



JYSK HANDI

hjælpemidler til børn og voksne siden 1990

FLEXARM

Flexarm with Ring and Spout Cup 500 mm

Flexarm with Ring and Spout Cup 600 mm

Flexarm with Bottle Holder and Spout Cup 500 mm

Flexarm with Bottle Holder and Spout Cup 600 mm

User guide (EN)

Rev.02 – June 2015



Download the user manual at www.jyskhandi.dk





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Flexarm



User Manual

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1. General

You have chosen a **Flexarm with Ring and Spout Cup / Flexarm with Bottle Holder and Spout Cup** from Jysk Handi.

Read the complete user manual to enjoy your Flexarm with Ring and Spout Cup / Flexarm with Bottle Holder and Spout Cup. Keep the user manual in a place where it is accessible to all persons using the product. The user manual can also be downloaded from our website **www.jyskhandi.dk** under REHAB products.

Please note that sections of this manual may not be relevant to your product.



You will find this icon in the user manual where there are precautions and information that are of safety importance.







This icon lets you know when user manual must be read carefully to ensure correct and safe use of the product.

1.1. Product description

Flexarm with Ring and Spout Cup and Flexarm with Bottle Holder and Spout Cup are aids developed for users with reduced function who want to be more self-reliant when consuming beverages.

The various models of the Flexarm are shown in this overview:

Flexarm			
With Ring and Spout Cup 500 mm	With Ring and Spout Cup 600 mm	With Bottle Holder and Spout Cup 500 mm	With Bottle Holder and Spout Cup 600 mm
			
Item no. 21 60 50	Item no. 21 60 60	Item no. 21 60 51	Item no. 21 60 61
HMI no.: 48 332	HMI no.: 48 331	HMI no.: 48 330	HMI no.: 29 851





1.1.1. Identification

The products are packed in unit packaging with product labels.



Unit packaging



Product label

1.2. Product purpose

The following section describes the purpose, target group and use of both Flexarm with Ring and Spout Cup and Flexarm with Bottle Holder and Spout Cup.

1.2.1. Purpose

The Flexarm system is designed as a flexible holder for a Spout Cup, a bottle or can as well as an Incandescent-safe cigarette tube for Flexarm.

The Flexarm allows people with disabilities to be more self-reliant in drinking and smoking situations.





1.2.2. Target group

Children and adults with the following diagnoses:
Parkinson's, CP (spasticity - Cerebral Palsy), ALS, sclerosis, muscular dystrophy, arthritis, paralysis, limited arm / shoulder function, HD (Huntington's Disease), brain injury, spinal cord injury, people with disabilities.

1.2.3. Use

Flexarm is used:

- to hold the supplied Spout Cup
- to hold a regular bottle or can
- to hold an Incandescent-safe cigarette tube for Flexarm from Jysk Handi




1.3. Product limitations

Flexarm with Ring and Spout Cup / Flexarm with Bottle Holder and Spout Cup is exclusively intended to hold the supplied Spout Cup, beverages in standard bottles or cans as well as an incandescent-safe cigarette tube for Flexarm from Jysk Handi.

1.3.1. Safety alerts

	Flexarm with Ring must not be used with other cups, mugs or spout cups, unless specified by Jysk Handi.
	Flexarm must not be used with attachment components other than those specified by Jysk Handi.
	Jysk Handi assumes no responsibility if the product is used, changed or combined in any other way than specified in this user manual.

1.3.2. Safety limitations

	Always replace the Spout Cup if it is unhygienic or unstable.	
		Cans or bottles that are smaller than the standard 0.33 liter, may fall out of the bottle holder.





1.3.3. Lifetime

The life expectancy of this product is between 2 and 5 years when used daily and in accordance with the safety instructions, maintenance intervals, and the proper usage guidelines set forth in this manual.

The effective life of the Flexarm may vary depending on the frequency and intensity of use.

The Spout Cup has a life expectancy of 6 - 8 months with daily machine washing and an intake pattern of 3-6 cups daily.

