



Instructions for Use: EndoDolly™

Brand Name of Product	EndoDolly™
Generic Name of Product	Flexible Endoscope Assistance Pole
Product Code Number(s)	110405-SP
Intended Use	To hold endoscopes and allow them to hang properly while conducting active drying, quality assurance testing, and transportation procedures.
Range of Applications for Product	Hanging endoscopes to perform cleaning verification and transporting the scopes.
Key Specifications of Product	<ul style="list-style-type: none"> ● Height of pole is 55” ● 3 self-adjusting poles: <ul style="list-style-type: none"> a. 2 outside poles extend an additional 8 feet <ul style="list-style-type: none"> ● Adjusted maximum height of 211.58 centimeters ● Lowered to a minimum height of 133.35 centimeters. b. Middle pole extends an additional 9.5 feet <ul style="list-style-type: none"> ● Adjusted to a maximum height of 271.78 centimeters ● Lowered to a minimum height of 148.59 centimeters ● 2 cups for each self-adjusting pole ● 2 hooks per pole to support a scope up to 15 lbs. ● Stainless steel ● 5-wheel base

Shipping & Storage	
Shipping Conditions & Requirements	
Storage Conditions	For transport and stock-keeping: temperature from -25°C to 70°C, R.H 30-75%.
Packaging Conditions	
Shelf Life	

Instructions for Using Product	
Description of Use(s)	To hold the endoscopes and transport.
Preparation for Use	<p>Assemble the Base</p> <ol style="list-style-type: none"> 1. Attaching the base is done by using the 5 large bolts included in the kit. Start by inserting one of the wheel posts into the base collar and using one of the large bolts with the large allen wrench to adhere the wheel post. Repeat for each wheel post until all five wheel posts are inserted and tightened. Fig. 1-1C <p>Assemble the Accessories</p> <ol style="list-style-type: none"> 2. Carefully stand the pole up. Loosen the “C” hook screws from the bracket and slide it down the middle pole close to the base and tighten so that it is secured to the pole. The opening of each hook should be facing opposite each other. Fig. 2 3. Next, attach the air pressure gage holder to the pole. Place the holder against the pole with the bracket placed against the pole, then attach the other half of the

bracket to the other side and tighten the two screws with the provided allen wrench to secure in place. **Fig. 3-3C**

Assemble the IV-Pole

4. Slide the remaining two poles down through the blue beams that are attached to the middle pole. **Fig. 4**
5. Slide the pole into the “C” hooks before sliding the poles into the bottom blue beam. Tighten the hooks to the pole. **Fig. 5-5A**
6. Tighten the lever on the “C” hooks to the pole.
7. With the allen wrench, secure the screws underneath the bottom of the blue beam. This will hold the outer poles in place. **Fig. 6-6A**

Assemble the Drip Cup Holders

8. Attach the drip cups by snapping them into the pole at the bottom of the outer two poles. Attach two holders on each pole with one below the other facing away from each other, then place the cups into the holder. **Fig. 7-7D**
9. Place the drips cups into the holders on the middle pole as shown in figure 8. **Fig. 8-8A**

Note: In total there are six drip cups that are attached to all three poles.

Assemble the Scope Brackets

10. Adjust the height of the poles by loosening the pole grip and sliding the inner pole up or down for the desired height then secure the pole grip again. **Fig. 9**
11. To adjust the height of the middle outer pole, loosen the lever on the external pole, then adjust the outer pole to the desired height. Tighten the lever once again to secure the pole in place. **Fig. 9**
12. Place the scope brackets onto the top of each pole and tighten clockwise until secured. **Fig. 10-10B**

Note: A total of six scopes can be placed on the EndoDolly™.

Diagrams (drawings, pictures)

