SKYTRON®
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3KC24
3KCP36
3KCP48

KINEO CART - INSTRUCTIONS FOR USE

Intended Use

Ergon 3 Kineo carts add flexibility in storage and supply to booms and can be outfitted with a variety of storage or media accessories. These wheeled carts fit securely into the docking adapter that is pre-installed on the bottom of the boom carrier (or SkyLink on a lightweight boom), and can be rapidly released and rolled to another location or secured to another approved carrier.

- The 3KCP36 and 3KCP48 carts can plug into a 20 Amp receptacle, powering up to four (4) electrical outlets on the cart for screens or other electronic equipment (Figure 1).
- The 3KC24 cart is compact for convenient mobile storage (Figure 2).

Specifications

a. Dimensions

Kineo carts are offered in three heights:

Cart Height	Product Number
24"	3KC24
36"	3KCP36
48"	3KCP48

b. Weight / Capacities

Below are the maximum load specifications for carts 3KC24, 3KCP36, and 3KCP48, and their shelving accessories:

	3KC24	3KCP36	3KCP48
Max. Total Cart Load	110 lbs 50 kg	385 lbs 175 kg	385 lbs 175 kg
Max Load per Shelf	48 lbs 22 kg	77 lbs 35 kg	77 lbs 35 kg
Max. Load per Shelf with Drawer	26 lbs 12 kg	55 lbs 25 kg	55 lbs 25 kg
Max. Load in Single Drawer	22 lbs 10 kg	22 lbs 10 kg	22 lbs 10 kg
Max. Load Bottom Plate	62 lbs 28 kg	62 lbs 28 kg	62 lbs 28 kg

Always distribute weight evenly. Place equipment in the center of the shelf to ensure even weight distribution. DO NOT place all the load on one shelf.

Avoid top-heavy configurations, particularly with the taller model (3KCP48). If the cart is carrying only one piece of equipment on the top shelf, lower the top shelf 8" [20 cm] from the top position.

Use retainer straps to secure equipment to the carts.

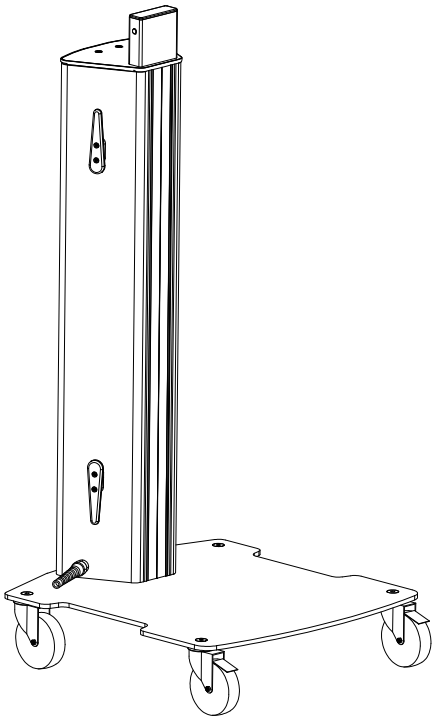


Figure 1. Premium Kineo Cart (3KCP36 & 3KCP48)

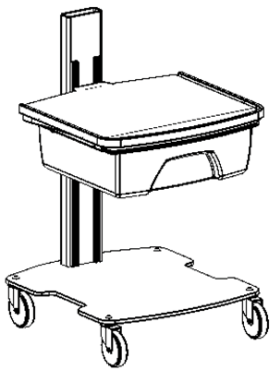
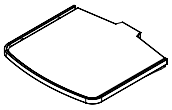
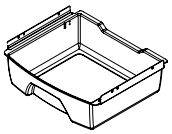
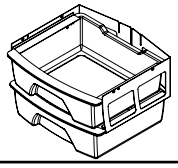
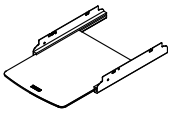
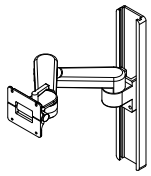
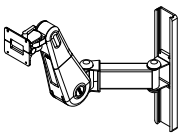


Figure 2. 24" Kineo Cart (3KC24)

c. Accessories

The Kineo carts can be outfitted with a variety of accessories to facilitate storage and media needs.