The lifetime of the Spout Cup will depend on the individual purpose and pattern of use.

Always replace the Spout Cup if it is unhygienic.

1.3.4. Maximum load

The bottle or can used in the Flexarm must not exceed a maximum of **600 grams**.





1.4. Product certification

The product has been developed, manufactured and tested based on the following documents:

1.4.1. Legislation

The product complies with Directive 93/42 / EEC on 21.09.2007 - medical devices.

The equipment is CE marked and complies with the essential requirements of Executive Order 1263 of 15 December 2008 on medical devices.

Classification: Medical Devices Class 1

1.4.2. Standards

The product is designed according to the following standards and documents.

Standard	Description
DS/EN 12182 3. Edition- 2012.06.29	Assistive products for people with disabilities General requirements and test methods
DS/EN ISO 14971 6. Edition- 2012.12.21	Medical equipment Use of risk management in medical devices
DS/EN ISO 15233-1 2. Edition- 2012.08.01 DS/EN 980.2008	Medical equipment Symbols for labeling medical devices and related information Part 1: General requirements
DS-EN ISO 9999 8. Edition- 2012.11.15	Assistive products for people with disabilities Classification and terminology

1.4.3. ISO classification

Flexarm with Ring and Spout Cup / Flexarm with Bottle Holder and Spout Cup are classified according to DS-EN ISO 9999.

ISO classification: **24 – 24 – 03 – 04**

1.4.4. Test reports

Reports have been conducted and made on the following tests:

- Weight Load Test
- Washing and cleaning test
- Retention Test
- Spout Cup in microwave oven
- Lifetime Test
- Transport Test





2. Product overview

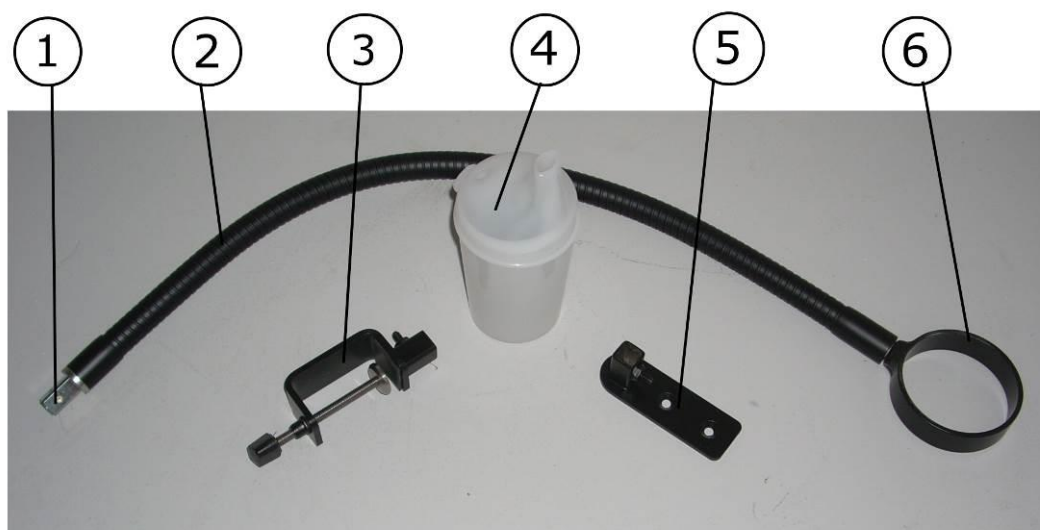
The various parts of Flexarm with Ring and Spout Cup / Flexarm with Bottle Holder and Spout Cup have the following terms:

2.1. Flexarm with Ring and Spout Cup

1. Flex base
2. Gooseneck
3. Clamps
4. Spout Cup
5. Brackets
6. Ring

Position numbers 1, 2 and 6 are also referred to as Flexarm.

Position numbers 3 and 5 are also referred to as fittings.



