

PATIENT GUIDE FOR USE & CARE

danuButton® Gastrostomy Button



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Patient Information

Patient

Name:

Address:

Medical Professionals

Name:

Phone no.:

Phone no. for emergencies:

Other healthcare providers:

Phone no.:

Device Specifications: danuButton® Gastrostomy Button

Device manufacturer:

Product code/REF:

LOT number:

Button size in FR:

Stoma length in cm:

Balloon fill volume in ml:

Device placement date:

Scheduled replacement date:

danuButton® Product Sticker

(place sticker here)

Formula Preparation

Type of formula:

Amount of formula per day:

Feeding times:

Amount of each feeding:

Amount of water:

Medication:

Type of Feeding

Bolus:

Continuous:

Syringe:

Pump:

Gravity feeding:

Pump setting or flow rate:

Flush with ml of water before and after every feeding.

Blenderized food: Follow the instructions of your Medical Professional.

Introduction to Tube Feeding

Proper nutrition is essential for staying healthy, supporting growth and recovery, and maintaining strength. Sometimes, due to illness, surgery, or other medical conditions, it may not be possible to eat or drink normally. In these situations, your body still needs the right nutrients to function properly.

If your stomach is still functioning well, tube feeding through a gastrostomy may be an option. A small opening, called a gastric stoma, is created between the abdominal wall and the stomach. A soft feeding tube is placed through this opening directly into the stomach. This allows liquid nutrition, water, and medication to be delivered safely and directly into your stomach. Tube feeding formula is usually commercially prepared and available in ready-to-use bags or containers or as a powder to mix with water. In some cases, blenderized table food may also be used.

Your Medical Professional has measured you for the correct tube size and given you detailed care, maintenance, diet, and medication instructions.

IMPORTANT:

The type and volume of enteral food is prescribed by your Medical Professional. Follow all instructions carefully and never put any unapproved food or medication through your feeding tube.

Types of Gastrostomy Feeding Tubes

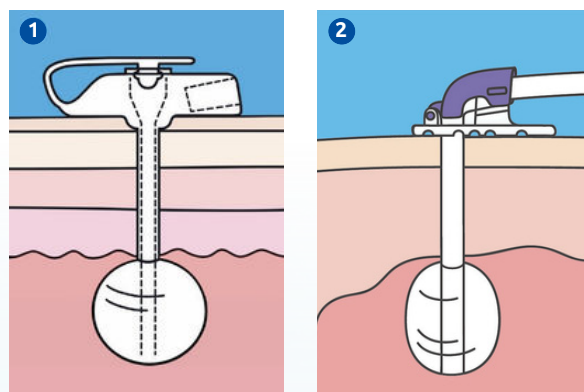
Gastrostomy feeding tubes (G-tubes) come in two main types: low-profile and traditional length.

① Gastrostomy Button

A low-profile G-tube, also known as button, sits flat against the skin. The low-profile design of the external retention plate (also called external base or bolster) is small, soft and flat, allowing the button to stay discreet under clothing and enabling free movement.

② “Traditional Length” Gastrostomy Tube

A traditional length G-tube, sometimes also called "long tube" or "dangler", extends approximately 7 – 10 cm outside the body. It has an adjustable external retention plate that can be moved along the tube to fit different stoma lengths.



danumed offers both low-profile buttons and traditional length gastrostomy tubes for adults and children.

Scan the QR Code or visit www.danumed.com/products to explore our full product portfolio.

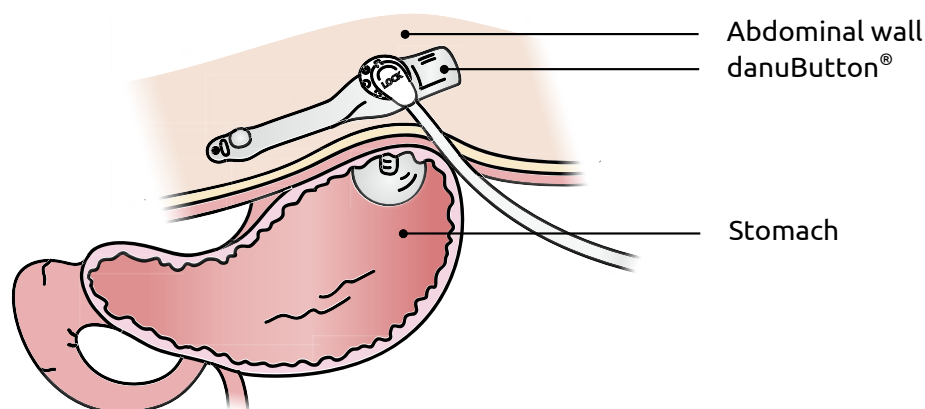


The danuButton® Gastrostomy Button

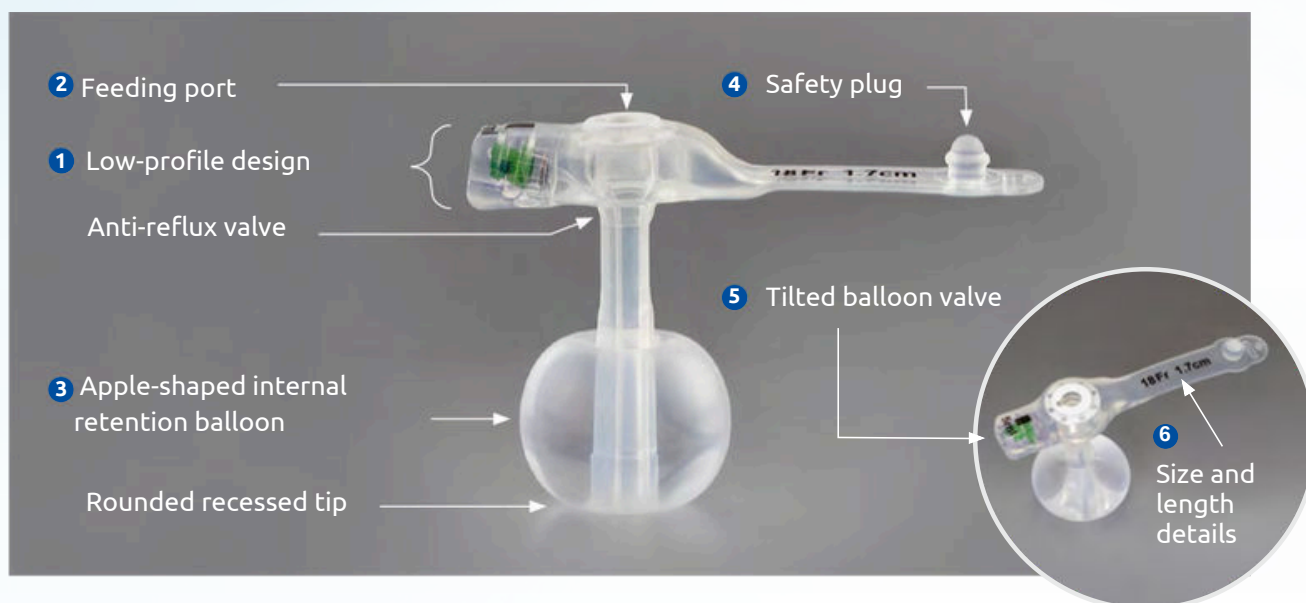
A danuButton® Gastrostomy Button has been placed through your abdominal wall into your stomach. An internal balloon and an external base keep it securely in place.

