SSI SCHAEFER

R3000 SHELVING

**R3000
SHELVING SYSTEMS**

R3000 SHELVING SYSTEMS

SSI SCHAEFER SYSTEM INTERNATIONAL LIMITED

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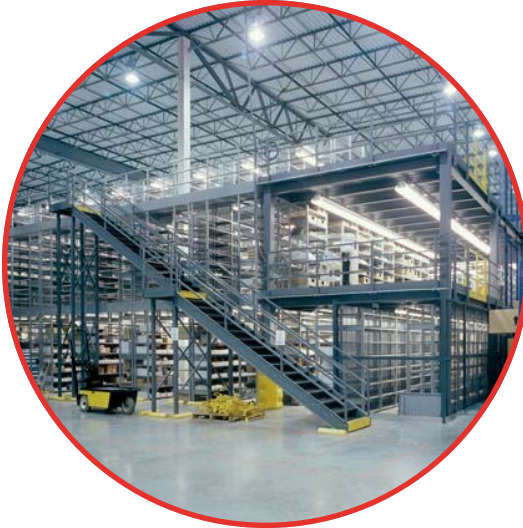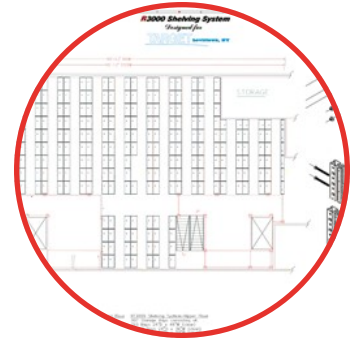
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R3000 SHELVING

Shelving

The versatility of R3000 Shelving is best demonstrated when it is used in multi-tier installations. It can be expanded to four levels using basically the same components as in a single-level installation.
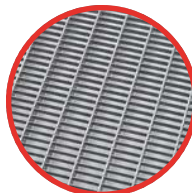
Free-standing platforms are also available. Contact Project Services.

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

▲ Standard grating 0.1875" square for pedestrian traffic

▲ Small opening grating 0.5" x 1.375" for wheels traffic

▲ Guard rail simply bolts to holes in upright post

R3000 SHELVING

A Versatile & Economical Storage Solution

The R3000 shelving 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 feet in continuous length, which offers significant structural advantages when they are used in multi-level applications.

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

R3000 Advantages

- Uprights are closed, seamless interior-welded, double box style configuration
- Industry exclusive Schaefer prepunched lug design
- Uprights are 1.22" x 2.36"
- Lugs are spaced at 2" for flexible, easy shelf arrangement
- 10,000 lbs. bay load capacity
- Frames available in 12", 16", 20", 24", and 32" depths and in standard heights of 85.5", 98", and 118.9"
- Shelves are single or double box design
- Boltless and clipless placement of shelves within a bay
- Shelves adjust easily, even 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
- Frames are shipped pre-assembled
- Frames are all galvanized construction
- All frames are equipped with footplates

R3000 Accessories

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

R3000 SHELVING

Support Frames for Single-Level Units

Frame Heights 85.5", 98", & 118.9"

R3000 FRAMES (measurements in inches)		
ORDER #	**DIMENSIONS**	
	D	**H**
RR33121V	12	85.5
RR33125V	12	98
RR33130V	12	118.9
RR34121V	16	85.5
RR34125V	16	98
RR34130V	16	118.9
RR35121V	20	85.5
RR35125V	20	98
RR35130V	20	118.9
RR36121V	24	85.5
RR36125V	24	98
RR36130V	24	118.9
RR38121V	32	85.5
RR38125V	32	98
RR38130V	32	118.9
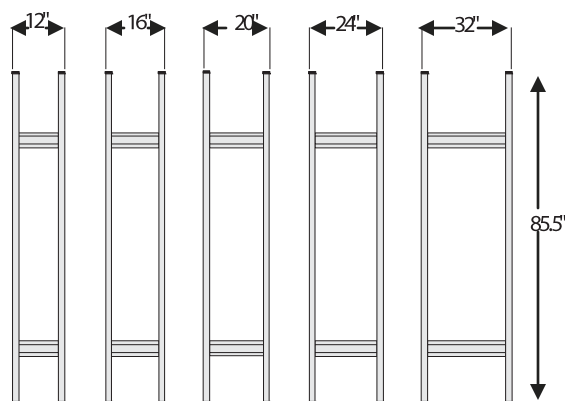
▲ **85.5" Frames**
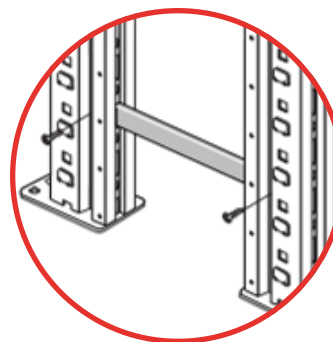
◄ **Frame Connector**

Cross Bracing

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

R3000 CROSS BRACES (in inches)		
ORDER #	**DIMENSIONS**	
	W	**H**
KV31013	39	85.5
KV31013	39	98
KV31013	39	118.9
KV31313	50.5	85.5
KV31313	50.5	98
KV31313	50.5	118.9

R3000 FRAME CONNECTORS (in inches)	
ORDER #	**SPACE**
RV3006	.25
RV3030	1.18
RV3050	2
RV3100	4
RV3300	12

◄ **Wire mesh side and back panel with cross brace**

12' 16' 20' 24' 32'

