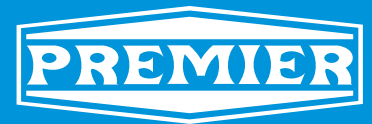


# KOTIBHASKAR MATERIAL HANDLING EQUIPMENTS



[www.kotibhaskar.in](http://www.kotibhaskar.in)

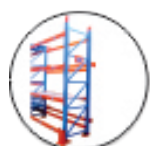
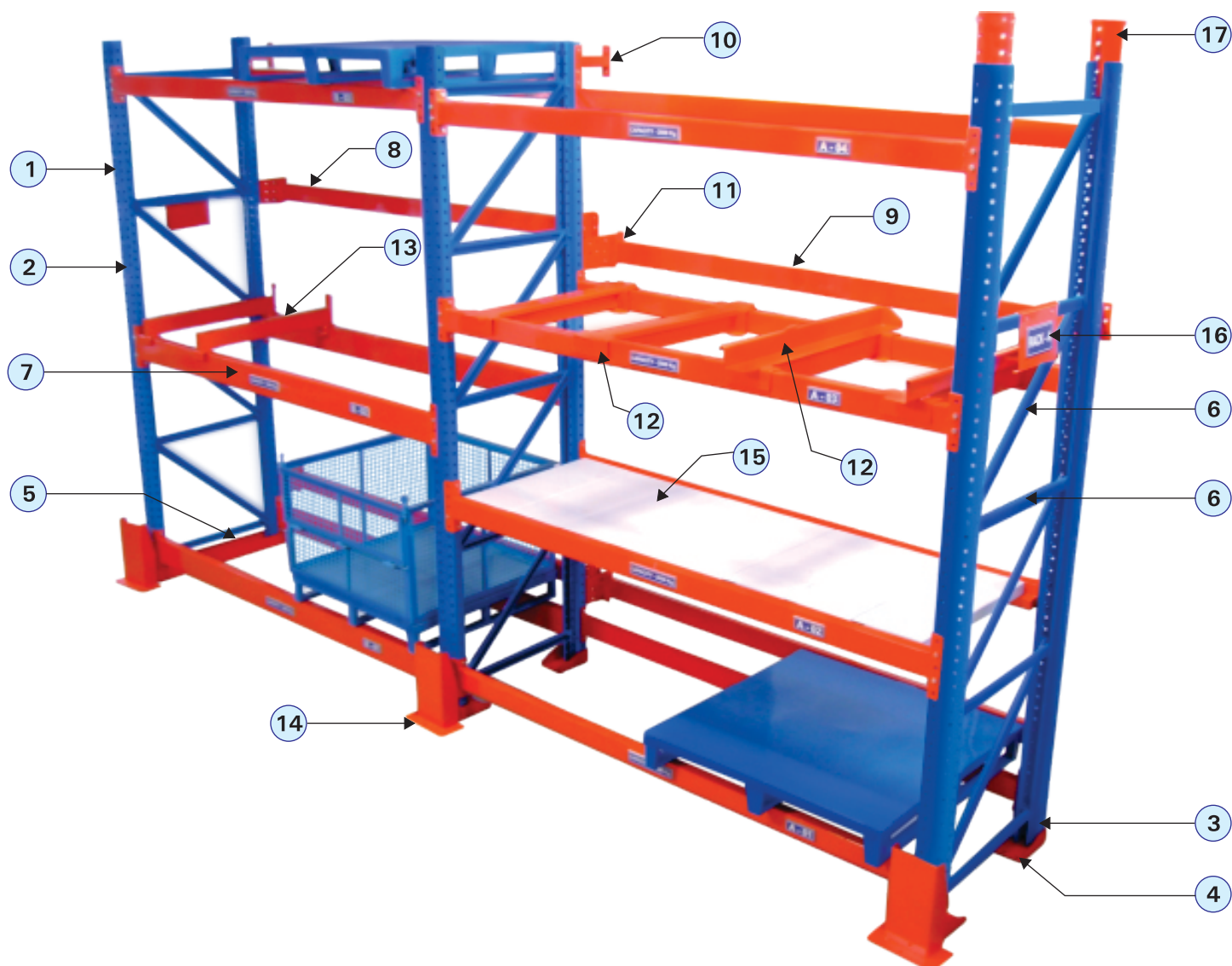