The danuButton® is a replacement feeding tube that can be inserted once the gastrostomy site (stoma) has fully healed. This healing process usually takes about 4 to 6 weeks after the initial tube placement.

The low-profile danuButton® allows you to receive the nutrition, fluids and medication your body needs in a safe and reliable way. Its discreet, comfortable design can make everyday life easier, especially for active adults and children, and may help improve your quality of life.



danuButton® Anatomy & Features



1 Low-profile design

The low-profile external base provides a comfortable fit while allowing for improved mobility. The bottom of the base should rest **2 – 3 mm** above the skin to ensure proper air circulation.

2 Feeding port with anti-reflux valve

Liquids and nutrition enter your stomach through the button's feeding port.

IMPORTANT: Always use an extension set for feeding or venting (decompression).

Connecting a danumed® Extension Set unlocks the valve, allowing the delivery of tube feeds, liquids, or medication.

An integrated anti-reflux valve prevents stomach content from escaping, even if the safety plug is open.

3 Apple-shaped retention balloon

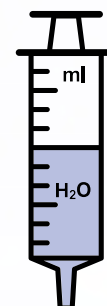
The apple-shaped balloon firmly secures your danuButton® inside the stomach, providing a gastric seal and minimizing leaks.

With correct handling and filling (*see table*), the balloon of your danuButton® remains highly stable for long-term use.

IMPORTANT: Always use the recommended amount of sterile or distilled water – never air or saline!

Recommended balloon filling volume

Shaft size in Fr	Balloon volume in ml
12	3 – 5
14	4 – 6
16	5 – 7
18	5 – 7
20	8 – 12
24	8 – 12



4 Safety plug

When not in use, always close the feeding port with the safety plug to keep it clean and hygienic.

5 Tilted balloon valve

The green balloon valve is used for inflating or deflating the balloon when changing the danuButton®.

A Luer syringe connects effortlessly to the tilted valve, which also displays the recommended sterile/distilled water amount for filling the balloon.

IMPORTANT: The balloon valve **must not** be used for feeding or medication delivery!

6 Size and length details

The shaft size and the length of your danuButton® is printed on the sealing flap.

Contents of the danuButton® Sets

danuButton® Premium Set



The danuButton® Premium Set contains all components necessary for safe and comfortable replacement of a gastrostomy button.

- 1 danuButton® Gastrostomy Button
- 2 danumed® Extension Set for Gastrostomy Button, 30 cm, Bolus-ENFit®, ENSwivel®, straight button connector
- 3 danumed® Extension Set for Gastrostomy Button, 30 cm, Y-ENFit®, ENSwivel®, angled button connector
- 4 danumed® Introducer (insertion aid)
- 5 danumed® Balloon Syringe 10 ml
- 6 danumed® Enteral Syringe, Single Use 60 ml, ENFit®
- 7 optiLube Lubricant
- 8 4 gauze pads

danuButton® Compact XS



The danuButton® Compact XS Set offers a streamlined selection of essential accessories for button replacement.

- 1 danuButton® Gastrostomy Button
- 2 danumed® Introducer (insertion aid)
- 3 danumed® Balloon Syringe 10 ml

Scan the QR Code or visit www.danumed.com/products/gastrostomy-button/ for detailed information on the danuButton®.

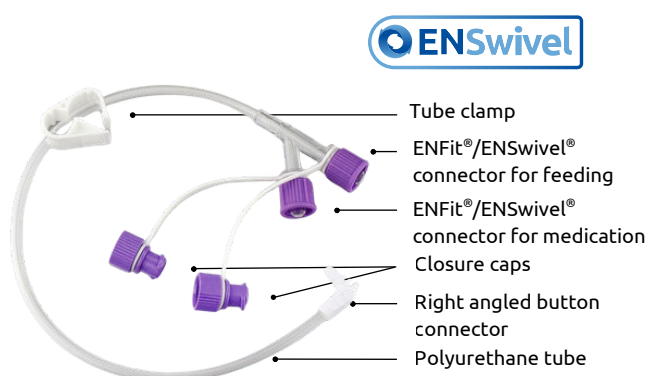


danumed® Accessories

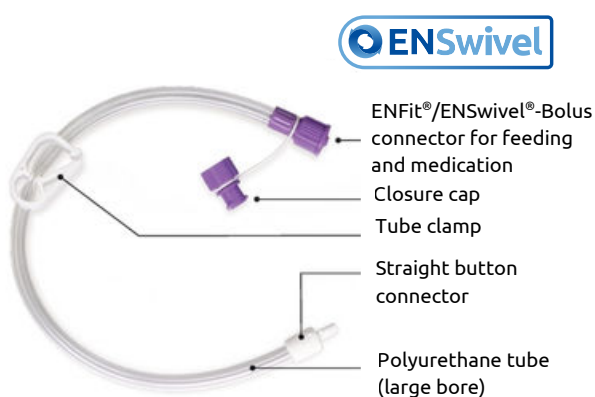
danumed® Extension Sets

Different danumed® Extension Sets are included in our danuButton® Premium Set, for bolus feeding and for continuous feeding. The danumed® Extension Sets are also available separately in different lengths and are equipped with the danumed ENSwivel® rotating ring.

danumed® Extension Set with Y-ENFit® for continuous feeding

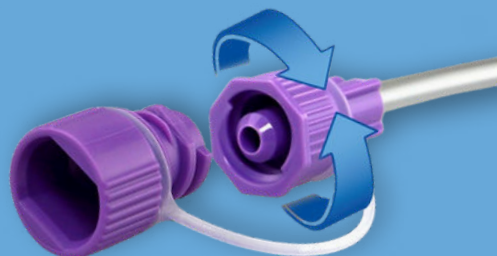


danumed® Extension Set with ENFit® for bolus feeding



What is ENSwivel®?

The ENSwivel® is a rotating ring designed to encircle the ENFit® connector. With a simple “**Two-Finger-Turn**”, the ENSwivel® enables effortless, tight and secure ENFit® connections and avoids twisting of the tubes. **Simple, fast, comfortable.**



ENSwivel® is a registered trademark of danumed Medizintechnik GmbH.

