

Nostril retainers

operative technique

Mission

Together with our Customers,
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to make healthcare better.



Purpose of operative technique

The purpose of this operative technique document is to showcase the features of nostril retainers and the nostril retainer sizer set.

Device description

The nostril retainer is a small U shaped device made of medical grade silicone. The legs of the U are nasal stents designed to fit the shape of the nostril. The legs are connected by a nasal bridge that lies across the columella. Extending laterally from the legs are retention wings which are utilized for attaching the retainer to the patient.

Indications for use

The nostril retainer is designed for use after aesthetic and reconstructive rhinoplasty, after rhinoseptoplasty, after rhinoseptochelioplasty, and/or primary and secondary rhinocheiloplasty, to aid in preventing nostril distortion.

Compatible Stryker products

Nostril retainer sizer set (silicone, non-sterile), p/n 92-7236: An optional accessory which may be used to size the patient for the appropriate nostril retainer size.

Sterilization

The nostril retainers are provided sterile (by ethylene oxide sterilization) and are single use devices.

CAUTION: The nostril retainers must not be resterilized nor reused.



Important information

The materials contained in this operative technique have been provided for general information purposes only. The information contained in this booklet cannot and should not replace the independent medical judgement of the treating physician.

As a manufacturer, Stryker does not provide medical advice or services. It is always the responsibility of the treating physician to determine the appropriate treatment and technique, based on the physician's medical knowledge and the individual circumstances of the particular case. It is also the treating physician's sole responsibility to inform the patient about potential risks, complications, and benefits of certain products and procedures.

Important note

As with any medical device, infections and other complications not related to the device itself may result. It is most important that the highest level of aseptic care be used when handling and preparing the nostril retainers.

During patient use of the nostril retainers, it is the responsibility of the treating physician to provide guidance to the patient users on maintenance of the nostril retainer and potential risks.

Product material information

The nostril retainers are manufactured from medical grade silicone, a material selected to accommodate insertion of the nasal stents in the patient's nostrils, based on the strength and surface properties.

Catalog no.	Size no. *	Description	Dimensions	Design group
7238	R1-L1	Nostril retainer - size 1	16x23x7mm	Symmetric straight wings
7239	R2-L2	Nostril retainer - size 2	17x24x8mm	Symmetric straight wings
7240	R3-L3	Nostril retainer - size 3	19x25x9mm	Symmetric straight wings
7241	R4-L4	Nostril retainer - size 4	19x26x9mm	Symmetric straight wings
7242	R5-L5	Nostril retainer - size 5	20x27x10mm	Symmetric straight wings
7243	R6-L6	Nostril retainer - size 6	21x28x11mm	Symmetric straight wings
7244	R7-L7	Nostril retainer - size 7	23x29x11mm	Symmetric straight wings
7245	R8-L8	Nostril retainer - size 8	24x30x13mm	Symmetric straight wings
7246	R9-L9	Nostril retainer - size 9	25x31x14mm	Symmetric straight wings
7247	R10-L10	Nostril retainer - size 10	25x32x15mm	Symmetric straight wings
7248	R11-L11	Nostril retainer - size 11	27x33x16mm	Symmetric straight wings
7249	R12-L12	Nostril retainer - size 12	28x34x17mm	Symmetric straight wings
7250	R13-L13	Nostril retainer - size 13	29x34x18mm	Symmetric straight wings
92-7238	R1-L1	Nostril retainer - symmetric R1-L1	16.08x23x7.02mm	Symmetric modified loops
92-7239	R2-L2	Nostril retainer - symmetric R2-L2	17.1x24x8.04mm	Symmetric modified loops
92-7239-1	R1-L2	Nostril retainer - asymmetric R1-L2	16.96x23x(R7.02, L8.04)mm	Asymmetric modified loops
92-7239-2	R2-L1	Nostril retainer - asymmetric R2-L1	16.96x23x(R8.04, L7.02)mm	Asymmetric modified loops
92-7240	R3-L3	Nostril retainer - symmetric R3-L3	18.9x25x8.13mm	Symmetric modified loops
92-7240-1	R2-L3	Nostril retainer - asymmetric R2-L3	18.6x24x(R8.04, L8.13)mm	Asymmetric modified loops
92-7240-2	R3-L2	Nostril retainer - asymmetric R3-L2	18.6x24x(R8.13, L8.04)mm	Asymmetric modified loops
92-7241	R4-L4	Nostril retainer - asymmetric R4-L4	19.5x26.3x9.04mm	Symmetric modified loops
92-7241-1	R3-L4	Nostril retainer - asymmetric R3-L4	19.4x25x(R8.13, L9.04)mm	Asymmetric modified loops
92-7241-2	R4-L3	Nostril retainer - asymmetric R4-L3	19.4x25x(R9.04, L8.13)mm	Asymmetric modified loops
92-7236	-	Nostril retainer sizer set	-	-

*Sizes described as 'R' right – 'L' left

Nostril retainer design features

Availability of nostril retainer features		
	Straight wing	Modified wing
Symmetric nasal stents	Sizes 1-13	Sizes 1-4
Asymmetric nasal stents	Not available	Sizes 1-4

The diagram illustrates the anatomical placement of a nostril retainer on a patient's nose. Labels include: Nasal Bridge, Nasal Stents, Retention Wing, and Size Identifier. Below the anatomical diagram are four types of retainers: Symmetric Nasal Stents, Asymmetric Nasal Stents, Straight Wing, and Modified Loop.

