Tissue Expanders®

POLYsmooth™ | POLYtxt®

Silicone-shell tissue expanders with smooth or textured surface and a remote or integrated valve

Implants made by POLYTECH – QUALITY made in Germany

POLYTECH health & aesthetics
## Tissue Expanders CE 0483

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Dimensions (mm)</th>
<th>Volume (ml)</th>
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<tbody>
<tr>
<td>POLYsmooth™</td>
<td>POLYtxt™</td>
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</table>

### Round, with remote valve
- **51627-100**: 100
- **51627-200**: 200
- **51627-300**: 300
- **51627-400**: 400
- **51627-500**: 500
- **51627-600**: 600
- **51627-700**: 700
- **51627-800**: 800

### Round, with integrated valve & permanent magnet
- **50627-200**: 200
- **50627-300**: 300
- **50627-400**: 400
- **50627-500**: 500
- **50627-600**: 600
- **50627-700**: 700
- **50627-800**: 800

### Crescent, with remote valve
- **51690-200**: 200
- **51690-300**: 300
- **51690-400**: 400
- **51690-700**: 700

### Crescent, with integrated valve & permanent magnet
- **50690-200**: 200
- **50690-300**: 300
- **50690-400**: 400
- **50690-700**: 700

### Magnet finder
**20738-012** unsterile

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*approximate measurements*
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*Approximate measurements*

**Magnet finder**

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Product Description
Tissue expanders are used to create transplantable tissue by expansion. Depending on the indication, tissue expanders are available in different shapes, volumes and surfaces. On the inside, all expanders are equipped with a reinforced base to increase the stability of the posterior contact area and to support the directional expansion.

Information on Materials
The tissue expanders with integrated valve and the tissue expanders with remote valve have a shell consisting of silicone elastomer. Both are available with either the POLYsmooth™ smooth or the POLYtxt™ textured surface (pore size texturing: 1 200–300 µm, Ø 100–400 µm). All valves dispose of a puncture barrier.

After implantation, the use of the magnet finder guarantees an easy localization of the integrated valve (Ø 20 mm) equipped with a permanent magnet. The cardanic mechanism of the indicator magnet allows for exact determination of the valve position and the correct direction of the injection.

The remote valves are connected to their tissue expanders via a tubing system variable in length and a connector. Each of these expanders is delivered with a big (Ø 17 mm) and a small (Ø 11 mm) valve. The expanders are filled through the valve with physiological (0.9%), sterile, pyrogen-free saline solution using a cannula (Ø ≤ 23G).

Production of the expanders is based on a quality management according to ISO 9001 and ISO 13485. All materials used are of implantable medical quality.

Indications
• temporary expansion of tissue and skin, e.g. for reconstruction after ablatio mammae, after burns or after trauma-induced loss of tissue
• temporary expansion of tissue and skin to correct combined breast and thorax deformities, e.g. Poland Syndrome, Pectus excavatum

Important Information
ATTENTION: expanders with integrated magnets must not be implanted in patients who have pacemakers or patients who need an MRI examination during the implantation period.

Custom-made products: expanders with specific dimensions and characteristics can be manufactured on request.

Tissue expanders are delivered individually packed and sterile.

One magnet finder is packed with each tissue expander with integrated magnetic valve. Additional magnet finders can be ordered separately. They are delivered individually packed and unsterile.

Attention: Please study the detailed instructions for use included with each product.