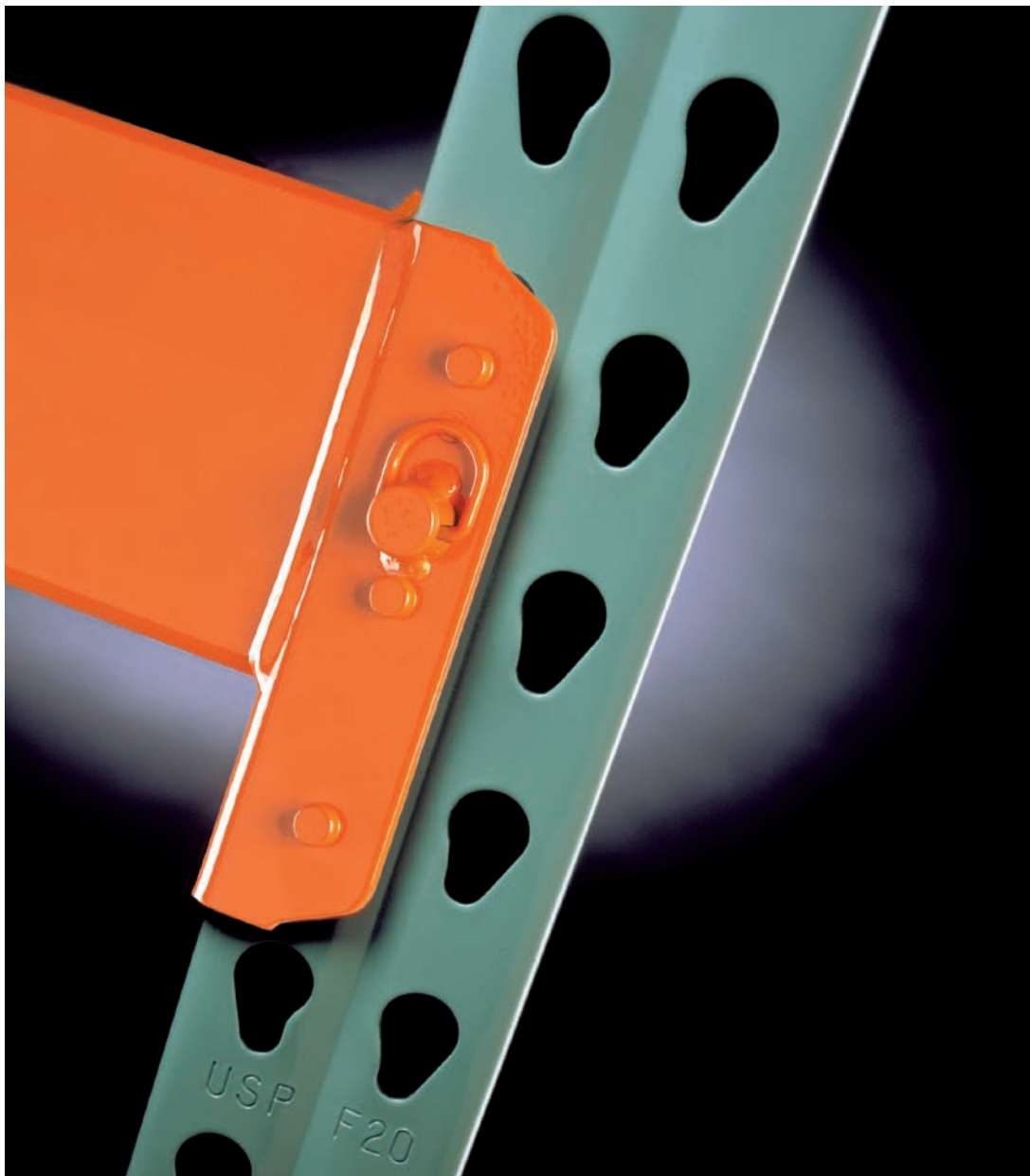


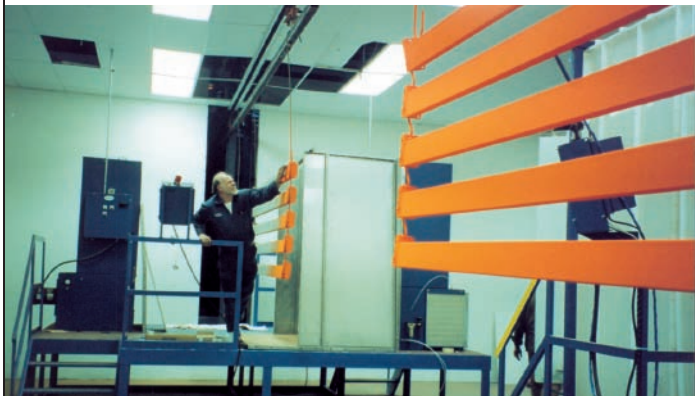
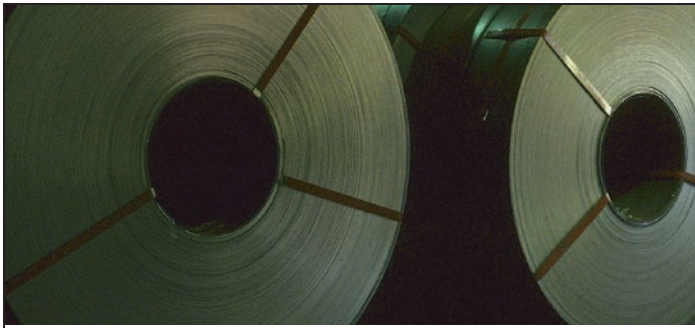
# EXCEL

STORAGE PRODUCTS

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**ROLL-FORMED STORAGE PRODUCTS**



## ENGINEERED FOR **VALUE**

ALL OUR STORAGE PRODUCTS ARE DESIGNED AND FABRICATED IN OUR OWN FACILITIES, ALLOWING US TO MAINTAIN A CONSISTENTLY HIGH STANDARD OF QUALITY. EXCEL STORAGE PRODUCTS' HIGH QUALITY, COST-CONSCIOUS DESIGN AND INNOVATIVE STORAGE SOLUTIONS ALL ADD UP TO GIVE YOU THE BEST RACK VALUE.

## THE **ESP** ADVANTAGE

EXCEL STORAGE PRODUCTS HAS OVER 35 YEARS OF EXPERIENCE IN THE RACK MANUFACTURING INDUSTRY. WE BELIEVE THE QUALITY OF OUR COMPANY IS AS IMPORTANT AS THE QUALITY OF OUR PRODUCTS. THE ADVANTAGES WE PROVIDE TO OUR CUSTOMERS INCLUDE:

- A NATIONWIDE NETWORK OF DEALERS AND STOCKING DISTRIBUTORS.
- PERSONAL ATTENTION TO YOUR REQUIREMENTS, NO MATTER HOW SMALL OR LARGE.
- CUSTOM CAD-ENGINEERED LAYOUTS.
