



# Product Support Guide

## Roll Formed Welded Frames

### Interack 30 Roll Formed Selective Rack



## General Information

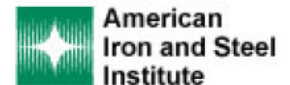
### Product Description

The Interack 30 series of welded frames has been the industry standard for many years and includes a wide variety of column sections, options and accessory items which help users store and access palletized loads and other bulk materials. This section of the support guide covers technical information for Interack 30 products.

### Code Compliance



Interack 30 frames are designed in compliance with the 2002 edition of the Specification for the Design, Testing, and Utilization of Industrial Steel Storage Rack published by the Rack Manufacturers Institute (RMI). This specification has been adopted by the American National Standards Institute (ANSI-MH16.1) as a national standard and is referenced by the International Building Code (IBC). Our design also complies with the American Iron and Steel Institute's (AISI) North American Specification for the Design of Cold-Formed Steel Structural Members, 2001 edition.



### Availability and Shipping Locations

Interack 30 frames and accessories are manufactured and distributed from our plants listed below, however not all products are available from all locations. See the detail pages for specifics on availability:

701 Interlake Drive  
Pontiac, IL 61764  
**ISO 9001:2000 certified**

1925 Corporate Way  
Sumter, SC 29150  
**ISO 9001:2000 certified**

Ave Las Rusias #2700 9Y10  
Parque Industrial Del Norte  
H. Matamoros, Tamps, C.P. 87316 Mexico

Commonly ordered products are available from our Interlake Express quick ship program from our distribution centers:

2150 South Route 45-52  
Kankakee, IL 60901

1925 Corporate Way  
Sumter, SC 29150

Many Interlake products are also readily available from select Interlake stocking distributors located throughout North America. See the "How to Buy" section of the Interlake web site <http://www.interlake.com/buy/index.asp> or your local Interlake representative for more details.

### Lead Times

Lead times for manufactured product vary by production location based upon product type, plant capacity and current demand. Items from Interlake Express typically ship within 48 hours of order receipt. Visit the "Interlake Authorized Distributors" section under [Product, Pricing and Availability](#) of the Interlake web site or check with your local Interlake representative for the most up to date product lead times by location.

### Pricing and Ordering Information

Current pricing and weights for all Interlake products are available only through our CAE/Editor electronic design and order creation tool. Orders are submitted electronically via e-mail to Interlake's customer service department. Interlake Express orders should be e-mailed directly to [IKExpress@interlake.com](mailto:IKExpress@interlake.com). See your local Interlake representative for more information.

## General Information

### Compatibility

Interack 30 frames are available with three column shapes, 3" x 1-5/8", 3" x 3" and 4" x 3" and multiple steel thicknesses and optional features to accommodate most any type of application. Two different styles of column face punching, F or teardrop style and U or keyhole style are available for each model. Most Interlake beams are designed to connect to roll formed frames with either column style punching, including beams that utilize the sliding load lock, the snap lock, Interlock locking clip and the current automatic locking piston lock. There are a few old beams possibly still in use that have the original Interlake locking device which engaged a hole at the back of the column. These locking devices will not work in our Interack 30 welded frames or in the Interlock bolted frames. Any locking device that does not function may be replaced with a bolt and nut through an available hole in either the side or face of the endplate.

### Finishes

Interlake utilizes several different painting processes as product coatings depending primarily upon the manufacturing plant and product design. Processes include powder coating, baked enamel spray and an electrostatic deposition dip system. Components formed from continuous hot dip galvanized steel (aka pre-galvanized steel) are typically available for all product lines that do not incorporate welding in the fabrication process. The available finishes and standard color if applicable are listed under the description section for each product type in this support guide.

### Facility Design Services

Specialists in material handling logistics, our facility design engineers can provide intelligent, "real-world" solutions to warehousing, manufacturing, and distribution challenges. Capabilities include:

- Strategic Planning
- Data Analysis
- Concept Development and Evaluation
- Computer Simulation Modeling
- Material Handling System Design and Equipment Specifications
- Operational Audits/Improvements
- Systems Controls/ Integration Specialists
- Industrial Engineers Specializing in Productivity/ Space Utilization/ and Material Flow

### Site and Project Management

If safety and keeping your material handling project on schedule and on budget are important to you, an Interlake Site and Project Management Team can help take your worries away. Our teams work on projects that include all climates (dry, refrigerated, and freezer), and that range in scope from a few days to several months or more. Site and project managers can provide seamless interface with architects, building inspectors, and construction trades. Our site management responsibilities include:

- Developing, maintaining, and updating schedules
- Kickoff and regularly scheduled status meetings
- Inventory control
- Securing all necessary permits
- Change order approvals
- Monitoring project costs
- Safety reviews and sign-off
- Site and system testing
- Final inspection sign-off



## Overview

A standard frame consists of two columns connected by a series of horizontal and diagonal struts and includes a foot plate welded to the bottom of each column. Load beams are connected in pairs to the face of each column to form a shelf unit for carrying loads.

### Upright Frames — General Information

- There are seven basic Interlake frame models in varying sizes and gauges. Vista Green enamel is standard finish.
- Model 025 is 3" x 1-5/8"; 070, 075, 077 and 079 are 3" x 3"; and 095 and 099 are 4" x 3".

### Horizontal and Diagonal Bracing

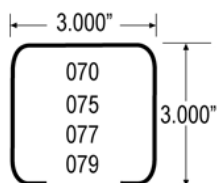
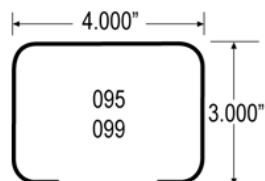
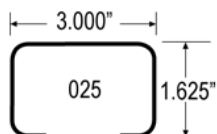
Model 025 frame uses: 1-1/2" x 1-1/4" struts.

Models 070, 075, 077 and 079 frames use: 1-1/2" x 1-1/2" struts.

Model 095 and 099 frame use: 2" x 2" struts.

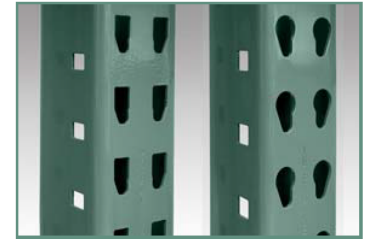
### Material Strength

- All columns are high strength steel with 55,000 P.S.I. minimum yield strength.