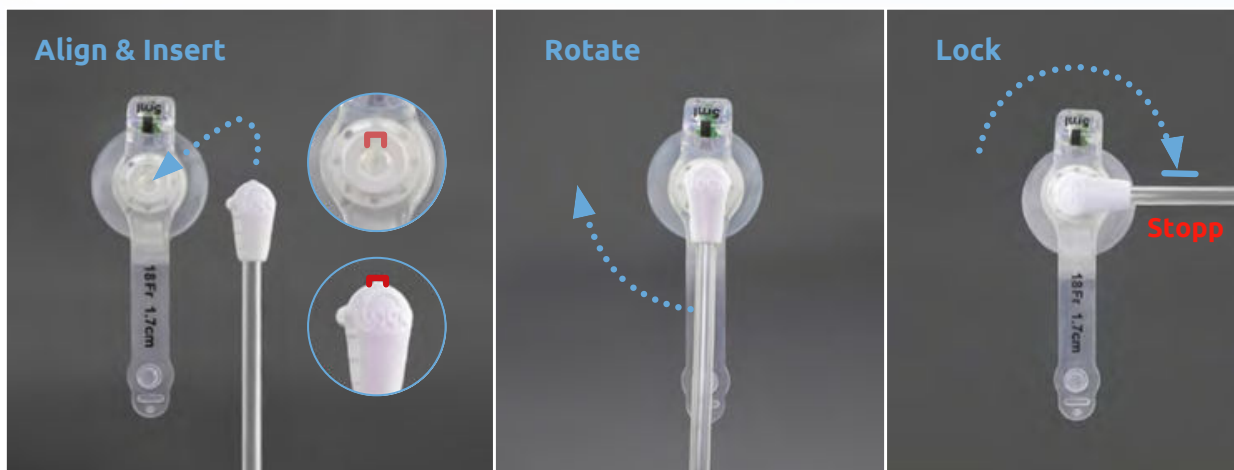
danumed® Syringes

The danumed® Balloon Syringe is a 10 ml Luer slip syringe included in every danuButton® Set. It is used to inflate or deflate the inner retention balloon, check the balloon fill volume, and assist with button replacement.

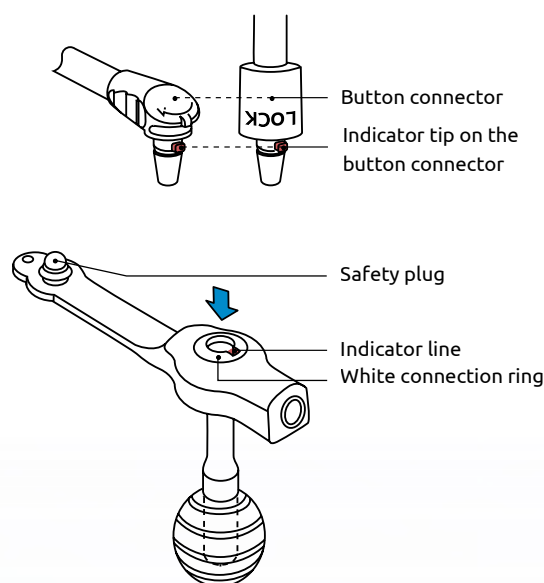
The large 60 ml ENFit® syringe is used for feeding, flushing extension sets, and checking proper button placement.



Attaching a danumed® Extension Set to your danuButton®



- 1 Wash your hands well with soap and water and dry thoroughly.
- 2 Close the tube clamp on the extension set.
- 3 Carefully remove the safety plug from the feeding port of the button.
- 4 Insert the button connector of the extension set into the white feeding port. Make sure the indicator tip on the button connector of the extension set lines up with the indicator line of the white connection ring on the button.
- 5 Gently push the connector down and turn it clockwise (to the right) about 1/4 to 3/4 of a turn, until you feel slight resistance. The extension set is now securely attached.
- 6 Connect your enteral syringe or feeding set to the purple ENFit® connector of the extension set to start feeding. Ensure safe and easy connection of ENFit® devices with the ENSwivel® rotating ring (see section How to connect using the ENSwivel® Rotating Ring).
- 7 To disconnect the extension set after feeding, hold the button and gently turn the button connector counterclockwise until the indicator tip on the connector lines up with the indicator line on the button. Then carefully pull the connector straight out of the button.



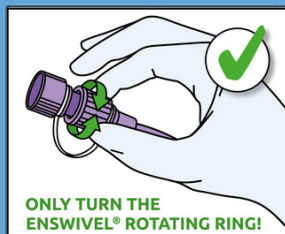
IMPORTANT:

- danumed® Extension Sets are designed for use up to 14 days.
- Remove the extension set from the button when it is not being used.
- Flush and clean the extension set after every feeding and/or medication administration.
- If any impurities or blockages remain, the extension set must be replaced.

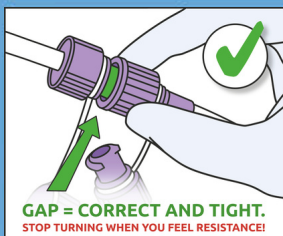
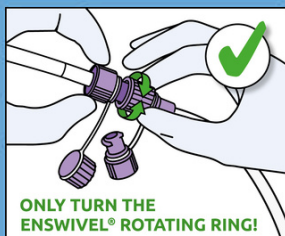
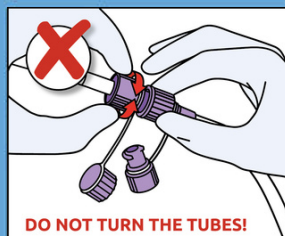
How to Connect Using the ENSwivel® Rotating Ring

The ENFit® connectors of all danumed® Extension Sets are equipped with an ENSwivel® rotating ring, which makes connecting and disconnecting the set easier.

How to connect the cap to the ENFit® connector with the ENSwivel® rotating ring



How to connect two ENFit® systems with the ENSwivel® rotating ring



Use a **simple two-finger turn** to create a secure connection. Only turn the ENSwivel® rotating ring, not the entire connector. The ENSwivel® ring rotates independently, helping to prevent the tubing from twisting during connection.

Stop turning as soon as you feel resistance. This means the connection is tight and correctly secured. A small visible gap will remain between the connectors.

IMPORTANT:

Do not overtighten the connection. Turning until you feel resistance is enough to ensure a secure fit.



Scan the QR Code and get more information on the seamless connection process with the ENSwivel®.

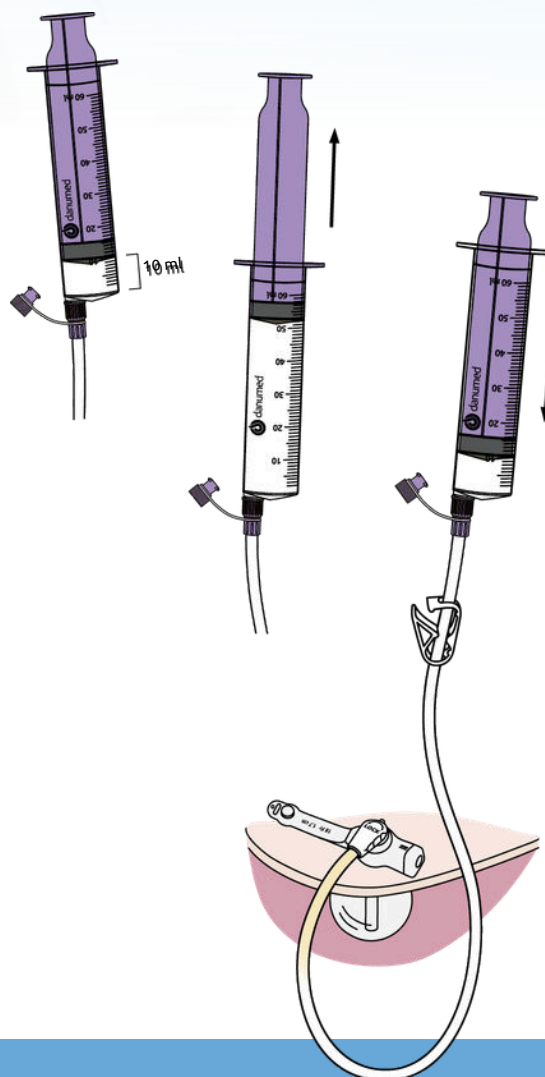
www.danumed.com/products/enswivel/

Feeding through the danuButton®

Proper Placement and Patency

Before feeding, verify that the danuButton® Gastrostomy Button is correctly positioned and not clogged. Follow these steps:

- 1 Connect a danumed® Extension Set to the feeding port of the danuButton®.
- 2 Attach an enteral syringe containing 10 ml of purified water to the purple ENFit® connector of the extension set. If using an extension set with a Y-ENFit® connector, ensure the second connector is securely closed.
- 3 Gently pull back the syringe plunger to aspirate stomach contents. The presence of gastric fluid in the extension set tubing confirms correct placement.
- 4 Flush the stomach contents back into the stomach using the water in the syringe. If resistance is encountered, aspirate again and then reattempt flushing.
- 5 Inspect the stoma site for leakage. If leakage is present, check whether the balloon is properly inflated and confirm that the correct tube size has been selected.