- COMPLETE TURNKEY INSTALLATIONS AVAILABLE.
- COMPETITIVE PRICING.
- FAST TURNAROUND OF ORDERS.
- LARGEST QUICK-SHIP PROGRAM IN THE INDUSTRY WITH A 48 HOUR TURNAROUND.



*ALL EXCEL COMPONENTS ARE BACKED BY OUR QUALITY ASSURANCE PROGRAM. STRICT QUALITY GUIDELINES AND TESTING AT EVERY STEP OF THE MANUFACTURING PROCESS GUARANTEE A SUPERIOR PRODUCT.*

PALLET SELECTIVE ►





▲ DOUBLE DEEP

# APPLICATIONS



▲ PUSH-BACK



▲ PALLET FLOW



▲ RETAIL DISPLAY

DRIVE-IN ▼



## STORAGE DIVERSITY

EXCEL STORAGE PRODUCTS MANUFACTURES A FULL LINE OF STORAGE RACK CONFIGURATIONS TO FIT EVERY SIZE AND BUDGET. OUR RACK, ACCESSORIES AND SYSTEMS CAN BE USED FOR A VARIETY OF STORAGE APPLICATIONS:

- PALLET SELECTIVE
- BULK STORAGE
- ARCHIVE STORAGE
- DRIVE-IN & PUSH-BACK
- CARTON FLOW
- PALLET FLOW
- MARINE STORAGE
- RETAIL DISPLAY
- RACK-SUPPORTED CATWALKS & MEZZANINES
- DOUBLE DEEP

## QUALITY FROM START TO FINISH

OUR ATTENTION TO DETAIL ASSURES YOU OF A QUALITY RACK SYSTEM.