Note

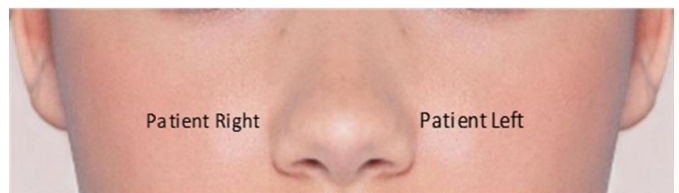
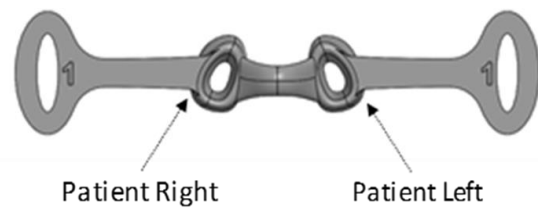
The nostril retainers are provided in multiple sizes and design configurations. Careful attention should be paid to the size identifier located on each wing of each nostril retainer to assure the appropriate size and design configuration is selected for the patient.

Orientation

Looking at the top of the retainer (bridge and wings), the nasal stent openings should angle up and inward, with the narrow end of the egg shape openings tilting inward.

Note

The size identifiers are designed so that when the retainer is inserted in the appropriate orientation, the numbers should be oriented correctly when looking towards the patient's face. If the numbers appear to be incorrectly oriented, the retainer has been inserted in the incorrect direction.



Usage

Following appropriate orientation and insertion of the nostril retainers, it is the responsibility of the treating clinician to ensure the nostril retainer is fixated to the patient.

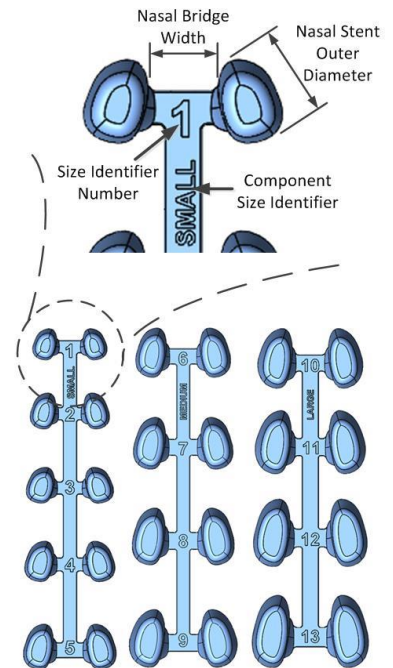
Optional sizing assistance with the sizer set

The nostril retainer sizer set is an optional accessory which may be used for assistance with selecting the appropriate nostril retainer size for the patient.

The nostril retainer sizer set is manufactured from a medical grade blue silicone. The sizer set is provided non-sterile and is intended to be sterilized and re-processed per the provided cleaning and sterilization instructions 775. The sizer should be re-processed for each patient use.

The sizer set has three components, which overall provide a mechanism for assessing the patient's best fit for nostril retainer sizes 1-13:

- **Small** - sizes 1-5
- **Medium** - sizes 6-9
- **Large** - sizes 10-13



Each sizer component has identifier numbers which correlate to the nostril retainer size they represent. The sizers are designed to represent the nasal stents (when trimmed) and bridge width (distance between right and left nasal stents) for all retainer designs.

Instructions for sizing with sizer set

- To evaluate size options for the patient, insert the sizer nasal stents into the patient's nostrils (following the same orientation guidance in the section prior). The sizer can be bent to isolate a single size and/or a single nasal stent.
- The various size nasal stents can be tested until the best fit is found.

Note

Be aware to avoid excessive force when inserting the sizer set nasal stents. If it appears the nasal stents are too large and will not insert into the nostrils without excessive force, too large of a retainer sizer may have been chosen.



A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery. The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Manufactured by:

Stryker Leibinger GmbH & Co. KG
Botzinger Strabe 41
D-7911 Freiburg, Germany
t: +49 (0) 761 4512-0
f: +49 (0) 761 4512-120

Distributed by:

Stryker Craniomaxillofacial
Kalamazoo, MI 49002 USA
t: 269 389 5346
toll free: 800 962 6558
f: 877 648 7114
cmf.stryker.com

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