

Alecta™

Corpectomy Mesh System

SURGICAL TECHNIQUE & SET INFORMATION

The ALECTA Corpectomy Mesh System Description

Purpose

The Alecta Corpectomy Mesh are intended to help provide stabilization of spinal segments as an adjunct to fusion of the thoracic, lumbar spine.

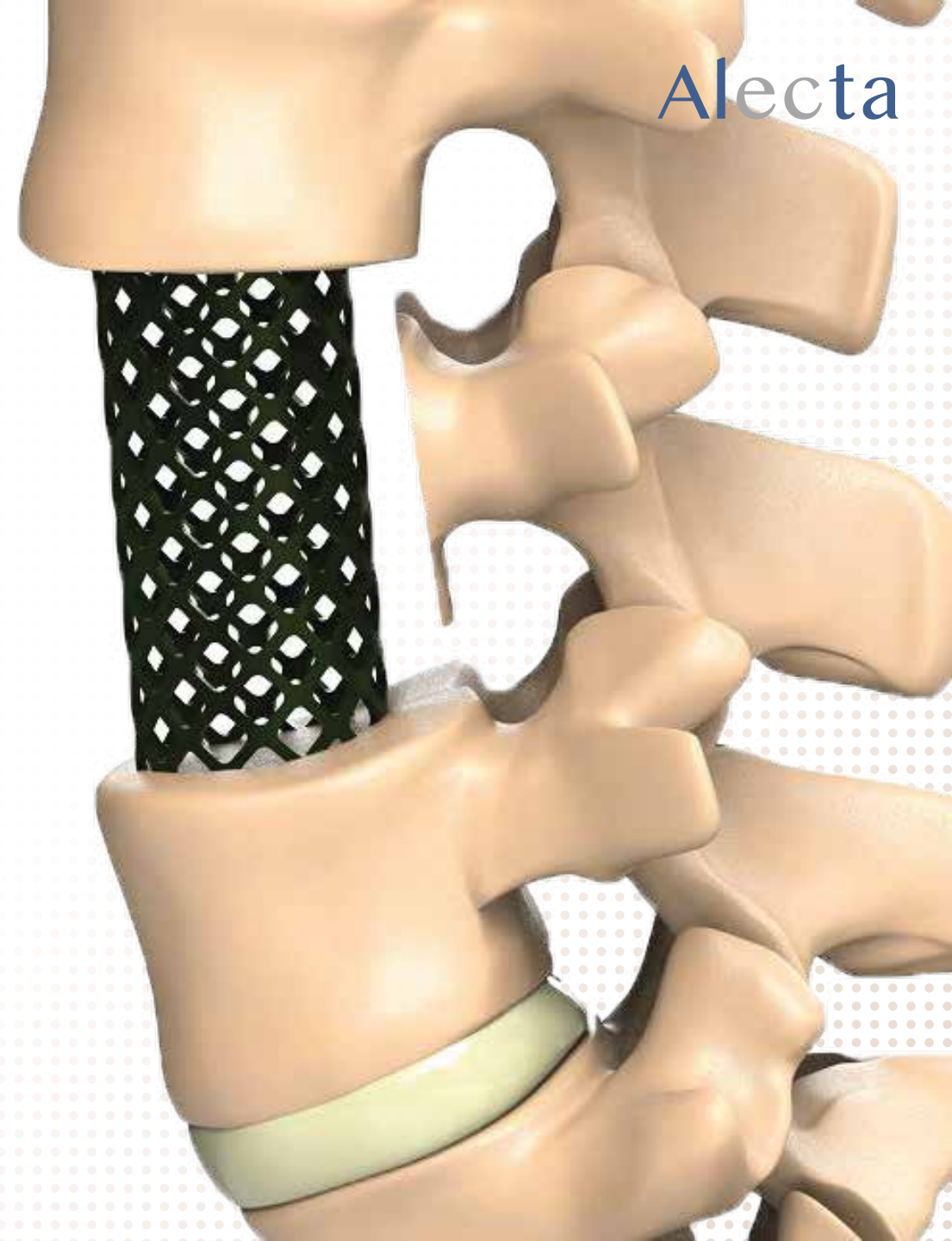
General Description

The Alecta Corpectomy Mesh is an implant designed to replace the vertebral body.

