



SELECTIVE STRUCTURAL PALLET RACK

- BUILT FOR LONG-LASTING PERFORMANCE
- INCREASED RESISTANCE TO FORKLIFT DAMAGE DUE TO THICKER CROSS-SECTION OF STRUCTURAL MEMBERS



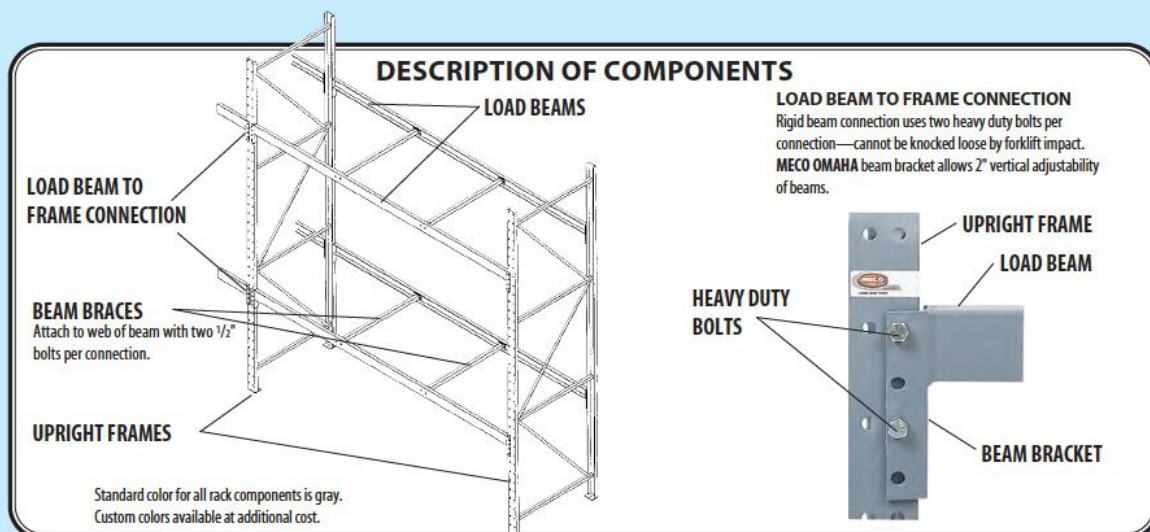
MECO OMAHA Structural Pallet Rack is designed in accordance with AISC and RMI Standards. Upright frames and load beams are fabricated from structural channel with a minimum yield of 36,000 PSI. Beams are secured to the upright frames with plated, heavy duty bolts and nuts—cannot be dislodged by forklift impact; installation is fast and easy with no special tools required.

A wide range of frame heights, depths, beam lengths and load capacities is available to meet the most demanding storage requirements. Custom pallet rack is designed by a dedicated engineering staff using state-of-the-art CAD technology and years of experience.

UPRIGHT FRAMES • Rigid, all-welded upright frames provide storage capacity up to 52,200 lbs. per bay. Select the height of upright frames according to existing ceiling heights, sprinkler systems, and forklift limitations. Frame depth is determined by the length of the pallet: Standard pallet overhang is 3"

front and back. The stated capacity of upright frames is based on a maximum vertical beam spacing of 60". A vertical beam spacing of less than 60" will result in the same stated capacity. The vertical beam spacing includes the distance from the floor to the top of the lowest pair of load beams. Frames are punched on 4" centers for maximum beam adjustability.

LOAD BEAMS • Special bracket allows 2" adjustability up and down the frame. When selecting the appropriate beam length, add a minimum of 10" to two pallet widths or 14" to three pallet widths. Additional spacing may be required for pallets with excessive load overhang. Using the Load Beam Table of Capacity, select the pair of beams of the proper length and capacity making sure not to overload the beams. **NOTE:** Capacities are based on a uniformly distributed load over a pair of beams. Our stated capacities are in accordance with AISC and RMI Standards. Deflection does not exceed 1/180 of the beam length. Load beams and related beam braces are sold as an integral unit.