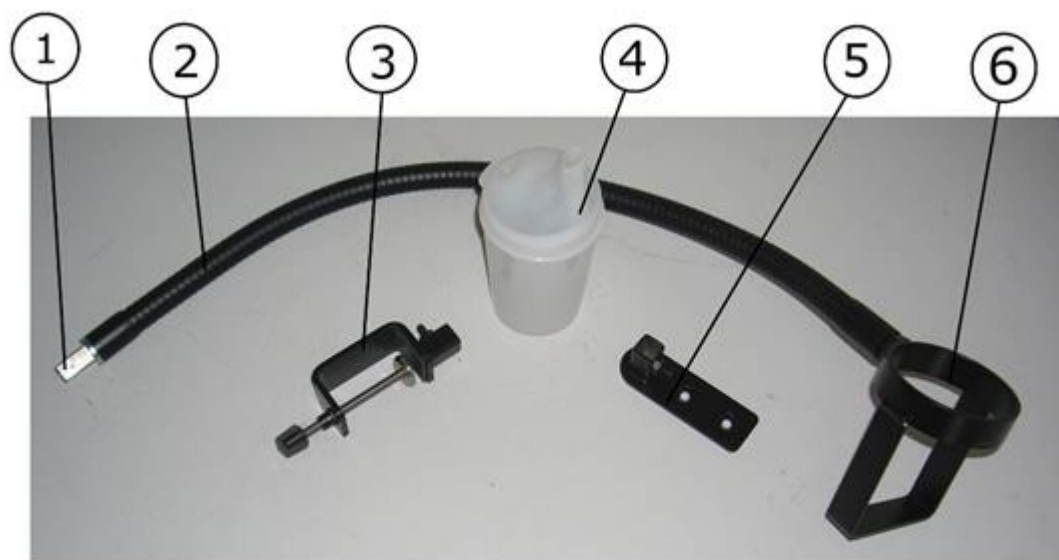


2.2. Flexarm with Bottle Holder and Spout Cup

1. Flex base
2. Gooseneck
3. Clamps
4. Spout Cup
5. Brackets
6. Bottle Holder

Positions 1, 2 and 6 are also referred to as Flexarm.

Position numbers 3 and 5 are also referred to as fittings.





3. Product use

The following sections describe the installation and operation of Flexarm with Ring and Spout Cup as well as Flexarm with Bottle Holder and Spout Cup.

Depending on the user's abilities, help may be needed to prepare the desired beverage.

The Flexarm is secured to the desired fitting, adjusted and shaped to the desired position, the prepared beverages placed in the ring or bottle holder.

A straw must be used to be able to consume beverages held in the Flexarm.

The same Flexarm can be used in several different fittings. For example, the user may have a fitting placed on his wheelchair. The user may also have a fitting placed on a table by a recliner or by his bed.

Thus, the Flexarm and the drinking function are moved with the user to their desired location.

Before use, follow the following safety instructions.

	Make sure the edge of the Spout Cup is whole and intact. A defective edge of the Spout Cup may cause the Spout Cup to fall out of the ring.
	Check that the bracket is properly tightened, it must not be loose.
	Check that the clamp is properly clamped, it must not be loose.
	The Spout Cup is removed from the ring or bottle holder when hot drinks are poured. This avoids the risk of spilling hot drinks on the user. Hot drinks cause the Spout Cup to become hot to handle.
	If the position of the Flexarm cannot be maintained during use, the Flexarm must be replaced.





3.1. Attachment of fittings

Before the Flexarm can be used, one of the fittings must be fastened.

The fitting is installed on a horizontal surface, so that the Flexarm stands vertically when installed in the bracket.

Choose the fitting that is most suitable for the place where the user is going to use the Flexarm.

3.1.1. Clamps

The clamps can be used for temporary attachment to a table or counter edge, or similar surfaces.

The advantage of the clamp is that it can easily be moved to another table without the use of mounting tools.



When installed on a table edge, ensure that the clamp is pushed all the way to the table edge.

Tighten the clamp using the thumbscrew.

The clamp can attach to a table top with a maximum thickness of 48 mm.

NOTE: The clamp can leave tension marks.