**MORE STEEL** - WE START BY PUTTING MORE STEEL INTO ALL OUR COMPONENTS FOR A HEAVIER, MORE RIGID AND DURABLE RACK.

**HIGH STRENGTH** - ONE PIECE TUBE STEP BEAMS SCARFED WITH NO EXPOSED WELDS.

**EXTRA-SECURE CONNECTIONS** - THREE HIGH-STRENGTH BUTTONHEAD STUDS ON BEAM CONNECTOR PLATES AND TAPERED KEYHOLE SLOTS IN FRAMES FOR QUICK, EASY ASSEMBLY.

**SAFETY** - FACTORY-INSTALLED, SELF-ENGAGING D-RING LOCKING DEVICE IS STANDARD ON ALL BEAM CONNECTORS.

**BETTER FINISH** - WE USE A POWDER-COAT BAKED POLYESTER PROCESS ON ALL MAJOR COMPONENTS WHICH CREATES A DURABLE APPLIANCE FINISH.

▼ CARTON/PALLET FLOW

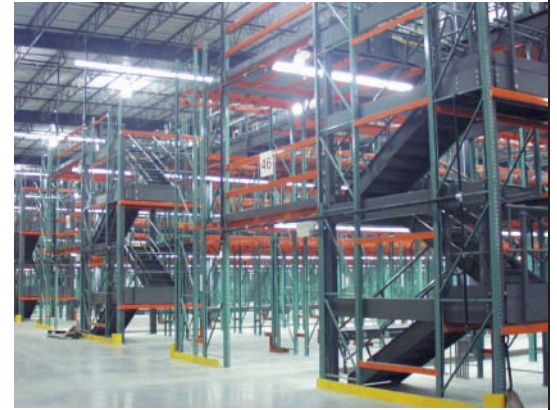




▲ ARCHIVE STORAGE



▼ ▲ INTEGRATED PICK MODULES ▼



# SPECIFICATIONS



**Notes:**

1. Based on RMI 2002 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
2. Capacities are based on uniformly distributed loading in pounds per shelf (pair of beams).
3. Deflection limited to span/180.
4. Spans from 48" to 80" designed for 25% impact from placing 1 load per shelf.
5. Spans from 82" to 120" designed for 25% impact from placing 1 of 2 loads per shelf.
6. Spans from 122" to 144" designed for 25% impact from placing 1 of 3 loads per shelf.
7. Applicable for non-seismic use only. Building codes may require otherwise.
8. Capacities are for beam components only. Overall rack system configuration is the responsibility of others.
9. Contact your Excel representative for design assistance or for applications not covered by below.

## ROLL-FORMED STEP BEAM CAPACITIES (LBS. PER PAIR)

Other sizes available - Please contact your representative for information.

