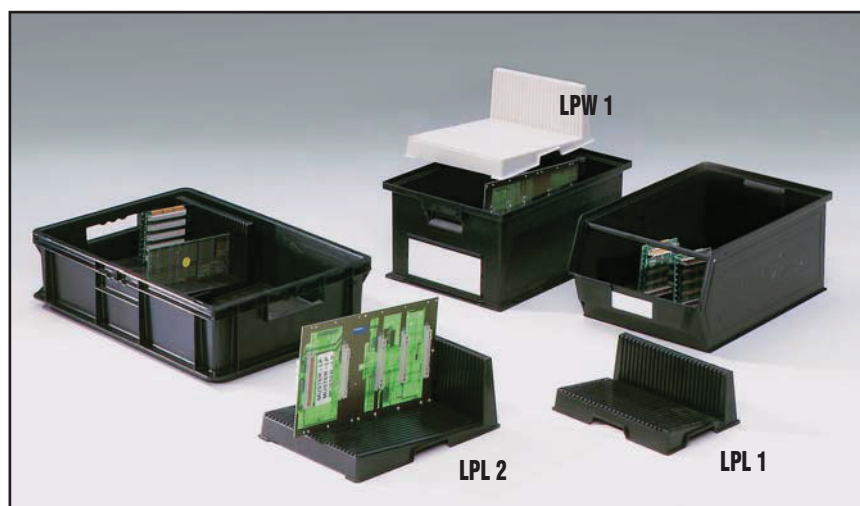
ORDER #	DIMENSIONS
EF D 43 PP	16 x 12"
EF D 64 PP	24 x 16"



Conductive Euro-Fix Containers

Conductive Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	RECOMMENDED LOAD	RECOMMENDED STACK LOAD
EF 4120 PP	15.8 x 11.9 x 4.8"	14.5 x 10.6 x 4.6"	0.38	2.0	55	1320
EF 4140 PP	15.8 x 11.9 x 5.6"	14.5 x 10.6 x 5.4"	0.45	2.0	55	1320
EF 4170 PP	15.8 x 11.9 x 6.7"	14.5 x 10.6 x 6.6"	0.55	2.6	55	1320
EF 4220 PP	15.8 x 11.9 x 8.7"	14.5 x 10.6 x 8.6"	0.71	3.2	55	1320
EF 6070 PP	23.7 x 15.8 x 3.0"	22.4 x 14.5 x 2.8"	0.50	3.0	55	1320
EF 6120 PP	23.7 x 15.8 x 4.8"	22.4 x 14.5 x 4.6"	0.82	3.8	55	1320
EF 6140 PP	23.7 x 15.8 x 5.6"	22.4 x 14.5 x 5.4"	0.97	4.0	55	1320
EF 6150 PP	23.7 x 15.8 x 6.0"	22.4 x 14.5 x 5.8"	1.04	4.3	55	1320
EF 6180 PP	23.7 x 15.8 x 7.1"	22.4 x 14.5 x 7.0"	1.25	4.8	55	1320
EF 6220 PP	23.7 x 15.8 x 8.7"	22.4 x 14.5 x 8.6"	1.54	6.1	55	1320
EF 6240 PP	23.7 x 15.8 x 9.5"	22.4 x 14.5 x 9.3"	1.68	5.7	55	1320
EF 6280 PP	23.7 x 15.8 x 11.3"	22.4 x 14.5 x 11.1"	2.00	6.7	55	1320
EF 6320 PP	23.7 x 15.8 x 12.6"	22.4 x 14.5 x 12.5"	2.25	7.6	55	1320
EF 6420 PP	23.7 x 15.8 x 16.6"	22.4 x 14.5 x 16.4"	2.96	9.9	55	1320



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 .75" x .75"
- Cell size can increase in increments of .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 Sub-Containers and Trays

ORDER #	DESCRIPTION	OUTSIDE DIM. L x W x H
LP 2-CB	PCB Holder	14.0 x 9.75 x .5"
LPL 1	Tilt PCB Holder	10.9 x 8.2 x 3.7"
LPL 2	Tilt PCB Holder	14.0 x 10.5 x 5.2"
LPW 1	Tilt PCB Holder	10.9 x 8.2 x 3.7"
LPW 2	Tilt PCB Holder	14.0 x 10.5 x 5.2"
QT-K308PP	Divider	10.0 x 3.2"
QT-K314PP	Divider	10.0 x 5.6"
LT-K608PP	Divider	21.8 x 3.2"
LT-K614PP	Divider	21.8 x 5.6"
L/QT-K408PP	Divider	13.9 x 3.2"
L/QT-K414PP	Divider	13.9 x 5.6"

Pyramid Trays

ORDER #	DIMENSIONS
TTE 048	21.3 x 13.5 x 2.5"

Stacking Collar

ORDER #	DIMENSIONS
EFR 6070 PP	24 x 16 x 3"

KB Plastic Bulk Containers

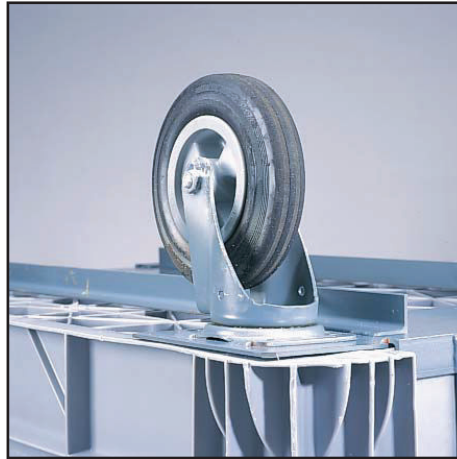


KBR 9

For use in any application which requires bulk storage or transportation of large parts. Schaefer KB Plastic containers have been used in textile plants, laundries and dry cleaners, the food industry, wholesale distribution and industrial plants.

Product Line Advantages

- Five sizes, two footprints
- Base options include casters (two fixed), feet, raised bottom (KB 9 only)
- Sidewall and base ventilation (KB 9 only)
- Easy to clean, smooth interior
- Base available in grey, lid available in light grey
- Made of polyethylene
- Stackable
- Durable

**KBR 9 with Lid****Robust Casters****KB 9**

- Ventilated upper sidewalls and base
- Raised bottom

KBR 9

- Ventilated upper sidewalls and base
- Two casters and two fixed wheels
- 4" wheels with solid rubber tires

KBF 9

- Solid sides and base
- Block pallet style feet for forklift access (4")

KBR 10

- Solid sides and base
- Two casters and two fixed wheels with a 4" wheel and solid rubber wheels

**Interstackable****KB Lids**

FOR CONTAINER	LID ORDER #	TARE WEIGHT
KB 9	KBD 9	4.4
KBR 9	KBD 9	4.4
KBF 9	KBD 9	4.4
KB 10	KBD 10	6.4
KBR 10	KBD 10	6.4

KB Bulk Plastic Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	BASE	CAPACITY (CUBIC FT)	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
KB 10	47.3 x 31.5 x 31.7"	43.4 x 28.8 x 25.4"	Block Pallet Type	18.54	49.5	1100	5500
KB 9	39.4 x 24.9 x 22.9"	36.7 x 22.9 x 19.9"	Raised Bottom	10.24	23.3	660	3300
KBF 9	39.4 x 24.9 x 26.0"	36.5 x 22.5 x 19.9"	Block Pallet Type	9.89	28.6	660	3300
KBR 10	47.3 x 31.5 x 32.1"	43.4 x 28.8 x 25.4"	Casters	18.54	62.7	1100	5500
KBR 9	39.4 x 24.9 x 27.6"	36.7 x 22.9 x 19.9"	Casters	10.24	33.0	660	3300

Note: All specifications are nominal

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.

Lift Trollies

ITEM	DIM.	CAP.	USE FOR
SH1	35"L x 25"W x 11"H	660 LBS.	14/7-1 14/7-1 Z 14/6-1
SH2	29"L x 19"W x 7"H	440 LBS	14/7-2 14/6-2

14/6 Series Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT
14/6-4 g	8.3 x 5.9 x 5.1"	7.3 x 4.9 x 4.7"	0.12	1.7
14/6-3 g	12.6 x 8.7 x 5.9"	11.6 x 7.7 x 5.5"	0.31	4.5
14/6-2 G g	18.7 x 12.6 x 4.2"	17.7 x 11.6 x 3.8"	0.44	6.0
14/6-2 H g	18.7 x 12.6 x 4.7"	17.7 x 11.6 x 4.3"	0.53	9.0
14/6-2 g	18.7 x 12.6 x 7.9"	17.7 x 11.6 x 7.5"	0.88	10.0
14/6-2Z g	18.9 x 12.6 x 11.8"	17.9 x 11.6 x 11.4"	1.23	13.0
14/6-1 g	26.0 x 18.9 x 11.8"	25.0 x 17.9 x 11.4"	2.82	20.0
14/6-A g	20.7 x 12.6 x 7.9"	19.7 x 11.6 x 7.5"	0.97	11.0
14/6-B g	14.6 x 8.7 x 7.9"	13.6 x 7.7 x 7.5"	0.46	-

For enameled finish replace "g" in order number with "p" Note: All specifications are nominal

14/7 Steel Containers

ORDER #	OUTSIDE DIM. L x W x H	INSIDE DIM. L x W x H	CAPACITY (CUBIC FT)	TARE WEIGHT	REC. LOAD	MAXIMUM STACK LOAD
14/7-1 G	28.2 x 18.9 x 11.9"	24.8 x 17.7 x 11.1"	2.93	28.0	110	440
14/7-1 Z G	21.7 x 18.9 x 11.9"	17.7 x 17.7 x 11.1"	2.12	21.0	110	440
14/7-2 G	20.3 x 12.6 x 7.9"	17.7 x 11.8 x 7.2"	0.95	11.0	88	330
14/7-2 H G	20.1 x 12.5 x 5.8"	17.7 x 11.8 x 5.1"	0.64	6.6	88	330
14/7-2 Z G	21.3 x 13.0 x 11.9"	17.7 x 11.8 x 11.1"	1.45	14.0	88	330
14/7-3 G	14.2 x 8.7 x 7.9"	11.8 x 7.8 x 7.2"	0.39	3.6	66	220
14/7-3 Z G	14.2 x 8.7 x 5.8"	11.8 x 7.8 x 5.1"	0.30	3.3	66	220
14/7-4 G	9.5 x 6.0 x 4.8"	7.8 x 5.5 x 4.3"	0.12	2.2	22	110
14/7-5 G	6.7 x 4.0 x 3.0"	5.5 x 3.7 x 2.5"	0.02	0.9	11	110