Installation on only flat horizontal surfaces.

When installed on crooked or round surfaces, stable retention is not achieved. There is a high risk of the clamps loosening or falling off during alignment and use





3.2. Brackets

The bracket is intended for a fixed and permanent installation.

When the bracket is fitted with 2 screws, it is a very stable fitting for the Flexarm.

The bracket allows for a very stable fastening within a minimal amount of space. This is very advantageous and makes the bracket suitable for use on wheelchairs and similar equipment.



Secure the bracket with 2 countersunk screws.

Screw size:
Ø4x20mm – Ø5x20mm



For wood, chipboard screws are recommended.

For plastic or thin plate, self-drilling screws are recommended.



The bracket can be installed and used in 2 different ways.

1. Installation under a flat surface will hide most of the bracket and the screws.
2. Installation on top of a flat surface can be used when placing the bracket in the middle of a flat surface.

The bracket is used to achieve the best possible placement and outcome for the user.

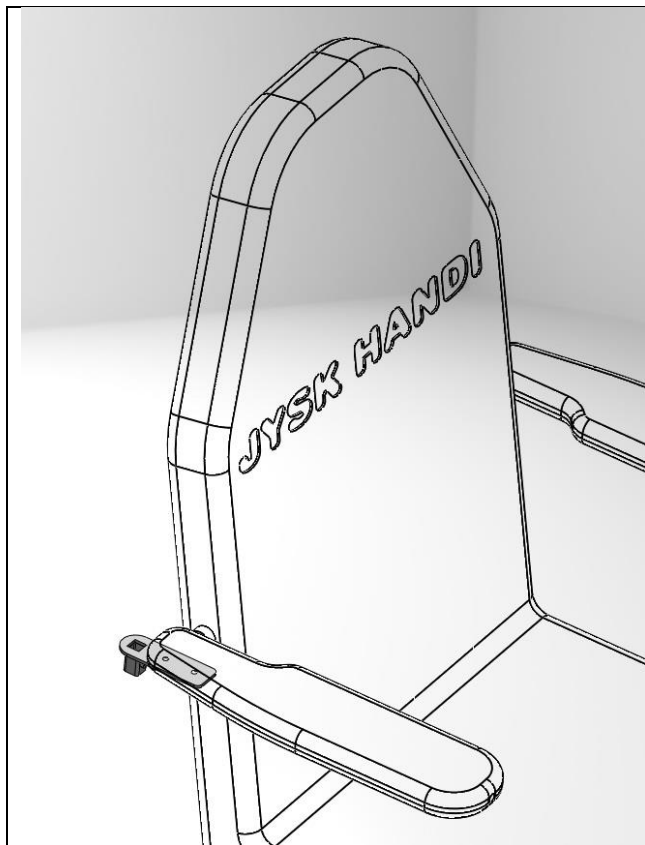


Installation on only flat horizontal surfaces.





3.2.1. Installation on wheelchairs



For wheelchairs a fixed installation with a bracket is recommended.

A good location on many wheelchairs is under an armrest, where the bracket is installed facing backwards. See diagram.

The bracket can also be installed on other similar horizontal flat surfaces.

3.2.2. Installation on furniture



The bracket can be installed on countertops, bed furniture, bedsides or other similar places.





3.3. Flexarm

Before the Flexarm can be used, it is placed in the desired fitting.
The Flexarm is then shaped, rotated and turned to the desired position.

3.3.1. Attachment to fitting

	<p>To attach the Flexarm to the fittings, push the square Flexarm base down into the fitting.</p> <p>The Flexarm clicks firmly and is now held in place in the fitting.</p>
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		<p>Make sure that the Flexarm base is pressed fully into the fitting before use.</p> <p>The arrow indicates where to check if the Flexarm base is properly pressed into the fitting.</p> <p>If it cannot be pushed down, remove any dirt or other obstacles from the fitting.</p>
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3.3.2. Removal from fitting

	<p>Remove the Flexarm by pulling it up and free of the fitting.</p> <p>The same Flexarm can thus be used in several different fittings.</p>
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3.3.3. Positioning

	<p>The Flexarm can be shaped in any direction.</p> <p>The Flexarm is brought to the desired position by pressing, pulling and twisting.</p> <p>For best results, use both hands to shape the gooseneck, up to the desired position.</p> <p>The flexibility of the Flexarm allows you to quickly adjust the setting and position according to the user's wishes and needs.</p>
	<p>Example of Flexarm with different functions and shapes for different positions.</p>

It is recommended that the Flexarm be completely removed from the fitting when moving the user to and from the wheelchair.