The different sizes of the Corpectomy Implants allow replacement of the vertebral body in the cervical, thoracic and lumbar region.

Titanium alloy implants in various footprints and heights enable the surgeon to choose the configuration that is best suited to the patient's individual pathology and anatomy.

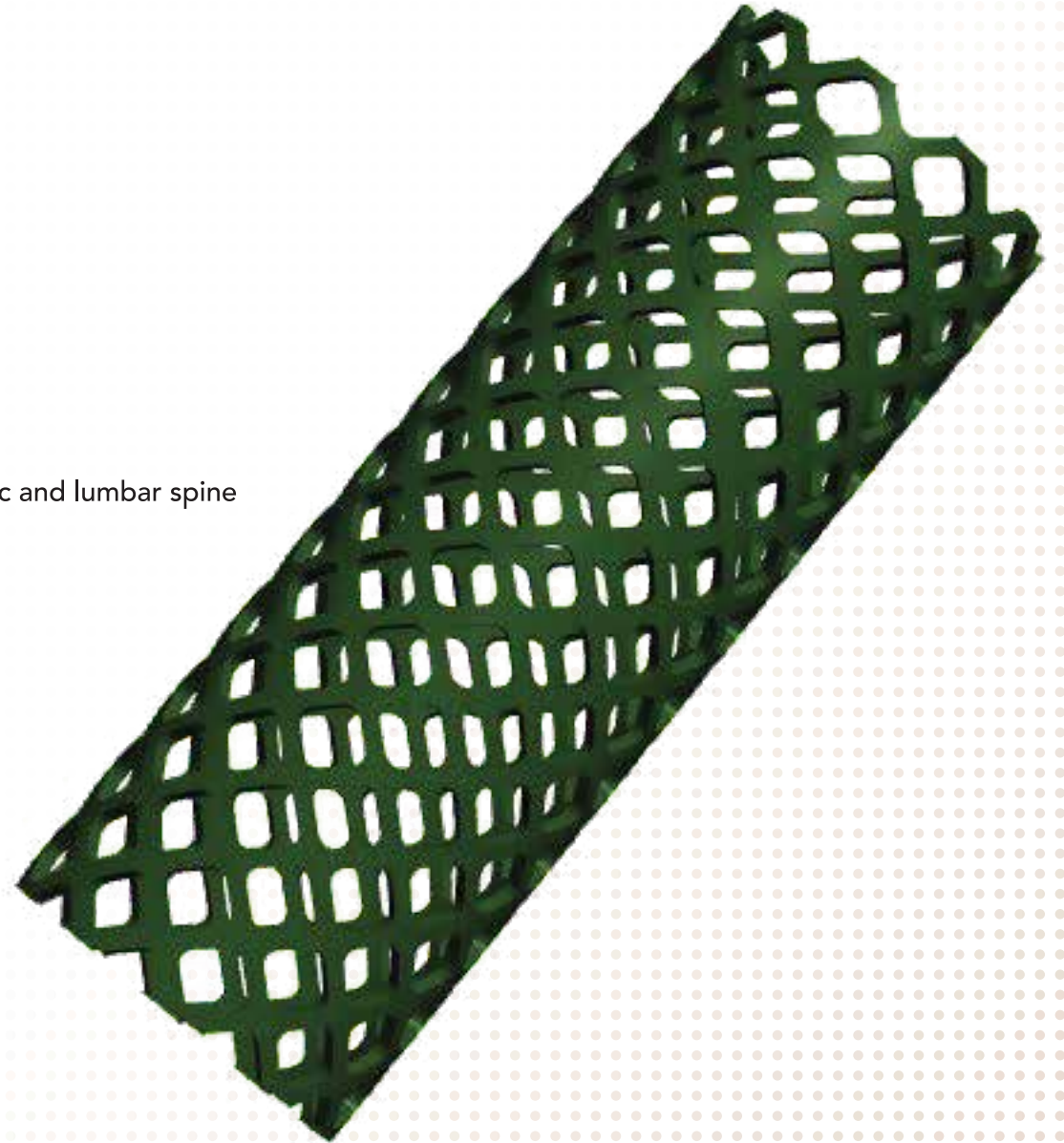
The mesh may also be trimmed for a custom fit.