## Interack 30 Welded Frame

- Standard frames are manufactured in even two-inch increments for depths and heights.
- Minimum frame depth is 24" (18"-22" are special, contact engineering).
- Maximum frame depth is 72".
- When ordering frames with "no footplate" change position 13 of the 18 digit frame number to "N".
- When ordering a single column, change positions 10 and 11 of the 18 digit frame number to "CL". (Not an option for 025.)
- Color: Vista Green



075 U and F Punch

## Interack 30 Product Code Description

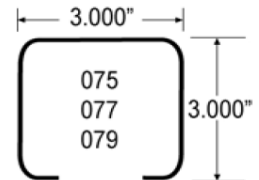
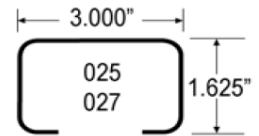
Sample Part #	1	E	0	7	5	U	1	9	2	4	2	G	0	0	0	0	0	0
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I = Standard S = Special			Column Section				Upright Height			Upright Depth			Color		Reinforcing Options (Pg. 11)			
E = Frame Family			025 = 3 x 1-5/8 x 0.090 070 = 3 x 3 x 0.070 075 = 3 x 3 x 0.090 077 = 3 x 3 x 0.105 079 = 3 x 3 x 0.120 095 = 4 x 3 x 0.105 099 = 4 x 3 x 0.120				U = U Punch F = F Punch S = Selecta-Flo Punch, U Style (pg. 13) T = Selecta-Flo Punch, F Style (pg. 13)								Heavy Horizontal (pg. 13) 0 = No Heavy Horizontal A = 025 B = 075 E = 070 G = 077 H = 079 J = 075 K = 099			
													Footplate (pg. 14) 0 = Standard					



## Intertrack 30 Welded F Punch Frame Capacity Chart

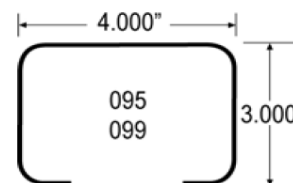
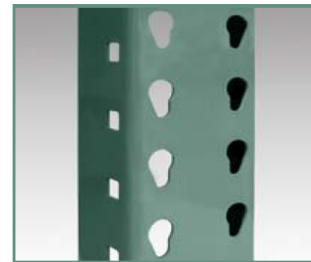
(Available from Pontiac, IL, Sumter, SC, Matamoros, Mexico, and Mexicali, Mexico)

Maximum Unsupported Length <sup>(1)</sup>	025 <sup>(2)</sup> 13 Gauge 0.090" thk Capacity	070 14 Gauge 0.070" thk Capacity	075 13 Gauge 0.090" thk Capacity	077 12 Gauge 0.105" thk Capacity	079 11 Gauge 0.120" thk Capacity
36"	23,400	28,600	38,400	44,300	50,000
42"	21,900	25,900	34,600	39,800	44,900
48"	19,300	23,000	30,600	35,200	39,700
54"	16,700	20,000	26,400	30,400	34,300
60"	15,000	17,700	23,100	26,600	30,000
66"	13,400	16,000	20,900	24,000	27,100
72"	11,700	14,400	18,700	21,400	24,100
78"	10,300	12,800	16,500	19,000	21,300
84"	9,100	11,400	14,700	16,900	19,000
90"	8,000	10,200	13,100	15,100	16,900
96"	7,100	9,200	11,800	13,500	15,200



(Available from Pontiac, IL Only)

Maximum Unsupported Length <sup>(1)</sup>	095 13 Gauge 0.090" thk Capacity	099 11 Gauge 0.120" thk Capacity
36"	37,500	60,200
42"	37,500	60,200
48"	36,300	57,900
54"	33,900	53,200
60"	31,300	48,400
66"	28,500	43,500
72"	25,800	38,700
78"	23,200	34,500
84"	21,700	31,900
90"	20,100	29,400
96"	18,600	26,800



Maximum unsupported length is measured from the floor to the top of the first beam or the maximum beam spacing (whichever is greater).

Frame capacities are shown and are for product load plus dead load (dead load = 2.0% of product load).

Capacities are per the 2002 RMI and the 2001 AISI specifications.

Load factors are 1.4 for product load and 1.2 for dead load.

Maximum unsupported length is measured from the floor to the top of the first beam or the maximum beam spacing (whichever is greater).

Capacities are only valid when used with Interlake published beam sizes.

Capacities are not valid for free standing frames that have an H/D ratio greater than 6.0 where H is the distance from the floor to the top of the beam and D is the frame depth.

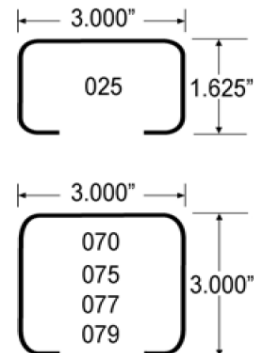
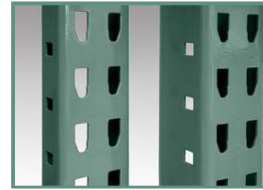
Capacities are valid for static load only.

These capacities assume that all component parts are (1) manufactured by Interlake, (2) in good condition, and (3) properly installed.

## Interack 30 Welded U Punch Frame Capacity Chart

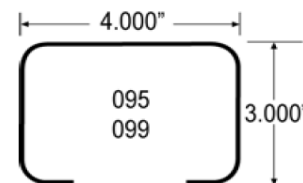
(Available from Pontiac, IL, Sumter, SC, Matamoros, Mexico)

Maximum Unsupported Length <sup>(1)</sup>	025 <sup>(2)</sup> 13 Gauge 0.090" thk Capacity	070 14 Gauge 0.070" thk Capacity	075 13 Gauge 0.090" thk Capacity	077 12 Gauge 0.105" thk Capacity	079 11 Gauge 0.120" thk Capacity
36"	25,000	30,900	41,600	48,000	54,300
42"	24,500	28,100	37,400	43,100	48,800
48"	21,600	25,000	33,000	38,100	43,000
54"	18,700	21,700	28,700	33,000	37,300
60"	16,800	19,100	25,100	28,900	32,600
66"	15,000	17,400	22,700	26,100	29,500
72"	13,300	15,600	20,300	23,300	26,200
78"	11,600	13,900	18,000	20,600	23,200
84"	10,300	12,400	16,000	18,400	20,600
90"	9,100	11,100	14,300	16,400	18,400
96"	8,000	10,000	12,800	14,700	16,500



(Available from Pontiac, IL Only)

Maximum Unsupported Length <sup>(1)</sup>	095 13 Gauge 0.090" thk Capacity	099 11 Gauge 0.120" thk Capacity
36"	39,600	63,200
42"	39,600	63,200
48"	39,000	62,200
54"	36,300	57,200
60"	33,500	52,000
66"	30,600	46,800
72"	27,600	41,600
78"	24,900	37,000
84"	23,300	34,300
90"	21,600	31,600
96"	19,900	28,800



Maximum unsupported length is measured from the floor to the top of the first beam or the maximum beam spacing (whichever is greater). For beam lengths over 108" used with 025 frames, reduce capacity by 7.0% (0.93 multiplier).

Frame capacities are shown in lbs. and are for product load plus dead load (dead load = 2.0% of product load). Capacities are per the 2002 RMI and the 2001 AISI specifications.

Load factors are 1.4 for product load and 1.2 for dead load.

070 frames are not to be used with beams subjected to ledge loading in excess of 7000 lbs. per pair.

070 frames are not recommended for high abuse applications unless column protection is used.

Capacities are only valid when used with Interlake published beam sizes.

Capacities are valid for static load only.

These capacities assume that all component parts are (1) manufactured by Interlake, (2) in good condition, and (3) properly maintained.