3.4. Ring

Only one Spout Cup or incandescent-safe cigarette tube can be used in Flexarm with Ring.



Before inserting the Spout Cup into the ring, the ring must be set in a horizontal position.

The Spout Cup is placed in the ring.

3.5. Bottle Holder

Spout Cups, bottles, cans and incandescent-safe cigarette tubes can be used in Flexarm with Bottle Holder.



Before inserting the Spout Cup, can or bottle into the bottle holder, the bottle holder must be set in a horizontal position.


The Spout Cup, can or bottle is placed in the bottle holder.





3.6. Spout cup

For preparation and serving of beverages.

	<p>The lid is removed.</p> <p>Beverage is poured.</p> <p>Attach the lid and press firmly.</p> <p>The Spout Cup is then inserted into the Ring or Bottle Holder.</p> <p>A straw must be used when drinking from the Spout Cup when placed in the Flexarm.</p> <p>The straw must be inserted through the drinking spout.</p>
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The Spout Cup can also be used without the use of Flexarm.

When the user is reclined, the amount of fluid can be limited by putting a finger over the hole on the top of the lid.

3.7. After use

1. Remove spout and clean / remove bottle or can.
2. Remove the Flexarm or move it to a passive position.

See section on cleaning and maintenance for more information

3.8. Storage

The Flexarm can be stored e.g. in the passive position on the wheelchair or completely removed.

There are no special requirements for storing Flexarm and fittings.

The Spout Cup should not be stored in direct sunlight.





4. Maintenance

In order to ensure that the Flexarm functions safely and optimally, it is necessary to have ongoing maintenance, cleaning and functionality checks.

4.1. Maintenance

In normal daily use, the following maintenance and cleaning is performed:

Daily:

Cleaning the Spout Cup

Quarterly:

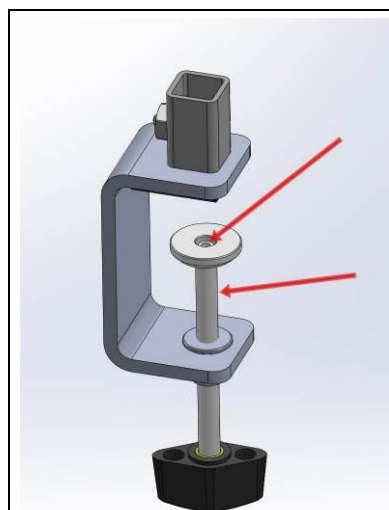
Thorough cleaning of all parts

Yearly:

Main cleaning of all parts

When needed:

Fittings maintenance is performed after thorough washing / soaking.



It is necessary to lubricate the washer and the screw on the clamp after it has been in contact with cleaning water.

Lubricate with a few drops of plain sewing machine oil where the arrows indicate.

Lubricating the clamp ensures that sufficient clamping can be achieved.





4.2. Cleaning

Flexarm should be cleaned every day, if used daily.

If the Flexarm is only used periodically, cleaning can be done every after each use.

	Never use alcohol, acids, bases or solvents.
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4.2.1. Cleaning the Spout Cup

The Spout Cup is like regular tableware and should be cleaned daily.

It is advantageous to use a dishwasher.

4.2.2. Cleaning the Flexarm and fitting

Wash the Flexarm and fitting with a wet sponge, cloth or brush.

Use ordinary household detergents.

If the Flexarm or fittings are very dirty, they can be soaked for a couple of minutes in water and then cleaned with a regular dish brush.

