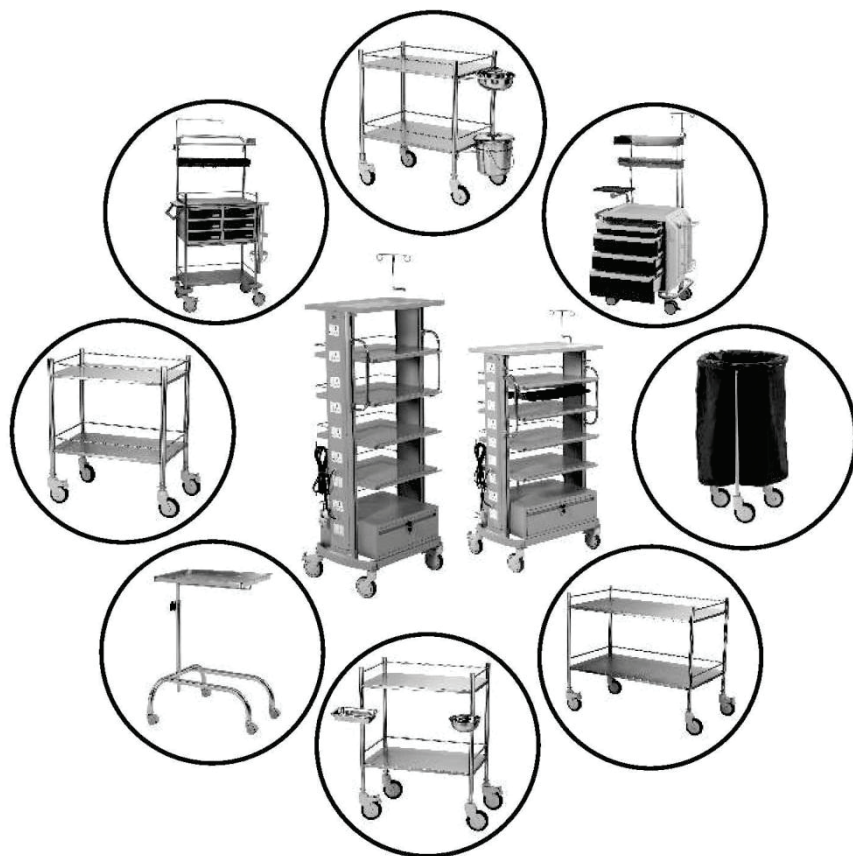


MIDMARK®

JANAK®  
Because we care.



**TROLLEYS - FOR UTILITIES**

**User's Manual**

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## INTRODUCTION

### About this User Manual

This User Manual contains instructions for the proper and safe use of Trolleys - for Utilities, which has to be strictly followed.

This User Manual has to be read and followed by every person using or handling these Trolleys. In case of any query, kindly contact Midmark India Pvt. Ltd.

### About these Product's

Instrument & Dressing Trolleys are used to carry Surgical Instruments and other disposable items required for medical / surgical use, by medical / paramedical / hospital personnel to help and support them in diagnosis, prevention, monitoring, treatment or alleviation of the disease.

Mayo's Table is used to hold sterile instruments, etc. required during surgery or operation.

Soiled Linen Trolley is mainly used inside and outside Operation Theatre to collect the soiled & used linen e.g. handgloves, mask, apron, etc. from the Users.

Stainless Steel Bowl in Instrument & Dressing trolleys are used to store antiseptic fluids or warm water required for dressing. The tray is used to hold sterile instruments or bandages required for dressing. The bucket is used for disposable items like used cotton, gauze bandages, needles, etc.

Crash Cart is used to store and retrieve medicines and other necessary medical instruments / equipments for attending to any type of emergency treatment.

Monitor Trolleys have different layers of height adjustable shelves which are used to store / hold Display Monitors, Cameras, VCD, Printers, Cortis, Light Source, etc. It has a drawer with lock for storing valuable equipments. It also has a Tube hanger and Camera Holder for hanging different types of laparoscopic instruments and Cameras respectively.

The Trolleys are manufactured and supplied in non-sterile condition for use in normal hospital environment.

These are medical furniture not to be used for transfer of patients.