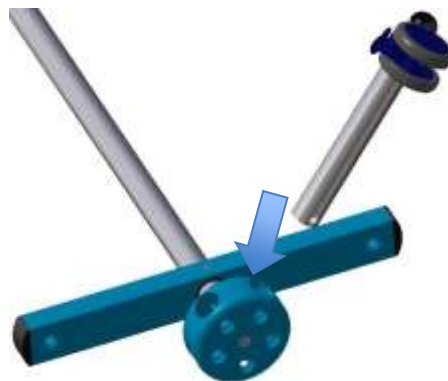


Figure 1

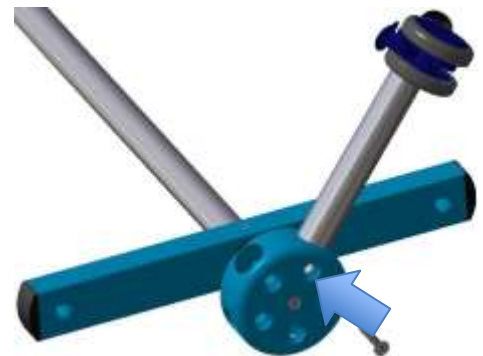


Figure 1A

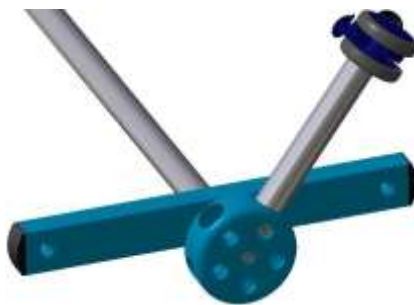


Figure 1B

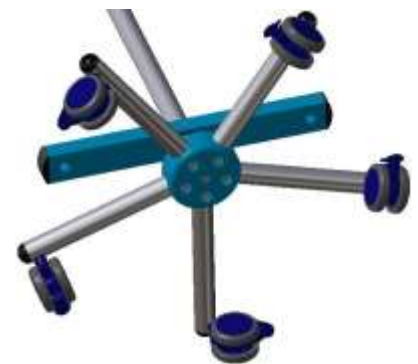


Figure 1C



Figure 2



Figure 3



Figure 3A



Figure 3B



Figure 3C



Figure 4



Figure 5



Figure 5A



Figure 6



Figure 6A



Figure 7



Figure 7A



Figure 7B



Figure 7C

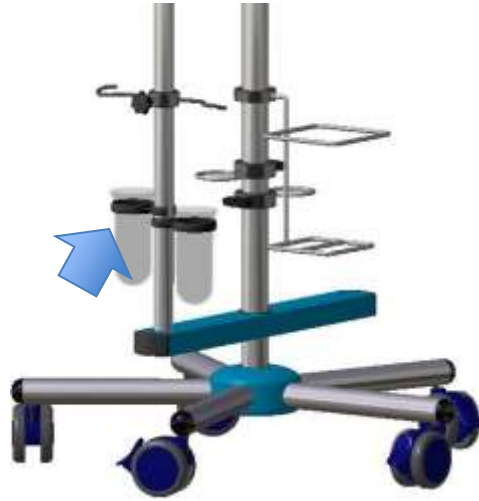


Figure 7D



Figure 8



Figure 8A

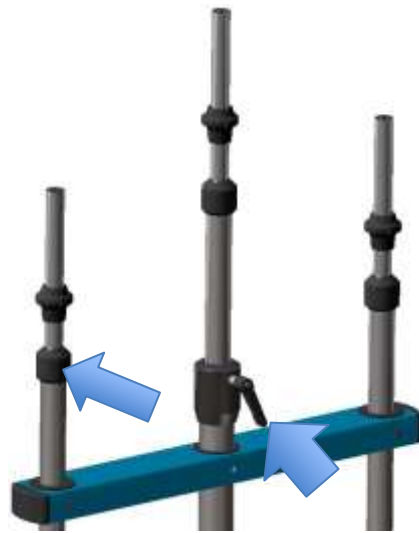


Figure 9

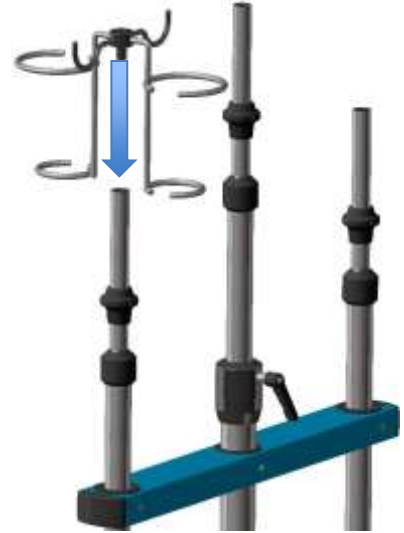


Figure 10

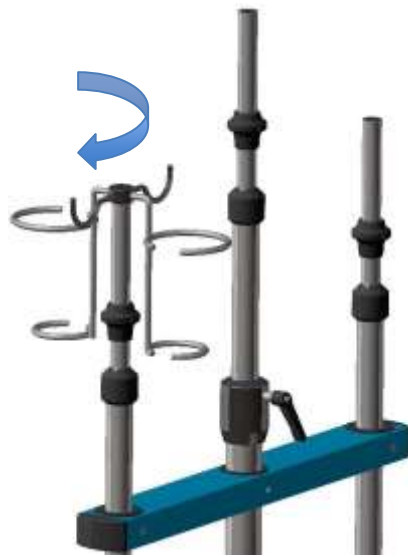


Figure 10A



Figure 10B



Steps for Use of Product	<ol style="list-style-type: none"> 1. Place the endoscope(s) into the brackets at the top of the pole(s) and allow the endoscope to hang vertically. 2. Place the insertion tube into the “C” hooks to keep it stable. 3. Place the distal tip into the cup during active drying procedures with suitable quality of air, quality assurance testing or transportation. 4. Once the EndoDolly™ is dried and quality assurance testing has been completed, the EndoDolly™ can be used for transport to storage.
Interpretation of Test Results	
Contraindications of Test Results	
Documentation	
Special Warnings and Cautions	<ul style="list-style-type: none"> • The holder is only to be used for the purposes described in the Instructions for Use. Any other use may conceal unknown hazards and is to be refrained from. • Must be used indoors only. • Holder must be used on plane and solid ground with a maximum slope of 5°. • If using the holder the correct way, it should not tip when tilting the unit by 10°. It is recommended to attach heavy devices as low as possible (meaning as close to the base as possible). When moving, make sure that the roller-brakes have been unlocked. Rolling across obstacles, soft flooring and slants must be done with particular care. It may also be necessary to lower the hanging load to the minimum infusion height. • If the holder is not in use, it must always be locked with the roller-brakes. • The electrically conductive rollers serve only to divert static charges. • Use of none pH-neutral cleaning detergents or wipes can lead to surface and material damage over time.
Disposal	The holder can be disposed of at the nearest bulky waste disposal point.