**INDUSTRIAL SHELVING**  
**2010 - D**

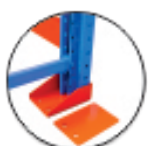
**REVOLUTION IN MATERIAL HANDLING**

## INDUSTRIAL SHELVING – HEAVY DUTY

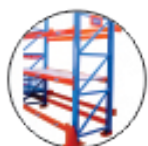
Capacity : 2000 to 3000 Kg per shelf.



1 Vertical Frames



4 Base Plate Shims Set



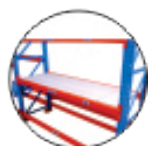
7 Horizontal Load Members



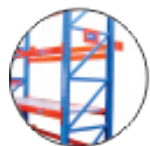
10 Wall Spacer / Wall Tie



12 Pallet Support Inclined type



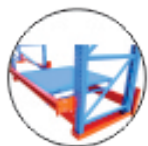
15 Decking Panel



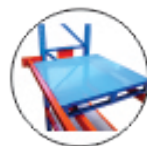
2 Uprights



5 Base Plate Load Spreader



8 Pallet Back Stop for Single Side Storage



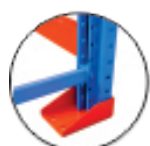
11 Frame Spacer for Double Side Storage



13 Box Riser



16 Name Plate



3 Base Plate



6 Horizontal & Diagonal Members



9 Pallet Back Stop for Double Side Storage



12 Pallet Support Straight type



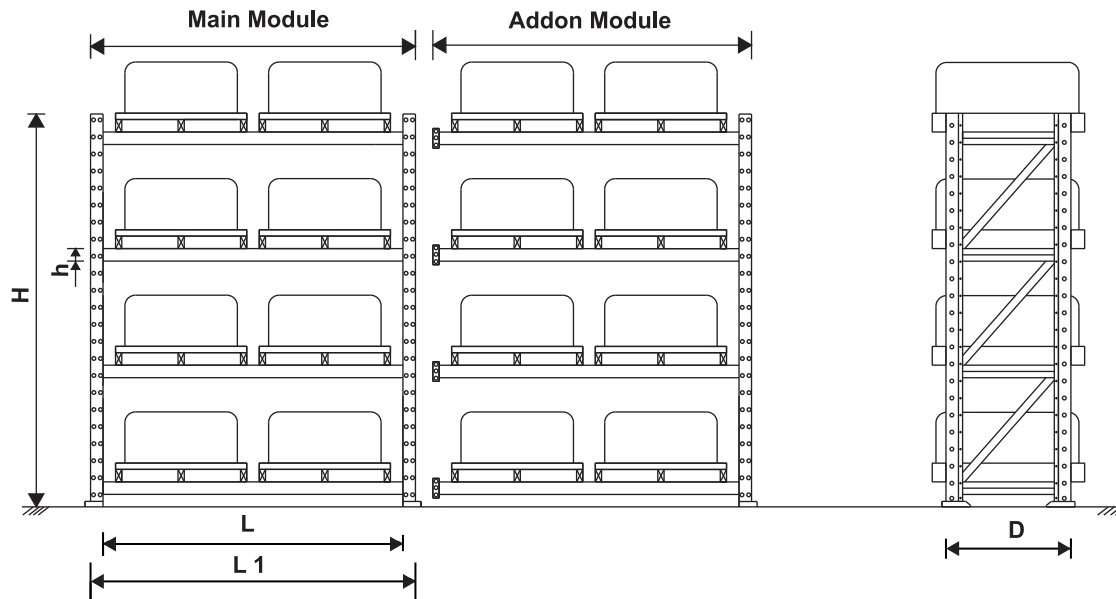
14 Column Guards U Type



17 Frame Extension Member

## INDUSTRIAL SHELVING – HEAVY DUTY

Capacity : 2000 to 3000 Kg per shelfe.