Important Preparations Before Tube Feeding:

Hand hygiene: Always wash your hands thoroughly with soap and water.

Prepare nutrition: Check the feeding formula for the correct type, expiration date, and that it is at room temperature. Shake gently if needed.

Write the date and time on the feeding container. Do not use formula older than 24 hours.

Follow the instructions of your healthcare provider.

Water supply: Always have water ready to flush the gastrostomy tube before and after feedings or medication administration. Use fresh, room-temperature drinking water (purified or high-quality potable water).

Prepare accessories: Make sure that all necessary equipment is clean and ready for use, e.g. an enteral syringe and extension set, or a feeding set. A place to hang your feeding container might be needed, e.g. an IV pole or the flexible FreeArm (*visit www.danumed.com/freearm for more information*).

Correct positioning: Sit upright or in a semi-upright position (at least 30 – 45°) to reduce the risk of aspiration.

Tube check: Verify that the gastrostomy button is in the correct position and not clogged (see section *Proper Placement and Patency*).

Methods of Tube Feeding

The two main tube feeding methods are bolus and continuous feeding.

Bolus feeding, or intermittent feeding, delivers nutrition relatively quickly over 20 – 60 minutes, several times a day. It's typically done using a large enteral syringe (usually 60 ml) and an extension set with Bolus ENFit®.

Continuous feeding provides nutrition at a relatively slow rate over an extended period, usually 24 hours a day, by using a feeding pump or a gravity feeding set connected to a Y-ENFit® extension set.

Bolus Feeding with an Enteral Syringe

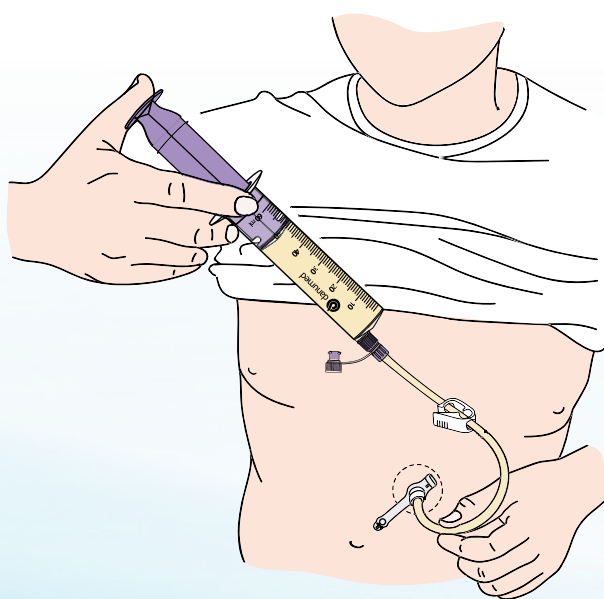
- Before bolus feeding, **prime the tubing** of the extension set to remove air and prevent it from entering the stomach.
- Clamp the extension set and attach an enteral syringe, filled with formula or water, to the purple ENFit® connector.
- Unclamp the extension set and allow the liquid to flow through the extension set tubing until it reaches the white button connector.
- Clamp the extension set and disconnect the syringe.
- Attach the extension set to the danuButton® (see section Attaching a danumed® Extension Set) and continue with the following steps to give a bolus feed using either the push or the gravity method.

Materials you need:

- Feeding formula
- danumed® Enteral Syringe 60 ml or 100 ml
- danumed® Extension Set for bolus feeding
- Fresh, room-temperature drinking water for priming and flushing the system

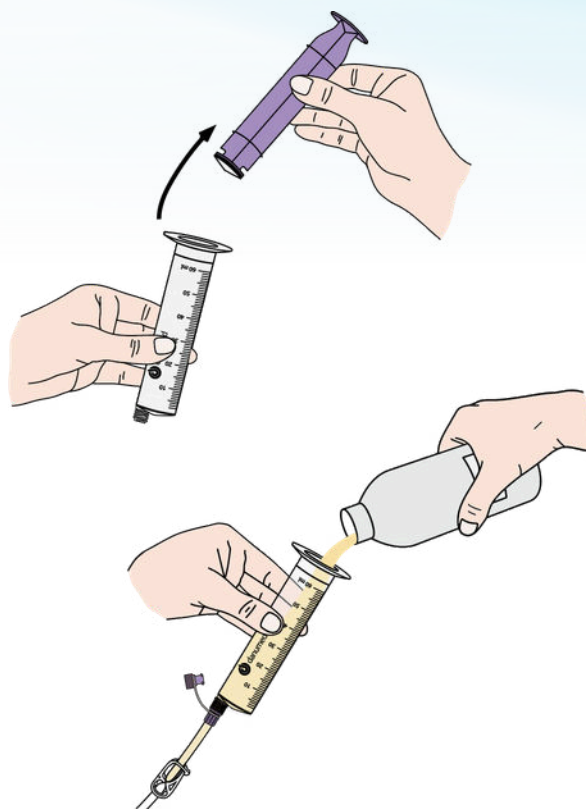
Bolus Feeding Push Method:

- Fill a large enteral syringe with formula by pulling back the plunger.
- Attach the syringe to the primed extension set. Unclamp the extension set and slowly push the formula into the stomach.
- Push slowly to avoid discomfort or nausea. When the syringe is empty, clamp the extension set, disconnect the syringe and repeat these steps until the prescribed amount of formula is given.
- After feeding, add water to the syringe and flush the extension set tubing and the danuButton®, until the tubing appears clear. Make sure that the water flows easily.
- Close the clamp of the extension set to prevent leakage. Detach the extension set and the syringe and close the danuButton® safety plug securely.



Bolus Feeding Gravity Method:

- Remove the plunger from the enteral syringe and connect the syringe to the clamped extension set.
- Slowly pour the prepared formula into the syringe barrel.
- Hold the syringe upright, unclamp the extension set and allow the formula to slowly flow into the stomach. Adjust the flow rate by lowering or raising the syringe. The syringe can be held by hand or with the flexible FreeArm.
- Keep the syringe filled with formula to prevent air from entering the stomach.
- After feeding, add water to the syringe and flush the extension set tubing and the button, until the tubing appears clear. Make sure that the water flows easily.
- Close the clamp of the extension set to prevent leakage. Detach the extension set and syringe, and close the button cap securely.