## Defender Base

### 90° Defender Base

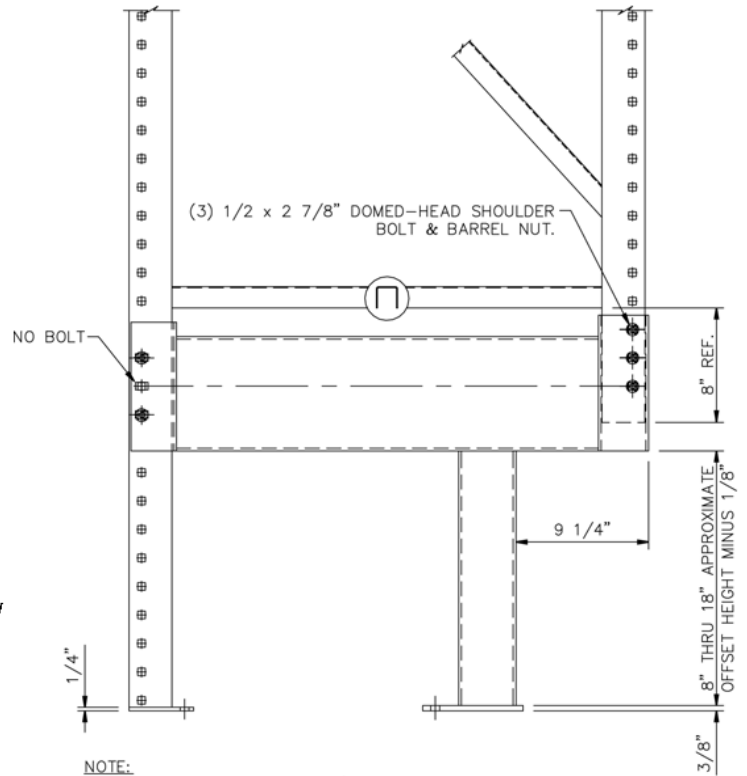


Interlake's structural offset frame base is designed to be a permanent repair solution. The 90° Defender Base design moves the front column back 9" from the aisle, which reduces the likelihood of forklift contact. It is a bolt-on design for ease of installation and works with both "F" and "U" punching.

Additionally, the bottom front column is made of tubular steel with a 3/16" thick wall which is much thicker and more abuse resistant than ordinary rack.

With the 90° Defender Base a beam can be installed as low as 18" from the floor to the bottom of the beam. It can also be installed in both new and existing installations in need of repair.

Offset heights available in 2 inch increments from 8" to 84".



**NOTE:**  
AN INCREASE IN THE FRAME'S REAR FOOT PLATE THICKNESS WILL ALTER THE OFFSET HEIGHT WHEN MEASURED FROM THE FLOOR.

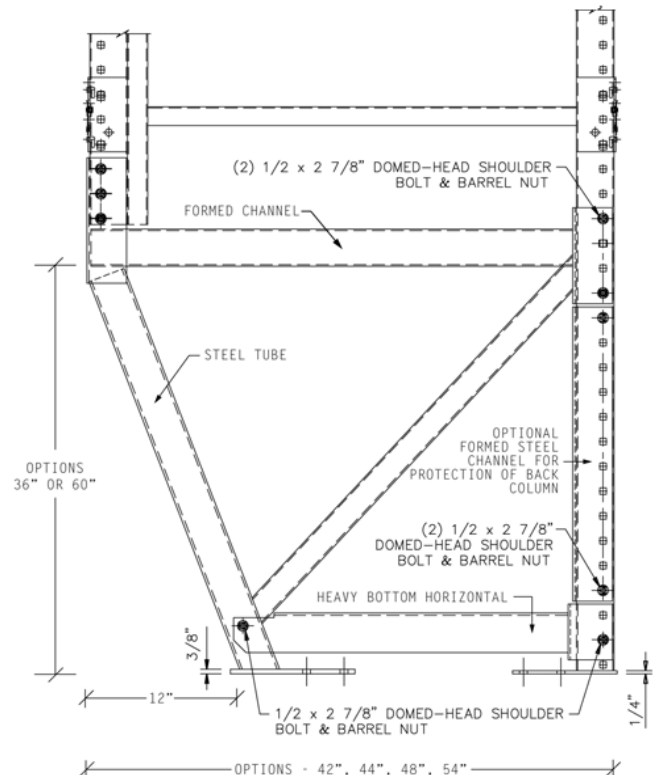


### S-Defender Base

The slope leg or S-Defender Base is ideal for new installations where a beam is not required below 48" to the top of the beam from the floor. The S-Defender Base moves the column back 12" from the aisle at the floor level, where most damage typically occurs. An optional formed steel channel for protection of the back column is also offered.

As with the 90° Defender Base you get the increased durability of structural tube steel along with the versatility and convenience of roll formed uprights and slip fit connections in the upper sections of the rack system.

As with the 90° Defender Base you get the increased durability of structural tube steel along with the versatility and convenience of roll formed uprights and slip fit connections in the upper sections of the rack system.



**NOTE:**  
THIS SLOPE-LEG BASE IS TO BE USED WITH IE07\_ FRAMES WITH 0.250 THICK REAR FOOT PLATE.



## Anti-Debris Frame

Pos. 6: Place the letter below in the 18 digit frame catalog number:

"D" for standard "U" style holes or,  
"W" for "old" style "F" holes.

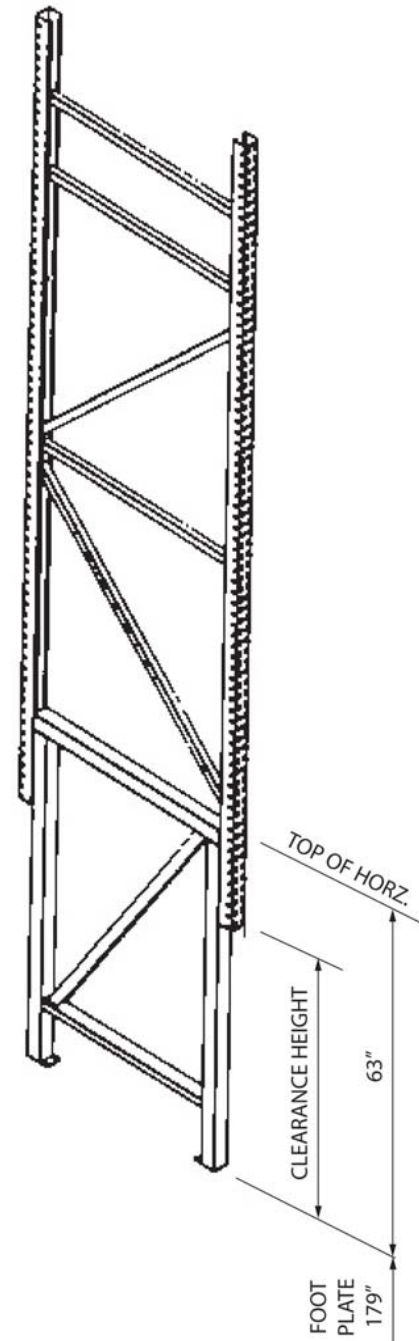
Pos. 16, 17 and 18: Specify even inches of clearance height.  
(Example: 42" impact height is shown as 042.)