Sample of Approved Accessories	
	22" Shelf Part No. 3PMSH
	Single Plastic Drawer Part No. H8-300-20-A
	Dual Plastic Drawer Part No. H8-300-21-A
	Pullout Keyboard Part No. H8-300-26-A
	Flatscreen Mount for Carriers Part No. H8-200-15
	Height Adjustable Flatscreen Mount for Carriers Part No. H8-200-16

Installation

A Kineo cart includes a top coupling component which fits into a docking adapter. The cart is held in place by a steel docking lever. Before the Kineo cart can be coupled with the boom, the boom must first be positioned so there is enough space around the carrier for the cart, and so the docking adapter has enough vertical overlap to hold the coupling component.

a. Position the Ergon 3 Boom for Docking

1. Move the upper boom arm to a 90° angle relative to the lower arm.

2. Move the lower boom arm to the desired position.

3. Position the boom carrier so the top coupling can fit into the docking adapter. If the boom includes a height-adjustable arm, position the carrier vertically so it can fit the coupling with enough vertical overlap.

NOTICE

Arms should be positioned so they do not interfere with other equipment.

When the boom is not in use, park it out of the way to maximize work space.

b. Dock the Kineo Cart to the Ergon Boom

1. Place the cart in front of the boom carrier and open the docking lever.

2. Move the cart until the top coupling is in the docking adapter, then lower the docking lever to secure the cart (Figure 3).

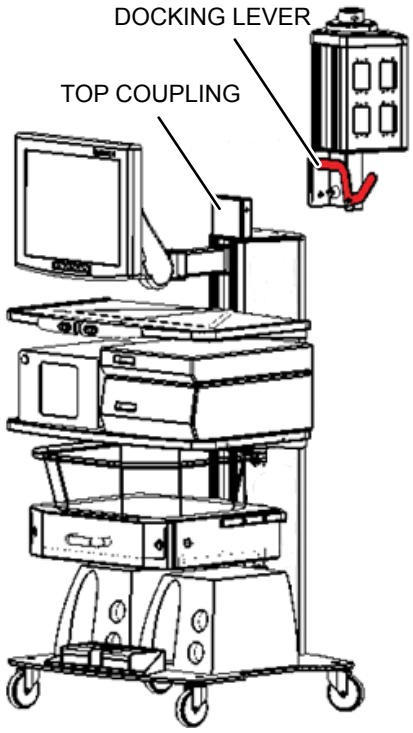


Figure 3. Docking Lever and Top Coupling

c. Supply Power to the Kineo Cart

WARNING

To ensure patient safety, DO NOT connect an additional multiple socket outlet or extension cord to the system.

To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth ground.

For 3KCP36 and 3KCP48 only: Plug the power cord into a properly grounded, circuit protected electrical outlet. DO NOT use a 3P-2P conversion adapter when inserting the plug into an outlet.

NOTICE

The power cord is the mains power supply. Unplug cord to disconnect power to the fixture. DO NOT position the Kineo cart where it makes it difficult to detach the power cord.

d. Detach the Kineo Cart from the Boom

1. Unplug the Kineo cart if power is supplied.
2. Open the docking lever and move the cart away from the docking adapter.

e. Install Shelves and Accessories

Mounting channels on Kineo carts 3KCP36 and 3KCP48 are integrated into the column and frame. The service column has two (2) mounting channels at the back side and two (2) at the front. On the smaller model (3KC24) the channels are integrated into the column. Accessories are designed to attach to these mounting channels. Use the following procedure to install a simple accessory to a Kineo cart.

1. Install a spring nut into the mounting channel by inserting it at an angle and firmly pressing it into place (Figure 4).
2. Assemble the accessory to the carrier by threading an M6 bolt through the accessory and into the spring nut.

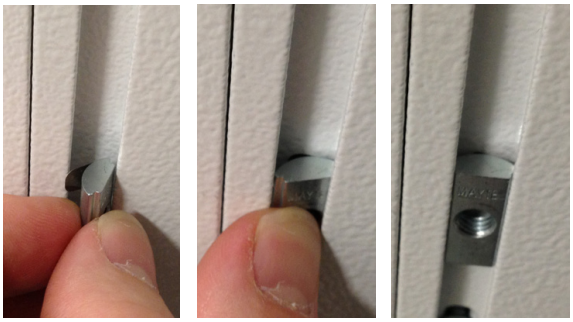


Figure 4. Install Spring Nuts

3. Position the accessory up or down on the carrier by sliding it up or down in the mounting channel.
4. Tighten the M6 bolt to secure the accessory in place on the carrier.

