RED STEEL
MATERIAL HANDLING

www.redsteelmh.com

Selective Pallet Racking

The most commonly used storage system in warehouses.

Selective Pallet Racking

The Universal Storage Solution

Selective pallet racks are the most commonly used storage system in warehouses. Mostly used in industrial warehouses, pallet racks provide the ability to store a high amount of inventory and gives you the ability to take advantage of the vertical space of your facility. Composed of upright frames and beams, which are manufactured in various heights, widths and lengths to suit your pallet racking needs.

Both popular and durable, this racking system offers easy accessibility to individual pallets, provides huge versatility and can be configured for a variety of uses and product sizes.

Tear drop design allows fast installation and provides the safest environment for your facility. Red Steel selective pallet rack systems are built using high-strength steel to fully comply industry standards.

Selective Pallet Rack

Components

1. Upright
2. Beam
3. Bracing
4. Wire deck
5. Pallet support
6. Foot plate
7. Row spacer
8. Post protector
9. Bullnose post protector
10. End aisle protector

At Red Steel we carry a wide variety of pallet rack accessories. From rack protection equipment to pallet support. For a full list of accessories see our accessories page at the back of this catalog or contact your Red Steel representative.

Uprights

Red Steel rolled-formed frames are highly versatile and easy to assemble. Consisting of two posts, horizontal / diagonal braces, and foot plates. Tear drop hole punches every 2" along the posts for customizable beam insertion.

High quality powder coated paint finish protects your frames from daily wear giving your racks a longer life expectancy.

Components

1). Frame Post

2). Horizontal brace

3). Diagonal brace

4). Foot plate

Specifications

Item #	Size / Color	Weight (lbs)
IU842-14	8' x 42" / Blue	54.16
IU1042-14	10' x 42" / Blue	68.17
IU1242-14	12' x 42" / Blue	80.64
IU1624-14	16' x 24" / Blue	96.53
IU1642-14	16' x 42" / Blue	105.58
IU1648-14	16' x 48" / Blue	108.89
IU1842-14	18' x 42" / Blue	118.05
IU2042-14	20' x 42" / Blue	130.53
IU2442-14	24' x 42" / Blue	155.47
IU2442-13	24' x 42" / Blue	178.39

Dimensions

Tear drop hole punches every 2" for customizable beam insertion.

Beams

Roll-formed beams are the horizontal component of the rack on which loads are placed. Available in different sizes, our beams have welded end plates that slot into the frame teardrop holes, using a safety clip to secure the structure. A step indentation on the inside of our beams allows for wire decking or crossbar supports.

Specifications

Item Number	Size	Weight (lbs)
IB4835-16	48" x 3.5"	11.66
IB6040-16	60" x 4.0"	15.12
IB8435-16	84" x 3.5"	18.96
IB9630-16	96" x 3.0"	19.77
IB9635-16	96" x 3.5"	21.40
IB9640-16	96" x 4.0"	23.03
IB9645-16	96" x 4.5"	24.65
IB9650-16	96" x 5.0"	26.28
IB9655-14	96" x 5.5"	35.50
IB10850-15	108" x 5.0"	32.99
IB12055-15	120" x 5.5"	39.41
IB14460-14	144" x 6.0"	55.08

Front view

Back view

Beam Sizes

Beam Connection Safety Pins

All our beams have safety beam connection pin attached to the end-plates for secured strength.

Wire Decking

Available in a variety of sizes and great for different load capacities, wire decking is easy to install by simply dropping into place on the beams. Wire decking improves the versatility of your racks by allowing to store more than just pallets. Boxes, bins and individual products can be stored over wire decking.

Some benefits of wire decking are preventing dust build-up in your racks, increase inventory visibility and allowing better airflow in your facility. Wire decking increases safety by helping water sprinklers effectiveness in case of fire (most local fire codes require them).

