

e-z-rect®

TYPE 1

The Strength to Accommodate All Your Storage Needs

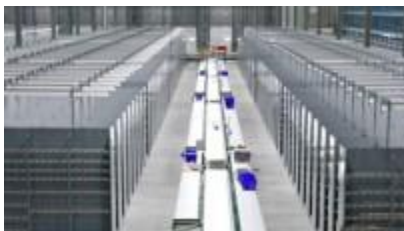
Uses of Type 1 Shelving

E-Z-Rect Type 1 shelving is the original and still the best boltless shelving available. Designed for increased strength and shelf capacity for maximum hand load duty. It can be used in both commercial and industrial applications and allows for better organized inventories while saving valuable floor and shelf space. If you are considering warehouse or pallet racking, consider Type 1 as a strong, adaptable, alternative. Type-1 is not recommended for forklift loading. Type-1 is suitable for manual or mechanically assisted mobile systems providing full use of floor space. Contact our projects department or a distributor for assistance designing your solution.

- Inventory control and storage
- Machinery, tools and parts storage
- Production and manufacturing
- Order picking and receiving
- Merchandise display for heavy items
- Stockroom storage for heavy items

Seismic Installations

E-Z-Rect recognizes the increased concern for and builds to earthquake standards. Type 1 shelving conforms to AISI Safety Standards with a safety factor of 1.66 to 1 and systems can be engineered to meet local building code requirements. Type 1 is designed to be flexible and adaptable to grow with the changing needs of industry. E-Z-Rect projects department can help design a customized hand load storage solution built on our decades of knowledge and experience.



Type 1 Shelving with Conveyor



Type 1 Shelving



High Density Warehouse Storage

Type 1 Features

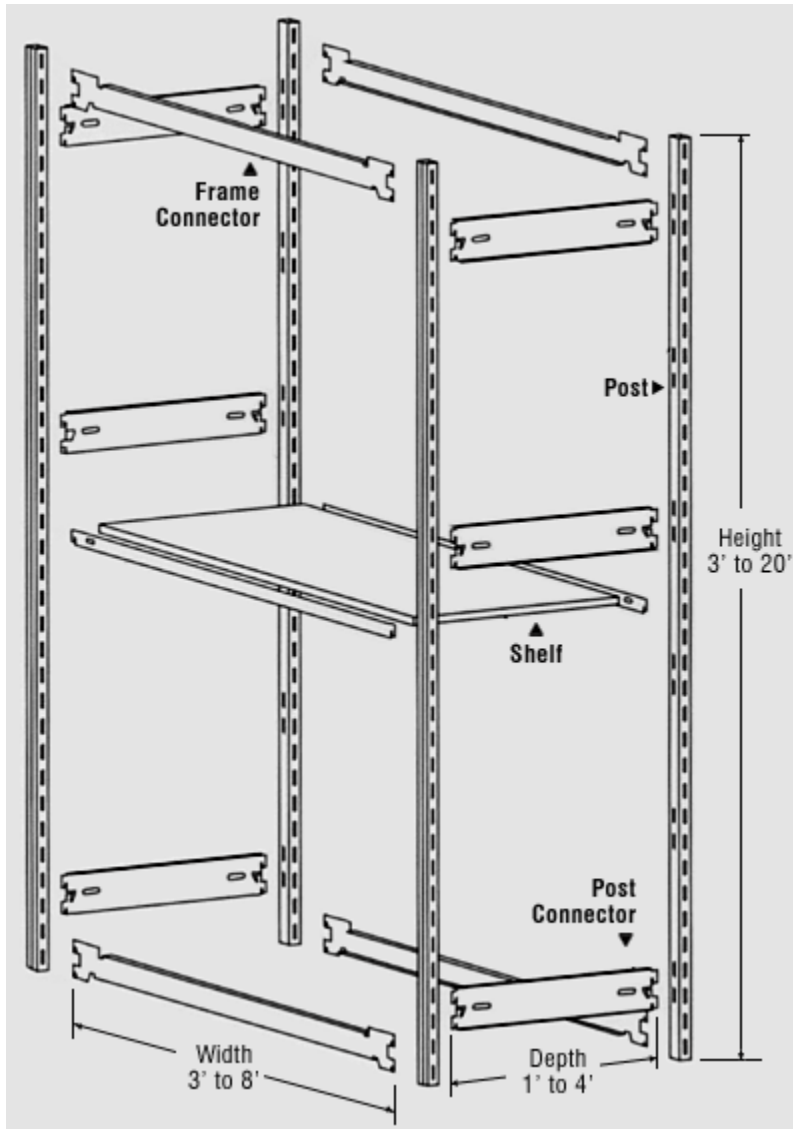
E-Z-Rect Type 1 Shelving increases storage area utilization and reduces time spent on storage and retrieval functions. The boltless design is quick and easy to install without specialized tools or compromising durability or rigid structure or design flexibility. Bays can be added, removed or adjusted, including slope, without impacting the rest of the system, unlike many warehouse racking systems. Type 1 is a fully customizable product and systems can be built to any combination of width, depth and height to customize your storage area to suit specific needs to exacting standards.