The ALECTA Corpectomy Mesh System Description

The implants can be inserted anteriorly, laterally or anterolaterally.

- The round and cylindrical implants are designed to treat defects in the cervical, thoracic and lumbar spine
- Available in a wide variety of diameters, lengths and styles
- Greater strength limits deformation
- Greater thickness provides more surface area coming into contact with host bone
- Less deformation during impaction and even stress distribution
- Less risk of damaging soft tissues
- Smooth insertion
- Easier manipulation into tight spaces
- Provides enhanced imaging and excellent biocompatibility



The Corpectomy Mesh System

Indications & Contraindications

Indications

The corpectomy implant is a surgical implant that allows reconstruction of the intervertebral space via the anterior approach;

- Vertebral body tumors
- Fracture of the anterior spine
- Vertebral reconstruction following monosegmental or multisegmental corpectomy

Contraindications

- Local infection or inflammation
- Vertebral osteoporosis
- Malignant vertebral disease
- Allergy to or intolerance of titanium or its alloys
- Incompatible age or physical condition of the patient.
- Any cases not included in the indications

The Corpectomy Mesh System Surgical Technique

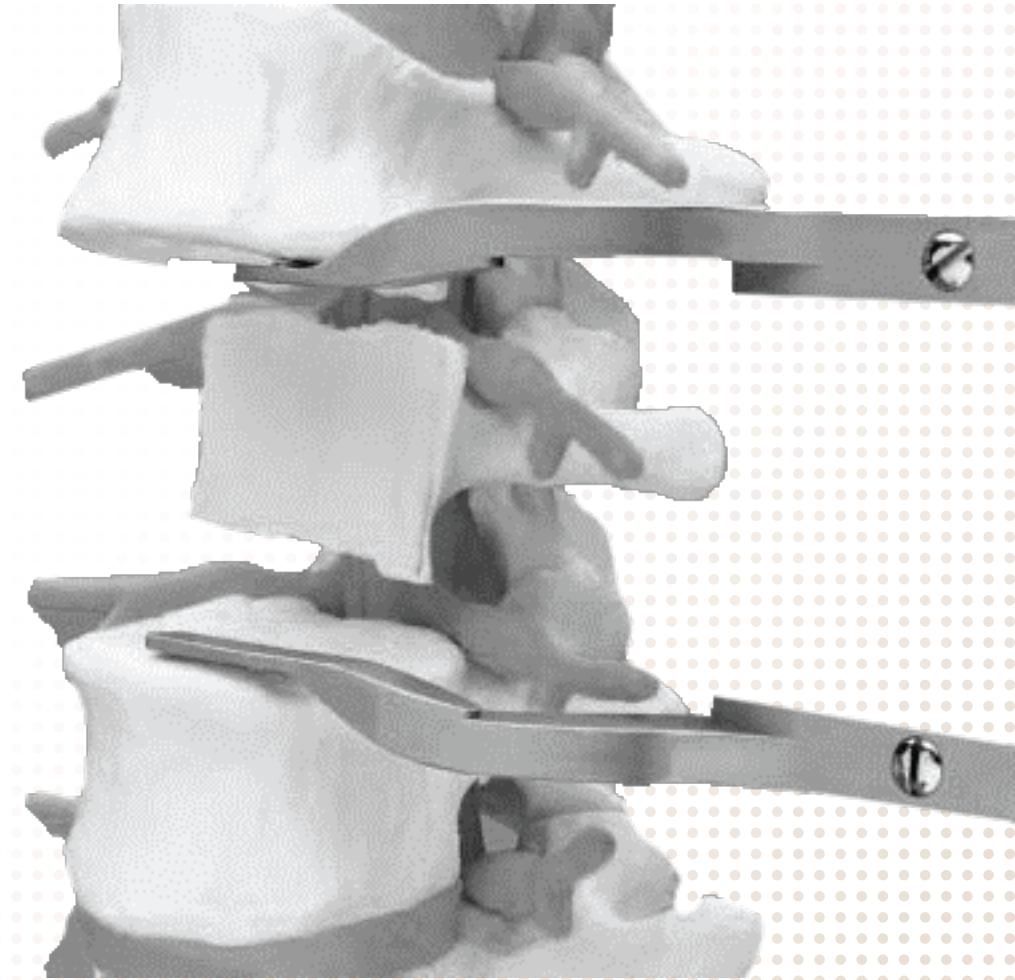
1. Select approach and perform corpectomy

