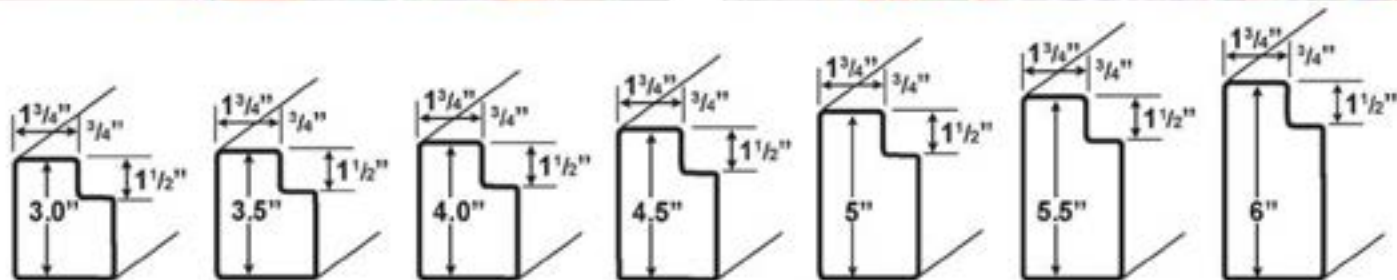


# Invincible Rack

## Product Guide



# BEAM SELECTING



CAPACITY PER PAIR  $\longleftrightarrow$  BEAM LENGTH (CLEAR SPAN)

BEAM SIZE	48"	60"	72"	84"	92"	96"	108"	120"	144"	LONGER BEAM OPTION
3.0"	IBX-30048	IBX-30060	IBX-30072 5,045#	IBX-30084 3,846#	IBX-30092 3,285#	IBX-30096 3,052#	IBX-30108 2,494#	IBX-30120 2,083#	IBX-30144 1,534#	CALL
3.5"	IBX-35048	IBX-35060	IBX-35072 6,246#	IBX-35084 5,133#	IBX-35092 4,363#	IBX-35096 4,044#	IBX-35108 3,282#	IBX-35120 2,729#	IBX-35144 1,989#	CALL
4.0"	IBX-39048	IBX-39060	IBX-39072 7,162#	IBX-39084 6,261#	IBX-39092 5,455#	IBX-39096 5,047#	IBX-39108 4,079#	IBX-39120 3,378#	IBX-39144 2,448#	CALL
4.5"	IBX-43048	IBX-43060	IBX-43072 8,055#	IBX-43084 7,022#	IBX-43092 6,486#	IBX-43096 6,111#	IBX-43108 5,000#	IBX-43120 4,062#	IBX-43144 3,000#	CALL
5.0"	IBX-48048	IBX-48060	IBX-48072 9,460#	IBX-48084 8,216#	IBX-48092 7,569#	IBX-48096 7,286#	IBX-48108 6,357#	IBX-48120 5,228#	IBX-48144 3,737#	CALL
5.5"	IBN-55048	IBN-55060	IBN-55072 11,364#	IBN-55084 10,431#	IBN-55092 10,431#	IBN-55096 10,029#	IBN-55108 8,873#	IBN-55120 7,505#	IBN-55144 5,569#	CALL
6.0"	IBN-60048	IBN-60060	IBN-60072 12,896#	IBN-60084 11,837#	IBN-60092 11,837#	IBN-60096 11,368#	IBN-60108 10,046#	IBN-60120 8,478#	IBN-60144 6,273#	CALL

Also available 6.0" x 144" (capacity 7,820)

## BEAM

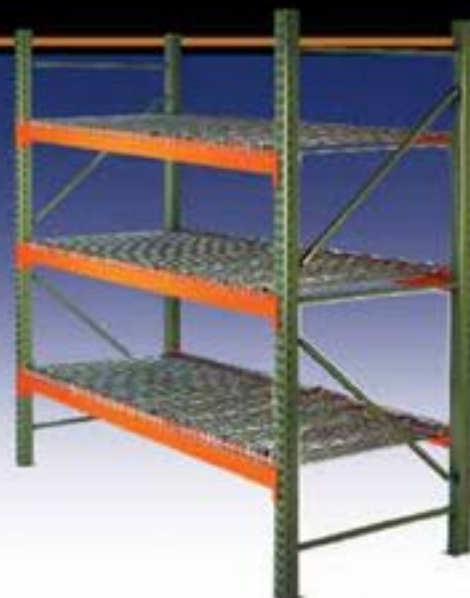
## NOTES . . .

