

## Technical Specifications

### Technical Specifications For Heavy Duty Storage Racking System

- Height of the rack - 2700mm
- Horizontal beam length- 2300mm
- Depth of rack -900mm
- Number of level-three (Ground plus two level with panels)
- Capacity per level-2000 kgs
- Capacity per module-4000 kgs
- Quantity of Main modules - 1no's
- Quantity of Additional. Module-1 no's

#### UPRIGHT FRAME (VERTICAL) A. UPRIGHT CHANNEL

A.	UPRIGHT CHANNEL	:	Length-2700mm Section- 1.6mm thickness (9/10 Bend Sec)
	Quantity	a.	Main Module-1x2x2 = 4 No's b. Addl.Module-1x1x2 = 2 No's
B.	BASE PLATE	:	Section-3.15mm thickness
	Quantity	b.	Main Module~ 4 No's b. Addl.Module-2 No's
C.	ANCHOR BOLT	:	Length-100mm Section- M12x100
	Quantity	a.	Main Module-2x4 = 8 No's b. Addl.Module-2x2 = 4 No's
D.	HORIZONTAL BRACING	:	Length –According to 900mm depth Section: 30x30x1.6mm ‘C’ Quantity 2 No's. per frame
E.	DIAGONAL BRACING	:	Length-According to 900 mm depth Section- 30x30x1.6mm ‘C’.

Quantity 4 No's. per upright frame

### **HORIZONTAL BEAM**

- A. BEAM CHANNEL : Length-2300 mm  
Section-1.6mm Box Section  
Quantity a. Main Module-1x4 = 4 No's  
b. Addl.Module~1 x4 = 4 No's
- B. LOCKING PIN : Quantity-2 No's per beam
- C. PALLET : Size : 1000mm x 1100mm  
Two way open metal pallet with epoxy powder coated  
Quantity 2 Pallet per rack
- D. DECK SHEET IN STEEL . : Length-According to 900 mm depth  
Section- Epoxy powder coated 6 bend panel. It should cover entire length 2300mmx900mm without spacing  
Quantity a Main Module-1x2 = 2 No's  
b. Addl.Module-1x2 = 2 No's

**Material:** Material should be of high grade steel IS 5986 for Upright and IS 513D or equivalent for Decking Panel.

All the components shall be thoroughly pre-treated in 8 stage pre treatment process and all the components shall be painted with epoxy powder coating and film thickness of minimum 50 microns.

**Color:** Orange color for beam and base plate rest all components should be in blue color.