Capacity: Same as conventional selective or drive-in frames.

Clearance Height (In.)		Approx. Add-On Weight
Thru 30"	(030)	50 lbs.
32" to 46" Max.	(032 to (046)	44 lbs.

Example: IE075U18042G00000 (Frame)  
On a standard "U" punching, adding a 42 inch  
anti-debris option changes to:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I	E	0	7	5	D	1	8	0	4	2	G	0	0	0	0	4	2



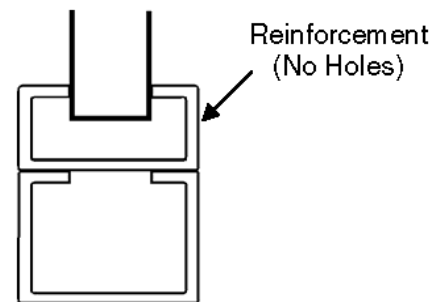
## Frame Column Impact Reinforcement (Double Columns)

- Position 15: Place the appropriate "Letter" in the 18 digit frame catalog number to indicate reinforced option.
- Position 16: Place the appropriate "Letter" to indicate model of column (see table below).
- Positions 17 and 18: Place the reinforcement height code in inches. Add weight to the frame or column, the weight is shown in the table below. If "G" (2 cols.) is used in pos. 15, you must double the weight.
- **Special Note:** If the reinforced heights are different for the front and rear columns, a special engineering drawing is required.
- Factory manufactured reinforcement for field installed devices, see Frame Accessories.
- These modifications to Interlake racks are not intended to increase capacity, but only to increase resistance to fork truck abuse.
- Reinforcement heights above 336" becomes a "special" and requires a special drawing and special catalog number.

Reinforcement Option	Position 15
Front Column Only	A
Rear Column Only	D
Front and Rear Column	G

Reinforcement Option	Position 15
Model 025	A
Model 070	E
Model 075	B
Model 077	G
Model 079	H
Model 095	J
Model 099	K

Code for Position 17	
A = 100	N = 220
B = 110	P = 230
C = 120	Q = 240
D = 130	R = 250
E = 140	S = 260
F = 150	T = 270
G = 160	U = 280
H = 170	V = 290
J = 180	W = 300
K = 190	X = 310
L = 200	Y = 320
M = 210	Z = 330



Example: IE075U18042G000000 (Frame) adding 025 reinforcement on front column, 60 inches high  
Changes to:

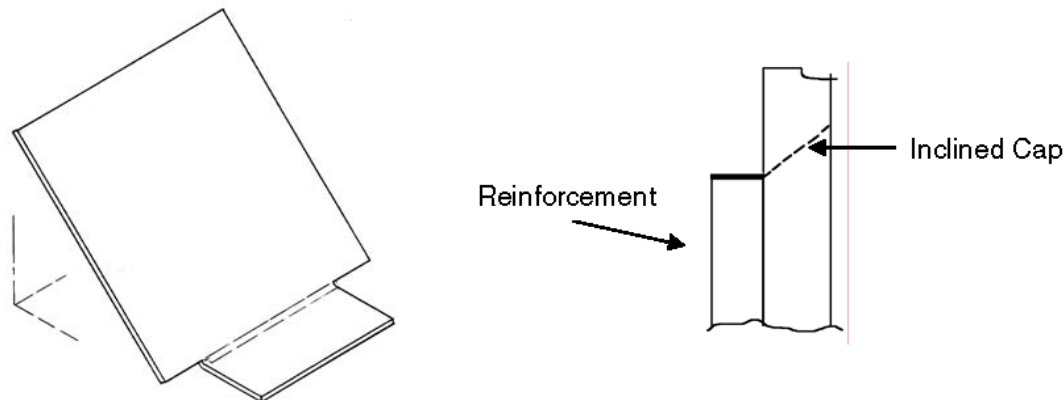
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	I	E	0	7	5	U	1	8	0	4	2	G	0	0	A	A	6	0



## Frame Column Impact Reinforcement (With Inclined Cap)

- Position 15: Place the appropriate "Letter" in the 18 digit frame catalog number to indicate reinforced option.
- Position 16: Place the appropriate "Letter" to indicate model of column (see table below).
- Positions 17 and 18: Place the reinforcement height code in inches. Add weight to the frame or column, the weight is shown in the table below.
- **Special Note:** If the reinforced heights are different for the front and rear columns, a special engineering drawing is required.
- Factory manufactured reinforcement for field installed devices, see Frame Accessories.
- These modifications to Interlake racks are not intended to increase capacity, but only to increase resistance to fork truck abuse.

Reinforcement Size				
Model 025				
Reinforcement Option	Position 15	Position 16	Add-On Weight (lbs.)	Quantity
Front Column Only	C	A	0.1	1 CAP
Rear Column Only	F	A	0.1	1 CAP
Front and Rear Column	J	A	0.2	2 CAPS



Reinforcement Size				
Model 075				
Reinforcement Option	Position 15	Position 16	Add-On Weight (lbs.)	Quantity
Front Column Only	C	B	0.1	1 CAP
Rear Column Only	F	B	0.1	1 CAP
Front and Rear Column	J	B	0.3	2 CAPS

Example: IE075U18042G000000 (Frame) adding 025 reinforcement with flat cap on front column, 60 inches high. Changes to:

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

And increase weight by 0.1 lbs. for inclined cap, plus 11 lbs. for 025 reinforcement.

## Selecta-Flo Punching (Models 075 and 077)

To order Selecta-Flo Punching on frames (both columns) and Single Upright Columns, in the 18 digit frame or column catalog number:

- Position 6: Place an "S" for "U" style column punching or a "T" for "F" style column punching.
- Selecta-Flo Punching reduces the column capacity. Contact Interlake Engineering.

**Note:** Selecta-Flo Punching of only one column of a frame is a "special". Contact your District Manager for a quote. A "special drawing" must be made.

Example: IE075U18042G000000 (Frame) adding Selecta-Flo punching for "U" style column.

Changes to:    1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18  

I	E	0	7	5	S	1	8	0	4	2	G	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

## Heavy Bottom-Horizontal Strut For 3" x 3" Column Frames

To substitute unpunched column section for the normal bottom-horizontal strut:

- Position 14: Model 025 strut - Place an "A" in the 18 digit frame catalog number or, Model 075 strut - Place a "B" if ordering.

Model	Position 14
025	A
070	E
075	B
077	G
079	H
095	J
099	K

Example: IE075U18042G000000 (Frame) adding heavy bottom-horizontal strut, model 025.

Changes to:    1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18  

I	E	0	7	5	U	1	8	0	4	2	G	0	A	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



## Seismic Footplate

To order place the proper "Letter" in position 13 of the 18 digit frame catalog number.

Contact your Interlake Engineering Support Team for other special footplates.

**Note:** Use of 3/8" or 1/2" thick footplate requires use of 4-1/2" minimum length anchor. Use of shims may require even longer anchor.