SELECTIVE STRUCTURE

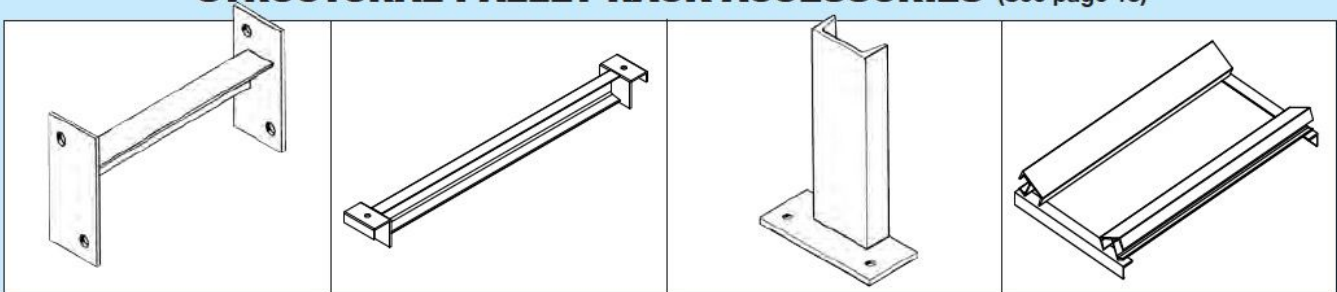
UPRIGHT FRAMES

STRUCTURAL CHANNEL UPRIGHT FRAMES

DEPTH OF FRAME	HEIGHT OF FRAME	3" CHANNEL • 34,800 LBS CAPACITY PER BAY*		4" CHANNEL • 52,200 LBS CAPACITY PER BAY*	
		MODEL NO.	WEIGHT (LBS)	MODEL NO.	WEIGHT (LBS)
36"	8'	SF3-3608	76	SF4-3608	110
	10'	SF3-3610	93	SF4-3610	136
	12'	SF3-3612	126	SF4-3612	164
	14'	SF3-3614	146	SF4-3614	189
	15'	SF3-3615	159	SF4-3615	206
	16'	SF3-3616	167	SF4-3616	217
	18'	SF3-3618	187	SF4-3618	242
	20'	SF3-3620	211	SF4-3620	274
	22'	SF3-3622	228	SF4-3622	296
	24'	SF3-3624	252	SF4-3624	327
42"	8'	SF3-4208	78	SF4-4208	113
	10'	SF3-4210	95	SF4-4210	139
	12'	SF3-4212	129	SF4-4212	167
	14'	SF3-4214	149	SF4-4214	193
	15'	SF3-4215	162	SF4-4215	210
	16'	SF3-4216	170	SF4-4216	221
	18'	SF3-4218	190	SF4-4218	247
	20'	SF3-4220	215	SF4-4220	280
	22'	SF3-4222	232	SF4-4222	302
	24'	SF3-4224	257	SF4-4224	334
48"	8'	SF3-4808	79	SF4-4808	114
	10'	SF3-4810	97	SF4-4810	141
	12'	SF3-4812	131	SF4-4812	169
	14'	SF3-4814	151	SF4-4814	196
	15'	SF3-4815	165	SF4-4815	213
	16'	SF3-4816	173	SF4-4816	223
	18'	SF3-4818	193	SF4-4818	250
	20'	SF3-4820	221	SF4-4820	283
	22'	SF3-4822	235	SF4-4822	305
	24'	SF3-4824	260	SF4-4824	337

* BASED ON A MAXIMUM VERTICAL BEAM SPACING OF 60"

STRUCTURAL PALLET RACK ACCESSORIES (See page 18)



WALL TIES AND ROW SPACERS permit linking a row of racks to either the wall or a back-to-back row of racks. Maintain spacing while providing additional stability to the system. Available in lengths from 6" to 24".

DROP-IN CROSS SUPPORTS prevent undersized loads from falling through the beams, support weak pallets or serve as a deck support.

STRUCTURAL POST PROTECTORS provide extra protection from forklift abuse in the lower frame areas.

COIL CRADLES provide a storage option for various sized coils and drums.

Other popular accessories such as fork clearance bars, skid channels, and drum cradles are available.

Contact your MECO OMAHA representative.

INDUSTRIAL PALLET RACK

LOAD BEAMS

STRUCTURAL CHANNEL LOAD BEAMS (LOAD BEAMS AND RELATED BEAM BRACES ARE SOLD AS AN INTEGRAL UNIT)

LENGTH OF BEAMS	3" CHANNEL (PER PAIR)				4" CHANNEL (PER PAIR)				5" CHANNEL (PER PAIR)			
	NO. OF BEAM BRACES	BEAM BRACE LENGTH	MODEL NO.	WEIGHT (LBS)	NO. OF BEAM BRACES	BEAM BRACE LENGTH	MODEL NO.	WEIGHT (LBS)	NO. OF BEAM BRACES	BEAM BRACE LENGTH	MODEL NO.	WEIGHT (LBS)
48"	0	-	2SB3-48	42	0	-	2SB4-48	48	0	-	2SB5-48	60
54"			2SB3-54	45			2SB4-54	54			2SB5-54	68
60"			2SB3-60	49			2SB4-60	60			2SB5-60	73
66"			2SB3-66	53			2SB4-66	64			2SB5-66	81
72"			2SB3-72	57			2SB4-72	70			2SB5-72	88
84"	0	-	2SB3-84	65	1	36"	2SB4-84-36	88	1	36"	2SB5-84-36	108
96"						42"	2SB4-84-42	89		42"	2SB5-84-42	109
						48"	2SB4-84-48	90		48"	2SB5-84-48	110
108"	1	36"	2SB3-108-36	89	1	36"	2SB4-108-36	101	1	36"	2SB5-108-36	122
		42"	2SB3-108-42	90		42"	2SB4-108-42	103		42"	2SB5-108-42	123
		48"	2SB3-108-48	91		48"	2SB4-108-48	104		48"	2SB5-108-48	124
120"	1	36"	2SB3-120-36	89	2	36"	2SB4-120-36	111	2	36"	2SB5-120-36	135
		42"	2SB3-120-42	90		42"	2SB4-120-42	112		42"	2SB5-120-42	136
		48"	2SB3-120-48	91		48"	2SB4-120-48	113		48"	2SB5-120-48	137
132"	2	36"	2SB3-132-36	97	2	36"	2SB4-132-36	129	2	36"	2SB5-132-36	156
		42"	2SB3-132-42	98		42"	2SB4-132-42	132		42"	2SB5-132-42	158
		48"	2SB3-132-48	99		48"	2SB4-132-48	133		48"	2SB5-132-48	160
144"	2	36"	2SB3-144-36	112	2	36"	2SB4-144-36	140	2	36"	2SB5-144-36	169
		42"	2SB3-144-42	114		42"	2SB4-144-42	142		42"	2SB5-144-42	171
		48"	2SB3-144-48	116		48"	2SB4-144-48	143		48"	2SB5-144-48	173
144"	2	36"	2SB3-144-236	118	2	36"	2SB4-144-236	152	2	36"	2SB5-144-236	183
		42"	2SB3-144-242	120		42"	2SB4-144-242	154		42"	2SB5-144-242	185
		48"	2SB3-144-248	122		48"	2SB4-144-248	156		48"	2SB5-144-248	187