85.5'

▲ **85.5" Frames**

◄ **Frame Connector**

◄ **Wire mesh side and back panel with cross brace**

R3000 SHELVING

R3000 Adjustable Shelves

S.S.I. 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 200 lbs. and has two more bends than other box-style shelves
- The double box shelf supports up to 880 lbs. and is also the only one if its kind available on the market
- Shelves have a lap and welded seam design with reinforced corners
- Shelves are slotted at 1 1/2" intervals for drop-in dividers
- Shelves come standard with galvanized finish. Painted option available (silver-grey)
- Shelves can be adjusted to a 6º or 12º 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 2 3/8" to the shelf for (starter) unit and 1 3/16" (and shelf width) for every subsequent add-on bay
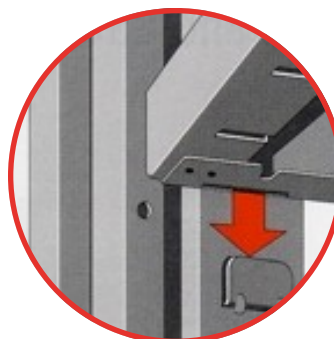
◄ Schaefer's unique shelving design features overlapping support folds, spot welding to avoid twisting, increased stability, no sharp edges for safety
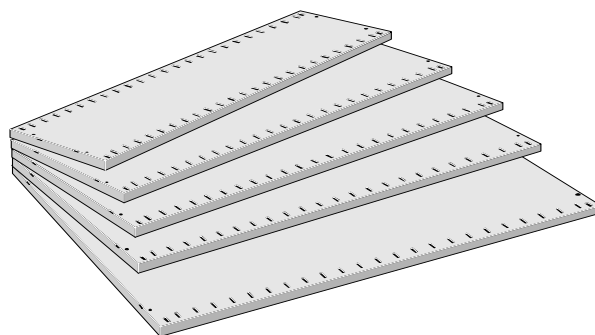
▲ 50 1/2" width available in 3 depths
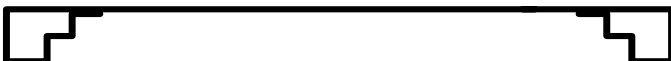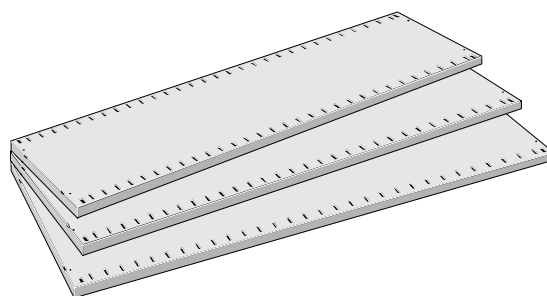
▲ Single-box construction, up to 220 lbs. load capacity

▲ Double-box construction, up to 880 lbs. load capacity

▲ 39" width available in 5 depths

R3000 ADJUSTABLE SHELVES			(in inches)
ORDER #	**CAPACITY**	**DIMENSIONS**	
		D	**W**
ZB4313GV	220 lbs.	12	39
ZB4413GV	220 lbs.	16	39
ZB4423GV	440 lbs.	16	39
ZB4513GV	220 lbs.	20	39
ZB4523GV	440 lbs.	20	39
ZB4533GV	660 lbs.	20	39
ZB4543GV	880 lbs.	20	39
ZB4613GV	220 lbs.	24	39
ZB4623GV	440 lbs.	24	39
ZB4633GV	660 lbs.	24	39
ZB4643GV	880 lbs.	24	39
ZB4823GV	440 lbs.	32	39
ZB9525GV	550 lbs.	20	50.5
ZB9625GV	550 lbs.	24	50.5
ZB9825GV	550 lbs.	32	50.5

▲ From left to right, a free-standing divider and a full-height divider. Details on page 8.

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R3000 Side and Back Panels

Wire Mesh Side and Back Panels

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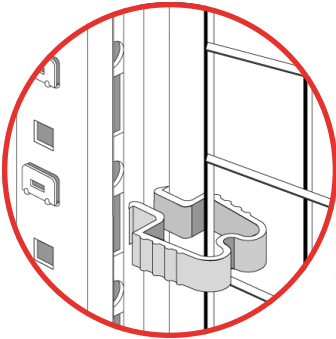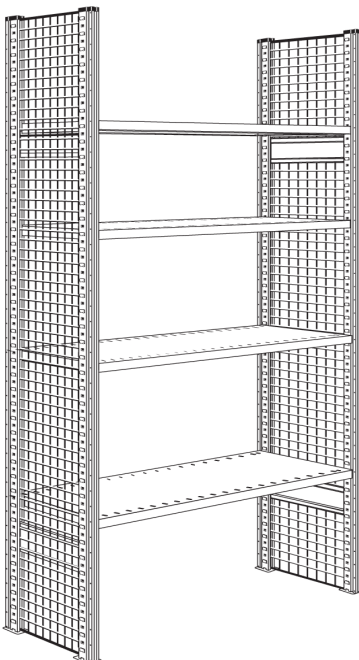