### Weld One Footplate Column:

Plate Dimensions and Description	Thickness	Position 13	Weight Add-On Lbs.
5" x 3-1/2" / 1 hole 5/8"	1/4"	G	1.3
7-3/4" x 3-1/2" / 2 holes 5/8"	3/8"	H	2.9
7-3/4" x 5" / 2 holes 5/8"	3/8"	J	4.1
7-3/4" x 5" / 2 holes 5/8" - offset	3/8"	K	4.1
9-3/4" x 5" / 2 holes 3/4"	3/8"	L	5.2
8" x 8" / 2 holes 5/8"	3/8"	P	6.8
8" x 8" / 4 holes 5/8"	3/8"	M	6.8
7-3/4" x 5" / 2 holes 5/8"	1/2"	R	5.5
7-3/4" x 5" / 2 holes 5/8" - offset	1/2"	S	5.5
7" x 10" / 2 holes 5/8"	1/2"	T	9.9
8" x 8" / 2 holes 5/8"	1/2"	Z	9.0
8" x 8" / 4 holes 5/8"	1/2"	Y	9.0
8" x 10" / 2 holes 5/8"	1/2"	U	11.3
8" x 9" / 2 holes 5/8"	1/2"	W	11.5
10" x 10" / 2 holes 5/8"	1/2"	X	14.2

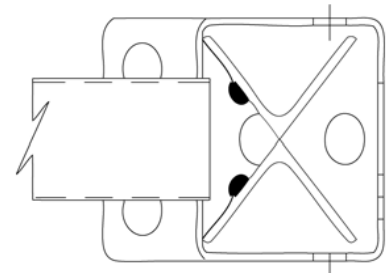
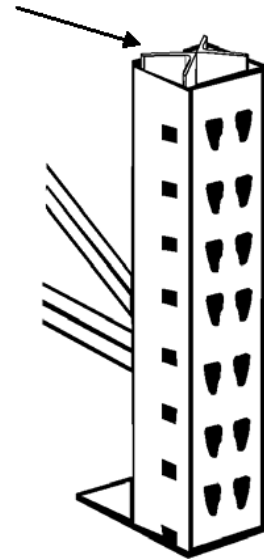


## X-3 Internal Column For 3" x 3" Wide Columns Only

Position 15: Place the proper "Letter" in the 18 digit safety catalog number to indicate placement of the X-3 Internal Safety Column.  
Position 17 and 18: Add the height (in inches).

	Pos. 15
Front Column Only	L
Rear Column Only	M
Front and Rear Column (Both safety columns must be same height)	P

Pos. 17 - 18 Height	Add-On Weight (Lbs.)
12"	3
24"	6
36"	9
48"	12
60"	14
72"	17
84"	20
90" (Max.)	22



Top View

Example: IE075U18042G00000 (Frame) adding X-3 Internal Safety Column on front column only, 60" height. Changes to:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I	E	0	7	5	U	1	8	0	4	2	G	0	0	L	0	6	0

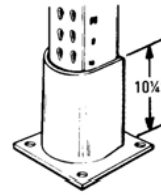
Add increase weight by 14 lbs.



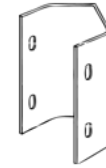
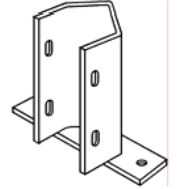
## Column Protectors

### For 3" and 4" Wide Columns

- Minimum height is 12".
- Must be ordered in even inches.
- Anchors are not included.
- Model 570 is available from Pontiac and Sumter only.
- Color: Interlake Orange (Except for 570 which is Safety Yellow).



Model 570


 Models  
461, 571,  
573, 637

 Models  
462, 572,  
574, 638

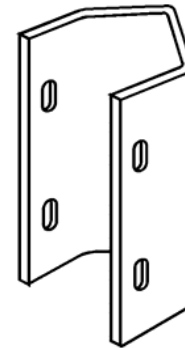
		Column Size	Height (In.)	Interlake	Item	Model	Style	Height (In.)	Color	Weight (Lbs.) Ea.	Hardware Included		
				1	2	3-5	6	7-11	12				
No Lag Plate	Standard	3"	12	I	A	571	L	01200	R	5	(4) 3/8" - 16 x 3/4" Bolt IHANF10167DP (4) 3/8" - 16 Flanged Locknut IHANF10169DP		
			24	I	A	571	L	02400	R	9			
			36	I	A	571	L	03600	R	14			
			48	I	A	571	L	04800	R	19			
	Reinforced	4"	3"	12	T	A	461	L	01200	R		5	(2) 1/2" x 2-7/8" Shoulder Bolt IHABH11139DP000000 (2) 1/2" Barrel Nut (Square Neck) IHANH11113DP000000
				24	T	A	461	L	02400	R		9	
				36	T	A	461	L	03600	R		14	
				48	T	A	461	L	04800	R		19	
Reinforced	4"	4"	12	I	A	637	L	01200	R	6	(2) 7/16" - 14 x 4-3/4" Bolt IHABG11229DP (2) 7/16" - 14 Flanged Locknut IHANG10133DP		
			24	I	A	637	L	02400	R	11			
			36	I	A	637	L	03600	R	17			
			48	I	A	637	L	04800	R	23			
With 2 Hole Lag Plate	Standard	3"	12	I	A	572	L	01200	R	6		(4) 3/8" - 16 x 3/4" Bolt IHABF10167DP (4) 3/8" - 16 Flanged Locknut IHANF10169DP	
			24	I	A	572	L	02400	R	10			
			36	I	A	572	L	03600	R	15			
			48	I	A	572	L	04800	R	20			
	Reinforced	4"	3"	12	T	A	462	L	01200	R	6		(2) 1/2" x 2-7/8" Shoulder Bolt IHABH11139DP000000 (2) 1/2" Barrel Nut (Square Neck) IHANH11113DP000000
				24	T	A	462	L	02400	R	10		
				36	T	A	462	L	03600	R	15		
				48	T	A	462	L	04800	R	20		
Reinforced	4"	4"	12	I	A	638	L	01200	R	7	(2) 7/16" - 14 x 4-3/4" Bolt IHABG11229DP (2) 7/16" - 14 Flanged Locknut IHANG10133DP		
			24	I	A	638	L	02400	R	12			
			36	I	A	638	L	03600	R	18			
			48	I	A	638	L	04800	R	23			
Floor Mount 4 Hole Lag Plate		3"	10 1/4"	I	A	570	L	01025	E	9		No Hardware	

## HS-3 Column Shield

### High Strength Column Protector for 3" Wide Columns

- Minimum height is 6".
- Must be ordered in even inches.
- Available from Pontiac only.
- Ships with (4) 3/8" - 16 x 3/4" sq. neck bolts - IHABF10167DP000000, (4) 3/8" - 16 flanged locknuts - IHANF10169DP000000
- Color: Interlake Orange

Height (in.)	Interlake	Item	Model	Style	Height / Code (in.)	Color	Weight (Lbs.) Ea.
	1	2	3-5	6	7-11	12	
6	I	A	575	L	00600	R	2
12	I	A	575	L	01200	R	2
18	I	A	575	L	01800	R	2
24	I	A	575	L	02400	R	3
30	I	A	575	L	03000	R	4
36	I	A	575	L	03600	R	5
42	I	A	575	L	04200	R	6
48	I	A	575	L	04800	R	6