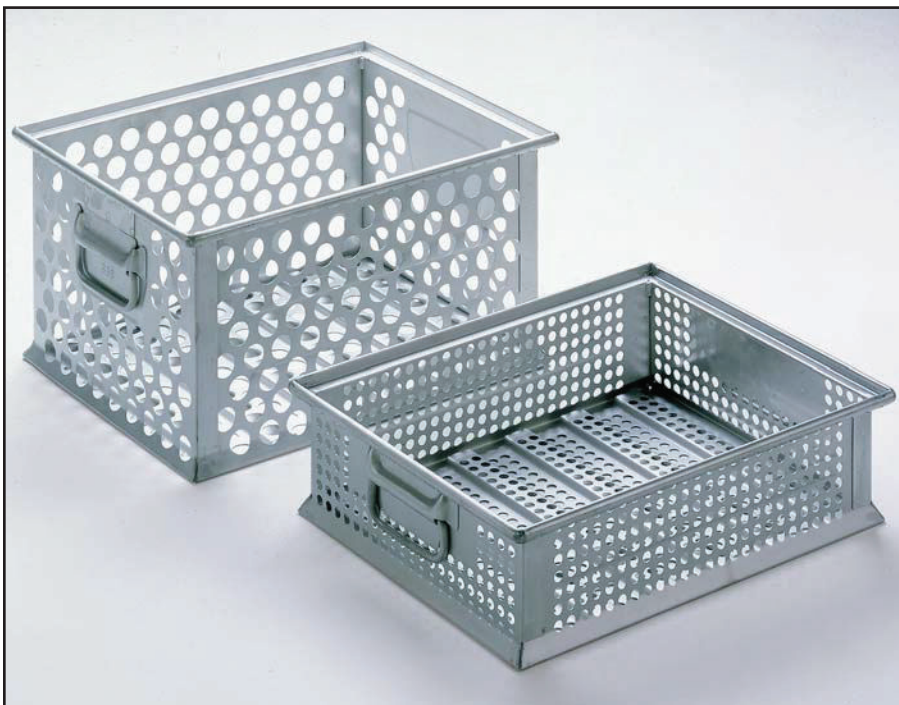
For enameled finish replace "G" in order number with "P" Note: All specifications are nominal



Steel Lids



Steel Lids



Special Perforated Steel Container



Steel Containers Leaving A Cleaning Machine

Product Line Advantages

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

14/7 Steel Containers

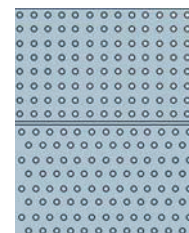
- Nine sizes
- Open hopper fronts with label holders
- Galvanized or enameled finish
- Wide range of accessories includes dividers (ZW), labels, lids (VD and SD)

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.

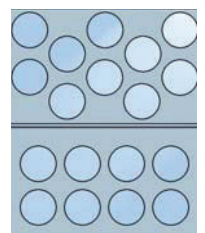
Pattern 110

Hole Diameter .1181"



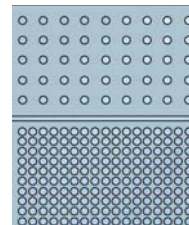
Pattern 119

Hole Diameter .9451"



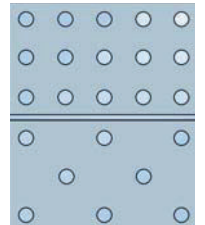
Pattern 112

Hole Diameter .1378"



Pattern 114

Hole Diameter .3938"



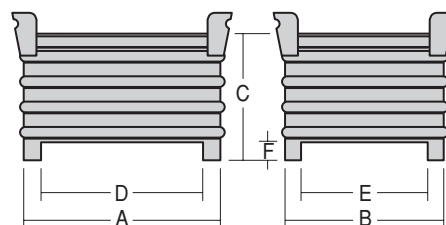
Stackable Transport Box

The steel box pallet for all heavy goods, solid materials, castings and forgings.

- Sides are tubular steel sections which are reinforced with corrugations
- Corrugations all around
- High load-bearing base
- Rugged feet and extremely strong corners
- Custom sizes available
- Available in green enamel or galvanized finish
- Base thickness $\frac{3}{32}$ "
- Ground clearance 4"



1086S Stackable Transport Box



1086S Stackable Transport Box

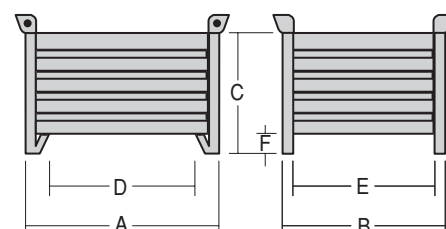
Stackable Bulk Containers

The classic steel transport container for mass produced goods. Available in 11 sizes, in weight capacities ranging from 1100 to 3300 lbs.

- Sides are fixed
- Available in solid or mesh front flap
- Deep corrugations in the sides and a tough angled frame guarantee high load capacity
- Low tare weight
- Heavily reinforced feet
- Stackable up to 10 high
- Flanges on each corner ensure safe stacking
- Custom sizes available
- Available in green enamel or galvanized finish
- Base thickness $\frac{3}{32}$ "
- Ground clearance 4"



1289K Stackable Bulk Container



1289K Stackable Bulk Container

Stackable Transport Box

ORDER #	SIZE A/B/C	DIMENSIONS DIM. L x W x H	ENTRY D/E	GROUND CLEARANCE F	SIDE WALL	CAPACITY (LBS)	STACKING HEIGHT
S1286	48/32/24"	50.0 x 34.0 x 27.0"	40/24"	4"	$\frac{3}{32}$ "	4400	6 X
S1086	40/32/24"	42.0 x 34.0 x 27.0"	32/24"	4"	$\frac{3}{32}$ "	4400	6 X
S856	32/20/24"	34.0 x 22.0 x 27.0"	24/12"	4"	$\frac{1}{16}$ "	2200	4 X

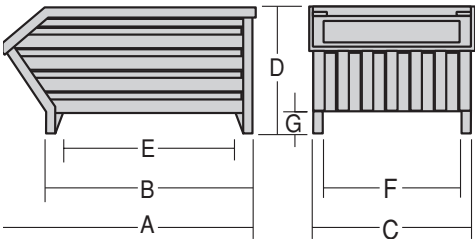
Stackable Bulk Containers

ORDER #	SIZE A/B/C	DIMENSIONS DIM. L x W x H	ENTRY D/E	GROUND CLEARANCE F	SIDE FLAP OR FIXED	ANGLE	CAPACITY (LBS)	STACKING HEIGHT
1289K	48/32/35"	49.0 x 34.0 x 38.0"	37/27"	4"	$\frac{3}{32}$ " flap	$2/29^{16}$ "	3300	5 X
1286K	48/32/24"	49.0 x 34.0 x 26.0"	37/27"	4"	$\frac{3}{32}$ " flap	$2/29^{16}$ "	3300	5 X
1286	48/32/24"	49.0 x 34.0 x 26.0"	37/27"	4"	$\frac{3}{32}$ " fixed	$2/29^{16}$ "	3300	6 X
866K	32/24/24"	34.0 x 25.5 x 26.0"	25/20"	4"	$\frac{1}{16}$ " flap	$3/8/25^{32}$ "	1760	5 X
866	32/24/24"	34.0 x 25.5 x 26.0"	25/20"	4"	$\frac{1}{16}$ " fixed	$3/8/25^{32}$ "	1760	6 X
189K	40/32/35"	41.0 x 34.0 x 38.0"	29.5/27"	4"	$\frac{3}{32}$ " flap	$2/29^{16}$ "	3300	5 X
186K	40/32/24"	41.0 x 34.0 x 26.0"	29.5/27"	4"	$\frac{3}{32}$ " flap	$2/29^{16}$ "	3300	5 X
186	40/32/24"	41.0 x 34.0 x 26.0"	29.5/27"	4"	$\frac{3}{32}$ " fixed	$2/29^{16}$ "	3300	6 X
856K	32/20/24"	34.0 x 22.0 x 26.0"	25/16"	4"	$\frac{1}{16}$ " flap	$3/8/25^{32}$ "	1760	5 X
856	32/20/24"	34.0 x 22.0 x 26.0"	25/16"	4"	$\frac{1}{16}$ " fixed	$3/8/25^{32}$ "	1760	6 X
853	32/20/12"	34.0 x 22.0 x 15.0"	28/16.25"	4"	$\frac{1}{16}$ " fixed	$13/4/13/4/5^{32}$ "	1100	10 X

Hopper Front Steel Bulk Containers

Ideal for production or assembly lines. Hopper front for easy visibility and access to materials, especially when containers are stacked.

- Stacking rim on three sides
- Different sizes stack and inter-stack
- Six units can safely be stacked on top of one another
- Angled corners and heavily corrugated sides impart great strength and load-bearing capacity
- Custom sizes available
- Available in green enamel or galvanized finish



14/7 Hopper Front

Hopper Front Bulk Containers

ORDER #	SIZE L X W X H A/B x C x D	SIDE/FRONT FORK- LIFT ACCESS E/F	GROUND CLEARANCE G	BASE THICKNESS	SIDE WALL	CAPACITY (LBS)	STACKING HEIGHT
14/7-0a	27/20 x 32 x 24"	28/12"	4"	3/32"	1/16"	1760	5 X
14/7-0b	40/32 x 20 x 24"	24/16.25"	4"	3/32"	1/16"	1760	5 X
14/7-01	48/40 x 32 x 24"	32/27"	4"	3/16"	3/32"	2200	6 X

Light Duty Steel Containers

An economical container when load capacity or stacking are not critical factors.