### Trolley Features

- **1625, 1625A, 1625B** - Please refer product catalogue **OTS-C** for salient features of these products
- **1067, 1068, 1624** - Please refer product catalogue **OTS-D** for salient features of these products
- **1632, 1064** - Please refer product catalogue **OTS-F** for salient features of these products
- **9003/9004** - Please refer product catalogue **0104A-9003/9004A** for salient features of these products
- **9012, 9004A** - Please refer product catalogue **OTS-B** for salient features of these products

### Technical Data

- **1625, 1625A, 1625B** - Please refer product catalogue **OTS-C** for Technical Data of these products
- **1067, 1068, 1624** - Please refer product catalogue **OTS-D** for Technical Data of these products
- **1632, 1064** - Please refer product catalogue **OTS-F** for Technical Data of these products
- **9003/9004** - Please refer product catalogue **0104A-9003/9004A** for Technical Data of these products
- **9012, 9004A** - Please refer product catalogue **OTS-B** for Technical Data of these products

Trolleys for Utilities - Variants

1624 / 1625 / 1625A / 1625B / 1067 / 1068 / 1064 / 1632 / 9003 / 9004A / 9012 / 9014





1064



1632



9003



9004A



9012



9014

## DEFINITIONS

### Operator

Operator is the person appointed by the owner (i.e. clinic, hospital management, etc.) who will be responsible for the safe operation of these Trolleys.

### User

User is a person who is capable of assessing clinical condition of patient e.g. specialist medical personnel, doctors, nursing staff, attendants etc. On the basis of their training experience or through the instructions, they are entitled to use these Trolleys on their own responsibility or to carry out work on it and are able to recognize and control possible risks to the patient as well as the Trolleys.

### Patient

The patient is a person who is ill, infirm, disabled or in need of medical assistance.

## SAFETY

In this User Manual the following safety symbols are used



**Danger:** This symbol will appear wherever safety instructions are designed to protect people from physical harm. The symbol stands for imminent danger of death or serious injury.



**Caution:** This symbol will appear where situations are described, which might be dangerous, and which might inflict slight injuries.



**Electrical Hazard:** This symbol will appear where situations are described, which might be dangerous and which might inflict slight injuries.



**Advice:** This symbol will appear in front of additional helpful pieces of advice.

- A dot in front of the text implies the action that is required to be taken.

### Safety Instructions

- Always use original accessories that have been designed and approved for use with the Trolley
- Ensure that the Trolley is assembled and installed in accordance with the instructions given in this User Manual (wherever required)
- Restrict child visitors without proper attendants. Supervision is necessary to avoid any mishap due to unintended movement of the Trolley
- Persons with reduced physical or mental abilities & children must not be allowed to operate the Trolley without proper supervision
- These Trolleys are not intended for storing and transportation of bulk material and patients
- Accessories or any devices used along with the Trolley should be as per its intended use specified and approved by Midmark India Pvt. Ltd.

- Ensure that the Trolley is moved on a smooth stepless floor without any obstructions in its path, to prevent any inconvenience to User and damage to the Trolley
- Keep some gap between walls and Trolley while in stationary position and also while moving from one place to another
- Keep the User Manual handy with the Operator / User for ready reference

### ELECTRICAL SPECIFICATIONS

Main power supply	Nominal 230 V AC
Frequency	50Hz +/- 5Hz
Main Fuse	2A Fast blow for mains (external)

### ENVIRONMENTAL SPECIFICATIONS

#### Usage, Storage and Transport

Temperature	-10°C to 50°C
Relative Humidity	0% to 95% non condensing
Atmospheric Pressure	800 to 1060 hPa
Altitude	< 2000m

### 1624 / 1625 / 1625A / 1625B / 1067 / 1068

### INSTALLATION

1. Unpack all the components carefully.
2. If the packing is drenched by rain, water or other liquids, inform this matter to the operator.
3. Each Trolley is supplied with the following components as per packing list:

Stainless Steel Tubular Frame with Castors	- 2 Nos.
Stainless Steel Shelves	- 2 Nos.
Stainless Steel Support Tube	- 4 Nos.
Stainless Steel Railing Rod (For 1624, 1067, 1068)	- 4 Nos.
Stainless Steel Railing Rod (For 1625, 1625A, 1625B)	- 4 Nos.
S.S. Bowl Holder with S.S. Bowl (For 1067, 1624)	- 1 Set
S.S. Bucket Holder with S.S. Bucket and Lid (For 1067)	- 1 Set
S.S. Tray Holder with S.S. Tray (For 1624)	- 1 Set
Hardware	- 1 Packet



Notify if any damage has occurred during transportation either to the authorized agent or directly to Midmark India Pvt. Ltd.



Installation of the Trolley should be done only by Midmark trained technicians.

4. Place both the Tubular Frame on flat surface.
5. Insert the Support Tube in the sleeves, and insert the Railing Rods in the holes provided in the Tubular Frames.
6. Upright the Trolley on its Castors and screw both the Shelves to the Support Tubes, using screw provided.
7. Fix the Bowl / Bucket / Tray Holders (product Specific) in the sleeves provided in the Tubular Frame. Lock the holder with Cotter pin provided. Place the Bowl / Bucket / Tray (product Specific) in their respective holders.