Visit www.danumed.com/products/freearm for more information on the flexible FreeArm.

Continuous Feeding with a Gravity Feeding Set/Bag

- 1 Attach the gravity feeding set to the extension set. Use the ENSwivel® rotating ring on the ENFit® connector of the extension set for a smooth and secure connection (see section *How to use ENSwivel®*).
- 2 Clamp all tubing.
- 3 Pour the prescribed amount of formula into the feeding bag, gently squeeze out the air, and close the bag.
- 4 Hang the bag securely on an IV pole or use the flexible FreeArm.
- 5 To prime the tubing, unclamp the extension set and slowly open the roller clamp on the gravity feeding set. Let formula flow through the tubing until it reaches the end of the extension set. Close the tube clamp when done.
- 6 Connect the extension set to the danuButton® (see section *Attaching a danumed® Extension Set*).
- 7 When using a Y-ENFit® extension set, make sure that the second port is closed.
- 8 Open all clamps and allow the formula to slowly flow into the stomach. Adjust the flow rate with the roller clamp of the gravity feeding set.
- 9 After feeding, close all clamps (including the roller clamp) and disconnect the gravity feeding set from the extension set. Keep the extension set attached to the danuButton®.
- 10 Fill an enteral syringe with water and flush the extension set and the danuButton®, until the tubing appears clear. Make sure that the water flows easily (see section *Recommendations for Flushing*).
- 11 Close the clamp of the extension set to prevent leakage. Disconnect the extension set and syringe, and close the danuButton® safety plug securely.

Materials you need:

- Prescribed formula
- danumed® Gravity feeding set with attached or separate enteral bag
- danumed® Extension Set with ENFit® connector
- Enteral syringe with ENFit® connector
- Secure place to hang the feeding bag, e.g. an IV pole or the flexible FreeArm (visit www.danumed.com/products/freearm for more information)
- Fresh, room-temperature drinking water for priming and flushing the system



Cleaning the Extension Set

- After each use, clean the extension set with mild soap and warm water until the tubing is clear. This helps prevent contamination and tube blockages.
- Rinse thoroughly and make sure that all formula or soap residuals are completely removed.
- Let it air dry and keep it in a dry and clean place (e.g. a closed container).
- **NEVER** use a dishwasher to clean the extension set!

IMPORTANT:

Clinicians may advise instructions on the duration of extension set use. danumed® Extension Sets are designed for use up to 14 days and must be replaced after this time.

Decompression / Venting

Your healthcare professional may instruct you to decompress your stomach (releasing air, liquid, or food from the stomach) before or after feedings. Decompression helps to reduce pressure in the stomach, which can ease discomfort. Follow these steps for gastric decompression:

- 1 Have a clean container ready to collect stomach contents and ensure your hands and equipment are clean.
- 2 Attach a danumed® Extension Set securely to the danuButton® feeding port (see section *Attaching a danumed® Extension Set*).
- 3 Open the clamp at the extension set and allow the stomach contents to drain freely into the container. This may include air, fluid, or partially digested food.
- 4 After decompression, fill an enteral syringe with room-temperature drinking water. Connect the syringe to the extension set and flush the button and the extension set, until the tubing appears clear.
- 5 Disconnect the extension set and syringe, and close the danuButton® safety plug securely.

Medication Administration

- **Always consult your Medical Professional before giving medications!**
- Use liquid medications whenever possible. When a medication is only available in tablets or capsules, confirm with your Medical Professional whether it is suitable for crushing and mixing with water.
- Never crush enteric-coated medications.
- Check if medication must be taken on an empty or full stomach.
- Do not administer oily, sublingual, buccal, delayed-release tablets or capsules.
- **NEVER** mix medications with formula or administer them together.
- Flush the button with water before and after each medication to prevent interactions with the formula and possible blockage of the button.

Recommendations for Flushing:

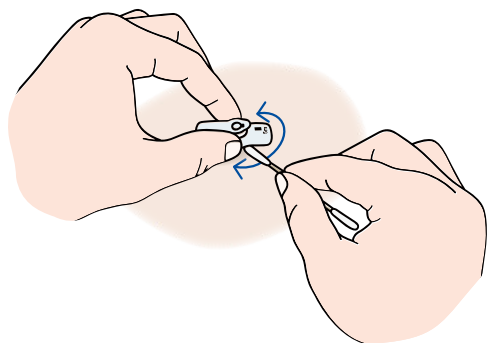
- Flush the system before and after every feeding and medication administration with fresh, room-temperature drinking water (purified or high-quality potable water).
- Use boiled and cooled or sterile water for flushing when advised by your Medical Professional, such as for infants or people with weakened immune systems.
- Never use acidic flushing solutions such as fruit juices or carbonated beverages!
- With continuous feeding, the button must be flushed every 4 to 6 hours, and every 8 hours when not in use.
- For adults, a minimum amount of 20 ml of water is recommended.
- For neonatal or pediatric patients, flush with the lowest volume necessary to maintain button patency.
- Always use an extension set together with an enteral syringe to flush the button.
- Clinician advice should be followed as directed.

General Care and Maintenance

Remember: Always wash your hands thoroughly with soap and water before touching the danuButton® or the skin around the stoma.

Daily Stoma Care:

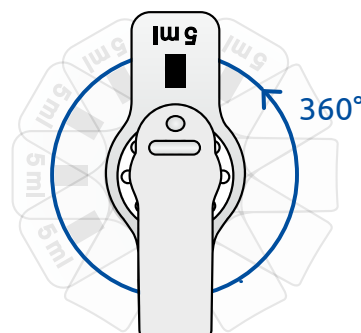
- Check the stoma site for signs of infection, such as redness, swelling, pain, rash, or discharge from the stoma. Also watch for skin irritation.
- Always keep the skin around the stoma clean and dry. Wash gently with warm water and mild soap in small circles, starting at the button and moving outward.
- Use a soft cloth, gauze pad or swabstick to clean and dry the skin.



- Avoid scrubbing the skin or using rough materials. Also avoid harsh soaps or frequent use of disinfectants, as these can irritate the skin over time.
- If you use a dressing, change it when it becomes wet or soiled. Never leave a wet dressing on the skin.
Note: The danuButton® does not require a dressing.
- Only use ointments or creams after your Medical Professional has advised you to do so.
- Take a few minutes to observe the stoma site for any signs of gastric leakage. Leakage around the button can have several causes. For example, the stoma size may have changed, the button may be too loose, or the balloon volume may be incorrect. Frequent or continuous leakage should be assessed by your Medical Professional.

Daily Button Care:

- Gently clean the outside of the button with warm water and mild soap. Then allow the area to air dry completely.
- **Gently rotate** the button by 360° (a full circle) once a day to help maintain mobility, to reduce the risk of skin irritation and to prevent the button from adhering to the skin.



- Check the button for any signs of damage, clogging or unusual discoloration.
- Check that the button can be moved slightly up and down (about 2 – 3 mm) at the skin surface. This helps ensure that the button is not too tight against the skin.
- Flush the button with fresh, room-temperature drinking water before and after each feeding or medication to keep the tube clear and prevent clogging. Always use an extension set for feeding and flushing. See the section *Recommendations for Flushing* for more details.