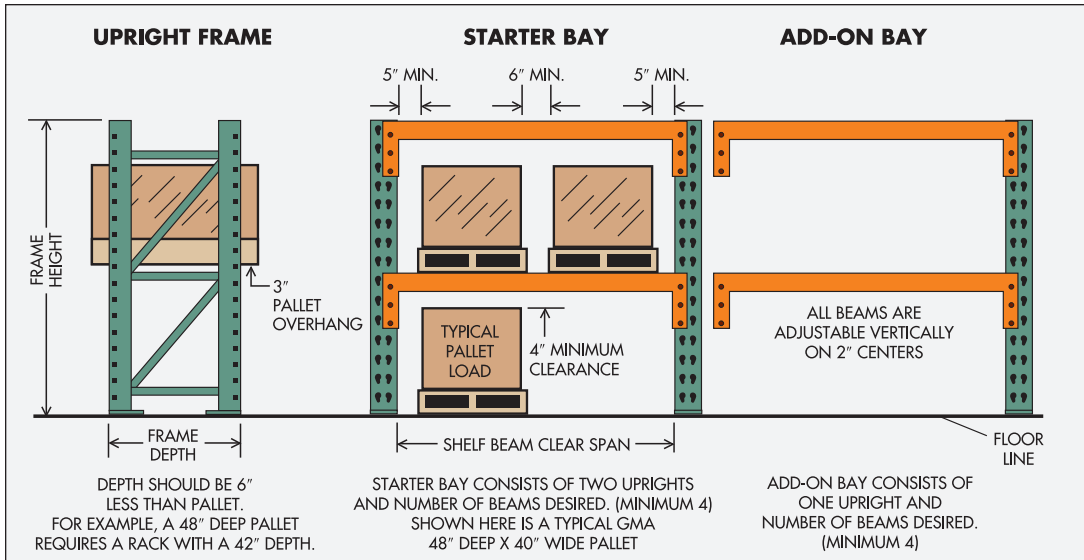
BEAM LENGTH (INCHES)	T2500 4" CONNECTOR (2 RIVET)		T3600 6" CONNECTOR (3 RIVET)		T4124 6" CONNECTOR (3 RIVET)		T4624 6" CONNECTOR (3 RIVET)		T5124 6" CONNECTOR (3 RIVET)		T5900 6" CONNECTOR (3 RIVET)		T6500 8" CONNECTOR (4 RIVET)	
	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity	Diagram	Capacity
48"		4066		6910		8775		10597		12000		12000		12000
60"		3285		5612		7097		8552		10767		12000		12000
72"		2762		4743		5975		7186		9029		12000		12000
84"		2252		4485		5734		6883		8632		12000		12000
96"		1735		3483		5028		6067		7596		10583		12000
102"		1540		3106		4476		5731		7168		9975		11825
108"		1376		2788		4011		5309		6788		9434		11206
120"		1115		2283		3276		4330		5887		8512		10152
132"						2726		3599		4887		7682		9196
144"						2303		3038		4120		6511		8482

# FRAME CAPACITIES (LBS.)

MAXIMUM VERTICAL BEAM SPACING*	F14 <sup>†</sup> 3" x 1 5/8" COL.	F20 3" x 2 1/2" COL.	F24 3" x 2 1/2" COL.	F30 3" x 3" COL.	F35 3" x 3" COL.
36"	17437	23906	28005	31162	38909
42"	16400	22610	26364	29481	36692
48"	15220	21149	24530	27594	34218
54"	13937	19559	22557	25549	31556
60"	12594	17884	20502	23398	28775
66"	11232	16167	18420	21194	25948
72"	9870	14426	16332	18965	23101
78"	8683	12794	14406	16842	20448
84"	7679	11396	12771	15019	18183

**Notes:**

- Based on RMI 2002 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
- \*"Spacing" is distance from floor to top of first beam level. If maximum opening is not floor level, "Spacing" is distance from top of beam to top of beam + 1".
- Applicable for non-seismic use only. Building codes may require otherwise.
- Capacities are for frame components only. Overall rack system configuration is the responsibility of others.
- Contact your Excel representative for design assistance or for applications not covered by above.
- Where the bottom portion of frames are exposed to potential minor impacts from forklift trucks or moving equipment, consideration should be given to purchasing one of the optional protection devices offered by Excel.
- † F14 Frame capacity: 4,000 lbs. max per beam level.
- Additional capacity possible with double columns - design required.



## HOW TO ORDER:

**BEAM LENGTH:** SHELF LENGTH EQUALS THE DISTANCE BETWEEN UPRIGHTS. IT IS DETERMINED BY ADDING THE WIDTHS OF PALLET LOADS PLUS A 5" SIDE CLEARANCE BETWEEN UPRIGHT AND PALLET AND 6" BETWEEN PALLET LOADS. SHELF BEAM CAPACITIES ARE BASED ON A PAIR OF BEAMS SUPPORTING AN EVENLY DISTRIBUTED LOAD.

**RACK HEIGHT:** ADD THE FOLLOWING FIGURES:

- HEIGHT OF PALLET LOADS (INCLUDING PALLET)
- + HEIGHT OF SHELF BEAM
- + 4" MINIMUM VERTICAL CLEARANCE FOR EACH PALLET LOAD

SUM OF ABOVE DIMENSIONS = RACK HEIGHT

FOR UPPERMOST LOAD LEVEL, LOCATION OF SHELF BEAM SHOULD BE 6" LESS THAN FORK TRUCK'S MAXIMUM LIFT HEIGHT.