LOAD BEAMS • TABLE OF CAPACITY

CAPACITIES ARE BASED ON A UNIFORMLY DISTRIBUTED LOAD OVER A PAIR OF BEAMS

LENGTH OF BEAMS	CAPACITY PER PAIR OF BEAMS (LBS)		
	3" CHANNEL (2SB3)	4" CHANNEL (2SB4)	5" CHANNEL (2SB5)
48"	10,000	17,500	26,000
54"	8,800	15,500	23,000
60"	8,000	14,000	20,000
66"	7,250	12,500	18,000
72"	6,750	11,500	16,750
84"	5,750	10,000	15,750
96"	5,000	8,750	13,750
108"	4,300	7,750	12,250
120"	3,850	7,000	11,000
132"	3,350	6,100	10,000
144"	3,000	5,600	9,000

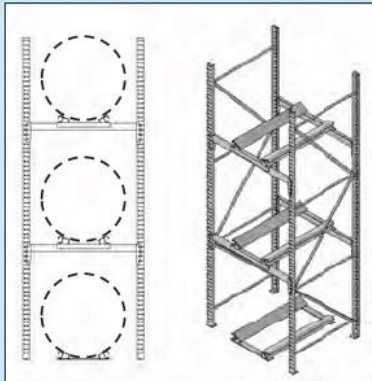
Special labeling requirements can be met at additional cost.

STRUCTURAL PALLET RACK ACCESSORIES

COIL CRADLES

10,000 lbs. capacity

- Coil Cradles not to exceed the capacity of the beam level
- Minimum of 6" lift off required
- Maximum diameter of coil not to exceed 48"
- Coil Cradle floor options available - add suffix "-FL" to model number



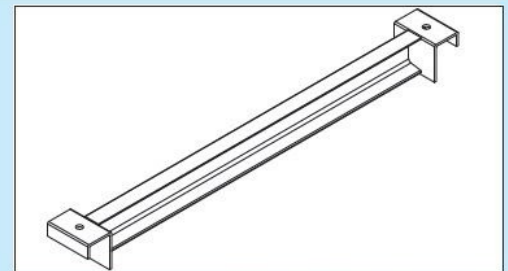
MODEL NO.	COIL DIAMETER	DEPTH	WIDTH	WEIGHT
CC36-22	30" - 36"	36"	22"	75 lbs
CC42-22		42"		86 lbs
CC48-22		48"		99 lbs
CC36-24	37" - 42"	36"	24"	76 lbs
CC42-24		42"		87 lbs
CC48-24		48"		100 lbs
CC36-25	43" - 48"	36"	25"	77 lbs
CC42-25		42"		88 lbs
CC48-25		48"		101 lbs



DROP-IN CROSS SUPPORTS

5,000 lbs. capacity

- Cross support placement can vary based on customer needs
- Capacity based on evenly distributed loads
- Total cross support load not to exceed the capacity of the beam level



USE WITH 3" BEAM

MODEL NO.	DEPTH	WEIGHT
SCS3-36	36"	12 lbs
SCS3-42	42"	14 lbs
SCS3-48	48"	16 lbs

USE WITH 4" BEAM

MODEL NO.	DEPTH	WEIGHT
SCS4-36	36"	12 lbs
SCS4-42	42"	14 lbs
SCS4-48	48"	16 lbs

USE WITH 5" BEAM

MODEL NO.	DEPTH	WEIGHT
SCS5-36	36"	12 lbs
SCS5-42	42"	14 lbs
SCS5-48	48"	16 lbs

STRUCTURAL POST PROTECTOR

Post protector anchored around frame leg

- Not a load bearing member
- Post protector should be offset from pallet rack frame

MODEL NO.	HEIGHT	WEIGHT
SPP3-12	12"	8 lbs
SPP3-18	18"	10 lbs
SPP3-24	24"	13 lbs
SPP4-12	12"	9 lbs
SPP4-18	18"	12 lbs
SPP4-24	24"	16 lbs