- Simple interlocking design without nuts, bolts, or rivets for rapid installations
- Manufactured with high grade materials for long service life
- Unobstructed access from both sides for ease of use without cross or sway braces
- User friendly and easy to install; requires no special tools or skills to assemble
- Adjustable on 2" centers; flexibility to make changes on demand quickly and efficiently
- Conforms to AISI Standards; safety factor of 1.66 to 1
- Specifically designed for hand loading

4 Basic Type 1 Components

- **Post**
- **Post Connectors**
(Connects 2 posts to make an End Frame.)
- **Frame Connectors**
(Joins end frame together & supports metal or particleboard shelf.)

- **Shelf**
(Supports shelf load.)



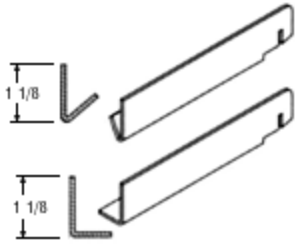
There are 4 basic parts to assemble any shelving configuration with a full range of accessories to suit any specific requirement.

Instant adjustment on 2" centers to desired shelf level. Attractively finished in standard grey electrostatic baking enamel. Special colours are available upon request.

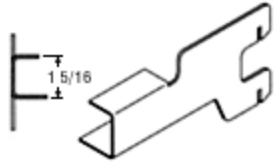
E-Z-Rect's design allows for full use of shelf width. Therefore, when designing shelving layout allow the following creepage to accommodate the outside frame dimensions.

+/- 1 1/4" (32mm) for depth of unit

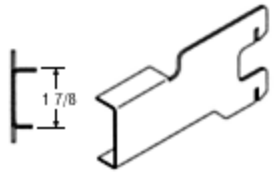
+/- 1 1/2" (38mm) for length of each frame used in a shelving run.



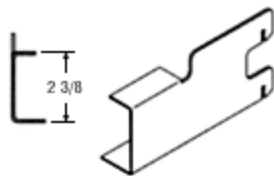
PB Frame Connector



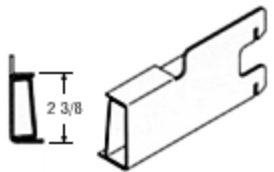
B Frame Connector



WB Frame Connector



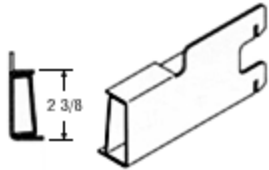
HD Frame Connector



XHD Frame Connector



Shelf Bar / Garment Support Bar



WT Combination Tie Bar / Shelf Support



Post Connector



Post Connector Locking Mechanism

- Safe working loads up to 7000 lbs (3,175 kgs) per pair of post or bay
- Safety factor of 1.66 to 1 (based on uniform static loading only)
- Instant adjustment on 2" centers to desired shelf level.
- Attractively finished in standard grey electrostatic baking enamel. Special colours are available upon request.
- E-Z-Rect's design allows for full use of shelf width. When designing shelving layout allow the following creepage to accommodate the outside frame dimensions: 1 1/4" (32mm) for depth of unit and 1 1/2" (38mm) for length of each frame used in a shelving run.

19501400

19001000

1700900

1600800

1500450

900*XHD Tube Frame Connectors

with WT Combination Tie Bar & Shelf Support-

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2400-

2400-

2400-

2400-

1700*- Connectors are designed for an overall Safety Factor of 1.66 to 1 which conforms to AISI Standards. Deflection is limited to $l/140$ for spans.

* Two WT Combination Tie Bar and Shelf Supports must be used.

Maximum evenly distributed static load per connector in lbs

Shelf Length	30"	36"	42"	48"	60"
MHD Mezzanine Heavy Duty	-	1500	-	1500	1200
MXD Mezzanine Extra Heavy Duty	-	1850	-	1850	1650
CHD Catwalk Heavy Duty	1500	1500	-	1500	1200

- Mezzanine and Catwalk connectors are designed for an overall Safety Factor of 1.66 to 1 which conforms to AISI standards.
Deflection is limited to $l/180$ for spans.
- Loads stated above are for one connector.

Maximum Metal Shelf Panel and Sectional Shelf static loads evenly distributed in lbs

Metal Shelf Panel (Length)	36"			48"			60"	
	24 ga	20 ga	18 ga	24 ga	20 ga	18 ga	24 ga	20 ga
12"-24" depth with C Shelf Rest	-	-	350	-	-	300	-	-
12"-36" depth with B Frame Connectors	-	-	600	-	-	500	-	-
12"-36" depth with B Frame Connectors, Shelf Supports & Tie Bars	-	-	1200	-	-	800	-	-
Sectional Shelf								
12" with Shelf Rest & Shelf Bars	300	400	-	200	300	-	180	270
18" with Shelf Rest & Shelf Bars	450	600	-	300	450	-	270	405
24" with Shelf Rest & Shelf Bars	600	800	-	400	600	-	360	540
30" with Shelf Rest & Shelf Bars	650	650	-	500	650	-	450	675
36" with Shelf Rest & Shelf Bars	575	575	-	575	575	-	540	575
48" with Shelf Rest & Shelf Bars	425	425	-	425	425	-	425	425

- Shelves are designed for an overall Safety Factor of 1.66 to 1 which conforms to AISI Standard on shelves. Deflection is limited to $l/140$ for spans.
- For heavier loads and longer lengths add frame connectors, tie bars and shelf supports using load capacities on first table.
- We recommend every company adopt a shelving safety and maintenance policy. For more information please contact E-Z-Rect