- Lightweight for manual handling
- Spot-welded from sheet steel
- Reinforced with corrugations across the base and all four corners
- Folding handles on both ends
- Custom sizes available
- Available in blue-grey enamel or galvanized finish



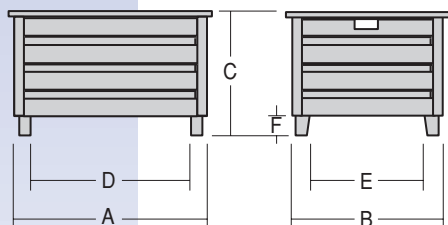
L 1086 Light Duty Steel Container

Rugged, Stackable Steel Bulk Containers

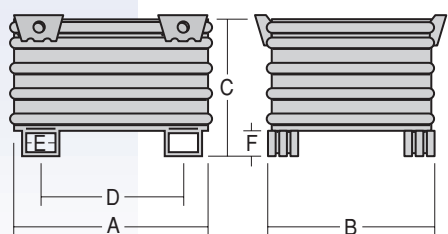
- Fork pockets and extra-wide corner flanges
- Perforated version for hot contents is available
- Custom sizes available
- Available in green enamel or galvanized finish



SG 1086 Rugged Stackable Steel Bulk Containers



L 1086 Light Duty



SG 1086 Heavy Duty

Light Duty Steel Containers

ORDER #	SIZE A/B/C	SIZE L X W X H	FORKLIFT ACCESS D/E	GROUND CLEARANCE F	BASE THICKNESS	SIDE WALL
L 856	32/20/25"	33 x 21 x 25"	23.5/12"	4"	1/32"	1/32"
L 1086	41/32/25"	42 x 33 x 25"	35/24"	4"	1/16"	1/16"

Heavy Duty Steel Containers

ORDER #	SIZE A/B/C	FORKLIFT ACCESS D/E	GROUND CLEARANCE F	SIZE L X W X H	BASE THICKNESS	SIDE WALL	CAPACITY (LBS)	STACKING HEIGHT
SG 1216	48/40/26"	34/8.25"	6"	48 x 45 x 27"	3/16"	3/32"	4400	5 X
SG 1286	48/32/26"	34/8.25"	6"	48 x 37 x 27"	3/16"	3/32"	4400	5 X
SG 1086	40/32/25"	30/4.25"	4.75"	40 x 37 x 26.5"	3/32"	1/16"	4400	5 X



Wheels and Axels

Roll-Out Waste and Recycling Carts

Schaefer offers a variety of sizes, design options and colors to fit the waste handling or recycling needs in your plant or office. Colors simplify source separation. Different sizes are available based on the type and amount of refuse to be disposed of.

Product Line Advantages

- Injection molded for maximum strength and durability
- One piece, high density polyethylene (HDPE) construction
- Smooth surface inside and out for easy cleaning
- Temperature resistance from -30° to 150°F
- Material withstands high mechanical stress while maintaining dimensional stability
- Wear strip on the bottom for longer life (.375")
- Overlapping lid for rain protection
- Inside dripping rim seals in odors
- Sturdy, comfortable, ergonomic handles
- Designed for all types of lifter systems
- Available in green, blue and charcoal
- In-molded toe hold to ease tilting of loaded cart

GMT Containers

ORDER #	DIMENSIONS W X D X H	CAPACITY U.S. GALLONS	WHEEL DIAMETER	WEIGHT (LBS)
GMT 120	19 x 22 x 37"	32	24	24
GMT 140	19 x 22 x 42"	38	29	29
GMT 240	23 x 29 x 42"	64	35	35
GMT 360	24 x 35 x 43"	96	51	51



**Strong.
Smart.
Schaefer.**



One of the most important considerations in the design and production of plant equipment is the environment in which it will be used and the function it will serve. Products featured in this section are designed to relieve worker stress, to simplify job functions and to make them more efficient.

Schaefer has designed cabinets, trolleys, louvered panel systems, tool storage boxes and a variety of other products that help organize and streamline job functions in industrial installations or workshops. These products complement each other and adapt to changes in the work environment. A lot of thought has gone into the design of Schaefer's shop equipment to make it as job specific, user friendly and flexible as possible.

Equipment designed to improve the modern workplace... all from one source.

**WALL SYSTEM,
MOBILE FEEDER
TROLLEY
AND HEAVY DUTY
TROLLEY**

**ROLL-FIX,
TABLO-FIX,
SMALL PARTS CASE AND
LIFT TROLLEY**

**PORTA-FIX,
PERMA-FIX AND
SMALL PARTS
STORAGE**

CABINETS

**WARDROBES
AND LOCKERS**

**LOUVERED
PANELS AND
FREE-STANDING
RACKS**

Mobile Trolleys



Designed to provide the right parts at the right time and in the right location. Trolleys are built tough to last. Compatible with Schaefer containers and accessories, mobile trolleys can be used for assembly station replenishment or for mobile storage.

Product Features

- Solid welded construction
- Assembled with only 10 bolts
- Trolleys can be single-sided, double-sided or double width
- Compatible with two different LF containers
- Fitted with 2 swivel and 2 fixed rubber tire castes

Single Trolley, 32.5" L x 21" W x 57" H

ORDER #	DESCRIPTION
R20	Single Trolley with 14 rails, no containers
R20PL	Single Trolley with 14 rails, 70-LF 221
R25	Single Trolley with 18 rails, no containers
R25PL	Single Trolley with 18 rails, 40-LF 221 & 70-LF211
R30	Single Trolley with 20 rails, no containers
R30PL	Single Trolley with 20 rails, 140-LF211

Double Trolley, 44.9" L x 21" W x 57" H

ORDER #	DESCRIPTION
R40	Double Trolley with 14 rails, no containers
R40PL	Double Trolley with 14 rails, 98-LF 221
R45	Double Trolley with 18 rails, no containers
R45PL	Double Trolley with 18 rails, 56-LF 221 & 100-LF211
R50	Double Trolley with 20 rails, no containers
R50PL	Double Trolley with 20 rails, 200-LF211

Wall Systems

FW Wall System

Designed to provide high volume storage for small parts. Five different tray depths are available to accommodate various container sizes. The LF 110, LF 211 and LF221 container can be used with this system. This system also offers partitions to divide the trays. Dimensions of the basic unit is : 40" H x 25" W.

MS Wall System

Wall uprights and rails suitable for LF containers. The wall uprights simply fasten to the wall and the rails are hung from these. The distance between the actual rails can vary.



FW Wall System

ORDER #	DESCRIPTION
FWS	Wall Rail, 40"
FWC	Galvanized Tray, 4" Deep
FWC2	Partition Divider for FWC
FWB	Galvanized Tray, 6" Deep
FWB 2	Partition Divider for FWB
FWA	Galvanized Tray, 8 1/2" Deep
FWA 2	Partition Divider for FWA
FWD	Galvanized Tray, 7" Deep
FWE	Galvanized Tray, 12" Deep

FW Trays, # of containers per tray

FWC	FWC	FWC
6 - LF 110	6 - LF 211	4 - LF 221

Pre-assembled Options for FW Wall System

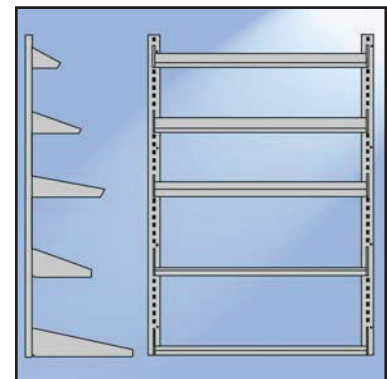
ORDER #	FW 160	FW 150	FW 333	FW 240
Rails	2 - FWS	2 - FWS	2 - FWS	2 - FWS
Trays	13 - FWC	10 - FWB	3 - FWC 3 - FWB 3 - FWA	6 - FWA
Containers	78 - LF 110	60 - LF 211	18 - LF 110 18 - LF 211 18 - LF 221	24 - LF 221

MS Wall System

ORDER #	DESCRIPTION
MS 1000	Wall Upright, 40" H
PE/A	Rail, 44" W

PE/a RAILS, # OF CONTAINERS PER RAIL

10 - LF 211
7 - LF 221
5 - LF 321



FW Rails and Trays



MS Uprights and Rails

Pre-assembled Options for MS Wall System

ORDER #	PEK 1-0	PEK 2-0	PEK 3-0	PEK4-0
Uprights	2 - MS 1000	2 - MS 1000	2 - MS 1000	2 - MS 1000
Rails	8 - PE/a	7 - PE/a	7 - PE/a	7 - PE/a
Containers	70 - LF 211	30 - LF 211 21 - LF 221	20 - LF 211 28 - LF 221	30 - LF 211 14 - LF 221 5 - LF 321

Stocking Trolleys



Trolleys for faster, easier stocking and order picking. Available in one width, two heights and two lengths. Ladder version is available in two heights. Two shelves, which are adjustable, are standard on both models. Shelves have a rim to keep goods from sliding off.