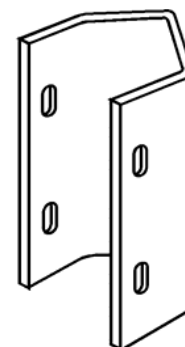
Model 575

## HS-3 Column Shield

### High Strength Column Protector for 3" Wide Reinforced Columns

- Minimum height is 6".
- Must be ordered in even inches.
- Available from Pontiac only.
- Ships with: (2) 1/2" x 2-3/8" shoulder bolts - IHAB11096DP000000, (2) 1/2" square neck barrel nuts - IHANH11113DP000000
- Color: Interlake Orange

Height (in.)	Interlake	Item	Model	Style	Height / Code (in.)	Color	Weight (Lbs.) Ea.
	1	2	3-5	6	7-11	12	
6	T	A	463	L	00600	R	2
12	T	A	463	L	01200	R	2
18	T	A	463	L	01800	R	2
24	T	A	463	L	02400	R	3
30	T	A	463	L	03000	R	4
36	T	A	463	L	03600	R	5
42	T	A	463	L	04200	R	6
48	T	A	463	L	04800	R	6



Model 463

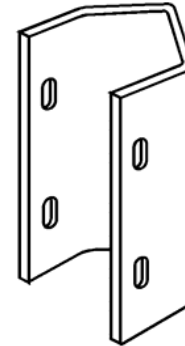


## HS-4 Column Shield

### High Strength Column Protector for 4" Wide Columns

- Minimum height is 12".
- Must be ordered in even inches.
- Available from Pontiac only.
- Ships with (4) 3/8" - 16 x 3/4" sq. neck bolts - IHABF10167DP, (4) 3/8" - 16 flanged locknuts - IHANF10169DP
- Color: Interlake Orange

Height (In.)	Interlake	Item	Model	Style	Height / Code (In.)	Color	Weight (Lbs.) Ea.
	1	2	3-5	6	7-11	12	
12	I	A	577	L	01200	R	2
18	I	A	577	L	01800	R	3
24	I	A	577	L	02400	R	4
30	I	A	577	L	03000	R	5
36	I	A	577	L	03600	R	6
42	I	A	577	L	04200	R	7
48	I	A	577	L	04800	R	8



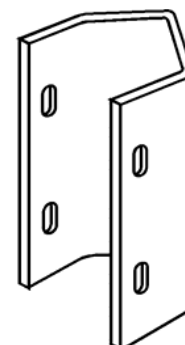
**Model 577**

## HS-4 Column Shield

### High Strength Column Protector for 4" Wide Reinforced Columns

- Minimum height is 12".
- Must be ordered in even inches.
- Available from Pontiac only.
- Ships with: (2) 7/16" - 14 x 4-3/4" bolts - IHABG11229DP, (2) 7/16" - 14 flanged locknuts - IHANG10133DP, (2) 7/16" flat washer - IHAWG10135DP
- Color: Interlake Orange

Height (In.)	Interlake	Item	Model	Style	Height / Code (In.)	Color	Weight (Lbs.) Ea.
	1	2	3-5	6	7-11	12	
12	I	A	639	L	01200	R	2
18	I	A	639	L	01800	R	3
24	I	A	639	L	02400	R	4
30	I	A	639	L	03000	R	5
36	I	A	639	L	03600	R	6
42	I	A	639	L	04200	R	7
48	I	A	639	L	04800	R	8

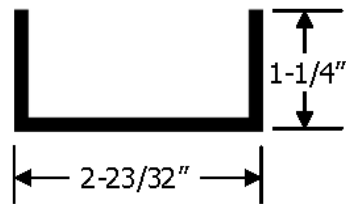
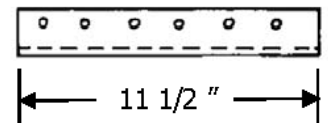
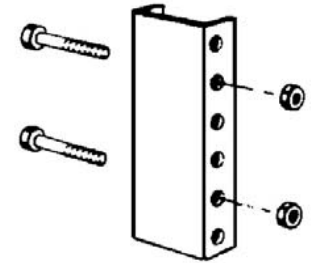


**Model 639**

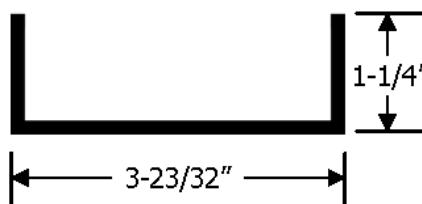
## Column Splicing - Internal

- Standard splicing piece for 3" x 1-5/8", 3" x 3" and 4" x 3" columns, "F" to "F" punched, "U" to "F" punched connections
- Splice piece for 3" column ships with: (2) 7/16" - 14 x 3-1/2" bolts - IHABG10129DP000000,  
(2) 7/16" - 14 flanged locknuts - IHANG10133DP000000
- Splice piece for 4" column ships with: (2) 7/16" - 14 x 4-1/2" bolts - IHABG10131DP000000,  
(2) 7/16" - 14

Column Size	Interlake	Item	Model	Style	Code #	Color	Weight (Lbs.) Ea.
	1	2	3-5	6	7-11	12	
3" Column	I	A	551	J	01150	G	2
4" Column	I	A	552	J	01150	G	2



For 3" Roll Formed Columns



For 4" Roll Formed Columns

These splices are good for a maximum of 10,000 lbs. above the splice level (5,000 lbs. per column).

## Column Cap (Field Installed) and Adhesive

- Available from Pontiac only.
- Adhesive cannot be shipped via air.
- Caps must use adhesive for attachment, order
- Color: Interlake Orange

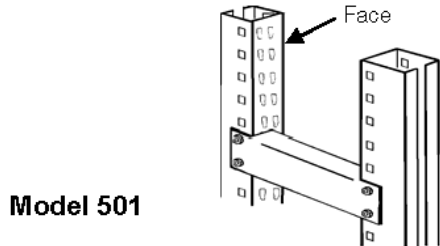


Column Size	Interlake	Item	Qty. / Pkg.	Style	Size	Code A	Code B	Color	Weight (Lbs.) Ea.
	1	2	3	4	5	6-10	11	12	
1-5/8" x 3"	I	H	A	C	N	10770	D	P	0.1
3" x 3"	I	H	A	C	N	10771	D	P	0.1
Adhesive	I	H	A	C	N	10772	D	P	0.6

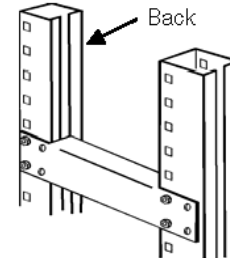
## Row Spacer (Up through 60" long)

(For lengths over 60" see Rigid Row Spacer.)