Use an anterior, lateral or anterolateral approach, depending on the spinal level involved.

Perform a partial or complete corpectomy, as required.

Note: Remove only the superficial layers of the entire cartilaginous endplate and expose bleeding bone.

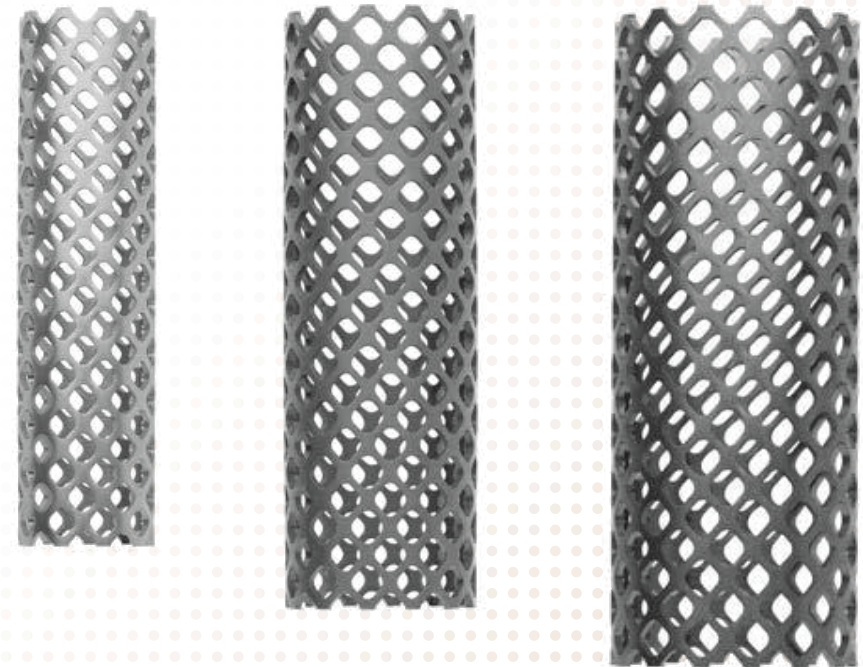
Caution: Excessive removal of subchondral bone may weaken the vertebral endplate. If the entire endplate is removed, subsidence and a loss of segmental stability may result.



The Alecta Corpectomy Mesh System Surgical Technique

2. Determine implant size

The size of the Alecta Mesh must be chosen according to clinical case and desired correction. The angulation of the plates must be selected according to the segmental angulation to restore. Before implantation of the Alecta Mesh the end plates must be carefully curetted and refreshed without weakened in order to avoid risk of the collapse of the implant.