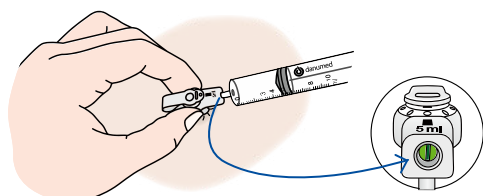
Once-a-Week Balloon Check:

Your danuButton® is held in place by an external base and an internal retention balloon. At least once per week, check the balloon of the danu- Button® to make sure it contains the correct amount of water and is working properly.

Materials you need:

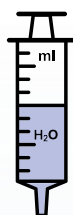
- A danumed® Balloon Syringe 10 ml or another common Luer slip syringe
- Clean gauze pads
- **Sterile or distilled water**

- 1 Hold the button in place with one hand.
- 2 Attach the Luer slip syringe to the green balloon valve. The balloon valve of the danuButton® is tilted to facilitate the connection.
- 3 Gently pull back on the syringe plunger to withdraw all the water from the balloon. The button must remain in place.



- 4 Compare the amount of water you removed with the recommended volume. The table below shows the recommended fill volume by tube size.

Recommended balloon filling volume	
Shaft size in Fr	Balloon volume in ml
12	3 – 5
14	4 – 6
16	5 – 7
18	5 – 7
20	8 – 12
24	8 – 12



- 5 If less water is present, refill the syringe with the missing amount of sterile or distilled water and inject it back into the balloon.

- 6 Disconnect the syringe from the balloon valve.
- 7 If stomach fluid leaks around the button, gently clean it with gauze pads.
- 8 Gently make sure that the button sits comfortably against the skin and can move slightly (about 2 – 3mm) up and down.
- 9 Wait 10 – 20 minutes. Withdraw the water again from the balloon and check the volume. If the volume is less than expected, the button may be leaking.
- 10 In case of leakage, the button must be replaced following the instructions provided.
- 11 In case of any uncertainties, contact your Medical Professional.

IMPORTANT:

Always fill the balloon with the amount of water shown in the table *Recommended balloon filling volume*.

Overinflation can shorten the balloon life, while underinflation may not keep the button securely in place.

Always fill the balloon with sterile or distilled water to ensure a long balloon life.

NEVER fill the balloon with air or inappropriate solutions like saline, tap water or glycerin, as they can damage the balloon and reduce the life span of your button significantly.

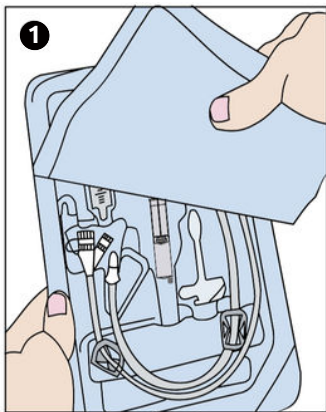
- Air can escape through the balloon wall (diffusion), which causes loss of volume. The button may change its position or even fall out prematurely.
- Saline can crystallize. Crystals can obstruct the balloon valve and also damage the balloon material.
- Tap water contains minerals and microbes, which can cause material damage and functional problems.
- Glycerin is osmotically active and viscous. It can draw water out of the balloon material or attack silicone. This may lead to porosity or leaks.

danuButton® Replacement

Your Medical Professional will advise when to replace the danuButton®. Changing it proactively every three months can help avoid unexpected problems.

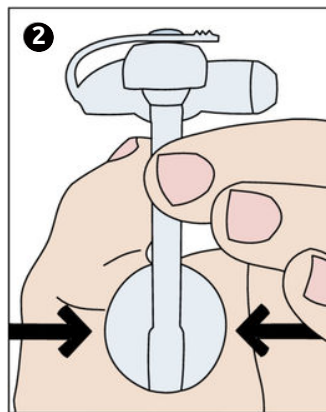
Before use, please wash your hands thoroughly, disinfect if necessary and/or wear disposable gloves. **A spare danuButton® should always be at hand** to prevent the stoma from closing.

Refer to the *danuButton® Instructions for Use* for full details.



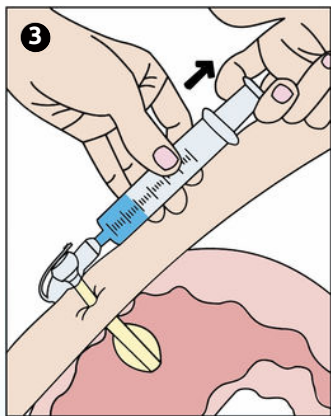
Before you start, check the set and do not use it if the packaging is open or damaged. Make sure you have the correct danuButton® size by confirming that the French size and stoma length match your prescription.

It's also important to have the stoma measured regularly (every 6–12 months, or after significant changes in weight or height) to ensure a proper fit.

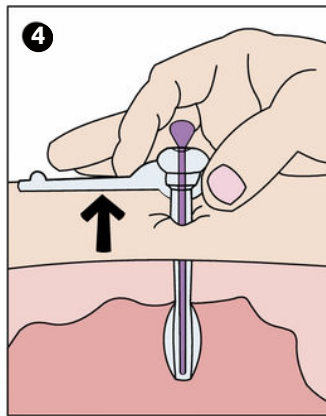


Before placing the new danuButton®, use the 10 ml Luer slip syringe in the set to fill the button balloon with the recommended amount of sterile or distilled water.

Check that the balloon is not leaking and that it is symmetrical in shape. Gently roll it between your fingers to achieve symmetry, if needed. Once checked, fully deflate the balloon before use.

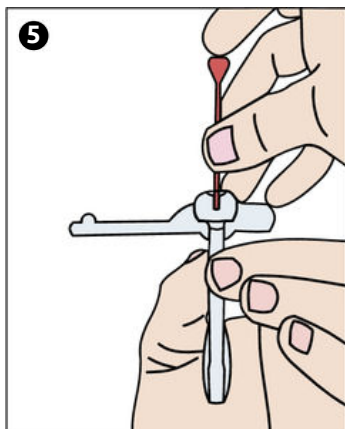


To remove the existing device, attach a Luer slip syringe to the balloon valve and withdraw the water to deflate the balloon.

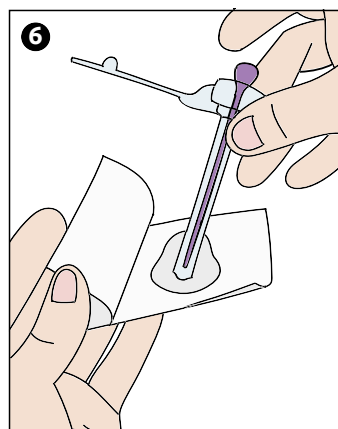


Gently remove the existing device from the stoma using slow, steady pressure. A small amount of water-soluble lubricant may help.

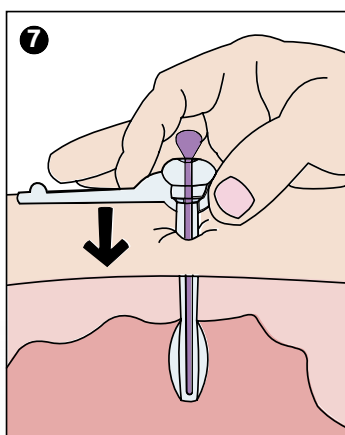
Caution: Never use excessive force to remove a button. If the existing device cannot be removed, inflate the balloon again and contact your Medical Professional.