TOP OF BEAMS NEED TO BE AT EVEN INCREMENTS.

### ROLL-FORMED FRAME PART NUMBER

(EXAMPLE: 3" x 3" x 42" x 192"/VISTA GREEN)

<b>F</b>	<b>30</b>	<b>42</b>	<b>192</b>	<b>000</b>	<b>GV</b>
ROLL-FORMED FRAME	CAPACITY MODEL	DEPTH IN INCHES	HEIGHT IN INCHES	OPTIONS	COLOR

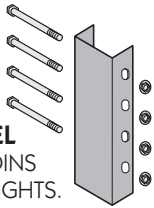
### ROLL-FORMED STEP BEAM PART NUMBER

(EXAMPLE: 4 1/8" x 96"/ULTRA ORANGE)

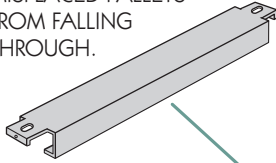
<b>T</b>	<b>4124</b>	<b>096</b>	<b>000</b>	<b>OU</b>
ROLL-FORMED STEP BEAM	HEIGHT IN INCHES	LENGTH IN INCHES	OPTIONS	COLOR

# ACCESSORIES

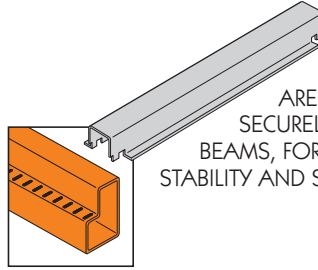
**SPLICE CHANNEL**  
FIRMLY JOINS  
TWO UPRIGHTS.



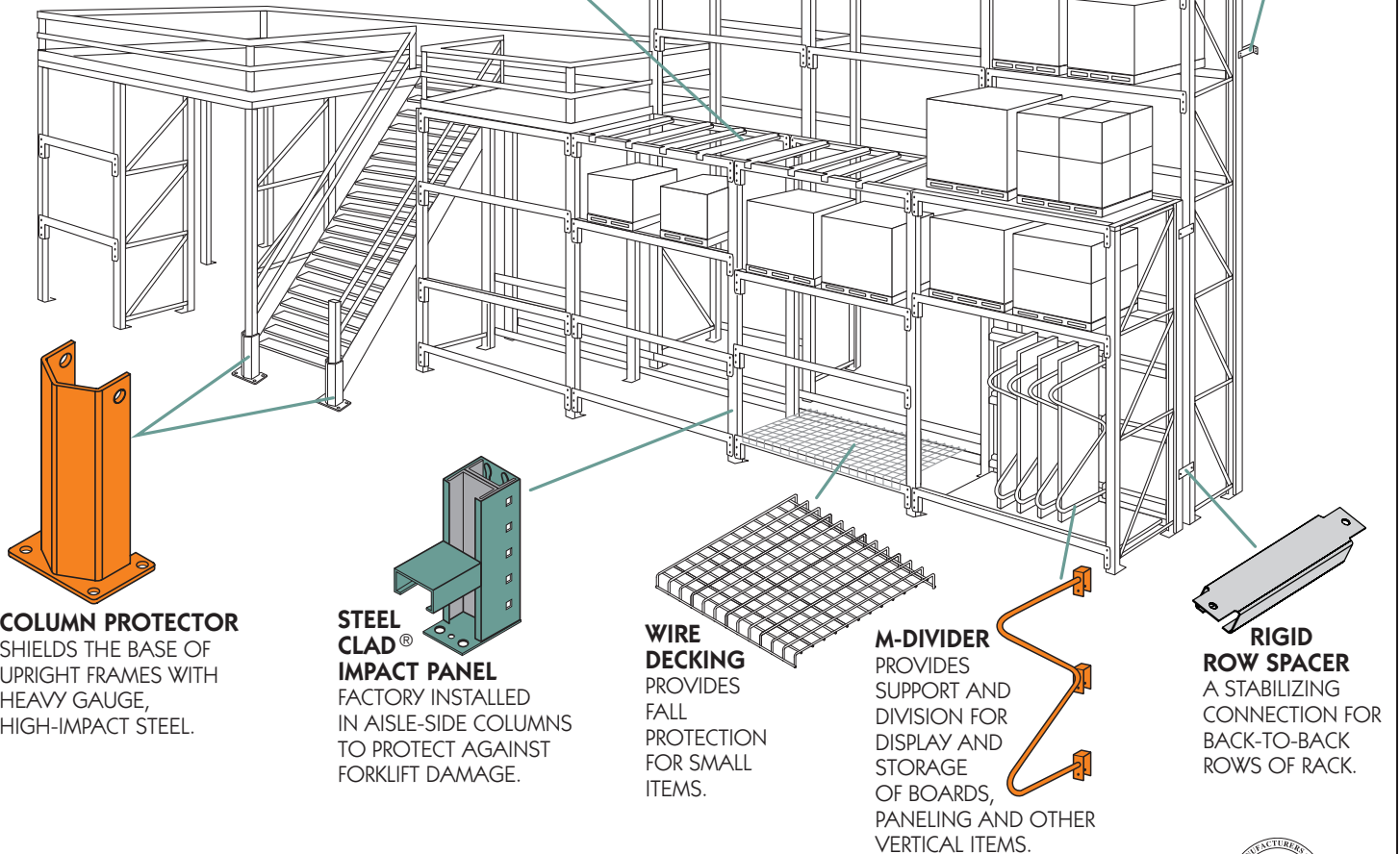
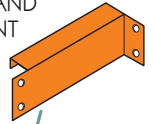
**SAFETY BAR**  
CROSS BARS THAT  
ASSURE PROPER LOAD  
BALANCE AND PREVENT  
MISPLACED PALLETS  
FROM FALLING  
THROUGH.