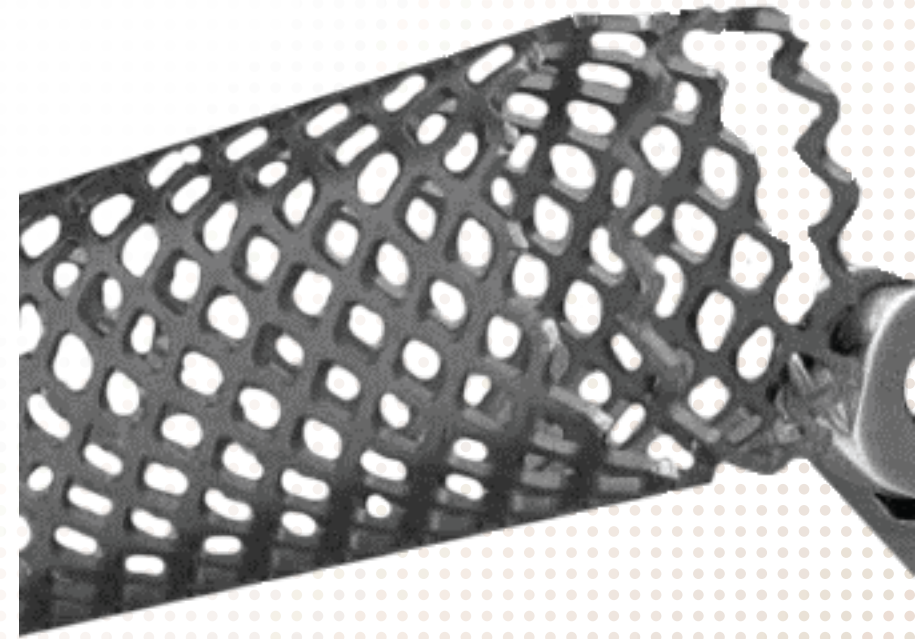


The Alecta Corpectomy Mesh System Surgical Technique

3. Cut Mesh

Use the Alecta cutter to trim the mesh to the appropriate height.

Cut on diagonal or horizontal.



The Alecta Corpectomy Mesh System Surgical Technique

4. Attach Alecta Mesh with bone graft

The Alecta Mesh must be filled with autologous, allogenic bone, cement or a bone substitute in order to achieve bone fusion. It is imperative to combine the Alecta Mesh with an anterior or anterolateral or posterior fixation system.