Basic Stocking Trolley

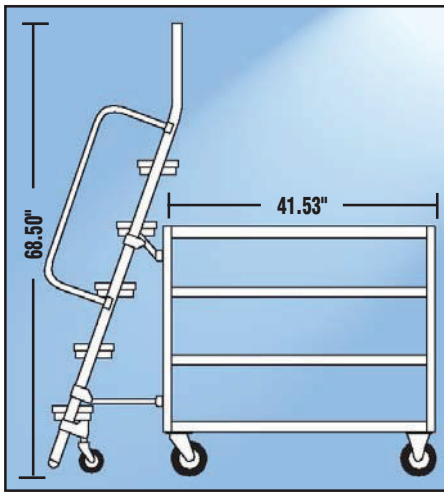
- Rugged welded steel frame and plastic handle

- Equipped with two swivel and two fixed rubber casters, making trolley easy to maneuver in narrow aisles
- Manufactured in silver grey metallic finish

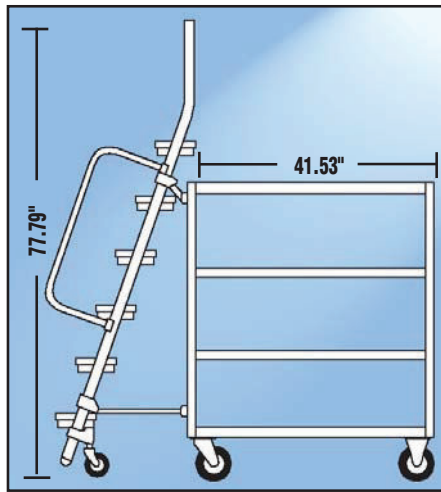
Stocking Trolley with Ladder

Trolleys equipped with lightweight ladders made of tubular steel. Ladder locks into position when in use. When relieved of the weight, ladder lifts up off the floor and moves with the trolley on two swiveling, rubber wheels.

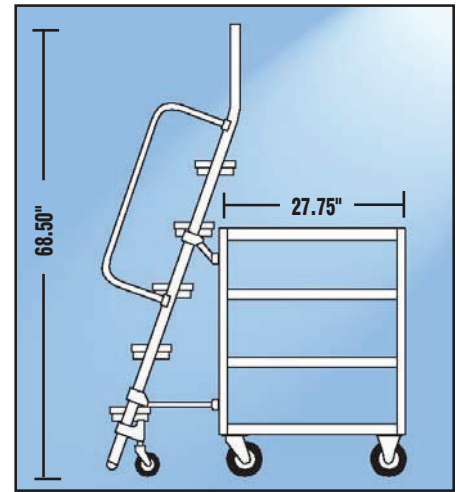
- Available with five or six steps
- Steps are made of slip-resistant beech wood
- For safety, ladder is equipped with handrails
- Manufactured in silver grey metallic finish



RWL 4509



RWL 4512



RWL 4579



RW 4509



RW 4512



RW 4579

Basic Stocking Trolley

ORDER #	DIMENSIONS L x W x H
RW 4579	27.75 x 20.86 x 31.10"
RW 4509	41.53 x 20.86 x 31.10"
RW 4512	41.53 x 20.86 x 43.50"

Stocking Trolley with Ladder

ORDER #	DIMENSIONS L x W x H	HEIGHT WITH LADDER	NO. OF STEPS IN LADDER	HEIGHT OF TOP STEP
RWL 4579	27.75 x 20.86 x 31.10"	68.50"	5	47.24"
RWL 4509	41.53 x 20.86 x 31.10"	68.50"	5	47.24"
RWL 4512	41.53 x 20.86 x 43.50"	77.79"	6	56.53"



Tablo-Fix

- Modular parts storage for small to medium size parts
- Flexible assembly to suit different needs
- Parts are economical and easy to interchange
- Different drawer heights with different weight capacities

- The parts organizer for manufacturing, shipping, and assembly
- Easy glide drawers even when full
- Simple to assemble
- Available in conductive

Small Parts Case

- High grade, lightweight, blue enameled steel
- Comes with handle and latches
- Padlock can be used
- Insert trays can be labeled
- Lid lined with plastic foam to keep parts in place
- Available in six sizes

Small Parts Case Sub-Containers

ORDER #	DIMENSIONS
EK 1	7.0 x 3.75 x 2.5"
EK 2	3.75 x 3.5 x 2.5"
EK 3	3.5 x 2.0 x 2.5"

Tablo-Fix

ORDER #	DESCRIPTION	DIMENSIONS L x W x H	VOLUME	CAPACITY (LBS)
EFD 64	Lid with stacking rim	24.0 x 16.0"	—	—
TFB S 12	Drawer	19.0 x 12.0" - .875" deep	0.10 cu. ft.	13.2
TFB S 4	Drawer	19.0 x 12.0" - 3" deep	0.4 cu. ft.	18.0
TFB S 3	Drawer	18.5 x 12.0" - 4" deep	0.56 cu. ft.	18.0
TFB S 2	Drawer	18.3 x 12.0" - 6.5" deep	0.84 cu. ft.	26.0
TFH S 45	Drawer supports	—	—	—
TFH K 45	Adhesive strips	1.0 x 0.75"	—	—
EF 6420 LTF S	Solid container	23.6 x 15.7 x 16.5"	—	—
EF 6421 LTF S	Mesh container	23.6 x 15.7 x 16.5"	—	—

Note: All specifications are nominal



Roll-Fix with Reinforced Bottom



Lift Trolley

Lift Trolley

ORDER #	OUTSIDE DIM. L x W x H	CAPACITY (LBS)
SHE	37.0 x 21.0 x 8.0"	440

Small Parts Case

ORDER #	DIMENSIONS L x W x H	WEIGHT (LBS)	EQUIPPED WITH CONTAINERS		
SO 1	23.0 x 18.0 x 2.5"	13	12 - EK 1	5 - EK 2	2 - EK 3
SO 2	23.0 x 18.0 x 2.5"	13	6 - EK 1	12 - EK 2	12 - EK 3
SO 3	23.0 x 18.0 x 2.5"	13	2 - EK 1	14 - EK 2	24 - EK 3
SO 4	18.0 x 13.5 x 2.5"	9	2 - EK 1	6 - EK 2	15 - EK 3
SO 5	18.0 x 13.5 x 2.5"	9	35 - EK 3	—	—
SO 6	14.75 x 12.0 x 2.5"	7	4 - EK 2	16 - EK 3	—

Roll-Fix

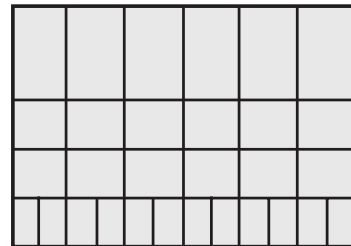
ORDER #	TYPE OF WHEELS	PLATFORM DIMENSIONS	OVERALL HEIGHT	CAPACITY (LBS)
RO 460	Plastic wheels	24.0 x 16.0"	5"	440
RO 461	Solid rubber wheels	24.0 x 16.0"	5"	440

Roll-Fix

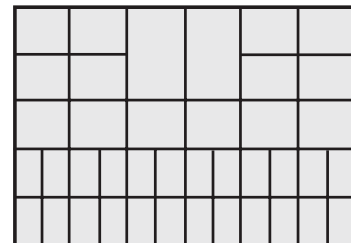
- Moves stacks of containers where they are needed
- General purpose trolley for moving heavy goods
- High density solid polyethylene base
- 0.5" safety rim
- Two fixed wheels and two casters, 3" diameter
- Three types of wheels available
- Available in conductive

Lift Trolley

- Effortlessly moves heavy containers
- Easy to maneuver in narrow aisles and around corners
- Durable, practical design
- Grey-blue enameled steel frame
- Rubber wheels mounted on roller bearings
- 8" and 5" fixed swivel casters
- Foot pedal and handle lower and raise containers

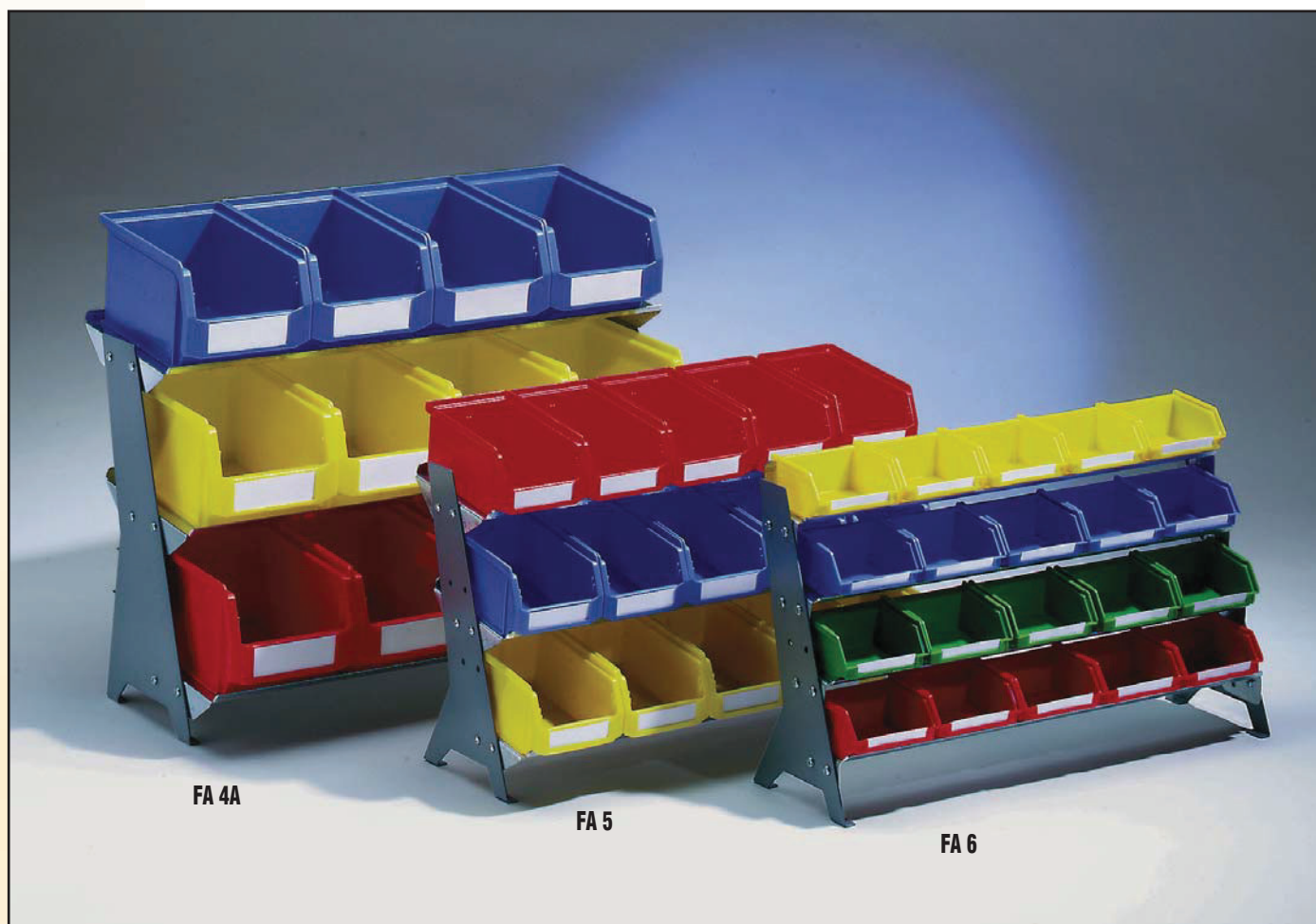


SO 2 Insert Configuration



SO 3 Insert Configuration

Small Parts Storage For Assembly Stations



Small Parts Workstation Storage

Often, frequently used parts and supplies are kitted or stored near an assembly station in the plant, office or home. In many cases, it is desirable to have a portable tool case with all the supplies necessary for a maintenance or repair job. SSI has combined several of its standard components to provide a solution for the plant