◄ Mesh Side Panel Clip
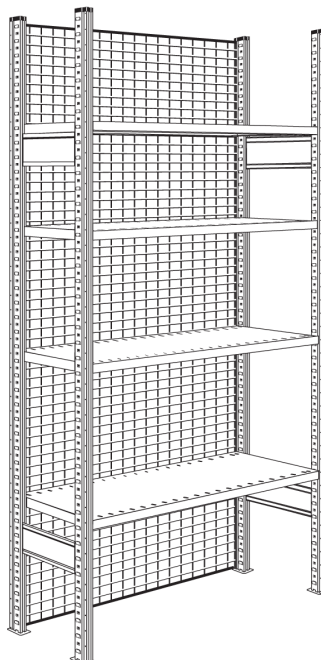

◄ Mesh Back Panel Clip

| R3000 SIDE PANELS		(measurements in inches)	
ORDER #		DIMENSIONS	
SOLID	WIRE	D	H
SWI3321	SWG3321	12	85.5
SWI3325	SWG3325	12	98
SWI3330	SWG3330	12	118.9
SWI3421	SWG3421	16	85.5
SWI3425	SWG3425	16	98
SWI3430	SWG3430	16	118.9
SWI3521	SWG3521	20	85.5
SWI3525	SWG3525	20	98
SWI3530	SWG3530	20	118.9
SWI3621	SWG3621	24	85.5
SWI3625	SWG3625	24	98
SWI3630	SWG3630	24	118.9
SWI3821	SWG3821	32	85.5
SWI3825	SWG3825	32	98
SWI3830	SWG3830	32	118.9

See chart on page 7 for back panels.

▲ Mesh Side Panel

▲ Mesh Back Panel
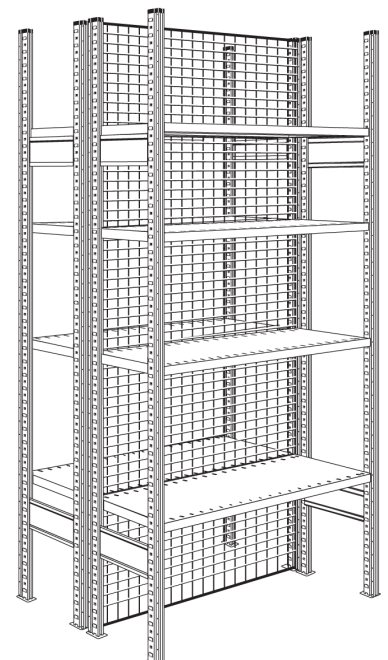
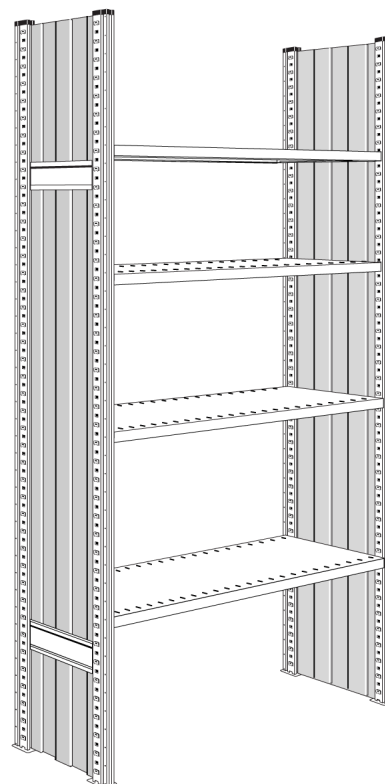
▲ Double Unit with Mesh Centre Panel

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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.
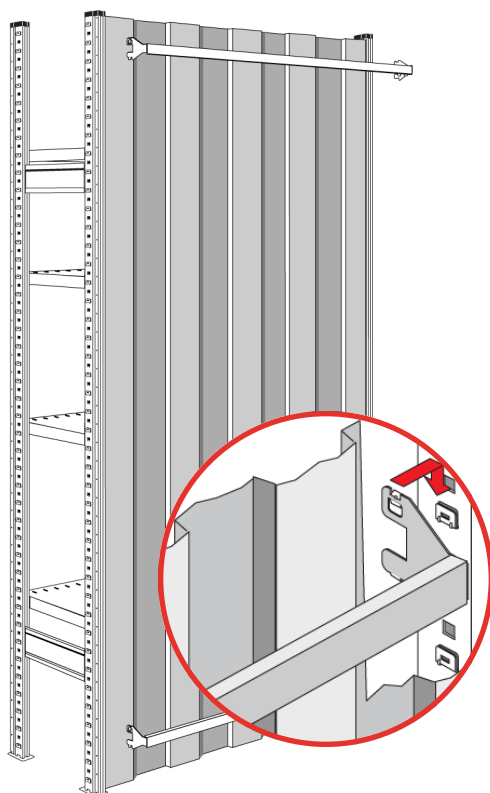
Solid Back Panels

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. Centre panels are placed in between back-to-back storage bays.
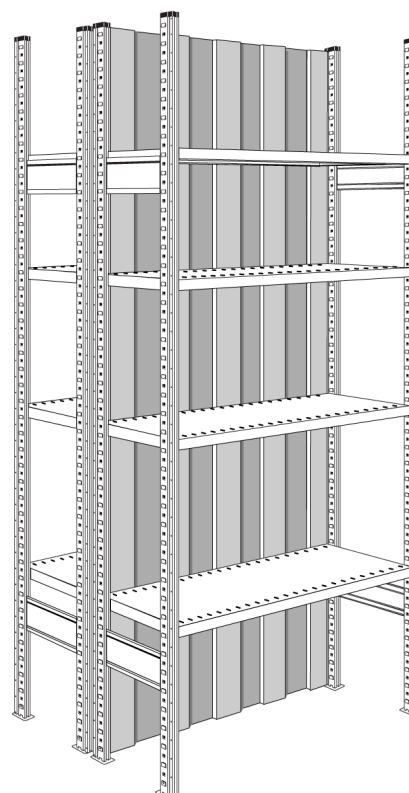
R3000 BACK PANELS
(measurements in inches)