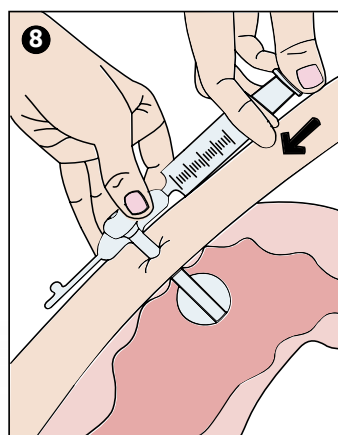
If you choose to use the introducer (insertion aid), gently insert it into the feeding port of the danuButton®.



Apply the provided lubricant to a gauze pad and lubricate the tip of the danuButton®. **IMPORTANT:** Do not use oil or petroleum jelly.



Carefully insert the new danuButton® into the stoma until the external base is flat against the skin. Remove the introducer (insertion aid), if used.



Inflate the balloon with the recommended amount of sterile or distilled water. Apply steady counterpressure to the syringe plunger, otherwise the syringe will refill.

Close the danuButton® and clean the stoma site with gauze pads. Gently pull the danuButton® outward until you can feel a resistance, to position the balloon against the stomach wall.

Check for stomach leakage and for correct placement.

Scan the QR Code and watch the video on how to replace the danuButton®.

www.danumed.com/products/gastrostomy-button/



Problem Solving

Clearing a Button Occlusion

If formula or medicine will not flow through the button, it may be blocked.

- 1 Connect the extension set to the button.
- 2 Fill an enteral syringe with warm water and attach it to the extension set.
- 3 Gently pull back the plunger and then push it down to help loosen the blockage.
- 4 If the button is still blocked, try again. Repeated gentle pulling and pushing of the plunger will remove most blockages.
- 5 If the occlusion persists, consult your Medical Professional.

WARNINGS:

- Do not use acidic beverages (e.g. fruit juices) or carbonated drinks (e.g. cola).
- If the occlusion is persistent and cannot be cleared, the gastrostomy button must be replaced.
- Do not insert any foreign objects into the button.

Balloon Asymmetry

Before inserting the button, inflate the balloon and check that it looks even and round.

Balloon deformation is usually caused by excessive force or tension applied to the button (e.g. pulling the button through the stoma during balloon inflation). This may occur if the button shaft is too short for the patient's stoma tract. The patient may need to be remeasured for a longer button.

If the balloon is not severely deformed, it may be gently massaged back into a symmetrical shape using your fingers. The product should be replaced if the balloon is significantly deformed.

Leakage or Occlusion of the Anti-Reflux Valve

Leakage or occlusion of the anti-reflux valve is generally caused by residues (formula, medication, gastric contents, etc.) accumulating in the valve area and preventing the valve from closing completely. Ensure that the device is flushed after each use (see section *Recommendations for Flushing*).

Leakage may also result from excessive gastric pressure (see section *Decompression/Venting*).

Avoid using too much force when giving feeds or medicines. Too much pressure over time can damage the valve.

Leakage of Balloon Water

If you notice that the balloon is losing water:

- 1 Fully deflate the balloon.
- 2 Carefully remove the device from the stoma.
- 3 Refill the balloon with the recommended amount of water.
- 4 Gently press and massage the balloon and shaft to check for leaks.
 - If you see leakage, replace the device.
 - If there is no leakage, deflate the balloon again, reinsert the device, and refill it to the recommended volume.
 - Do not overinflate or underinflate the balloon.

IMPORTANT:

The balloon material is semi-permeable. Over time, it may slowly lose a small amount of water, depending on environmental and usage conditions. Check the balloon volume regularly as instructed by your Medical Professional and as described in section *Care and Maintenance / Once-a-week Balloon Check*.

Leakage of Stomach Contents

You may notice formula or stomach contents leaking from around your button. Occasional leakage can happen, but frequent leakage requires attention.

- **The button may be the wrong size.** Confirm that your button matches the prescribed size (Fr) and length (cm). Weight gain or weight loss may cause the button to fit too tightly or too loosely. Your Medical Professional should remeasure your stoma to ensure the correct fit.
- **The internal balloon may have lost water or be damaged.** Check the balloon water volume according to your care instructions (see section *Once-a-week Balloon Check*). Refill with the recommended amount of sterile or distilled water if needed. If the balloon does not hold water, it may be damaged and needs to be replaced.
- **Increased pressure in the stomach can also cause leakage.** This may occur due to constipation, gas or bloating, feeding too quickly, or giving too much formula at one time. Make sure feeds are given at the prescribed rate and volume. Reduce stomach pressure by venting and decompressing the stomach (see section *Decompression/Venting*). Sit upright during and after feeding, if possible.

Tips to Prevent Hypergranulation Tissue

If you notice hypergranulation tissue around your stoma, always contact your Medical Professional. To keep the stoma site healthy and comfortable and to help prevent hypergranulation tissue from growing, consider the following causes and practical advice.

- **Excess moisture around the stoma may promote tissue overgrowth.** Leakage of formula or stomach contents can irritate the skin and stimulate the formation of hypergranulation tissue. Always keep the stoma area clean and dry. Manage leakage promptly and change dressings as needed.
- **Friction or movement of the button can irritate the stoma.** A device that moves too much may rub against the skin and cause excess tissue growth. Secure the button properly to prevent pulling or tension. Check that the button sits comfortably against the skin and avoid unnecessary pressure on the stoma.
- **The button may be the wrong size or fit.** A device that is too loose or too tight can cause pressure and irritation, and stimulate tissue growth. Your Medical Professional should check the fit of the button and remeasure the stoma if needed.

Additional Support for Your Issues:

You don't have to handle this on your own. There are many people and organizations ready to support you and answer your questions about enteral feeding.

Your Medical Professional should always be your first point of contact for any concerns related to your gastrostomy button. In addition, the following resources can offer extra reassurance, guidance, and support:

OLEY Foundation at www.oley.org
 ASPEN Nutrition Science & Practice at www.nutritioncare.org
 GEDSA and ENFit® at www.stayconnected.org
 ESPEN Guidelines and Education at www.espen.org/

When to call your Medical Professional?

It is important to monitor your stoma and surrounding skin every day. Call your Medical Professional, if any of the following are observed:

Signs of infection, inflammation or severe skin problems at the stoma site

- Redness, swelling, warmth, or increasing pain around the stoma

IMPORTANT:

If the stoma bleeds (more than a small amount), or if it looks like blood is mixed with stomach contents, call your Medical Professional immediately.

- Bleeding, pus, or foul-smelling (unpleasant) drainage
- Skin that is discolored, weeping, raw, or ulcerated
- Persistent soreness or irritation that does not improve
- Excess tissue growth around the stoma (e.g., granulation tissue)

General symptoms of illness:

- Fever
- Vomiting
- Diarrhea

Problems with leakage:

- Repeated leakage of formula or stomach contents around the stoma site

Tube issues and feeding problems:

- The button becomes blocked, cracked, or damaged
- The button falls out and cannot be easily reinserted
- Difficulty flushing the button or giving feeds or medications

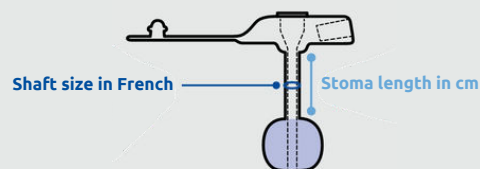
IMPORTANT:

Never ignore new or worsening symptoms. If you are unsure whether a symptom is serious, it's safest to contact your Medical Professional for advice.