After cleaning, wipe the Flexarm with a soft dry cloth until dry.

4.3. Check up

The following items must be checked for operation and safety at the specified intervals.

Check up	Description	Interval
Clamp and Bracket	Must be stationary and stable.	Daily before use
Spout Cup / Ring / Bottle Holder	Must be whole and without damage.	Daily before use





5. Troubleshooting

The table below describes product problems, suggests a possible cause and instructions for troubleshooting the problem.

The table describes product problems that may have safety relevance.

Problem	Possible cause	Troubleshooting
Flexarm does not hold its position.	Wear of the gooseneck.	Replace Flexarm.
Flexarm base does not snap into the fitting. (bracket or clamp)	Dirt or grime in the flexarm base fitting. Suspension locking screw is broken.	Clean the fitting. Replace the fitting if necessary.
Spout Cup sits unstably.	Worn or damaged edge.	Replace Spout Cup
The clamp cannot be tightened.	The washer on the end of the screw is loose or crooked.	Replace clamp.
The bracket wiggles and is loose.	The tightening screws are loose.	Install in a different place with new screw holes.
The Bottle Holder or Ring are crooked.	The Flexarm has been pinched.	Replace Flexarm with Ring or Bottle Holder








See section 6 for a list of spare parts.





6. Spare parts

The following spare parts are available for Flexarm with Ring and Spout Cup and Flexarm with Bottle Holder and Spout Cup:

Item no.:	Varenavn:	Foto
21 65 50	Flexarm with Ring 500mm	
21 65 60	Flexarm with Ring 600mm	
21 65 51	Flexarm with Bottle Holder 500mm	
21 65 61	Flexarm with Bottle Holder 600mm	
21 30 00	Clamps	
21 31 00	Brackets	
21 00 00	Spout Cup	

Spare parts can be ordered from Jysk Handi.







7. Accessories

The following accessories are available for Flexarm.

7.1. Incandescent-safe cigarette tube for Flexarm

Incandescent-safe cigarette tube	
Standard for Flexarm	Solid for Flexarm
	
Item no. 21 03 10	Item no. 21 03 20
HMI nr.: 72 202	HMI nr.: 73 989

The Incandescent-safe cigarette tube is placed in the Flexarm, allowing users with involuntary movements the ability to smoke without having to hold the Incandescent-safe cigarette tube.



For further information on the use and placement of Incandescent-safe cigarette tube for Flexarm, refer to the separate Jysk Handi user manual for:

"Incandescent-safe cigarette tube"





8. Technical data

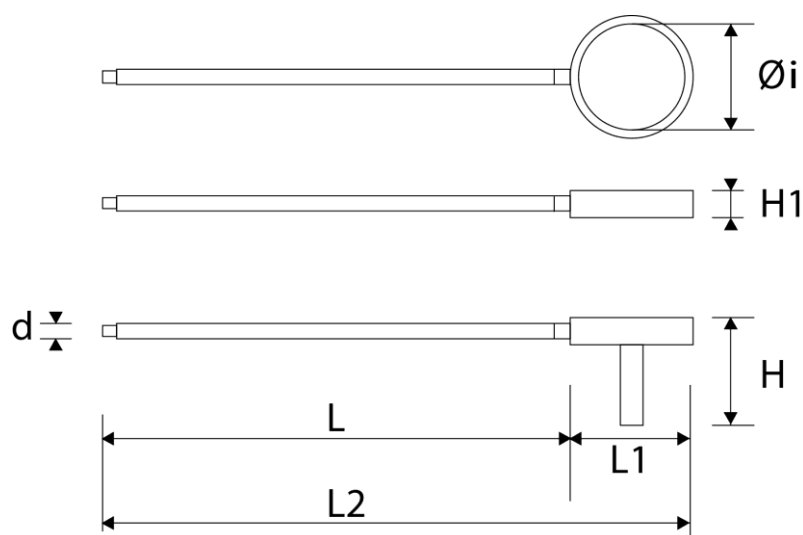
The product is composed of several different parts with different data, as shown in the tables and diagrams below.