ORDER #		DIMENSIONS	
SOLID	WIRE	W	H
RWA31021	RWG31021	39	85.5
RWA31025	RWG31025	39	98
RWA31030	RWG31030	39	118.9
RWA31321	RWG31321	50.5	85.5
RWA31325	RWG31325	50.5	98
RWA31330	RWG31330	50.5	118.9

▲ Solid Side Panel

▲ Solid Back Panel (includes beams)

▲ Double Unit with Solid Centre Panel

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R3000 SHELVING
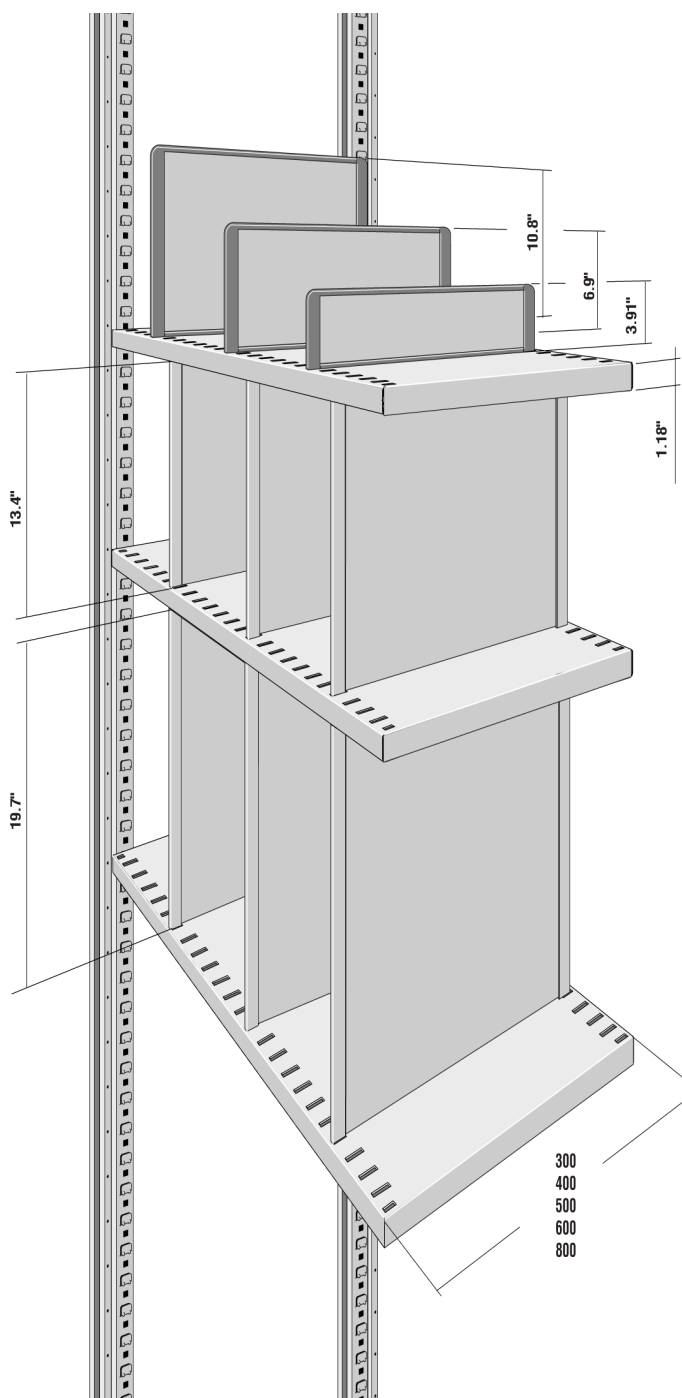
R3000 Shelf Dividers

- 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 1.5"
- Other divider heights are available. Contact Project Services

FREE-STANDING DIVIDERS		(in inches)
ORDER #	HEIGHT	SHELF DEPTH
TRF4310	3.91	12
TRF4410	3.91	16
TRF4510	3.91	20
TRF4610	3.91	24
TRF4810	3.91	32
TRF4317	6.9	12
TRF4417	6.9	16
TRF4517	6.9	20
TRF4617	6.9	24
TRF4817	6.9	32
TRF4427	10.8	16
TRF4527	10.8	20
TRF4627	10.8	24