Reprocessing Instructions	
Point of Use	
Preparation for Decontamination	
Disassembly Instructions	
Cleaning – Manual	<ol style="list-style-type: none"> 1. Chloride-containing fluids (e.g. blood, physiological saline) have to be removed to avoid formation of rust. 2. Wipe down the pole from top to bottom with a facility approved disinfectant. Start by wiping the pole and cross bar, then moving to the hooks at the top and middle of the poles, then wipe down the base by the wheels. 3. Rinse with water after removing to ensure all remains have been removed from the holder. 4. It is recommended to use a disinfectant wipe with a disinfectant surface. <p>The following should not be used when cleaning:</p> <ul style="list-style-type: none"> • Agents with more than 10% alcohol content for coated/plastic parts without using strong acids or alkalis. • Surface-scratching products (e.g. abrasive, wire brush, steel wool). • Iron particles containing water/cleaning sponges. • Hydrocarbon solvents (benzene) can damage coatings and plastics.
Cleaning – Automated	<ul style="list-style-type: none"> • Extend the outer poles. • Middle pole- extend lower unit and wipe down. Slide lower unit back down into pole and extend the top part of the pole. • Place the EndoDolly™ in the cart washer for cleaning and run on the equipment cycle.

<p>Disinfection</p>	<p>EndoDolly™</p> <ul style="list-style-type: none"> It is recommended to use a disinfectant wipe with a disinfectant surface. <p>Poly cups</p> <ul style="list-style-type: none"> Facility approved surface disinfectant wipes or Isopropyl Alcohol. <p>The following should not be used when disinfecting:</p> <ul style="list-style-type: none"> Agents with more than 10% alcohol content for coated/plastic parts without using strong acids or alkalis. Halide or Halogen releasing compounds (chlorine, bromine, iodine; these can also cause corrosion in stainless steel). Hydrochloric acid containing products 																																	
<p>Drying</p>																																		
<p>Maintenance, Inspection, and Testing</p>	<ul style="list-style-type: none"> The holder should be checked at least once a year by qualified personnel for proper functionality of all important components. Repairs have to be made by authorized personnel or customer service with original equipment only. Repairs have to be made by authorized personnel or customer service with original equipment only. If the holder has not been in use for an extended period of time, it should be checked as described in the maintenance plan/checklist. <p>Proof of maintenance-conformity</p> <table border="1" data-bbox="553 867 1515 1081"> <tr> <td data-bbox="553 867 873 1081"> <p>Integrity The EndoDolly™ should be checked at least once a year on full functionality of all components.</p> </td> <td data-bbox="873 867 1193 1081"> <p>Function All screws in place and tightened.</p> </td> <td data-bbox="1193 867 1515 1081"> <p>Completeness If an error is detected, only original spare parts may be used and must be replaced by a specialist of Customer Service only.</p> </td> </tr> </table> <table border="1" data-bbox="553 1113 1515 1413"> <thead> <tr> <th data-bbox="553 1113 712 1171">Date</th> <th data-bbox="712 1113 872 1171">Signature</th> <th data-bbox="872 1113 1031 1171">Date</th> <th data-bbox="1031 1113 1190 1171">Signature</th> <th data-bbox="1190 1113 1349 1171">Date</th> <th data-bbox="1349 1113 1515 1171">Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	<p>Integrity The EndoDolly™ should be checked at least once a year on full functionality of all components.</p>	<p>Function All screws in place and tightened.</p>	<p>Completeness If an error is detected, only original spare parts may be used and must be replaced by a specialist of Customer Service only.</p>	Date	Signature	Date	Signature	Date	Signature																								
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<p>Reassembly Instructions</p>																																		
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<p>Sterilization</p>	<p>Poly cups: Steam sterilization at 270°F (132°C) for 4 minutes, 275°F (135°C) at 3 minutes.</p>																																	
<p>Storage</p>	<p>For transport and stock-keeping: temperature -25°C to 70°C, R.H. 30-75%</p>																																	
<p>Additional Information</p>																																		
<p>Related Healthmark Products</p>																																		
<p>Other Product Support Documents</p>	<p>Storage Products Brochure, Storage Products Price List</p>																																	

Reference Documents	ISO standard
Customer Service Contact	Healthmark Industries Company, Inc. 18600 Malyn Blvd. Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com hmark.com

2019-10-01 Suzanne Latta

Rev. B