## 1064 / 1632

### INSTALLATION

1. Comes in ready to use condition from the factory.
2. Insert the Soiled Linen Canvas Bag (For 1064) inside the Tubular Frame.
3. Fix the Top Tray (for 1632) at the desired position and secure in place with the knob.

### Operation - 1624 / 1625 / 1625A / 1625B / 1067 / 1068 / 1064 / 1632

- Before putting the Trolleys into use for the first time ensure that all the transport securing devices and packing film are removed
- Clean and disinfect the Trolley prior to the first time use and subsequent use
- The Trolley should be used on a flat floor
- The force required to move the Trolley from one place to another with / without equipment and material, may vary depending on the flooring conditions

## 9003

### INSTALLATION

1. Unpack all the components carefully.
2. If the packing is drenched by rain, water or other liquids, inform this matter to the operator.
3. Each Crash Cart is supplied with the following components as per packing list:

Stainless Steel Tubular Frame with Castors	- 2 Nos.
Stainless Steel Shelves	- 2 Nos.
Stainless Steel Support Tube	- 3 Nos.
Stainless Steel Railing Rod	- 4 Nos.
Handle	- 1 No.
Cylinder Holder	- 1 No.



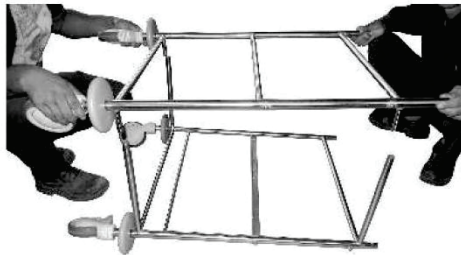
Cardiac Massage Board	- 1 No.
Vertical Frame	- 1 No.
Plywood Panel	- 1 No.
Saline Rod (L-Type)	- 1 No.
Cylinder Cage Holder Flat	- 2 Nos.
Star Knob	- 1 No.
Polystyrene Unit with Keys	- 2 Nos.
Containers all (Small, Medium and Big size)	- 13 Nos.
PVC Bins	- 6 Nos.
Hardware	- 1 Packet



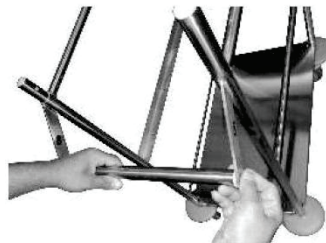
Notify if any damage has occurred during transportation either to the authorized agent or directly to Midmark India Pvt. Ltd.



Installation of the Crash Cart should be done only by Janak trained technicians.



Assemble the tubes and prepare the skeleton



Place the bottom tray, lock the skeleton with the brown powder coated flats and fix the main handle.



Fit the set of storage units



Fix the MDF and S.S. Top Shelf in place



Fix the frame for removable bins and place the bins in position



Fix the I.V. Rod in its specified location



Slide the cardiac massage board in its specified location



Put the oxygen cylinder cage in its location



Dispose the packing material waste in accordance with the local waste disposal regulations prevailing.

### Operation

- S.S. Saline Rod (L-Type) can be adjusted with help of knob provided
- Cardiac Massage Board can be pulled out for providing CPR
- Oxygen cylinder can be placed in the Cylinder Cage provided on right hand side by swinging the cylinder holder open
- Six removable Bins and Two polystyrene lockable storage units (with three drawers in each, and having containers of different sizes) are provided to store emergency medicines and equipments
- Upper Shelf provided for placing Monitors and Lower Shelf provided for placing heavy equipment e.g. Suction pump, etc.

9004A

### INSTALLATION

1. Unpack all the components carefully.
2. If the packing is drenched by rain, water or other liquids, inform this matter to the operator.
3. Each Crash Cart is supplied with the following components as per packing list :

Stainless Steel Support Tube	- 2 Nos.
Handle	- 1 No.
Stainless Steel Shelves	- 2 Nos.
Stainless Steel Support Tube	- 3 Nos.
Cylinder Holder	- 1 No.
Cardiac Massage Board	- 1 No.
Stainless Steel Railing Rod	- 4 Nos
Lower Bin Ms	- 1 No.
Upper Bin Ms	- 1 No.
Catheter Holder	- 2 Nos.
Scissor Holder	- 1 No.
Lockable Upper ABS Tray (with Partition)	- 1 No.
Lockable Middle ABS Tray (with Partition)	- 2 Nos.
Lockable Lower ABS Tray (withpartition)	- 1 No.
Hardware	- 1 Packet



Notify if any damage has occurred during transportation either to the authorized agent or directly to Midmark India Pvt. Ltd.