- Industrial Shelving – Heavy duty is commonly known as adjustable pallet storage system. This is the most popular and economical form of pallet storage providing safe storage upto 5 mtr height, fully utilizing vertical space.
- Since material is stored vertically it saves expensive shop floor space.
- As material is stored in systematic manner it helps in instant identification of material and reduces man hours and fatigue.
- Adjustable pallet storage system is highly versatile system & can be used to accommodate most industrial, commercial, retail storage requirements.
- Adjustable shelves allows to tailor the system to your specific requirements in short time and unrestricted access and ability to store variety of items.

MODEL	ISH – 20			ISH – 20		
	8 x 20	8 x 25	8 x 30	10 x 20	10 x 25	10 x 30
Load Capacity / Shelfe	2000 Kg	2000 Kg	2000 Kg	2000 Kg	2000 Kg	2000 Kg
Depth of Shelfe ( D mm )	800 mm	800 mm	800 mm	1000 mm	1000 mm	1000 mm
Length of Shelfe ( L mm )	2000 mm	2500 mm	3000 mm	2000 mm	2500 mm	3000 mm
Overall length of Rack ( L1 mm )	2250 mm	2750 mm	3250 mm	2250 mm	2750 mm	3250 mm
Horizontal load Member ( h x w mm )	125 x 50	150 x 50	175 x 50	125 x 50	150 x 50	175 x 50

MODEL	ISH – 30			ISH – 30		
	8 x 20	8 x 25	8 x 30	10 x 20	10 x 25	10 x 30
Load Capacity / Shelfe	3000 Kg	3000 Kg	3000 Kg	3000 Kg	3000 Kg	3000 Kg
Depth of Shelfe ( D mm )	800 mm	800 mm	800 mm	1000 mm	1000 mm	1000 mm
Length of Shelfe ( L mm )	2000 mm	2500 mm	3000 mm	2000 mm	2500 mm	3000 mm
Overall length of Rack ( L1 mm )	2250 mm	2750 mm	3250 mm	2250 mm	2750 mm	3250 mm
Horizontal load Member ( h x w mm )	125 x 50	150 x 50	175 x 50	125 x 50	150 x 50	175 x 50

- All models are available in four standard height - H-2500, H-3000, H-4000, H-5000 mm
- We also manufacture industrial shelving as per customer's requirements.

## INDUSTRIAL SHELVING – HEAVY DUTY

### Standard Accessories

#### 1) Vertical Frames

- Consists of two uprights bolted together with horizontal & diagonal members. Base plates are bolted to uprights with provision for anchor fastener to secure

#### 2) Uprights

- Uprights section is made from m. s. sheet bended with 8 fold section profile for heavy duty application. Uprights are provided with holes 50 mm pitch throughout its length allowing to position horizontal load members to tailor the system to your specific requirements. The 8 fold section profile provides structural rigidity & heavy load carrying capacity even for structure with high

#### 3) Base Plate

- Base plate is a single piece m. s. sheet bended to form C channel & is fitted to upright by bolts. Base plate is provided with holes for anchor fastener for securing upright to ground.

#### 4) Base Plate Shims Set

- Shims set consists of 3 plates, with variable thickness with holes for anchor fasteners. It ensures even, straight ground surface where shop floor is uneven & provides flat surface for uprights.