engineer, the home mechanic or handyman. These packaged solutions will provide you with the right part for your job. Additionally, if you have special requirements the uprights and wall panels can be configured to meet your needs.

Fix Assistant

- Time and space saver for production, repair and assembly
- Sheet metal frame, sides enameled hammer finish
- Galvanized trays, with adjustable tilt
- Raised front edge and back stop
- Available with or without LF containers

Fix-Assistant

ORDER #	DIMENSION L x W x H	ORDER WITH OR WITHOUT CONTAINERS
FA 4A	24.0 x 9.5 x 15.25"	12 - LF 221
FA 5	21.0 x 8.25 x 13.75"	15 - LF 211
FA 6	21.0 x 7.0 x 13.75"	20 - LF 14/7 6



Porta-Fix Double



When Hinged Together Porta-Fix Forms a Handy Tool Box



Wall-Mounted Panels – FEL



Perma-Fix

Porta-Fix and Perma-Fix

- Parts storage for the well organized handyman or hobbyist
- Light but strong, stackable and portable
- Fits onto workbench or assembly table
- Robust, rigid case made of impact- and shock-resistant polyethylene
- Pre-drilled holes for wall mounting
- Transparent plastic flaps protect contents
- Can be hinged together to form a handy tool box

Wall-Mounted Perma-Fix

- Lightweight, sturdy polyethylene back panel
- Small enough to fit anywhere
- Hardware for wall mounting is included
- Available in four pre-packaged versions

Wall Panels

- Attached separately to suit specific space
- Width from 44.5"

Porta-Fix

ORDER #	DIMENSIONS L x W x H	EQUIPPED WITH CONTAINERS	# OF CONTAINERS	DIMENSIONS L x W x H
PF 5	14.0 x 18.5 x 6.75"	LF 211 PL	12	6.25 x 3.75 x 3.0"
PF 6	14.0 x 13.75 x 4.0"	LF 110 PL	12	3.25 x 3.75 x 2.0"

Perma-Fix

ORDER #	DIMENSIONS L x W x H	# OF PANELS	EQUIPPED WITH CONTAINERS	# OF CONTAINERS
FWP 182	14.0 x 18.5 x 7.9"	1	LF 210 PL	18
FWP 186	14.0 x 18.5 x 7.9"	1	LF 110 PL	18
FWP 189	14.0 x 18.5 x 7.9"	1	LF 110/LF 210	9 each

Small Parts Storage Wall Panels

ORDER #	FOR WALL WIDTHS	ORDER WITH OR WITHOUT CONTAINERS
FEL 4	44.5"	7 - LF 221
FEL 5	44.5"	11 - LF 211
FEL 6	44.5"	11 - LF 110

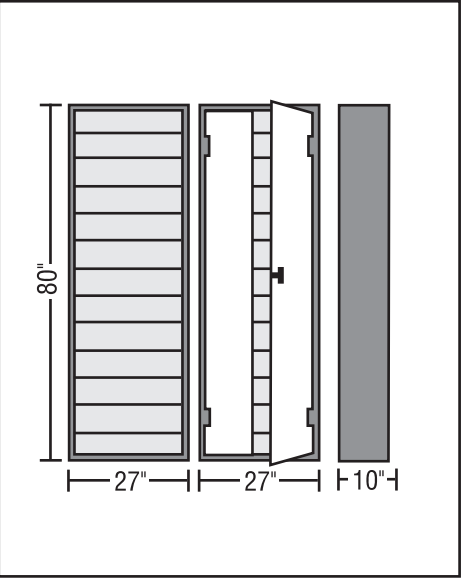
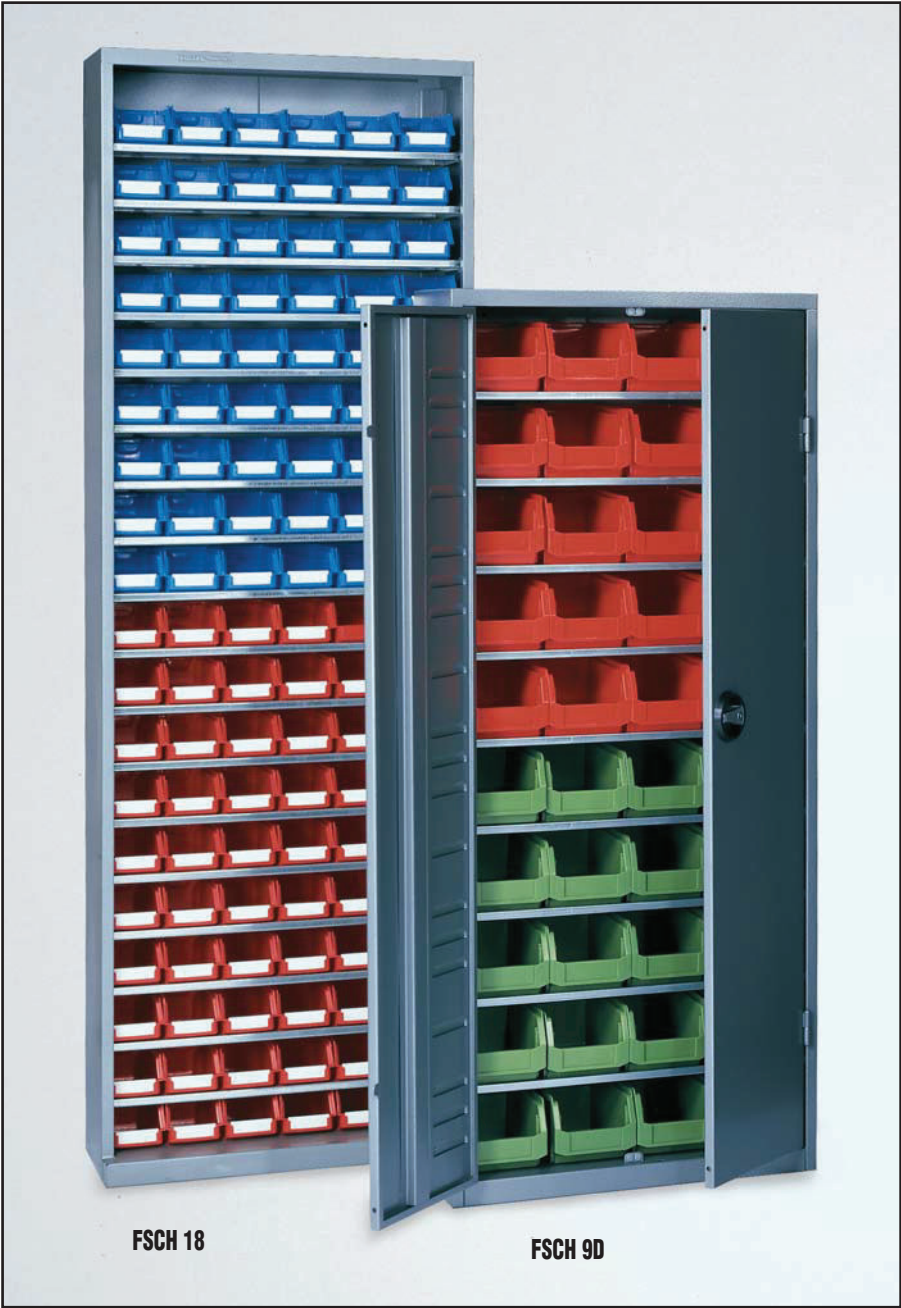
Note: All specifications are nominal

Safix Cabinets

Safix cabinets offer the best use of space in small areas. Available in a variety of heights, depths and widths, there is a size to fit most applications. Cabinets are available with and without doors, and can be ordered with or without containers. Different container color and size combinations are also available. Cabinets are the ideal organizer for the home, workshop or office.

Schaefer cabinets are a stove enameled grey finish and the shelves are galvanized steel. Doors come equipped with secure locks and recessed handles.

Container colors will be shipped as shown unless different colors are specified.