Installation of the Crash Cart should be done only by Midmark trained technicians.



Mount the Catheter Holder



Mount the Oxygen  
Cylinder Cage



Slide the cardiac massage  
board in its specified location



1. Fix the S.S. Tube at its specified location (Backwards)
2. Fix the S.S. pin horizontally as shown above
3. Put the defib tray and tighten them with star knob



Fix the frame for removable bins and place the bins in position



Dispose the packing material waste in accordance with the local waste disposal regulations prevailing.

## Operation

- S.S. Saline Rod can be adjusted with help of knob provided
- Cardiac Massage Board can be pulled out for providing CPR
- Oxygen cylinder can be placed in the Cylinder Cage provided on right hand side by swinging the cylinder holder open
- Six removable Bins and four ABS lockable storage units (with partition) are provided to store emergency medicines and equipments
- Upper Shelf provided for placing Monitors and Lower Shelf provided for placing heavy equipment e.g. Suction pump
- Defib tray provided for placing defiliator machine
- Upper and lower MS bin are provided on left hand side for placing documents, files and waste, etc.
- Scissor holder provided for placing scissor
- Catheter holder provided for placing catheter tube

## 9012 / 9014

### Electrical Safety Points

When the Monitor Trolley is connected to 230V / 15A (or as per country specific) main supply -

- Connecting more than one plug to the three pin mains socket can cause electrical overload and damage the sockets
- AC power supply exceeding 230V or sudden spikes or lack of proper earthing can be hazardous to User / Patient, as well as can cause damage to the Monitor Trolley and property
- Ensure stabilized and properly earthed input power supply for the equipment through a qualified electrician. Also, ensure polarity of the mains socket is as per Standard and matches with the mains plug
- Inspect all the wires and cables for any cuts, cracks, damages at regular intervals

### Installation

1. Unpack all the components carefully.
2. If the packing is drenched by rain, water or other liquids, inform this matter to the operator.
3. Each Monitor Trolley is supplied with the following components as per packing list :

Monitor Trolley Assembly with Cabinet, Shelves, Railings and Handle	- 1 No.
Oxygen Cylinder Cage with Twin Wheel Castors	- 1 No.
I.V. Rod with Bracket	- 1 No.

4. Fix the Oxygen Cylinder Cage to oval support tube with hardware provided.
5. Adjust the handle to desired height by inserting nut in the slot provided in Vertical column.
6. Shelves can be adjusted to desired height as per User convenience.
7. Insert the I.V. Rod bracket provided in the Vertical Column.

### Operation

- Each Trolley is provided with one Shelf fixed at Top and four adjustable shelves
- One Drawer is provided at the bottom with lock & Key facility
- Against one input power supply, six nos. 15A / 230V three pin output sockets with Power On / Off switch and indicator are available to connect the various equipments kept on the upper shelves
- Against second input power supply, one no. 15A / 230V three pin output socket with Power On / Off switch and indicator is available to have direct input connection for critical equipments kept on the bottom shelf or drawer top
- Both Input Power Supply have their own Safety Fuse and On / Off Switch
- Two Stainless Steel Push Handles are provided for easy movement of the Trolley on its Castors
- Refer the Product Catalogue **OTS-B**, for optional accessories available and compatible with this Trolley



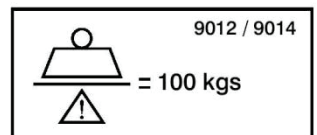
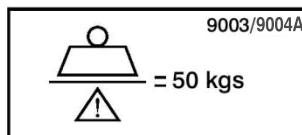
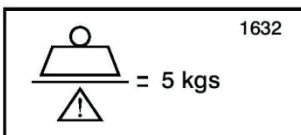
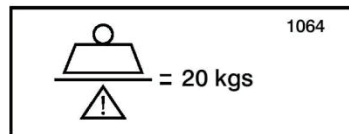
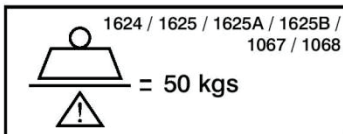
Do not stretch / extend the power supply cord from its plug.

After cleaning, ensure that the Trolley is always dry before use.



With due consideration to environmental limitations, materials used to make the device are not affected by contact with any bio-chemicals or bio-waste. When used as per its intended purpose, all materials used in the product and accessories do not facilitate any breeding or growth of bio-contaminants on their own.