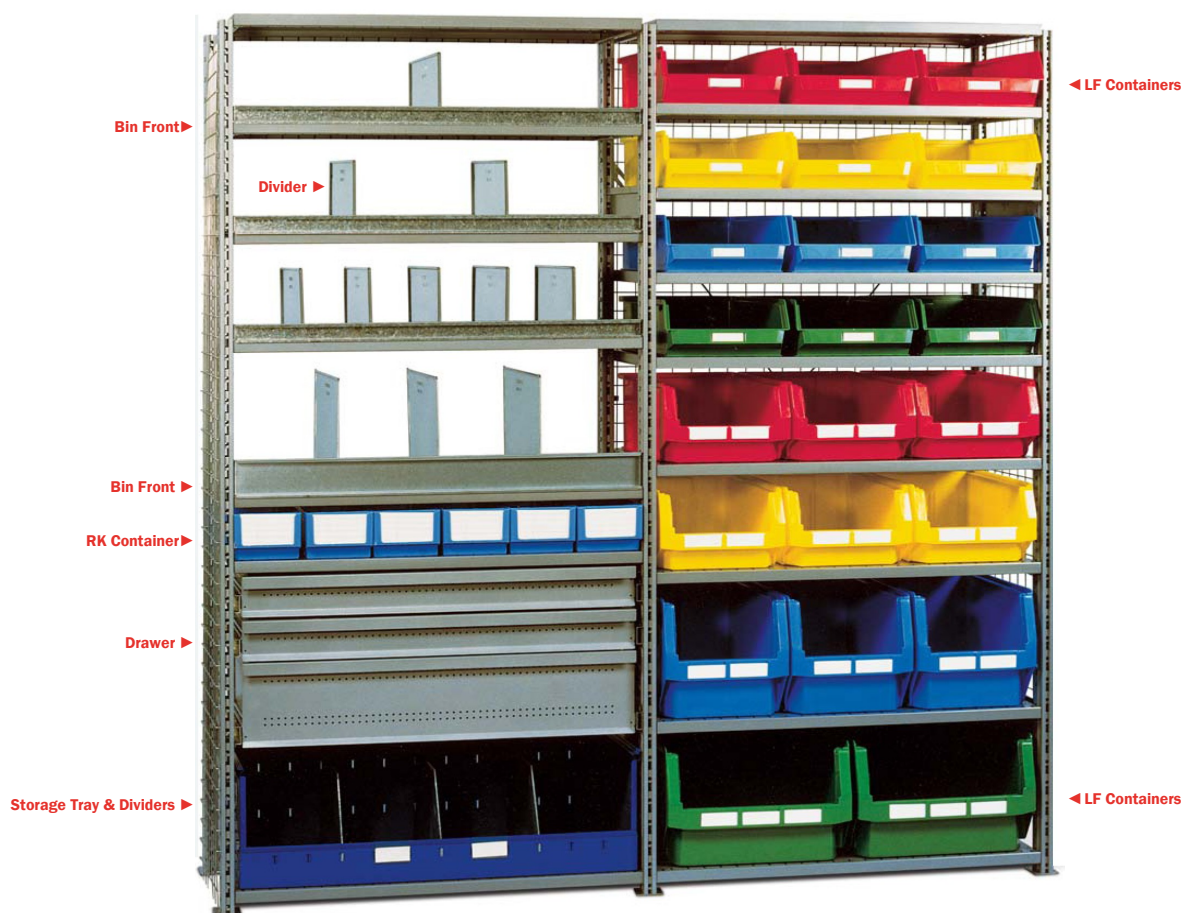| FULL-HEIGHT DIVIDERS		(in inches)
ORDER #	HEIGHT	SHELF DEPTH
TR4340	13.4	12
TR4440	13.4	16
TR4540	13.4	20
TR4640	13.4	24
TR4450	19.7	16
TR4550	19.7	20
TR4650	19.7	24

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R3000 Accessories

Storage Trays

- 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 & bolts
- Available in 39" width only

STORAGE TRAYS & DIVIDERS				(in inches)
STORAGE TRAY	DIVIDER	SUPPORT RAIL	SIZE	
			D	H
LW386	LWT386	AP44004800	16	5
LW3830	LWT3830	AP44004800	16	12
LW512	LWT512	AP4500	20	5
LW530	LWT530	AP4500	20	12

Available in 39" width only

HOLDERS & LABELS FOR STARGAE TRAYS		(in inches)
HOLDERS	LABELS	LENGTH
(50 QTY.)	(100 QTY.)	
EHK75	EHKE75	3
EHK85	EHKE85	3 3/8
EHK135	EHKE135	3 3/8

Bin Front ▶
Divider ▶
Bin Front ▶
RK Container ▶
Drawer ▶
Storage Tray & Dividers ▶
◀ LF Containers
◀ LF Containers

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R3000 Doors

- Full-height doors (82.5") for 85.5" units
- Doors can be easily adjusted to open and close smoothly even when doors are not level
- Recessed locking handle is standard equipment
- Silver-grey, painted finish
- Installs with only four screws into upright posts
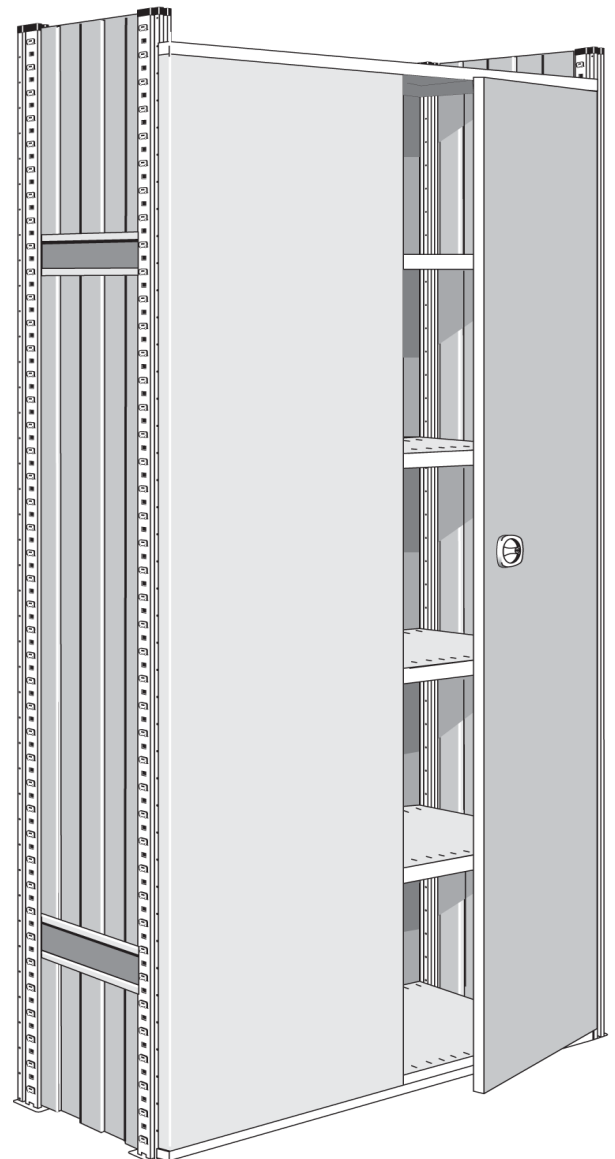- Available for 39" wide bays

