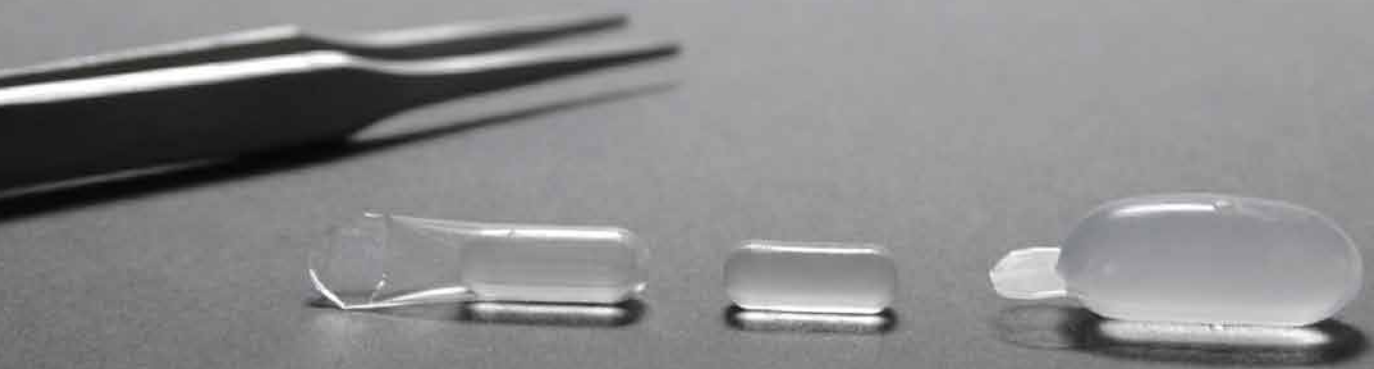


Tissue Expander Cylinder

Hydrogel implant for gaining soft tissue



| Introduction: Self-inflation by osmotic principle

osmed self-inflating tissue expanders are made of a specially developed hydrogel that uses the osmotic principle to gain volume.

Before expansion, osmed hydrogel expanders are small and hard and are easy to handle. After implantation, osmed hydrogel expanders absorb body fluid and grow consistently to their predefined form and size. The expanders are sheathed with a perforated silicone shell for controlled slow influx of body fluid and slow continuous swelling. The increasing volume of the expander stimulates growth of soft tissue.

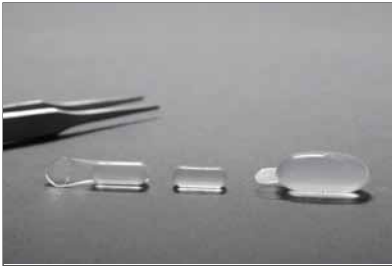
General advantages of osmed tissue expanders are: safe material, low complication rate, low risk of infection, small incision, minimal trauma and short surgical time; controlled swelling without pressure peaks. A short surgical time reduces post-operative pain and saves costs.

| Indications for use

- ⤿ Cleft palate
- ⤿ Reconstruction of small deformities - e. g. Kallmann syndrome
- ⤿ Syndactyly

This device is intended for temporary implantation.

Dimensions

		Before swelling			After swelling*		
Order No.	Item	Volume**	Length**	Diameter**	Volume	Length	Diameter
352-3024	Cylinder 0.24 ml	0.045 ml	7.5 mm	3 mm	0.24 ml	12 mm	6 mm
352-3070	Cylinder 0.7 ml	0.15 ml	12 mm	4 mm	0.7 ml	20 mm	7 mm
352-3130	Cylinder 1.3 ml	0.25 ml	13 mm	5 mm	1.3 ml	22 mm	9 mm
352-3210	Cylinder 2.1 ml	0.42 ml	15 mm	6 mm	2.1 ml	24 mm	10.5 mm

* in vitro in 0.9% NaCl-Sol.

** without silicone shell

In-vitro-swelling-curve*

* in-vitro in 0.9% NaCl -solution