**1** Maximum deflection - Beam length (in.) divided by 180.

**2** Meets R.M.I\* standard. (\*R.M.I.=Racks Manufacturers Institute)

# UPRIGHT FRAME SELECTING

- Standard color: green uprights & orange beams (other colors available).
- Beams and uprights constructed of HSLA prime, U.S. made high-strength steel. ASTM A1011-GR55. (Documented verification available on request.)
- High quality polyurethane paint. Environmentally safe. Does not contain lead.
- Guaranteed shipping program. Quick-ship available on selected standard items.
- Engineering available for seismic requirements.



## INVINCIBLE® UPRIGHT FRAME HEIGHTS

DEPTH	8ft.	10ft.	12ft.	14ft.	15ft.	16ft.	20ft.	24ft.	30ft.	36ft.	40ft.	46ft.
36"	IU18 360-096	IU18 360-120	IU18 360-144	IU18 360-168	IU18 360-180	IU18 360-192	IU18 360-240	—	—	—	—	—
	IU24 360-096	IU24 360-120	IU24 360-144	IU24 360-168	IU24 360-180	IU24 360-192	IU24 360-240	IU24 360-288	IU24 360-360	IU24 360-432	IU24 360-480	IU24 360-552
	IU29 360-096	IU29 360-120	IU29 360-144	IU29 360-168	IU29 360-180	IU29 360-192	IU29 360-240	IU29 360-288	IU29 360-360	IU29 360-432	IU29 360-480	IU29 360-552
	IU35 360-096	IU35 360-120	IU35 360-144	IU35 360-168	IU35 360-180	IU35 360-192	IU35 360-240	IU35 360-288	IU35 360-360	IU35 360-432	IU35 360-480	IU35 360-552
	IU38 360-096	IU38 360-120	IU38 360-144	IU38 360-168	IU38 360-180	IU38 360-192	IU38 360-240	IU38 360-288	IU38 360-360	IU38 360-432	IU38 360-480	IU38 360-552
42"	IU18 420-096	IU18 420-120	IU18 420-144	IU18 420-168	IU18 420-180	IU18 420-192	IU18 420-240	—	—	—	—	—
	IU24 420-096	IU24 420-120	IU24 420-144	IU24 420-168	IU24 420-180	IU24 420-192	IU24 420-240	IU24 420-288	IU24 420-360	IU24 420-432	IU24 420-480	IU24 420-552
	IU29 420-096	IU29 420-120	IU29 420-144	IU29 420-168	IU29 420-180	IU29 420-192	IU29 420-240	IU29 420-288	IU29 420-360	IU29 420-432	IU29 420-480	IU29 420-552
	IU35 420-096	IU35 420-120	IU35 420-144	IU35 420-168	IU35 420-180	IU35 420-192	IU35 420-240	IU35 420-288	IU35 420-360	IU35 420-432	IU35 420-480	IU35 420-552
	IU38 420-096	IU38 420-120	IU38 420-144	IU38 420-168	IU38 420-180	IU38 420-192	IU38 420-240	IU38 420-288	IU38 420-360	IU38 420-432	IU38 420-480	IU38 420-552
48"	IU18 480-096	IU18 480-120	IU18 480-144	IU18 480-168	IU18 480-180	IU18 480-192	IU18 480-240	—	—	—	—	—
	IU24 480-096	IU24 480-120	IU24 480-144	IU24 480-168	IU24 480-180	IU24 480-192	IU24 480-240	IU24 480-288	IU24 480-360	IU24 480-432	IU24 480-480	IU24 480-552
	IU29 480-096	IU29 480-120	IU29 480-144	IU29 480-168	IU29 480-180	IU29 480-192	IU29 480-240	IU29 480-288	IU29 480-360	IU29 480-432	IU29 480-480	IU29 480-552
	IU35 480-096	IU35 480-120	IU35 480-144	IU35 480-168	IU35 480-180	IU35 480-192	IU35 480-240	IU35 480-288	IU35 480-360	IU35 480-432	IU35 480-480	IU35 480-552
	IU38 480-096	IU38 480-120	IU38 480-144	IU38 480-168	IU38 480-180	IU38 480-192	IU38 480-240	IU38 480-288	IU38 480-360	IU38 480-432	IU38 480-480	IU38 480-552