The Alecta Corpectomy Mesh System Surgical Technique

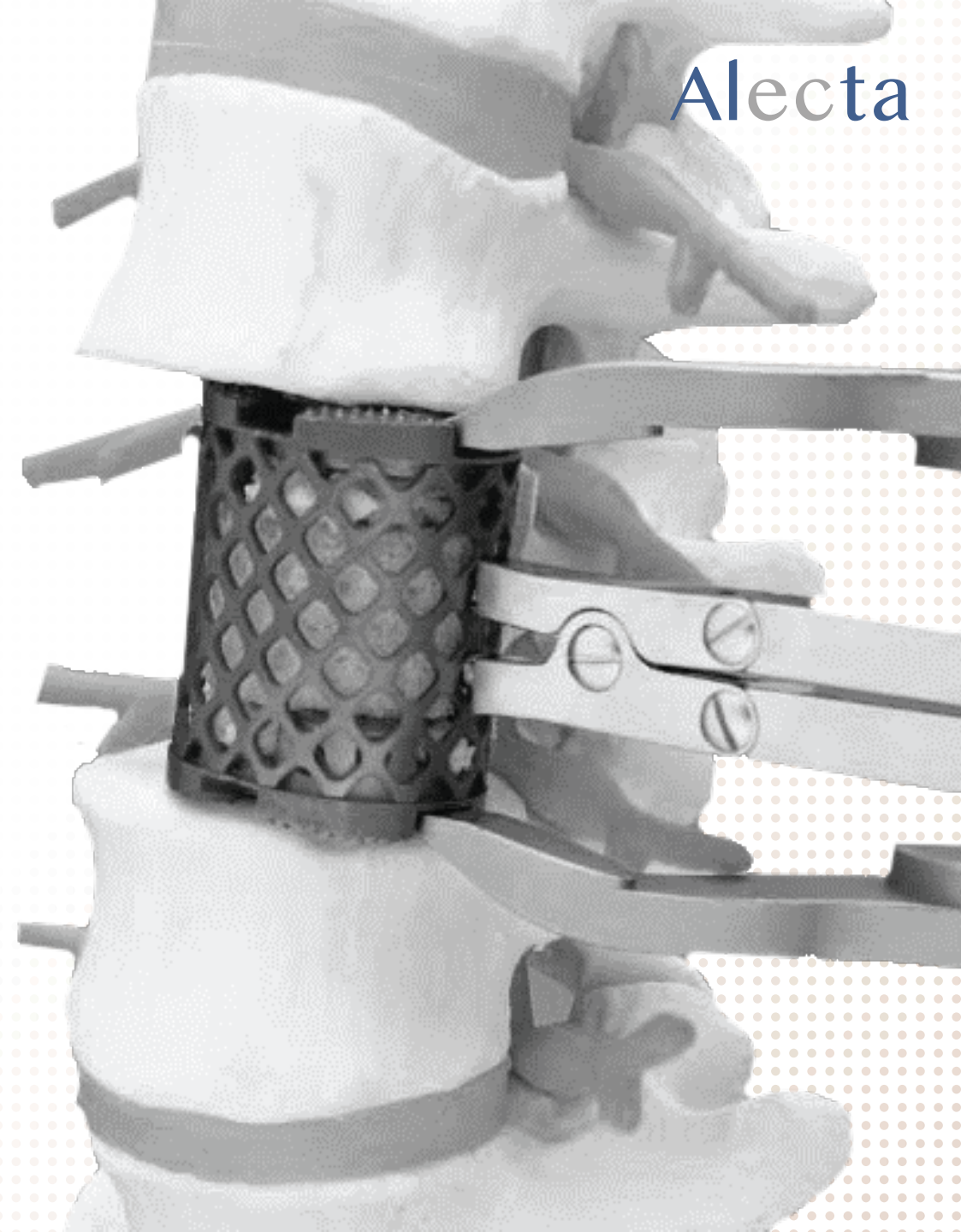
5. Distract and insert implant

Using the parallel distractor, distract the graft site until the desired spinal alignment is achieved.

While under distraction, insert the Alecta implant using the appropriate implant holder.

Final seating of the implant may be accomplished by gently tapping on the impaction surface of the implant holder or by using the appropriate impactor.

Once the implant is in place, gently remove the parallel distractor.



The Alecta Corpectomy Mesh System Surgical Technique

6. Apply Supplemental Fixation

To ensure stability of the spine and maintain adequate compression on the Alecta Mesh construct, the Alecta Mesh System is indicated for use with supplemental anterior and/or posterior fixation. Refer to the appropriate package inserts and technique guides for information on indications, descriptions, contra- indications, precautions, warnings and potential risks associated with these implant systems.