- Ships with: (4) 3/8" - 16 x 5/8" flanged bolts - IHABF10165DP000000, (4) 3/8" - 16 flanged locknuts - IHANF10169DP000000
- Color: Interlake Orange



Model 501



Model 503

For 1-5/8" x 3", 3" x 3" or 4" x 3" column (face to face).					
Interlake	Item	Model	Style	Space Length (in.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	501	S	----	R

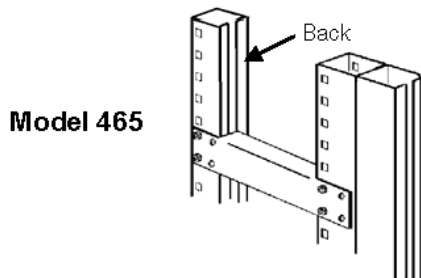
For 3" x 3" or 4" x 3" column when face to back as used in Drive-In.					
Interlake	Item	Model	Style	Space Length (in.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	503	S	----	R

## Row Spacer

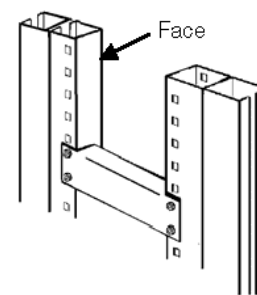
(Up through 60" long for 3" wide Reinforced Roll Formed Columns)

(For lengths over 60" see Rigid Row Spacer.)

- Ships with: (4) 1/2" x 2-3/8" shoulder bolts - IHABH11096DP000000, (4) 1/2" barrel nuts (square neck) - IHANH11113DP000000
- Color: Interlake Orange



Model 465



Model 464

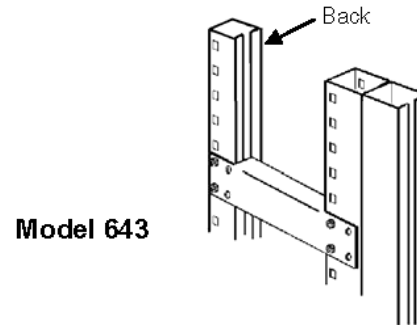
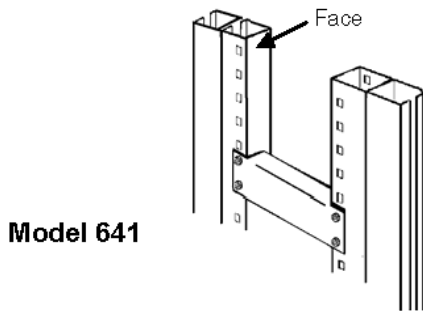
For 3" x 3" Reinforced columns when face to back as used in Drive-In.					
Interlake	Item	Model	Style	Space Length (in.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	465	S	----	R

For 1-5/8" x 3" or 3" x 3" Reinforced column (face to face).					
Interlake	Item	Model	Style	Space Length (in.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	464	S	----	R

## Row Spacers Up Through 60" Long (for 4" Wide Reinforced Roll Formed Columns)

(For lengths over 60" see Rigid Row Spacer.)

- Ships with: (4) 7/16" - 14 x 4-1/2" bolts - IHABG10131DP000000, (4) 7/16" - 14 flanged locknuts - IHANG10133DP000000
- Model 641 consists of IA5015 row spacer plus hardware, Model 643
- Consists of IA5035 row spacer plus hardware.
- Color: Interlake Orange



For 4" x 3" Reinforced Columns (face to face).					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	641	S	----	R

For 4" x 3" Reinforced columns or when face to back as used in Drive-In.					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	643	S	----	R

## Row Spacers for Selecta-Flo Punched Frames

Consists of:

- (4) 1/2" - 13 x 1 Kwik Lok bolts - IHABH10242DP000000
- (4) 1/2" - 13 flanged locknuts - IHANH10149DP000000

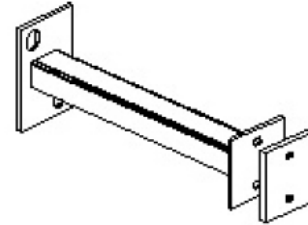
Maximum length = 60"



Consists of:

- (2) 1/2" - 13 x 1" Kwik Lok bolts - IHABH10242DP000000
- (2) 1/2" - 13 flanged locknuts - IHANH10149DP000000
- (2) 3/8" - 16 x 3/4" flanged bolts - IHABF10166DP000000
- (1) friction plate - IHAMD12640CP000000

Maximum length = 60"



**Frame Column Face to Face Column Face**

Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	514	S	----	R

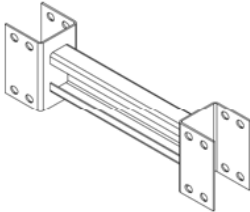
**Frame Column Face to Single Column Back**

Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	516	S	----	R

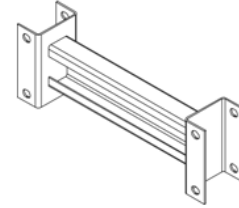
## Rigid Row Spacers Over 60" Long For 3" Wide Columns

- Ships with: (4) 1/2" x 2-7/8" shoulder bolts - IHABH11139DP000000, (4) 1/2" barrel nuts (square neck) - IHANH11113DP000000
- Color: Interlake Orange

Maximum Length = 120"



For 3" x 3" column when face to back.					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	451	S	----	R

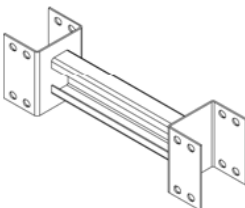


For 3" x 1-5/8" and 3" x 3" columns when face to face.					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	451	S	----	R

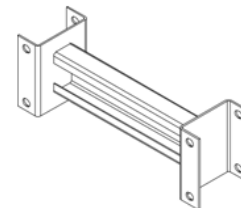
## Rigid Row Spacers Over 60" Long For 4" Wide Columns

- Ships with: (4) 7/16" - 14 x 4-3/4" bolts - IHABG11229DP000000, (4) 7/16" - 14 flanged locknuts, IHANG10133DP000000
- Color: Interlake Orange

Maximum Length = 120"



For 4" x 3" column when face to back.					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	505	S	----	R

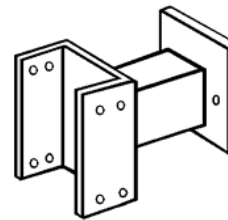


For 4" x 3" columns when face to face.					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	504	S	----	R

## Rigid Wall Fix For 3" Wide Columns

- Ships with: (2) 1/2" x 2-7/8" shoulder bolts - IHABH11139DP000000, (2) 1/2" barrel nuts (square neck) - IHANH11113DP000000
- (2) 1/2" dia. wall anchors need to be ordered separately. See Hardware section for more information.
- Lengths: 14" - 36"
- For lengths less than 14", use an Economy Wall Fix.
- Color: Interlake Orange

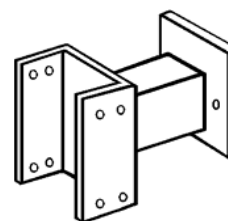
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	457	W	----	R



## Rigid Wall Fix For 4" Wide Columns

- Ships with: (2) 7/16" x 4-3/4" Bolts - IHABG11229DP000000, (2) 7/16" flanged locknuts - IHANG10133DP000000
- (2) 1/2" dia. wall anchors need to be ordered separately. See Hardware section for more information.
- Lengths: 14" - 36"
- For lengths less than 14", use an Economy Wall Fix.
- Color: Interlake Orange