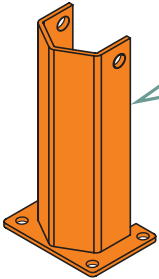
**SLOTTED BEAM &  
TABBED SAFETY BAR**  
"T" SERIES TABBED SAFETY BARS  
ARE SPECIALLY DESIGNED TO FIT  
SECURELY INTO SLOTTED  
BEAMS, FOR ADDED  
STABILITY AND SAFETY.



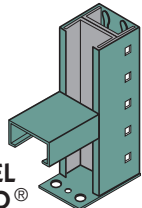
**RIGID WALL TIE**  
A RACK-TO-WALL  
ATTACHMENT FOR  
STABILITY AND  
CONSISTENT  
SPACING  
FROM THE WALL.



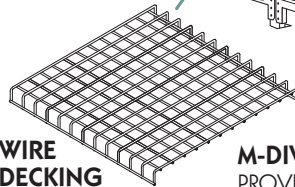
**COLUMN PROTECTOR**  
SHIELDS THE BASE OF  
UPRIGHT FRAMES WITH  
HEAVY GAUGE,  
HIGH-IMPACT STEEL.



**STEEL  
CLAD®  
IMPACT PANEL**  
FACTORY INSTALLED  
IN AISLE-SIDE COLUMNS  
TO PROTECT AGAINST  
FORKLIFT DAMAGE.



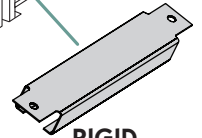
**WIRE  
DECKING**  
PROVIDES  
FALL  
PROTECTION  
FOR SMALL  
ITEMS.



**M-DIVIDER**  
PROVIDES  
SUPPORT AND  
DIVISION FOR  
DISPLAY AND  
STORAGE  
OF BOARDS,  
PANELING AND OTHER  
VERTICAL ITEMS.



**RIGID  
ROW SPACER**  
A STABILIZING  
CONNECTION FOR  
BACK-TO-BACK  
ROWS OF RACK.



## EXCEL STORAGE PRODUCTS

P.O. BOX 407, EAST STROUDSBURG, PA 18301-0407  
570-476-1010 / FAX: 570-476-4358  
e-mail: esp@esprack.com www.esprack.com



PALLET SELECTIVE • DRIVE-IN • PUSH-BACK • DOUBLE DEEP • MARINE STORAGE • BULK STORAGE • ARCHIVE STORAGE • RETAIL DISPLAY • CARTON FLOW  
PALLET FLOW • RACK-SUPPORTED CATWALKS & MEZZANINES • INSTALLATION • CUSTOM DESIGNS • ROLL-FORMED OR STRUCTURAL STEEL