Other upright depths and heights available

\* Some exclusions apply

# CAPACITIES



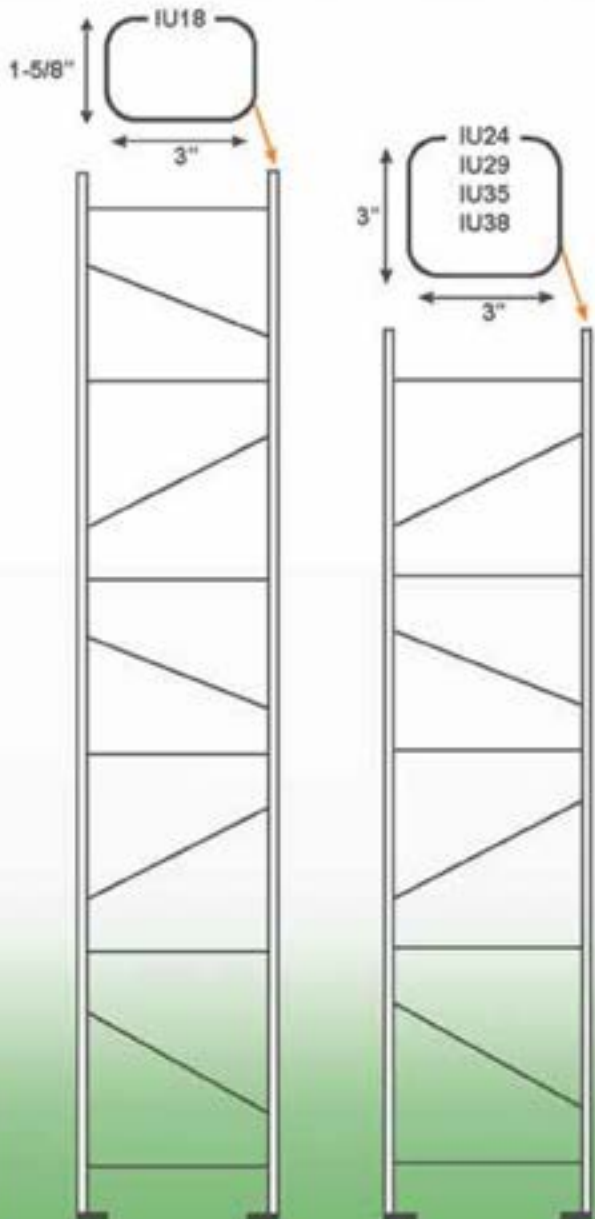
## INVINCIBLE® RACK CAPACITIES

The table below has been calculated in accordance with the RMI "Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks" and the edition of the AISI "Specification for the Design of Cold-Formed Steel Structural Members".