Product Codes

danuButton PremiumSet®



Shaft Size in French						
	12	14	16	18	20	24
0.8	DA 1041 1208	DA 1041 1408	DA 1041 1608	DA 1041 1808	DA 1041 2008	DA 1041 2408
1.0	DA 1041 1210	DA 1041 1410	DA 1041 1610	DA 1041 1810	DA 1041 2010	DA 1041 2410
1.2	DA 1041 1212	DA 1041 1412	DA 1041 1612	DA 1041 1812	DA 1041 2012	DA 1041 2412
1.5	DA 1041 1215	DA 1041 1415	DA 1041 1615	DA 1041 1815	DA 1041 2015	DA 1041 2415
1.7	DA 1041 1217	DA 1041 1417	DA 1041 1617	DA 1041 1817	DA 1041 2017	DA 1041 2417
2.0	DA 1041 1220	DA 1041 1420	DA 1041 1620	DA 1041 1820	DA 1041 2020	DA 1041 2420
2.3	DA 1041 1223	DA 1041 1423	DA 1041 1623	DA 1041 1823	DA 1041 2023	DA 1041 2423
2.5	DA 1041 1225	DA 1041 1425	DA 1041 1625	DA 1041 1825	DA 1041 2025	DA 1041 2425
2.7	DA 1041 1227	DA 1041 1427	DA 1041 1627	DA 1041 1827	DA 1041 2027	DA 1041 2427
3.0	DA 1041 1230	DA 1041 1430	DA 1041 1630	DA 1041 1830	DA 1041 2030	DA 1041 2430
3.5	DA 1041 1235	DA 1041 1435	DA 1041 1635	DA 1041 1835	DA 1041 2035	DA 1041 2435
4.0	DA 1041 1240	DA 1041 1440	DA 1041 1640	DA 1041 1840	DA 1041 2040	DA 1041 2440
4.5	DA 1041 1245	DA 1041 1445	DA 1041 1645	DA 1041 1845	DA 1041 2045	DA 1041 2445
5.0	DA 1041 1250	DA 1041 1450	DA 1041 1650	DA 1041 1850	DA 1041 2050	DA 1041 2450
5.5		DA 1041 1455				
6.0		DA 1041 1460		DA 1041 1860		
6.5		DA 1041 1465				

danuButton® Compact XS

Shaft Size in French						
	12	14	16	18	20	24
0.8	DA 1043 1208	DA 1043 1408	DA 1043 1608	DA 1043 1808	DA 1043 2008	DA 1043 2408
1.0	DA 1043 1210	DA 1043 1410	DA 1043 1610	DA 1043 1810	DA 1043 2010	DA 1043 2410
1.2	DA 1043 1212	DA 1043 1412	DA 1043 1612	DA 1043 1812	DA 1043 2012	DA 1043 2412
1.5	DA 1043 1215	DA 1043 1415	DA 1043 1615	DA 1043 1815	DA 1043 2015	DA 1043 2415
1.7	DA 1043 1217	DA 1043 1417	DA 1043 1617	DA 1043 1817	DA 1043 2017	DA 1043 2417
2.0	DA 1043 1220	DA 1043 1420	DA 1043 1620	DA 1043 1820	DA 1043 2020	DA 1043 2420
2.3	DA 1043 1223	DA 1043 1423	DA 1043 1623	DA 1043 1823	DA 1043 2023	DA 1043 2423
2.5	DA 1043 1225	DA 1043 1425	DA 1043 1625	DA 1043 1825	DA 1043 2025	DA 1043 2425
2.7	DA 1043 1227	DA 1043 1427	DA 1043 1627	DA 1043 1827	DA 1043 2027	DA 1043 2427
3.0	DA 1043 1230	DA 1043 1430	DA 1043 1630	DA 1043 1830	DA 1043 2030	DA 1043 2430
3.5	DA 1043 1235	DA 1043 1435	DA 1043 1635	DA 1043 1835	DA 1043 2035	DA 1043 2435
4.0	DA 1043 1240	DA 1043 1440	DA 1043 1640	DA 1043 1840	DA 1043 2040	DA 1043 2440
4.5	DA 1043 1245	DA 1043 1445	DA 1043 1645	DA 1043 1845	DA 1043 2045	DA 1043 2445
5.0	DA 1043 1250	DA 1043 1450	DA 1043 1650	DA 1043 1850	DA 1043 2050	DA 1043 2450
5.5		DA 1043 1455				
6.0		DA 1043 1460		DA 1043 1860		
6.5		DA 1043 1465				

danumed® Extension Set with angled button connector

	REF	Description	Length	Connector
	DA 1011 3011	Extension set, sterile, 30 cm, ENFit®, ENSwivel®	30 cm	ENFit®
	DA 1010 3011	Extension set, non-sterile, 30 cm, ENFit®, ENSwivel®	30 cm	ENFit®
	DA 1011 6011	Extension set, sterile, 60 cm, ENFit®, ENSwivel®	60 cm	ENFit®
	DA 1010 6011	Extension set, non-sterile, 60 cm, ENFit®, ENSwivel®	60 cm	ENFit®
	DA 1011 0521	Extension set, sterile, 5 cm, Y-ENFit®, ENSwivel®	5 cm	Y-ENFit®
	DA 1011 3021	Extension set, sterile, 30cm, Y-ENFit®, ENSwivel®	30 cm	Y-ENFit®
	DA 1010 3021	Extension set, non-sterile, 30 cm, Y-ENFit®, ENSwivel®	30 cm	Y-ENFit®
	DA 1011 6021	Extension set, sterile, 60 cm, Y-ENFit®, ENSwivel®	60 cm	Y-ENFit®
	DA 1010 6021	Extension set, non-sterile, 60 cm, Y-ENFit®, ENSwivel®	60 cm	Y-ENFit®

danumed® Extension Set with straight button connector

	REF	Description	Length	Connector
	DA 1011 3032	Extension set, sterile, 30 cm, Bolus-ENFit®, ENSwivel®	30 cm	Bolus ENFit®
	DA 1010 3032	Extension set, non-sterile, 30 cm, Bolus-ENFit®, ENSwivel®	30 cm	Bolus ENFit®
	DA 1011 6032	Extension set, sterile, 60 cm, Bolus-ENFit®, ENSwivel®	60 cm	Bolus ENFit®
	DA 1010 6032	Extension set, non-sterile, 60 cm, Bolus-ENFit®, ENSwivel®	60 cm	Bolus ENFit®



danumed Medizintechnik GmbH

Individual solutions are our standard.

We are a family-run, innovative, German medical technology company with high quality standards, many years of expertise in enteral nutrition and a clear customer focus.

Individual customer requests are met with flexibility and reliability.
Personal, competent, collaborative.

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