Positioning the Kineo Cark

CAUTION

Push the cart to move the boom. DO NOT push the boom to move the cart as it could damage the docking adapter and docking lever.

Exercise caution when moving the cart to avoid obstacles such as power cords or other items that may be in the path. DO NOT transport over rugged or unstable flooring as the casters may become damaged.

Once a Kineo cart is coupled with a boom, the two (2) will move together.

Cleaning and Disinfecting

It is good practice to maintain the appearance and function of your Kineo cart by the means of daily cleaning practices. Moving parts and their respective finishes will perform optimally when they are routinely cleaned and dirt or corrosion are removed routinely to avoid build up which may restrict articulation and prohibit ease of movement.

⚠ WARNING

To avoid personal injury, DO NOT attempt to clean boom components with electrical power supplied through them unless the power is turned off at the source.

CAUTION

DO NOT use steam, extremely hot water (over 150°F), or high pressure water sprays to clean the equipment. DO NOT pour any liquids or spray cleaning agents directly on the fixture.

Use of incompatible cleaning agents will cause damage such as; staining, pitting, and discoloration. Avoid the use of cleaning solutions which contain high concentrations of alcohol, ethylene glycol, phenol, iodophors, or glutaraldehyde based disinfectants.

- Always consult with the manufacturer of a cleaning agent for proper application and use. Always spot test on an inconspicuous area before use.
- Avoid using excessive amounts of spray cleaners. Leakage of fluids into the interior of the fixture may cause corrosion of electrical components (if applicable).

a. General Cleaning Instructions

- ***Painted Surfaces:*** Wipe exterior painted surfaces with a cloth dampened with a mild cleaning agent and dried with a soft, lint-free cloth. DO NOT use harsh cleaners on painted surfaces.
- ***Stains:*** Most stains can be prevented by immediately removing the liquid or substance.
- ***Rubber and Plastic Components:*** Clean rubber moldings, grips, covers, and plastic handles with a mild soap and water solution. Rinse with clear water and dry with a soft, lint-free cloth.

b. Disinfecting Instructions

Ensure the power has been turned off to the boom. Only use disinfectant products that are certified from the manufacturer for compatibility with the following materials:

- Polycarbonate (PC)
- Silicones
- Stainless Steel

Always consult with the manufacturer of the disinfectant product for proper application and use. Always spot test on an inconspicuous area before use.

The following disinfectant products have been shown to be suitable for use on SKYTRON® Aurora Series OR lights:

In Between Case Disinfection

Country	Product	Registration
United States	Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes	EPA #67619-25
Canada	Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes	DIN #02401983

Special Precautions or Terminal Cleaning

Country	Product	Registration
United States	Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes	EPA #67619-25
Canada	Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes	DIN #02401983

In Between Case Disinfection:

1. Clean all areas where gross debris is evident. Surfaces should be wiped with a disinfecting agent on a wipe in accordance with the manufacturer's instructions.

2. After the disinfecting agent has been allowed the required contact time, wipe the surface with a wipe containing clear water to remove residue and prevent staining.

Special Precaution Case Disinfection / Daily Terminal Cleaning:

1. Clean all areas where gross debris is evident. Surfaces should be wiped with a disinfecting agent containing a 1:10 dilution of bleach solution applied on a wipe in accordance with the manufacturer's instructions for use.

2. After the disinfecting agent has been allowed the required contact time, wipe the surface with a wipe containing clear water to remove residue and prevent staining.

CAUTION

Surface disinfection of surfaces using UV-C radiation devices can cause discoloration of fixture construction materials and finishes may also occur from heavy concentrations and prolonged usage. Consult with the UV-C radiation device for proper material compatibility.

Maintenance

WARNING

Never use oil to lubricate moving components to avoid the risk of Oxygen explosion.

Users are responsible for the thorough inspection of the equipment prior to and after each use. Should any problems or deficiencies arise they must be reported to the facilities maintenance personnel.