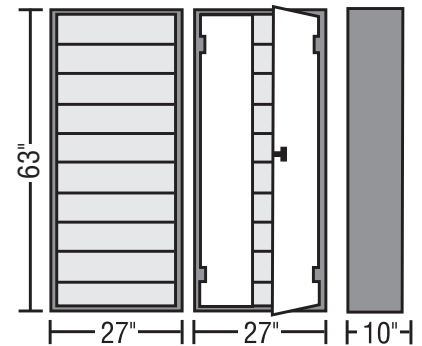
Super Safix

Super Safix Dimensions 80" x 27" x 10"

ORDER #	DESCRIPTION	# OF SHELVES	CONTAINERS INCLUDED
FSCH 12D FSCH 12	With doors Without doors	12	52 - LF 221
FSCH 15D FSCH 15	With doors Without doors	15	28 - LF 221 & 54 - LF 211
FSCH 18D FSCH 18	With doors Without doors	18	114 - LF 211

Safix Cabinets

- Cabinets ship fully assembled
- Complete cube utilization on each shelf level
- Cabinets are finished in grey, stove baked enamel paint
- Shelves are galvanized steel, adjustable in 1" increments
- Recessed handles are standard on all doors
- Variety of shelf containers available to "customize" the cabinet to your application
- Upon request and at an additional cost, containers are available in different color combinations



Safix

Safix Dimensions 63" x 27" x 10"

ORDER #	DESCRIPTION	# OF SHELVES	CONTAINERS INCLUDED
FSC 9D FSC 9	With doors Without doors	9	40 - LF 221
FSC 11D FSC 11	With doors Without doors	11	36 - LF 211 & 24 - LF 221
FSC 14D FSC 14	With doors Without doors	14	90 - LF 211

Note: All specifications are nominal

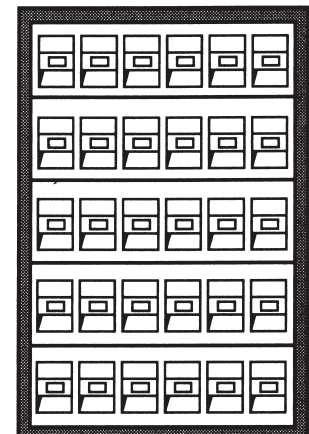
Reduced Height Cabinets Dimensions 30" x 27" x 10"

ORDER #	DESCRIPTION	# OF SHELVES	CONTAINERS INCLUDED
LSCH 6D LSCH 6	With doors Without doors	6	42 - LF 211
LSCH 4D LSCH 4	With doors Without doors	4	6 - LF 211 & 16 - LF 221

SAFIX MINOR without containers on request

Semi-Open Front Containers (See pages 83-86)

ORDER #	OUTSIDE DIM. L x W x H	CAPACITY (CUBIC FT)
LF 211-E	6.5 x 4.3 x 3.0"	0.03
LF 221-E	9.2 x 5.9 x 5.2"	0.10



LSCH 4

Cabinets

In addition to different shelf and container combinations, Schaefer cabinets can be outfitted as lockers or wardrobes. Available either 16" or 20" deep, they can be ordered with a lockable compartment, half shelves, or whatever shelf arrangement may be needed. All cabinets are manufactured from high quality sheet metal. Reinforced doors and galvanized shelves are standard.

G 24



KT 24

Storage Cabinets Dimensions 76" x 37" x 16"/20"

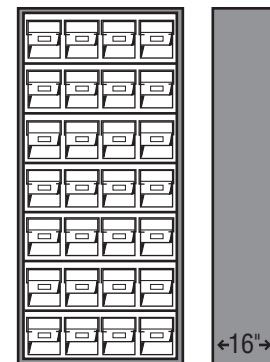
ORDER #	DESCRIPTION	# OF SHELVES	DIMENSIONS
G 24	Wardrobe Section	4	depth: 16"
G 25	Wardrobe Section	4	depth: 20"
K 24	Shelves	4	depth: 16"
K 246	Shelves	4	depth: 20"
KT 24	Built-in Safe	3	depth: 16"
KT 246	Built-in Safe	3	depth: 20"

Cabinets

- All cabinets are manufactured from high quality sheet metal
- The finish is a silver grey, stove baked enameled hammer finish
- Reinforced doors and galvanized shelves are standard
- For basic storage, Safix cabinets are available without containers
- Ideal for office, institutional or manufacturing facility
- Industrial strength with modern appearance
- Shelves are designed for an evenly distributed load of up to 110 lbs. (50 kg.)



K 2428



K 2428

Cabinets Dimensions 76" x 37" x 16"

ORDER #	DESCRIPTION	# OF SHELVES	CONTAINERS INCLUDED
K 2428	With doors	6	28 - LF 322
K 2432	With doors	7	12 - LF 322 & 20 - LF 321
K 2436	With doors	8	36 - LF 321

Note: All specifications are nominal Also available in 20" deep



K 2436



K 2432

STORAGE CABINETS

Storage Cabinets

- Heavy duty construction
 - Reinforced doors
 - High quality lock, with double-locking bars
 - Standard colour - Pearl grey
 - Other colours available on request
 - Standard dimensions, 72" H x 36" W x 20" Deep
 - Canadian made
- Three different variations available such as

- **Wardrobe Cabinet**
 - One hat shelf
 - Coat bar
 - Locking doors
- **Storage Cabinet**
 - 4 adjustable shelves
 - Locking Doors
- **Combination Cabinet**
 - One full hat shelf
 - 4 adjustable shelves
 - Coat bar
 - Locking Door



Cabinets 72"H x 36"W x 20" Deep

ORDER #	DESCRIPTION	# OF SHELVES
HDCW 3620	Wardrobe Cabinet	4
HDC 3620	Storage Cabinet	4
HDCWC 3620	Combination Cabinet	4

CLOTHING LOCKERS

Lockers

Space saving columns of lockers, walls of lockers or wardrobes are increasingly being used in offices and institutions because of their excellent use of space and limitless variety of combinations.

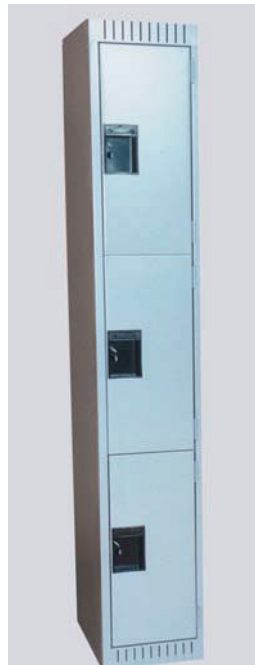
- 72" H x 12" W x 18" Deep (Single Bay)
- Shipped assembled, ready to use
- Fully ventilated
- 16 ga. steel door body
- 26 ga. steel body
- Standard colour, grey
- Canadian made

Single Tier Lockers come with 3 coat hooks, 1 shelf

Double Tier Lockers come with 2 coat hooks

The following options are available:

- Coat rod
- Sloping top
- Recessed base
- Number plate
- Extra shelf



Lockers 72"H x 12"W x 18" Deep

ORDER #	DESCRIPTION	# OF BANK(S)	ORDER #	DESCRIPTION	# OF BANK(S)
L-1218-1	Single Tier Locker	Bank of 1	L-1218-3	Triple Tier Locker	Bank of 1
L-1218-1-2	Single Tier Locker	Bank of 2	L-1218-3-2	Triple Tier Locker	Bank of 2
L-1218-1-3	Single Tier Locker	Bank of 3	L-1218-3-3	Triple Tier Locker	Bank of 3
L-1218-1-4	Single Tier Locker	Bank of 4	L-1218-3-4	Triple Tier Locker	Bank of 4
L-1218-2	Double Tier Locker	Bank of 1	L-1218-6	6 Tier Lockerette	Bank of 1
L-1218-2-2	Double Tier Locker	Bank of 2			
L-1218-2-3	Double Tier Locker	Bank of 3			
L-1218-2-4	Double Tier Locker	Bank of 4			

WORKBENCHES

Schaefer designed workbenches combine modular construction with flexible features to suit individual needs. All Schaefer workbenches offer unsurpassed strength - robust steel construction combined with the finest maple laminated hardwood tops available.

Attractively finished and extremely durable, Schaefer workbenches help streamline and organize your workshop area. Workbenches are Canadian made.

Bench Tops

Bench top surfaces and edges are accurately planed, sanded and laminated to provide an attractive and durable work surface. Most common sizes, such as 60" x 30" x 1 3/4" and 72" x 30" x 1 3/4" are kept in stock. Custom sizes are available upon request. Plastic Laminated Tops also available.

Workbench Legs

The workbench legs are made of heavy-duty construction and have knock-outs for electrical outlets. Legs come in the standard colour of pearl grey.



Workbench Leg

ORDER #	DESCRIPTION	DIMENSIONS
WBLL	Standard Grey Leg	27 x 32"H
WBLLEX	Extendable Leg	27 x 32" to 38 3/4"H

Maple Tops

ORDER #	DESCRIPTION	DIMENSIONS
Mapletop 6030	Laminated Maple Top	60 x 30 x 1 3/4"
Mapletop 7230	Laminated Maple Top	72 x 30 x 1 3/4"
Plastictop 6030	Plastic Laminated Top	60 x 30 x 1 3/4"
Plastictop 7230	Plastic Laminated Top	72 x 30 x 1 3/4"



WORKBENCH OPTIONS

Single Drawer

- 6" high drawer
- Grey housing, blue fascia

Double Drawer Pedestal

- 2 - 6" high drawers
- 100 lbs. capacity
- Grey housing, blue fascia
- Locks Optional

4 Drawer Pedestal

- 4 - 6" high drawers
- Nylon rollers
- Grey housing, blue fascia
- Locks Optional

2 Drawer, 1 Door Pedestal

- 2 - 6" high drawers
- 1 - 12" door
- Nylon rollers
- Grey housing, blue fascia
- Locks Optional