The Alecta Corpectomy Mesh System Implants

ALECTA CORPECTOMY MESH

Ref No: AT1300.0000000

Diameter (ø): 8 - 25mm

Length (L): 80mm



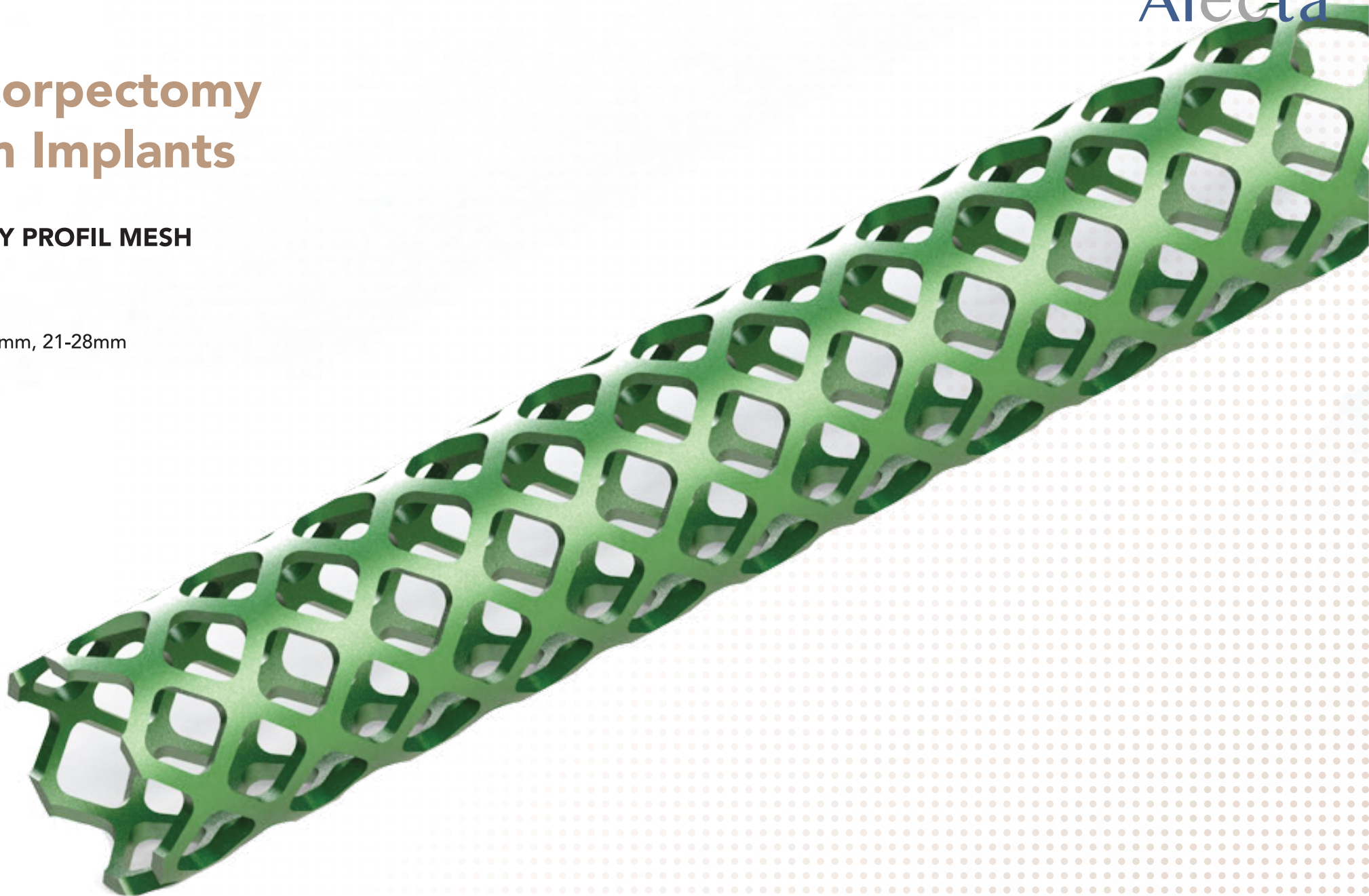
The Alecta Corpectomy Mesh System Implants

ALECTA CORPECTOMY PROFIL MESH

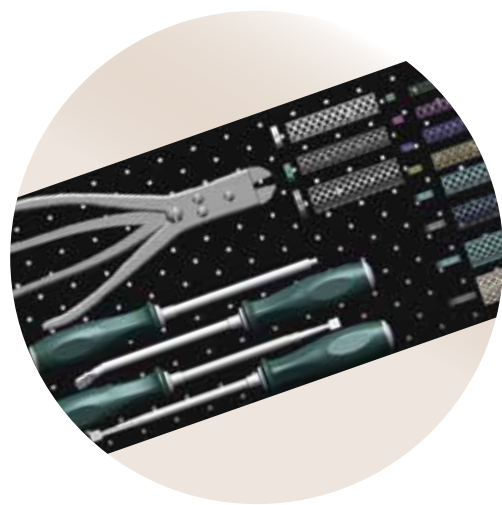
Ref No: AT1301.0000000

Diameter (ø): 13-18mm, 16-21mm, 21-28mm

Length (L): 80mm



The Alecta Corpectomy Mesh System Instruments



Device Name	Ref. Number	QTY
Osteotome Straight	16000.INS001	1
Angled Osteotome	16000.INS002	1
Angled Rasp	16000.INS003	1
Mesh Trail Inserter	16000.INS004	1
Mesh Cutter	16000.INS005	1
Mesh Holder	16000.INS006	1
Tray	16000.INS007	1
Container	16000.INS008	1



Produced Exclusively for

EOS
MEDICAL SOLUTIONS

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