R3000 DOOR SETS		(measurements in inches)
ORDER #	**DIMENSIONS**	
	W	**H**
FTR4001	39	85
FTR4001MEZZ	39	72

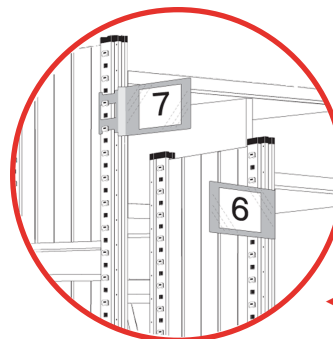▲ Full-Height Door with Recessed Handle

▲ Catwalk-Height Door with Recessed Handle

R3000 SHELVING

R3000 Accessories & Parts
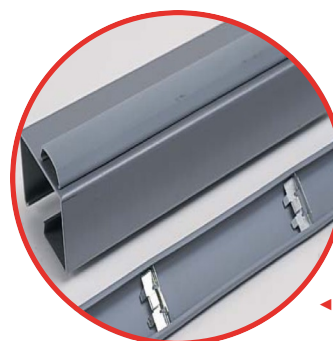
Aisle Markers

- Especially useful in large installations to identify rows
- Self-adhesive, attach in either direction

◀ Aisle Markers

Lug Covers

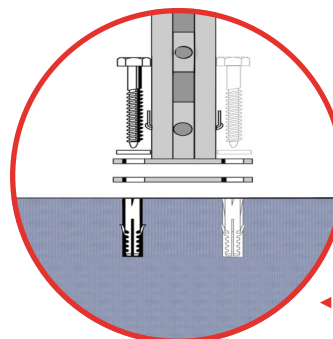- Plastic strip fits over lugs in the post to give clean, finished look

◀ Lug Cover Attachment

R3000 ACCESSO-	
	(measurements in inches)
ORDER #	ITEM
GB	Plastic Adhesive Aisle Marker (10/pkg.)
GBL	Steel Aisle Marker, Right Angle (10/pkg.)
GBQ	Steel Aisle Marker, Straight (10/pkg.)
RA4000	Lug Covers (85")
BF3000	Floor Anchors (4 Recommended Per Unit)

◀ Anchor Bolts

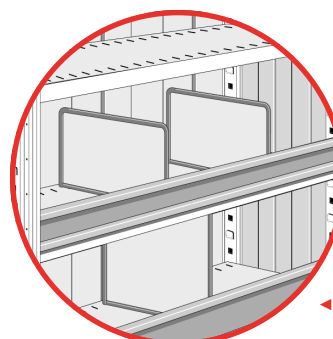### Bin Fronts

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

R3000 BIN FRONTS		
	(measurements in inches)	
ORDER #	DIMENSIONS	
	W	H
VL4001	39	1.5
VL4000	39	3.5
VL9001	50.5	1.5
VL9000	50.5	3.5

◀ Bin Fronts & Dividers

R3000 SHELVING

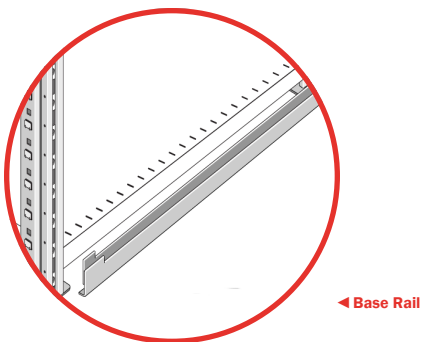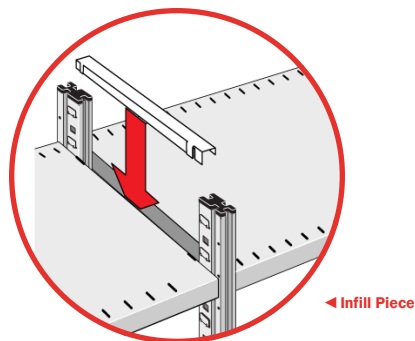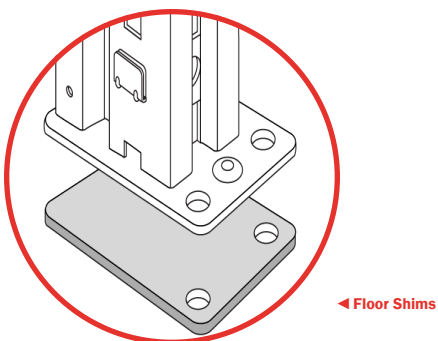## Base Rail