### HORIZONTAL AND DIAGONAL BRACING

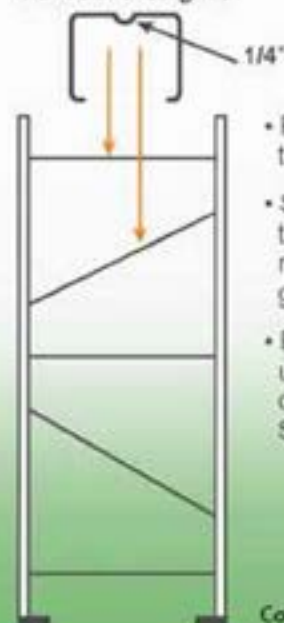
All upright frames use reinforced 1-1/2" wide closed-lip, horizontal and diagonal bracing to resist damage in transit and from fork lift abuse. 1" x 1-1/2" horizontal bracing is placed approximately 8" from the floor to help resist impact damage and allow ease in lagging foot plate to floor.

### UPRIGHTS



BEAM SPACING	UPRIGHT FRAME				
	IU18	IU24	IU29	IU35	IU38
36	19,380	28,800	35,500	40,300	45,100
42	18,100	27,200	33,600	38,100	42,700
48	16,700	25,300	31,100	35,300	39,600
54	15,300	23,200	28,600	32,500	36,300
60	13,800	21,100	26,000	29,500	33,000
66	12,300	19,000	23,400	26,600	29,700
72	10,900	16,900	20,800	23,700	26,400
78	9,500	14,900	18,200	20,800	23,200
84	8,300	13,100	16,100	18,300	20,400
90	7,300	11,600	14,200	16,200	18,100
96	6,500	10,300	12,700	14,400	16,100

Bracing channel with reinforcing rib



- For vertical beam spacing greater than 96", please contact your distributor.
- Shelf spacing is measured from the floor to the top of the first beam or the maximum shelf spacing (whichever is greater).
- For more information on additional upright frame configurations please contact your Regional Manager or Inside Sales at 800-438-5629.



Complies with current RMI Engineering Standards.



### Our Beams Fit Both Tear Drop Styles of Upright

(Provided same beam manufacturer  
used in same bay)

## Rack Structures

From catwalks to rack-supported mezzanines to full pick modules and structures, Husky Rack & Wire can engineer and design a material handling system to suit almost any need. Please contact our Project Management Staff or your Regional Manager for assistance.



Husky Rack & Wire makes continuous improvements in all its products. We reserve the right to change specifications without notice. Photos and illustrations may contain standard and optional equipment.

### Warranty Information

For warranty information applicable to all our products, refer to the Husky Rack & Wire Terms and Conditions of Sale, which are accessible at [www.huskyrackandwire.com/terms\\_and\\_conditions.html](http://www.huskyrackandwire.com/terms_and_conditions.html)

# ACCESSORIES

## RIGID WALL SPACER



Distance between wall and back of upright frame

3"  
6"  
9"  
12"  
18"

Catalog Number

WSIN03  
WSIN06  
WSIN09  
WSIN12  
WSIN18

Furnished with necessary bolts & nuts.  
Connects and rigidly holds racks at set spacing.  
Recommended when upright height is more than six times depth.

## FLOOR MOUNT POST PROTECTOR



Size

6" x 1/4"  
12" x 1/4"  
18" x 1/4"  
24" x 1/4"

Catalog Number

I5706-P  
I5712-P  
I5718-P  
I5724-P

## ROW SPACER



Distance between upright frames (back to back)

3"  
6"  
9"  
12"  
18"  
24"

Catalog Number

RSIN03  
RSIN06  
RSIN09  
RSIN12  
RSIN18  
RSIN24

Furnished with necessary bolts & nuts.  
Connects and rigidly holds racks at set spacing.  
Recommended when upright height is more than six times depth.

## ANCHORING BOLT



Size

1/2" x 4-3/4"

Catalog Number

I33536

## SERIES 1000 WATERFALL CROSSBAR



Upright frame depth

36"  
42"  
48"

Catalog Number

A1036G  
A1042G  
A1048G

## BASE PLATE SHIM



Size

Standard  
4" x 4-1/4" x 10 GA

Catalog Number

FP001

## AISLE SHIELD



## RACK GUARD



## WIRE DECK



Made in the USA

Ches # 16508 5/14



Item #80146-4