- Inspect wires for wear and damage (if applicable)
- Ensure shelves and other accessories are securely in place. Loose shelving or accessories pose a hazard and must be secured.
- Inspect wheels for accumulation of lint and other debris. Clear away lint and debris.
- Inspect wheels for damage.
- Inspect floor locks for functionality.

Electrical Outlets

Different types of electrical outlets are fitted following international and local standards.

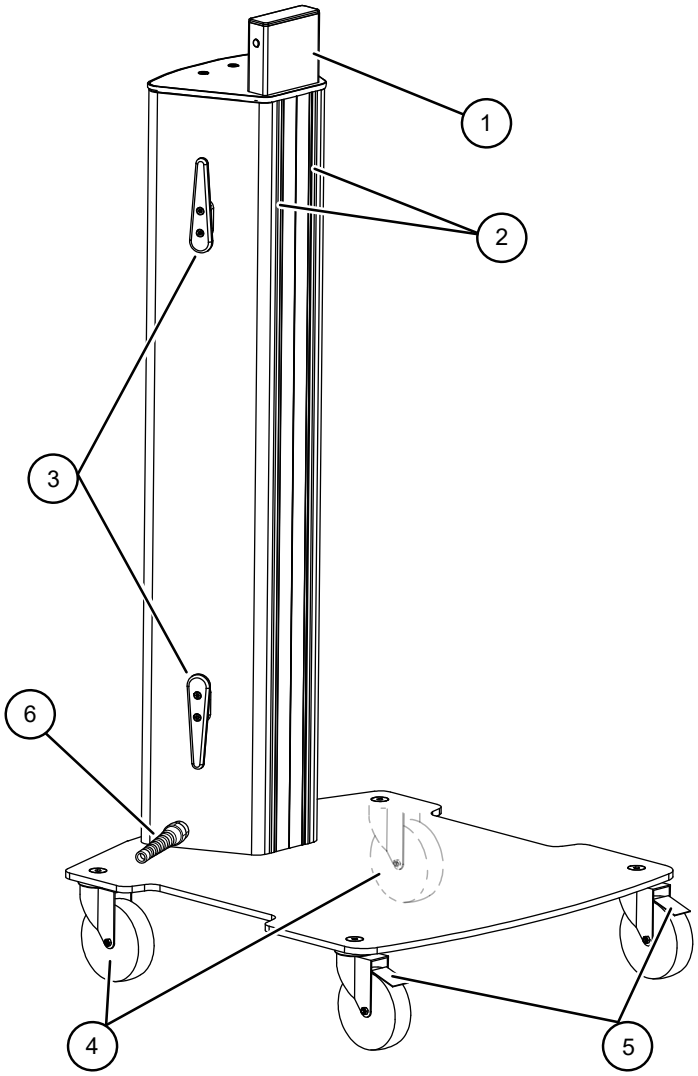
CAUTION

DO NOT connect more equipment than the individual circuits are rated for in amperage. Overloading an electrical circuit can cause overheating and fire. The maximum power is labelled on the side panel.

- Connect medical equipment according to the manufacturer's instructions. When instructed, connect the medical equipment to the earth points.
- The Kineo cart can be fitted with socket outlets to connect equipment placed on the cart. If a device is equipped with an additional potential equalisation connector, always connect the connector in the dedicated potential equalisation outlet.
- The plug can be used to separate the cart and its equipment from the mains.
- Always position the cart so that the plug is within reach.
- To avoid risk of electric shock, this cart must only be connected to supply mains with protective earth grounds.
- When connecting equipment to the cart, an electrical system is formed. Always check earth resistance and current leakage when equipment is disassembled or replaced.

Replacement Parts

a. 3KCP36 and 3KCP48 Kineo Cart



Item	Part No.	Description	Qty.
1	057.9040.603.03	TUBE CAP Rect 120x40 white	1
2	03-M1612-0	COVER STRIP C-groove ECM L1500	4
3	RK099.001	HOOK CORD	2
4	360.256.120	SWIVELLING WHEEL125mm	2
5	360.256.123	SWIVELLING WHEELBREAK 125mm	2
6	H5-010-41	STRAIN RELIEF F/ DOCK-IT CART	1

REVISION HISTORY

Date	Revision	Revision History
04/29/2015	0	Initial release.
02/20/2017	1	Pg 1 revised figure 1. Pg 6 revised figure and added strain relief to the parts list.

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