- Galvanized
- Closes the gap between the first lug (lowest shelf position) and the floor

R3000 BASE RAIL	(measurements in inches)
ORDER #	WIDTH
S07102	39
S07132	50.5

◀ Infill Piece

◀ Base Rail

Infill Pieces

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

◀ Floor Shims

R3000 INFILL PIECE	(measurements in inches)
ORDER #	BAY DEPTH
BL4300	12
BL4400	16
BL4500	20
BL4600	24

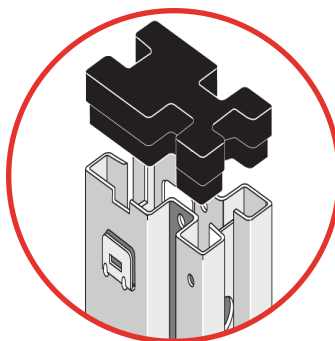| R3000 FLOOR SHIMS	(measurements in inches)
ORDER #	THICKNESS
UP3001	0.0394
UP3002	0.0787
UP3003	0.01181

R3000 SHELVING

Rear Stops

- Keep parts from falling off the back of the shelf
- Can be used to divide bays in double-unit applications
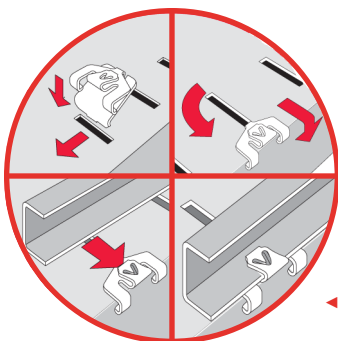
R3000 TOP CAPS	
ORDER #	COLOUR
AK3000	Black

◄ Rear Stop Clips

◄ Top Cap

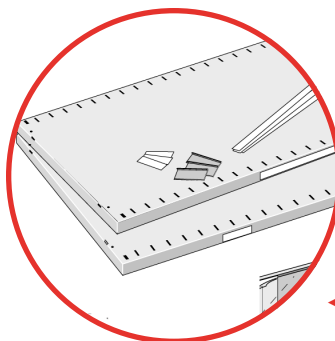| R3000 REAR STOPS	(measurements in inches)
ORDER #	WIDTH
DSL4102	39
DSL9131	50.5

Top Caps

- High-quality plastic
- Black colour
- Clipped to the top of uprights for finished look

◄ Shelf with Rear Stop
(View From Back)

◄ Label Holder

| LABELS & HOLDERS		(measurements in inches)
ORDER #		LENGTH
HOLDER (50 QTY.)	LABELS (100 QTY.)	
EH4085	EHE4085	3.5
EH4135	EHE4135	5.5
EH4490	EHE4490	19.5

R3000 SHELVING

R3000 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 fascia 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
- Silver-grey painted finish
- A shelf is used to cover 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 the floor

R3000 DRAWER SETS (measurements in inches)

ORDER #	DIMENSIONS		
	D	W	H
ESCH4410	16	39	4
ESCH4420	16	39	8
ESCH4510	20	39	4
ESCH4520	20	39	8
ESCH4610	24	39	4
ESCH4620	24	39	8

3.1"
35.7"
17.2"
22.3"
Usable height 3.38"
3.9"
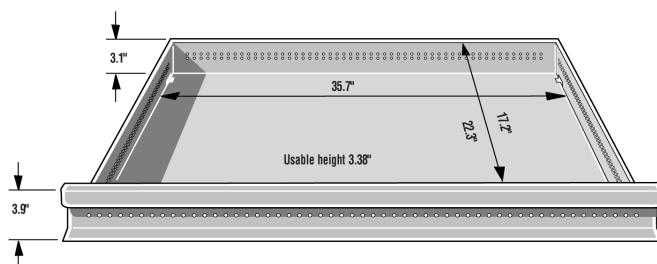
▲ The 4" drawer has a usable height of 3.1".
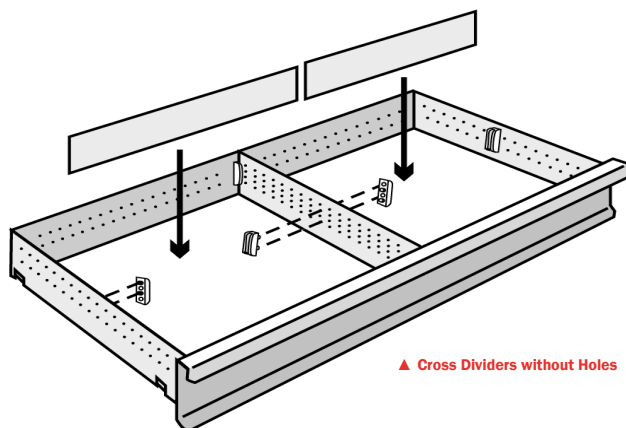

7.3"
Usable height 7.5"
22.3"
17.2"
35.7"
8.1"
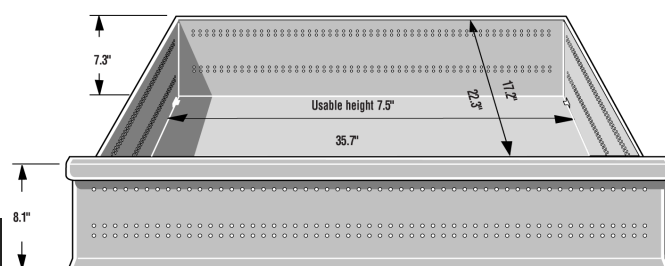
▲ The 8" drawer has a usable height of 7.3".