- All length dimensions are specified in mm.
- All cubic measurements are specified in ml.
- All weight measurements are specified in g.

8.1. Specifications

8.1.1. Flexarm

Dimensions for the different models of Flexarm



Dimension guide diagrams

Model	L	L1	L2	H	H1	Øi	d
Flexarm with Ring and Spout Cup 500 mm	500	90	610		20	69	20
Flexarm with Bottle Holder and Spout Cup 500 mm				95			
Flexarm with Ring and Spout Cup 600 mm	600	90	680		20		
Flexarm with Bottle Holder and Spout Cup 600 mm				95			





8.1.2. Spout Cup

Description:

Semi-transparent milk white cup.

Lid with spout and Ø8 hole for dose restriction with reclined users.

Cups and spout lids can be sterilized.

Withstands cold and hot drinks.

Withstands microwave heating.

Withstands machine washing.

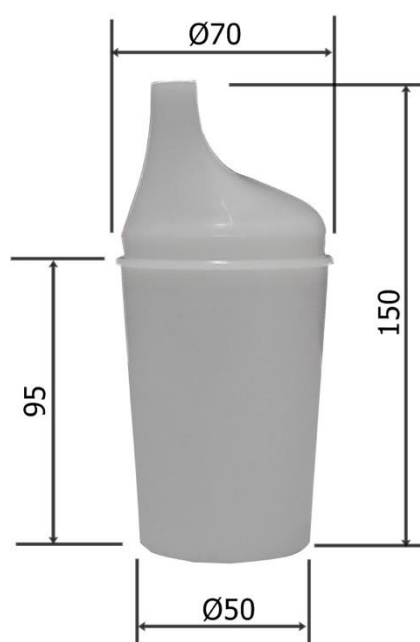
Specifications:

Material: Polypropylene, approved for contact with food.

Content: 200 ml

Weight: 40 grams

Dimensions: All dimensions specified in mm, see diagram.



Dimension guide diagram



Do not use for melting butter or other things in microwave, as temperatures above 130 ° C will destroy the Spout Cup.





8.2. Weight

Weight for subcomponents	grams
Flexarm with Ring 500 mm	650
Flexarm with Bottle Holder 500 mm	720
Flexarm with Ring 600 mm	660
Flexarm with Bottle Holder 600 mm	770
Brackets	70
Clamps	160
Spout Cup	40

8.3. Materials

Flexarm base, gooseneck, ring, bottle holder, brackets and clamps are made of brass, steel and aluminum, which are coated with non-toxic paint and powder coated.

The Spout Cup is made of a plastic material that is approved for contact with foodstuffs.

8.4. Environmental conditions

	Storage	Use and Transport
Temperature	-10°C to +50°C	+5°C to +40°C
Humidity	20% to 75%	
Air Pressure	800 hPa to 1060 hPa	





9. Disposal

We ask for environmental awareness and to recycle this product through the nearest recycling station when its lifetime is exhausted.

The product consists of several different materials which are disposed of and recycled in different ways.

Flexarm and bracket are made of metal and must be disposed of as waste metal through the local recycling station.

Spout Cup is made of plastic material and must be disposed of as hard plastic material through the local recycling station.

Waste disposal must always be in accordance with current legislation on waste management in each country.

10. Warranty

The warranty covers:

- All material and production defects for two years from the date of delivery, provided such defects existed prior to delivery.
- All production defects and deficiencies must be reported immediately.
- Jysk Handi may choose to repair the defect or replace the component. The warranty provided by Jysk Handi does not cover additional costs (transport, packaging, working time, miscellaneous expenses, etc. are at the customer's expense).

The warranty does not cover:

- Damage incurred during transport that is not reported to the freight carrier immediately upon delivery.
- Repairs by unauthorized centers and personnel.
- Parts subject to normal wear and tear.
- Intentional destruction or damage caused by improper use of the product.
- Jysk Handi reserves the right to change product specifications without prior notice.