Item Number	Size / Description	Capacity (lbs)	Weight (lbs)
NW2446	24" x 46"	3,280	10.2
NW2446F	24" x 46" Flared	2,500	10.8
NW2458	24" x 58"	3,500	12.3
NW3646	36" x 46"	2,700	15.5
NW3646F	36" x 46" Flared	2,500	17.7
NW3658	36" x 58"	2,700	17.8
NW4246.22N	42" x 46"	2,200	16.8
NW4246.27N	42" x 46"	2,700	19.7
NW4246F	42" x 46" Flared	2,500	25.0
NW4258	42" x 58"	2,750	22.9
NW4846	42" x 46"	2,500	23.9
NW4846F	48" x 46" Flared	2,500	31.6
NW4852	48" x 52"	2,500	26.8
NW4858	48" x 58"	2,500	28.5
NWF3612	WD Filler 36"D x 12"W - 2 Cross bars	1,250 UDL	6.7
NWF4212	WD Filler 42"D x 12"W - 2 Cross bars	1,000 UDL	8.5

Capacity Charts

Teardrop Frame Capacity Chart

Beam Spacing	Bolted Frame (lbs)			
	3"x 3"x15ga	3"x3"x14ga	3"x3"x13ga	3"x 3"x12ga
36''	17.600	23.980	28.380	30.580
42''	17.600	22.880	27.280	29.480
48''	17.600	21.780	26.180	28.380
54''	16.610	20.680	25.080	27.280
60''	15.620	19.580	23.980	26.180
66''	14.630	18.480	22.880	25.080
72''	13.640	17.380	21.780	23.980
78''	12.540	16.280	20.680	22.880
84''	11.440	15.180	19.580	21.780
90''	10.340	14.080	18.480	20.680
96''	9.240	12.980	17.380	19.580

Step Beam Loading Capacity Chart

Loading Table					
	Beam Length	Description	Capacity (lbs)	Gauge	Weight (lbs)
BEAM	48"	48" x 3.5"	7,000	16	11.66
	60"	60" x 4.0"	7,000	16	15.12
	84"	84" x 3.5"	3,775	16	18.96
	96"	96" x 3.0"	1,986	16	19.77
		96" x 3.5"	2,890	16	21.40
		96" x 4.0"	4,027	16	23.03
		96" x 4.5"	5,216	16	24.65
		96" x 5.0"	6,254	16	26.28
		96" x 5.5"	9,176	14	35.50
	108"	108" x 5.0"	6,270	15	32.99
	120"	120" x 5.5"	6,565	15	39.41
	144"	144" x 6.0"	6,337	14	55.08

Accessories

Row Spacers

Row spacers are placed between uprights to create consistent spacing between back to back pallet rack rows. they provide additional stability to your rows and improved overall safety.

Available in 6", 8" & 12" long.
Blue, orange or galvanized coating.

Footplates

Sitting at the base of the uprights, foot plates serve as anchors to give more stability to the racks. Bolts are inserted through the footplate to attach the columns to the floor.

End of Aisle Rack Protectors

Protects the entire depth of the frame from forklift impact and is perfect for intersecting aisles or at the end of each pallet rack where traffic is the heaviest.

Available in right, left or double-side configuration.

Post Protectors

Protects the integrity of your pallet rack uprights. Anchored to the floor and wrap around design protects the full width of the rack posts. Steel constructed resists heavy impact.

Accessories

Bullnose Protectors

Protects the bottom 4 inches of the uprights where accidents mostly happen. A very cost-effective solution to safeguard the lower ends of your posts.

Anchored to floor and available in safety yellow and galvanized coating.

Bolt-on Post Protector

Reinforces your uprights with more steel, increasing the thickness and rigidity of your racks. Fits to upright holes and can be installed at the excat height you need.

Guide Rails

Guide rails help keep your vehicles on track inside your warehouse aisles. Using guide rails helps protect your racks and the products you store.

Pallet Stop Beams

Designed to prevent pallets of product from being accidentally pushed off the back of a rack during loading or unloading. pallet stops are used as a brake, so that your forklift driver knows where to stop when putting the pallets into place.

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