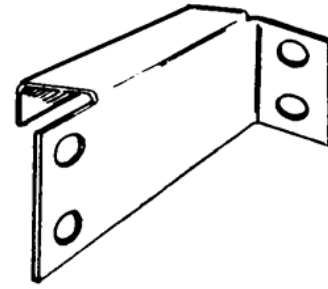
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	529	W	----	R



## Economy Wall Fix For Unreinforced Columns

- Ships with: (2) 3/8" x 3/4" bolts - IHABF10166DP000000, (2) 3/8" flanged locknuts - IHANF10169DP000000
- (2) 1/2" dia. wall anchors need to be ordered separately. See Hardware section for more information.
- Lengths: 2" - 18"
- Color: Interlake Orange

For 3" x 1-5/8", 3" x 3" or 4" x 3" Columns					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	530	W	----	R



## Economy Wall Fix For Reinforced Columns

- Ships with: (1) IA530W... Wall fix of ordered length and:  
 For 3" - (2) 1/2" x 2-3/8" shoulder bolt - IHABH11096DP000000, (2) 1/2" barrel nut (square neck) - IHANH11113DP000000  
 For 4" - (2) 7/16" - 14 x 4-1/2" bolt - IHABG10131DP000000, (2) 7/16" - 14 flanged locknut - IHANG10133DP000000
- (2) 1/2" dia. wall anchors need to be ordered separately. See Hardware section for more information.
- Lengths: 2" - 18"
- Color: Interlake Orange

For 3" Reinforced Columns					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
T	A	460	W	----	R

For 4" Reinforced Columns					
Interlake	Item	Model	Style	Space Length (In.) (xxx.xx)	Color
1	2	3-5	6	7-11	12
I	A	631	W	----	R





## Pallet Stop Bracket for 3" Wide Columns

- Ships with: (4) 7/16" - 14 x 3-3/4" bolts - IHABG11317DP000000, (4) 7/16" - 14 flanged locknuts - IHANG10133DP000000
- 3" x 1-5/8" or 3" x 3" rail is to be used as the rail stop. Length is ordered in even inches.
- Color: Interlake Orange

	Interlake					
	Item	Model	Style	Space Length (In.) (xxx.xx)	Color	
	1	2	3-5	6	7-11	12
For Post Back	I	A	534	W	----	R
For Frame Face	I	A	538	W	----	R

	Interlake					
	Item	Model	Style	Space Length (In.) (xxx.xx)	Color	
	1	2	3-5	6	7-11	12
For Post Back	I	A	536	W	----	R
For Frame Face	I	A	540	W	----	R

Ordered Length 1/4" to 2" Maximum

## Pallet Stop Bracket for 4" Wide Columns

- Ships with: (2) 7/16" - 14 x 3-3/4" bolts - IHABG11317DP000000, (2) 7/16" - 14 x 4-3/4" bolts - IHABG11229DP000000, (4) 7/16" - 14 flanged locknuts - IHANG10133DP000000
- 3" x 1-5/8" or 3" x 3" rail is to be used as the rail stop. Length is ordered in even inches.
- Color: Interlake Orange

	Interlake					
	Item	Model	Style	Space Length (In.) (xxx.xx)	Color	
	1	2	3-5	6	7-11	12
For Post Back	I	A	522	W	----	R
For Frame Face	I	A	524	W	----	R

	Interlake					
	Item	Model	Style	Space Length (In.) (xxx.xx)	Color	
	1	2	3-5	6	7-11	12
For Post Back	I	A	523	W	----	R
For Frame Face	I	A	525	W	----	R

Ordered Length 1/4" to 2" Maximum

How to order dr-rail for pallet stop.

- Must be ordered in even inch increments
- See drive-in section for part numbers
- For bays with even inch center to center of frames, order standard dr-rail with length equal to bay center.
- For bays with odd inches center to center of frames, order standard dr-rail with length equal to bay center minus 1".



## Reel Holder Base Assembly For U and F Style Frames

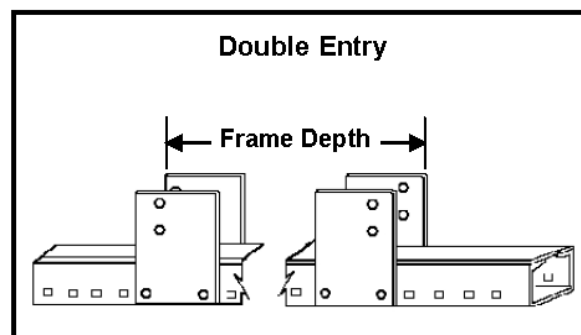
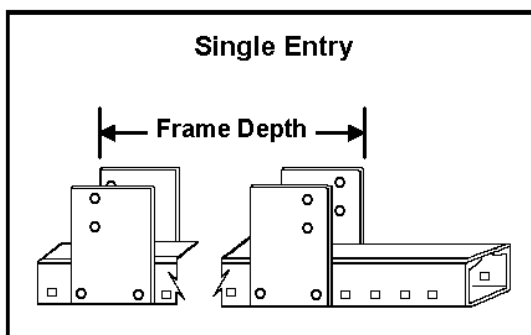
**Single Entry** ships with loose parts:

- (8) 7/16" - 14 x 3-3/4" bolts - IHABG11317DP000000, (8) 7/16" - 14 nuts - IHANG10133DP000000,
- (1) 1/2" - 13 x 3-3/4" anchor - IHA AH10094DP000000, (4) connector plates - IA826H00000R000000

**Double Entry** ships with loose parts:

- (8) 7/16" - 14 x 3-3/4" bolts - IHABG11317DP000000, (8) 7/16" - 14 nuts - IHANG10133DP000000,
- (2) 1/2" - 13 x 3-3/4" anchors - IHA AH10094DP000000, (4) connector plates - IA826H00000R000000

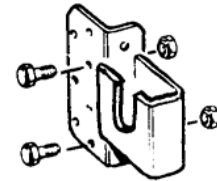
	Interlake	Item	Model	Style	Frame Depth (In.)	Color
	1	2	3-5	6	7-11	12
Single Entry	T	A	825	H	0--00	R
Double Entry	T	A	827	H	0--00	R



## Reel Holders

- Ships with: (2) 7/16" - 14 x 1" bolts - IHABG10124DP000000, (2) 7/16" - 14 flanged locknuts - IHANG10133DP000000
- Order left hand and right hand holders separately.
- These capacities assume that all components parts used are (1) manufactured by Interlake, (2) in good condition, and (3) properly installed.
- Color: Interlake Orange

Right / Left Hand	Interlake		Model	Style	Code #		Color	Weight (Lbs.) Ea.	Capacity (Lbs.)	For Axle Max. O.D.
	1	2			3-5	6				
RH	I	A	541	H	00000	R	3	2,000 lbs./pair	1-11/16"	
LH	I	A	542	H	00000	R	3	2,000 lbs./pair	1-11/16"	
RH	I	A	545	H	00000	R	4	3,500 lbs./pair	2-3/8"	
LH	I	A	546	H	00000	R	4	3,500 lbs./pair	2-3/8"	



Right Hand Reel Holder Shown