#### 5) Base Plate Load Spreader

- Base plate load spreader is a single piece m. s. sheet bended to form C channel is fitted to both uprights of vertical frame with bolts. It is provided with 2 holes on either side for anchor fastener for securing vertical frame to ground. Base plate load spreader spreads load pressure exerted by the vertical frame on to a larger ground area. It is extremely recommended for low

#### 6) Horizontal & Diagonal Members

- Horizontal & Diagonal Members are single piece m. s. sheet bended to form a C channel & are bolted to uprights to form a rigid vertical frame.

#### 7) Horizontal Load Members

- Horizontal Load Members are single piece m. s. sheet bended to form a C channel for strength & two such C channels are welded to form a box type horizontal load members. Angle is welded at both ends provided with holes to connect horizontal load members to vertical frame / uprights by bolts. Horizontal load member with special section with projected C channel on one

#### 8) Pallet Back Stop for Single Side Storage

- Pallet back stop prevents pallet from falling from back side of shelf & provides guide line of back location of pallet over horizontal load member.



## INDUSTRIAL SHELVING – HEAVY DUTY

### Standard Accessories

#### 9) Pallet Back Stop for Double Side Storage

- Pallet back stop prevents pallet from falling from back side of shelf & provides guide line of back location of pallet over horizontal load member. It also maintain

#### 10) Wall Spacer / Wall Tie

- Wall Spacer / Wall Tie clearly determines the distance of storage system from wall. It is recommended to use wall spacer / ties as it increases stability of storage system. One wall tie after every 1.5 mtr. upright height is necessary for stability of storage system.

#### 11) Frame Spacer for Double Side Storage System

- Frame Spacer is used to connect two frames together for double side storage system for stability. One frame spacer after every 1.5 mtr. upright height is

#### 12) Pallet Support – Straight type & Inclined type

- Pallet Supports are necessary where pallet depth is less than that of depth of shelf unit. In such condition pallet support is placed in proper position on horizontal load member & a pallet is kept on pallet support. Pallet Support is available in straight type & inclined type. Straight type Pallet Support is having plain surface without any side edges. Inclined type pallet

#### 13) Box Riser

- Wooden boxes, Containers, Bins etc. do not have legs at bottom & are not possible to store over storage system. In such conditions box risers are placed over horizontal load member & boxes are kept on box riser with bottom clearance for forks.

#### 14) Column Guards C Type

- C Type Column Guards are provided as protection to uprights in corner areas & traffic ways against fork lift impact.

#### 15) Decking Pannel

- These 300 mm wide steel panels are simply placed over special section of horizontal load member to form a decking pannel. Individual pannel is bolted

#### 16) Name Plate

- Name plate is provided with rack for identification.

#### 17) Frame Extension Member

- Frame Extension Member is used to connect two frames together for increased height of storage rack.

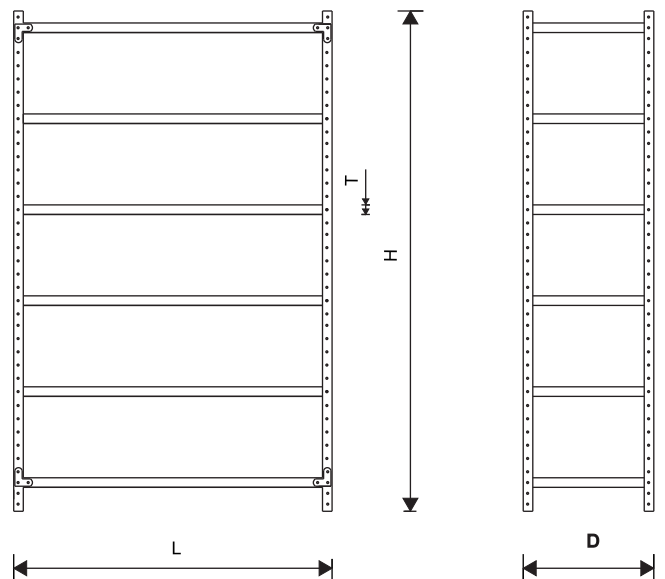


## INDUSTRIAL SHELVING – MEDIUM DUTY

Capacity : 100 to 150 Kg per shelf.