### Load Bearing Capacity of Trolleys



## Maintenance & Cleaning

### Maintenance

#### Each time before putting the Trolley into service the user must check that -

- Lubrication of all the mechanical joints / pins / moving parts / tightening of the bolts are done properly, to avoid unnecessary play, sound and wear & tear of the Trolley
- Visual inspection for any mechanical damage (e.g. loose / missing rivets, screws, etc.)
- If any damage or malfunction is observed, immediately report this matter to the operator
- If the Trolley is not in use, it should be stored in a dry and rodent free indoor environment on a flat surface with gradient not more than 5 degrees
- If the Trolley is not in use for long term, it is necessary to conduct a test to check for functioning and any mechanical damage that may have been caused
- Depending on the usage, certain moving parts may require replacement due to wear & tear. We recommend timely replacement with original spares for safety and trouble free operation

### Cleaning & Disinfecting

- The Trolley is not suitable for machine wash or steam cleaning
- Do not use water jet for cleaning
- The Trolley cannot tolerate the influence of strong solvent, basic or alkaline liquids & caustic agents
- The cleaning agents must not contain any substances which bring about any change in the structure or adhesive property of the plastic
- The Trolley should be properly cleaned and disinfected at regular intervals to avoid infection and stains. Immobilize the Trolley & remove all the detachable accessories and components before cleaning
- We recommend use of approved disinfectant and cleaning agents to clean the Trolley. Take extra care to clean areas that may trap dust or dirt. All detachable accessories and its component can be cleaned separately



Do not expose the Trolley to excessive moisture as corrosion may cause personal injury or equipment damage.

### Disposal:



Product and its defective parts especially elements made of plastic, steel rubber and electrical material should be disposed off in accordance with the statutory rules and regulations prevailing for such disposal. The user is advised to contact Midmark India Pvt. Ltd. for further assistance.

**Routine Inspection Check List: Inspection By The User**  
 (Recommended Frequency: Every new allotment)

Checks	Observation	OK	Not OK	Description of faults
<b>Visual check of the mechanical components</b>				
Main Frame	Damage, Deformation			
Screws and Rivets are tightened	Missing / Loose			
<b>Performance check of all mechanical components</b>				
Electrical Sockets and Mains Cable	Cracks, Loose Connection, Earthing, Damage			
Castors	Locking, Release Remove Cotton Thread, Hair etc. from Axle			
Accessories (Product Specific)	Fastening, Damage, Missing			
Sign	Result of Inspection		Date	



### Trouble Shooting Guide

<b>Problem</b>	<b>Possible Causes</b>	<b>Remedy</b>
No power supply in Input / Output Socket (9012/9014)	No power supply from source, On / Off Switch Faulty, Fuse Blown, Open Cable	Check Main Power Source, Replace Defective Component
Castors	No Braking, No Movement, Broken	Repair / Replace Castors



## WARRANTY & SERVICE

Midmark India Pvt. Ltd., warrants, solely to the end users of this product that for a period specified in the warranty certificate, such product shall perform as per its intended use. The foregoing warranties shall not apply if the product has been subjected to: (a) physical abuse, misuse, abnormal use, or use not consistent with Midmark India Pvt. Ltd.'s published directions, (b) any modification by anyone other than Midmark India Pvt. Ltd. or third parties designated by Midmark India Pvt. Ltd.; Or (c) fraud, tampering, negligence or accidents, depending upon the nature of the products.

**Limitation Of Liability:** In no event shall Midmark India Pvt. Ltd., be liable or obligated to the end user in any manner for any special, non-compensatory, consequential, indirect, incidental, statutory or punitive damages of any kind, including, without limitation, for injury or loss of life, lost profits, lost sales, lost revenue, loss of any software or data, or loss of use of any hardware, software or data, regardless of the form of action, whether in contract, tort, negligence, strict product liability, or otherwise, even if Midmark India Pvt. Ltd., has been informed of or is aware of the possibility of any such damages in advance. Midmark India Pvt. Ltd.'s total aggregate liability under this agreement and in relation to anything which Midmark India Pvt. Ltd., has done or not done in connection with this agreement shall be limited to the price of the products purchased and paid for by the end user during the period in which such liability arises. The limitations set forth above shall be deemed to apply to the maximum extent permitted by applicable law and notwithstanding the failure of the essential purpose of any limited remedies.

In order to maintain functional safety and right to claim under the warranty only original replacements parts may be used. For ordering replacement parts, customer service request and further question, please contact our technical support department.

## DISCLAIMER

Every effort has been made to ensure that the information in this user manual is valid. Midmark India Pvt. Ltd., reserves the right to change the information in this document without prior notice.

## MANUFACTURER'S ADDRESS

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