Drawers & Pedestals

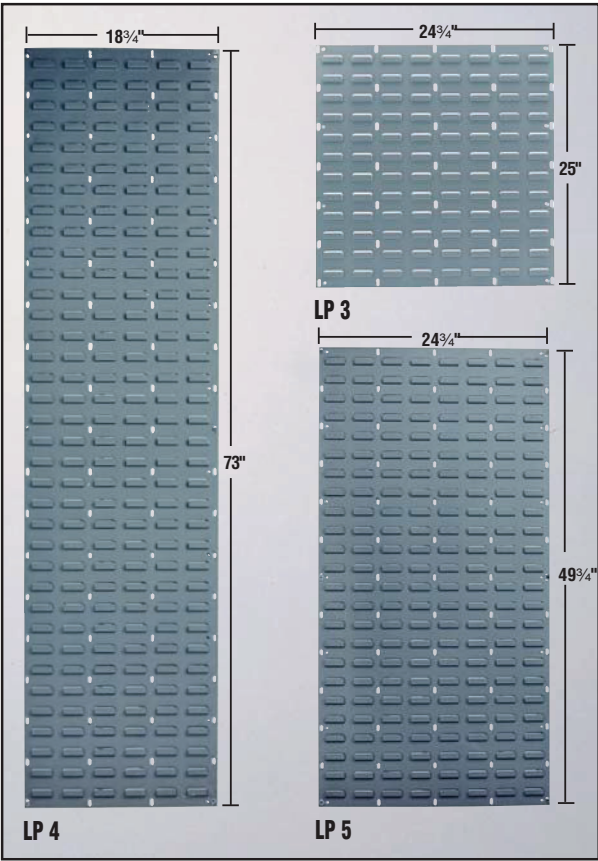
ORDER #	DESCRIPTION	DIMENSIONS
SINGLEDRAWER	Single Drawer	21"D x 18"W x 7 1/4"H
DD1821	Double Drawer	19 1/2"D x 16"W x 12 1/4"H
P1821-4	4 Drawer Pedestal	21"D x 18"W x 32"H
P1821-2-1	2 Drawer, 1 Door Pedestal	21"D x 18"W x 32"H
CL-10	Cylinder Lock	

Louvered Panels

Louvered panel systems are excellent high density storage systems. Designed for use with Schaefer LF containers, they can be wall mounted. By adding louvered panels to existing shelving systems, dead space is converted to usable space. In small parts storage systems, they can be considered along with modular cabinets for high density storage and picking of small parts.

Product Line Advantages

- Systems pay for themselves through space saving, faster picks and better control
- Made from 16-gauge steel in a silver grey baked enamel
- Parts are easily visible
- Containers can be color coded for improved inventory control
- Available in a large selection of sizes for storing all types of parts
- To store hanging parts use round, square and wire cable hangers



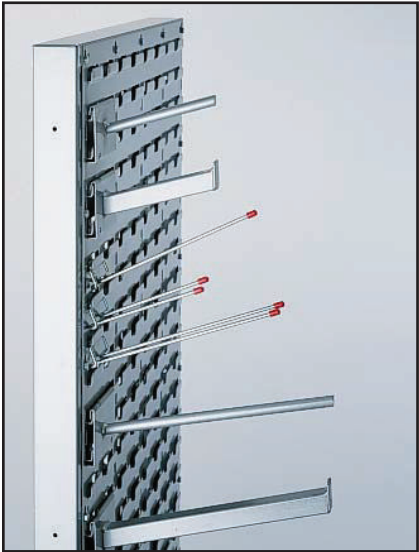
Louvered Panels and LF Containers

ORDER #	DIMENSIONS	NUMBER OF LF CONTAINERS PER PANEL						
		LF 110	LF 211 E	LF 221 E	LF 321	LF 322	LF 341	LF 532
LP 3	25.0 x 24.75"	36	36	16	12	9	3	6
LP 4	73.0 x 18.75"	72	72	36	24	18	9	9
LP 5	49.75 x 24.75"	72	72	32	21	15	6	10

Note: All specifications are nominal



See page 82 for container dimensions.



Hangers

Hangers

ORDER #	DIMENSIONS	DESCRIPTION
CS-6 RA	6"	Round cable angled
CS-12 RA	12"	Round cable angled
CS-6 SA	6"	Square cable angled
CS-12 SA	12"	Square cable angled
CSW-6	6"	Wire cable
CSW-9 S	9"	Wire cable
CSW-10	10"	Wire cable



Free-Standing Racks

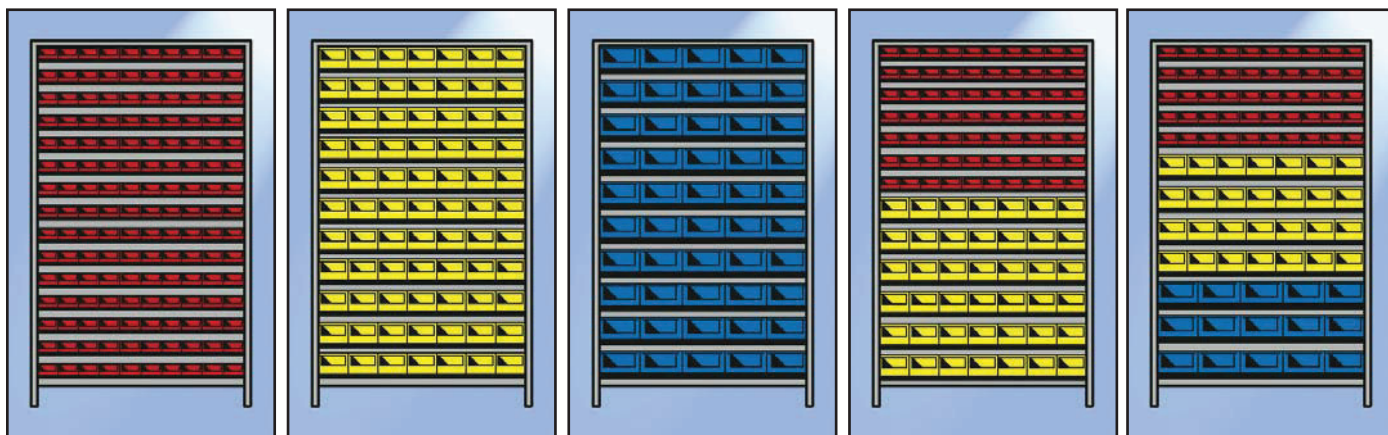
Silver grey painted welded steel frame.
Adjustable clip-on rails to hold containers in place. Containers in various colours. (see page 82 for details)

Dims (single sided rack):

W 45" x H 76.7" x D 16"

Dims: (double sided rack):

W 45" x H 76.7" x D 32"



Single Sided Free-Standing Racks

ORDER #		ORDER #	
FSR 500-e	without containers	FSR 500-e PE	with 150 x LF 211
FSR 400-e	without containers	FSR 400-e PE	with 77 x LF 221
FSR 310-e	without containers	FSR 310-e PE	with 50 x LF 321
FSR 450-e	without containers	FSR 450-e PE	with 70 x LF 211 / 42 x LF 221
FSR 345-e	without containers	FSR 345-e PE	with 50 x LF 211 / 28 x LF 221 / 15 x 321

Double Sided Free-Standing Racks

ORDER #		ORDER #	
FSR 500-d	without containers	FSR 500-d PE	with 300 x LF 211
FSR 400-d	without containers	FSR 400-d PE	with 154 x LF 221
FSR 310-d	without containers	FSR 310-d PE	with 100 x LF 321
FSR 450-d	without containers	FSR 450-d PE	with 140 x LF 211 / 84 x LF 221
FSR 345-d	without containers	FSR 345-d PE	with 100 x LF 211 / 56 x LF 221 / 30 x 321



Schaefer Canada has over 38 years hands on experience in evaluation and design.
We provide a detailed autocad drawing of your storage needs.



Schaefer System International Limited, serves the Canadian market through its 80,000 sq. ft. headquarters and distribution facility located in Brampton, Ontario. Schaefer Canada maintains a sales office in Montreal. In addition, Schaefer has a network of stocking distributors and dealers across Canada.

For any manufacturer, distribution center or warehouse, Schaefer Canada has the most compatible and diversely complete system in material handling, providing the broadest range of products and accessories which compliment one another to meet any storage and material handling need. With dedicated, knowledgeable and creative representatives, Schaefer Canada is able to provide space and cost effective solutions supported by first class customer service and guidance.

Sound and practical solutions to material handling needs are developed through close consultation with the customer and our technical experts at no extra cost to the customer.

Schaefer's network of dealers and distributors has been selected for their commitment to excellence and a desire to represent Schaefer quality and innovation.

Schaefer Canada has been providing innovative solutions that fit every type of material handling problem for over 35 years. We can recommend a simple storage unit for odds and ends or complex multi-tier shelving and catwalk systems and even automated storage and retrieval systems and rack supported buildings.

Please be sure to visit our web site at www.ssi-schaefer.ca





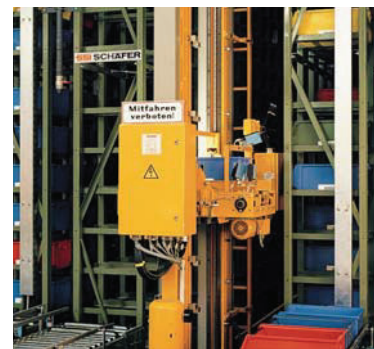
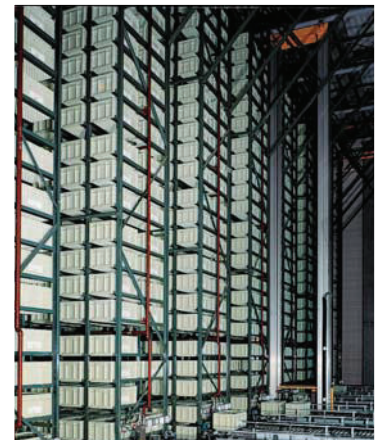
This section of the catalog provides a brief overview of the Schaefer organization...its strengths, capabilities and enormous product variety. In addition to its well deserved reputation as a world leader in the production of steel and plastic, the Schaefer name is synonymous with one of Europe's most successful catalog houses. And whether it's a highly engineered rack supported building, mini-load system, soft drink keg or heating element, Schaefer stands for quality and integrity.

The development and production of environmentally-friendly products is a commitment most of us share. Within these confines, the Schaefer Group continues to develop new products and improve existing ones.

At the core of this commitment are people and their needs. The humanization of the workplace and the lessening of the impact on our environment are essential for our continued well-being.

To develop and produce products from steel and plastic which are of the highest quality, which enhance our quality of life, and which reduce the impact on our surroundings are obligations of the Schaefer Group.