- A highly versatile shelving system can be used to accommodate most industrial, commercial and retail storage requirements. An extremely robust construction joined together with nut bolts, designed for medium duty storage, most ideal for industrial applications.
- Shelves are easily adjustable allowing unrestricted access and ability to store various items. Thicker corner plates at each joint increases the racking strength required for heavy industrial applications.
- Shelves are provided with bottom reinforcement



## INDUSTRIAL SHELVING – MEDIUM DUTY

Capacity : 100 to 150 Kg per shelf.

MODEL	ISM			ISM		
	300 x 1.6	450 x 1.6	600 x 1.6	300 x 2.5	450 x 2.5	600 x 2.5
Load Capacity / Shelf	100 Kg	100 Kg	100 Kg	150 Kg	150 Kg	150 Kg
Depth of Shelf ( D mm )	300 mm	450 mm	600 mm	300 mm	450 mm	600 mm
Length of Shelf ( L mm )	1250 mm	1250 mm	1250 mm	1250 mm	1250 mm	1250 mm
Bend Height of Shelf ( T mm )	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm
Sheet Thickness for Shelf	1.6 mm	1.6 mm	1.6 mm	2.5 mm	2.5 mm	2.5 mm
Vertical member Angle Size	37 X 37 X 3	37 X 37 X 3	37 X 37 X 3	37 X 37 X 3	37 X 37 X 3	37 X 37 X 3

- All models are available in three standard height H-1500, H-2000, H-2500 mm
- We also manufacture industrial shelving as per customer's requirements.



Industrial Shelving



Side & Back Cladding  
with m. s. sheet



Side & Back Cladding  
with wire mesh



Side & Back Arrester



## Our Product Range

**HYDRAULIC PALLET TRUCK**  
Capacity : 2500 Kg.



**HYDRAULIC STACKER**  
Capacity : 500 & 1000 Kg.



**STRADDLE STACKER**  
Capacity : 500 & 1000 Kg.



**HYDRAULIC DRUM TILTER**  
Capacity : 300 Kg.



**COUNTER BALANCED DRUM LIFTER** Capacity : 300 Kg.



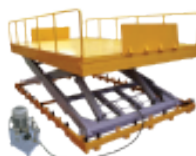
**HYDRAULIC FLOOR CRANE**  
Capacity : 500 & 1000 Kg.



**JIB CRANE**  
Capacity : 500 to 3000 Kg.



**HYDRAULIC SCISSOR LIFT**  
Custom Build



**MULTIPLE SCISSOR LIFT**  
With Side Support



**FOUR CHANNEL GOODS LIFT**  
Capacity : 500 to 3000 Kg.



**HYDRAULIC DOCK LEVELER**  
Capacity : 5000 to 9000 Kg.



**GRAVITY ROLLER CONVEYOR**  
Capacity : 50 to 600 Kg. / Mtr.



**INCLINED BELT CONVEYOR**  
Capacity : 50 to 300 Kg. / Mtr.



**BATTERY PLATFORM TRUCK**  
Capacity : 2000 to 3000 Kg.



**FURNACE CHARGING RAIL TROLLEY** Capacity : 1000 Kg.



**WORKSHOP TROLLEY**



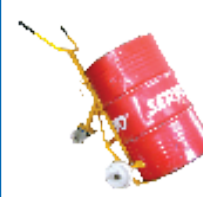
**SACK / MULTIUTILITY TROLLEY**



**GAS CYLINDER TROLLEY**



**DRUM TROLLEY**



**DOUBLE WHEEL BARROW**



**CHIP TROLLEY**



**CNC TOOL TROLLEY**



**WORK TABLE**



**INDUSTRIAL STEEL PALLETS**



**BIN TROLLEY**



The Manufacturer and Exporter

## KOTIBHASKAR MATERIAL HANDLING EQUIPMENTS

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