EK INSERT BOXES FOR DRAWERS (in inches)

| ORDER #	FITS DRAWER	OUTSIDE DIMENSIONS			TARE
	H	L	W	H	WEIGHT (lbs.)
EK1	4	7.1	3.8	2.4	0.2
EK2	4	3.8	3.6	2.4	0.1
EK3	4	3.6	1.9	2.4	0.1
EK111	8	5.4	3.5	4.4	0.2
EK111N	8	5.4	3.5	3.8	0.2

▲ EK Insert Boxes in Drawer

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▲ Divider with Holes
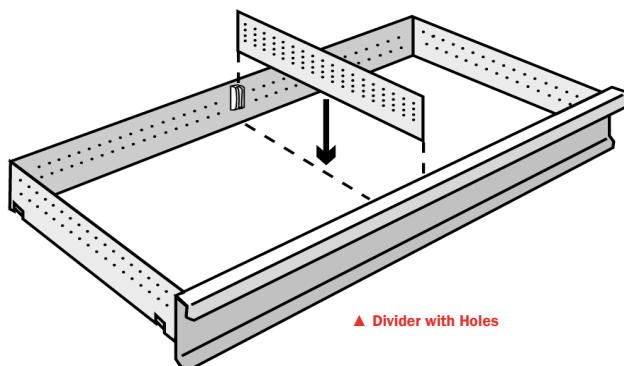
R3000 Drawer Dividers

- Dividers insert into holes in the sides of the drawer
- Partitions with snap-in plastic adapters available for further sectioning
- EK Boxes shown on page 14 can be used to subdivide drawers into a variety of smaller compartments
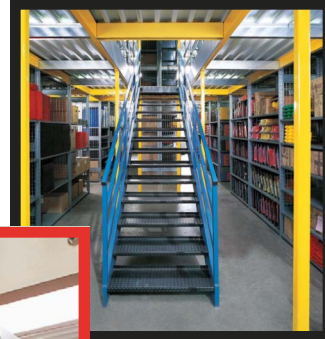

▲ Cross Dividers without Holes

▲ Drawer Divided Into Four Sections
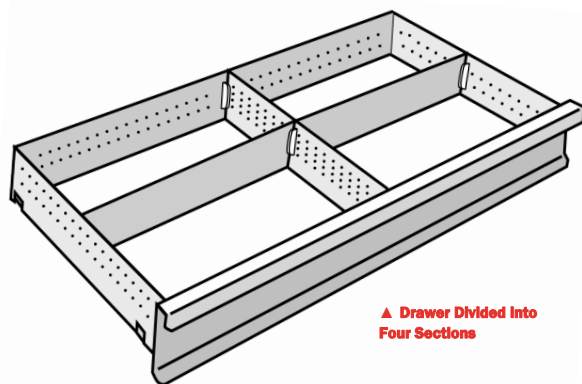
R3000 DRAWER DIVIDER SETS						(measurements in inches)	
ORDER #	# OF COMPARTMENTS	DIMENSIONS		FOR 39" DRAWERS		CONSISTS OF:	
		W	D	D	Usable Height	Perforated Divider	Partition Divider
SE4121	4 (2W x 2D)	17.5	6.5	16	3	1 STE4010	2 QTE1210
SE4122	4 (2W x 2D)	17.5	6.5	16	7	1 STE4020	2 QTE1220
SE4141	8 (4W x 2D)	8.75	6.5	16	3	3 STE4010	4 QTE1410
SE4142	8 (4W x 2D)	8.75	6.5	16	7	3 STE4020	4 QTE1420
SE4181	16 (8W x 2D)	4.25	6.25	16	3	7 STE4010	8 QTE1810
SE4182	16 (8W x 2D)	4.25	6.25	16	7	7 STE4020	8 QTE1820
SE5121	4 (2W x 2D)	17.5	8.25	20	3	1 STE5010	2 QTE1210
SE5122	4 (2W x 2D)	17.5	8.25	20	7	1 STE5020	2 QTE1220
SE5141	8 (4W x 2D)	8.75	8.25	20	3	3 STE5010	4 QTE1410
SE5142	8 (4W x 2D)	8.75	8.25	20	7	3 STE5020	4 QTE1420
SE5181	16 (8W x 2D)	4.25	8.25	20	3	7 STE5010	8 QTE1810
SE5182	16 (8W x 2D)	4.25	8.25	20	7	7 STE5020	8 QTE1820
SE6121	4 (2W x 2D)	17.5	11	24	3	1 STE6010	2 QTE1210
SE6122	4 (2W x 2D)	17.5	11	24	7	1 STE6020	2 QTE1220
SE6141	8 (4W x 2D)	8.75	11	24	3	3 STE6010	4 QTE1410
SE6142	8 (4W x 2D)	8.75	11	24	7	3 STE6020	4 QTE1420
SE6181	16 (8W x 2D)	4.25	11	24	3	7 STE6010	8 QTE1810
SE6182	16 (8W x 2D)	4.25	11	24	7	7 STE6020	8 QTE1820

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