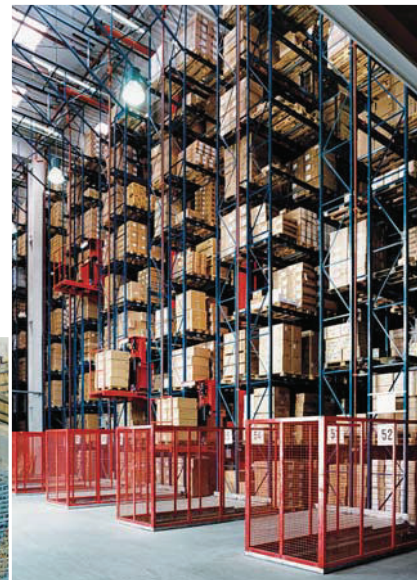
MINI-LOAD**RACK
SUPPORTED
BUILDINGS****AUTOMATED PICKING
AND CONVEYING
SYSTEMS****LONG SPAN
SHELVING****PICKOMAT VERTICAL
LIFT MODULE****DRAWER UNITS****OVERVIEW**



S

tability and precision are prerequisites to ensure the smooth operation of an automated small parts storage and retrieval system. Having the flexibility to accommodate the many types of systems in use today is paramount.

Here again, decades of experience in designing and installing many different kinds of storage systems are paying off. Schaefer has built large and small mini-load installations all over the world. We are familiar with the leading stacker-crane suppliers to guarantee the smooth integration of all systems and equipment. With Schaefer, you are getting precision engineering from the people with know-how.



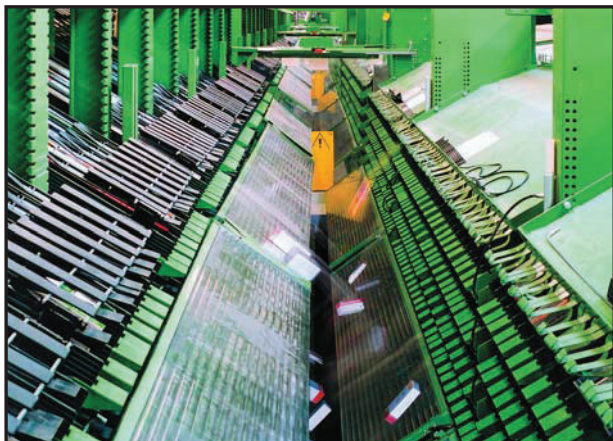
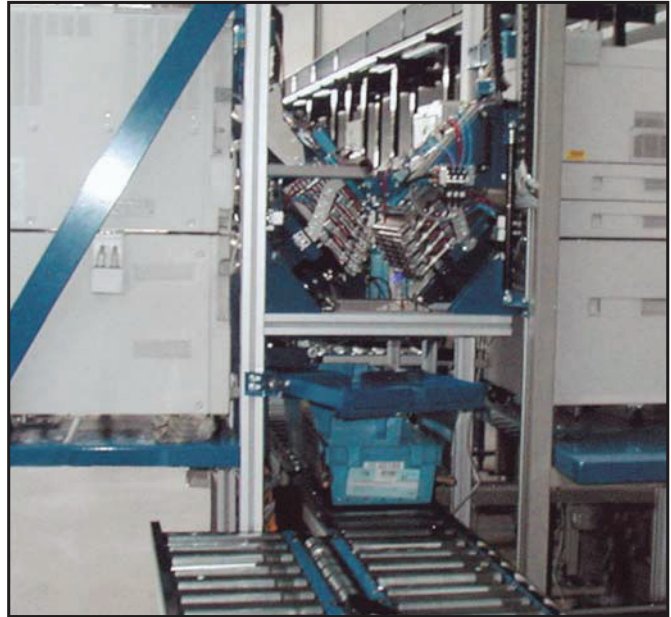


he ultimate use of space...with minimal use of building materials. With Schaefer's rack-supported buildings, the roof and walls are attached directly to the rack-ing, making a separate building unnecessary. Even though tons of steel are used in the construction of a silo, it is financially attractive when compared to the time and materials needed for a conventional high-bay storage facility.

Leading companies around the world have commissioned Schaefer to build high-bay storage systems using this integrated building structure. Schaefer offers turnkey installations that include steel construction, cladding of the walls and roof, sealing the roof, heating and ventilation installation, as well as lightning protection and drainage.

Schaefer has established partnerships with the suppliers for concrete slab, automatic conveying and control systems, data processing facilities, software and electrical installations. The result is extremely efficient construction schedules and problem-free operation of all systems when the facility goes on-line.

Schaefer supplied the rack-supported structure for one of the largest high-bay storage warehouses in Europe. Here millions of books and tapes are stored under one roof. A computer is the electronic brain at the center of the operation which handles 40 million books, 15 million cassettes and 400,000 videos annually. The building is 460 feet long, 206 feet wide and 118 feet high.



Global Competence in Warehousing, Conveying and picking technology

Requirements in warehousing, conveying and picking technology are as manifold as the sectors in need of an integrated solution.

SSI SCHAEFER PEEM is a world renowned specialist for efficient integrated solutions in warehousing, conveying, and picking technology. Regardless of size, these integrated solutions are individually designed, forward-looking and custom tailored to meet the specific product needs of our clients.

Transparent processes, permanent control and clarity in logistics are the prerequisites for modern, cost-effective major storage facilities.

Quality, future, and feasibility studies carried out by SSI Schaefer PEEM are an integral part of our project management, as well as return of investment analyses.

SSI Schaefer PEEM produces technology for people. Simple routine jobs are carried out by machines. Trained specialists check the processes.

As a member of the strong Schaefer Group and with many branches and representations, SSI Schaefer PEEM guarantees the synergies of a global player.



A new generation of vertical lifts

SSI Schaefer's Pickomat® — an exceptionally efficient system for the storage and accessing of small- and medium-sized parts.

Schaefer's Pickomat® can be used as an autonomous system for storage, buffering, accessing, and order-picking.

Order-picking is affected according to the convenient "goods to man" principle, Due to highly dynamic drive technology using frequency-controlled drives (compared to conventional vertical lifts), an even better order-picking performance can be achieved. The dual staging of containers and materials on the same height level additionally increases efficiency, the additional distance that has to be covered for order-picking and waiting time is avoided.

Modular design

The modular design of the PICKOMAT® leads to an ideal utilization of the existing room height up to a maximum unit height of 39 ft. The height of the material to be stored can vary from only a fraction of an inch up to 30". For an ideal utilization of the room, dynamic storage is possible. This means that sensors automatically register the height of the goods to be stored and then allocate the ideal storage space. The storage trays used have a net storage surface of 48" x 32" and can be partitioned accordingly or loaded with containers.

User-friendly control

The relevant information is provided via a touchscreen with a big display, and new, ergonomically arranged user interface. Items with alphanumerical designations can now be entered directly, without complicated routines, via an on-screen numerical keyboard.

WORLDWIDE CAPABILITIES: LONG-SPAN SHELVING





Long-span shelving is a less costly alternative when heavy duty pallet racking, which supports extremely heavy loads, is not necessary. It is especially well suited for storing bulky items, and it is attractive – not only from a cost standpoint, but also because it is simple and assembles quickly.

As with all shelving systems designed by Schaefer, long-span shelving is extremely versatile. It is based on the Starter Add-on principle, which means additional shelving bays can be added to either side of the starter unit. No tools, nuts or bolts are required for assembly.

Using the same uprights, beams and shelves, Schaefer long-span shelving can be expanded up to a height of 33 feet, including catwalks.



Schaefer offers a wide range of cabinets, counters and drawer units for storing tools or small parts. Tools, small parts or large blueprints and drawings can be stored safely and stay accessible at all times. An array of sizes and arrangements is possible to facilitate different applications or utilize restricted space. Units can be combined to form counter tops for parts supply areas. Dividers are available to store nuts, bolts or other loose items.

Drawers run quietly and smoothly on high-quality ball bearings. Each drawer can support up to 200 lbs. To keep the cabinets from tipping over, only one drawer can be opened at a time. All units are finished in a handsome silver grey enamel. Locks are available for security.

The modern, clean lines of these units help to turn the most disorderly area into a highly functional showplace.



Medical Furnishings



Workbenches



Schaefer Shop



Office Equipment



Kegs



Heating Units



Depot Containers



Lockers



chaefer is known worldwide as a manufacturer of high quality steel and plastic products for the materials handling industry. Shown here are some of the other products marketed by the Schaefer Group, demonstrating the tremendous versatility of the organization.

- Office furnishings designed to be attractive and functional create more productive work environments
- Workbenches, drawers and cabinets streamline and organize work stations and make them safer
- High quality stainless steel equipment for clinics, doctor's offices and rehabilitation centers meets the most stringent hygienic standards
- Reusable kegs for soft drinks, kegs with integrated CO₂ cartridges and kegs that control the temperature of the contents
- Energy efficient oil or gas based heating units for industrial applications and environmentally safe heating elements for home use
- A wide range of waste and recycling containers for industrial, commercial and domestic applications
- Functional, attractive and safe lockers and cabinets for health clubs and spas
- Schaefer Shops and a mail order catalog division with more than 20,000 articles for industrial uses, offices, fashions, advertising specialties and home accessories

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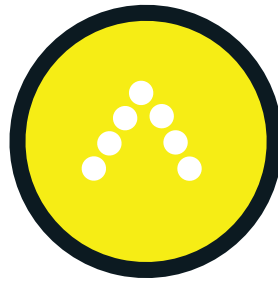
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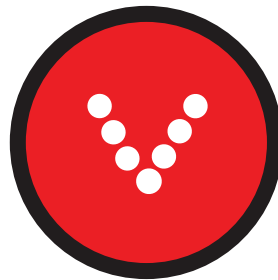
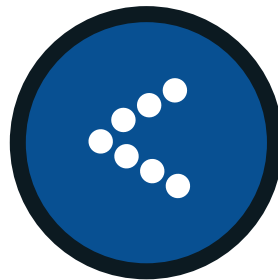
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