

## Posterior Lumbar Intervertebral Fusion Cages

### Implants

PLIF PEEK cage - lordotic - 10x22 mm - h 8 mm	LFC-001PK2208
PLIF PEEK cage - lordotic - 10x22 mm - h 10 mm	LFC-001PK2210
PLIF PEEK cage - lordotic - 10x22 mm - h 12 mm	LFC-001PK2212
PLIF PEEK cage - lordotic - 10x22 mm - h 14 mm	LFC-001PK2214
PLIF PEEK cage - lordotic - 10x22 mm - h 16 mm	LFC-001PK2216
PLIF PEEK cage - lordotic - 10x26 mm - h 8 mm	LFC-001PK2608
PLIF PEEK cage - lordotic - 10x26 mm - h 10 mm	LFC-001PK2610
PLIF PEEK cage - lordotic - 10x26 mm - h 12 mm	LFC-001PK2612
PLIF PEEK cage - lordotic - 10x26 mm - h 14 mm	LFC-001PK2614
PLIF PEEK cage - lordotic - 10x26 mm - h 16 mm	LFC-001PK2616
PLIF PEEK cage - 10x22 mm - h 8 mm	LFC-003PK2208
PLIF PEEK cage - 10x22 mm - h 10 mm	LFC-003PK2210
PLIF PEEK cage - 10x22 mm - h 12 mm	LFC-003PK2212
PLIF PEEK cage - 10x22 mm - h 14 mm	LFC-003PK2214
PLIF PEEK cage - 10x22 mm - h 16 mm	LFC-003PK2216
PLIF PEEK cage - 10x26 mm - h 8 mm	LFC-003PK2608
PLIF PEEK cage - 10x26 mm - h 10 mm	LFC-003PK2610
PLIF PEEK cage - 10x26 mm - h 12 mm	LFC-003PK2612
PLIF PEEK cage - 10x26 mm - h 14 mm	LFC-003PK2614
PLIF PEEK cage - 10x26 mm - h 16 mm	LFC-003PK2616

### Instruments

Complete instrument set	LFC-000000001S
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### INTENDED USE

Properly used, the Sinteplastek PLIF Lite spinal stabilization system is indicated to develop a solid interbody fusion of the thoraco-lumbar spine. It is recommended in case of degenerative discopathy, pseudoarthrosis, spondylolsthesis. Supplemental posterior fixation is needed.

### CONTRAINDICATIONS

The contraindications of Sinteplastek PLIF Lite spinal stabilization system are analogous to those of similar products currently available, and include, but are not limited to:

#### ABSOLUTE:

- Infections in the active state
- Allergy to the metal components
- Patients who are either unwilling or unable to follow instructions

#### RELATIVE:

- Metastasis
- Serious muscular, neurological or vascular disease
- Fever or leucocytosis
- Pregnancy, except in the case of treatment for unstable vertebral fractures
- Signs of flogosys at the planned site of the implant
- Inadequate soft tissue coverage at the implant site
- High level osteoporosis

If the implant of a Sinteplastek PLIF Lite spinal stabilization system is considered the best solution for the patient, and if the patient presents one or more of the above contraindications, it is essential that the patient is informed of the possible negative consequences that might hinder

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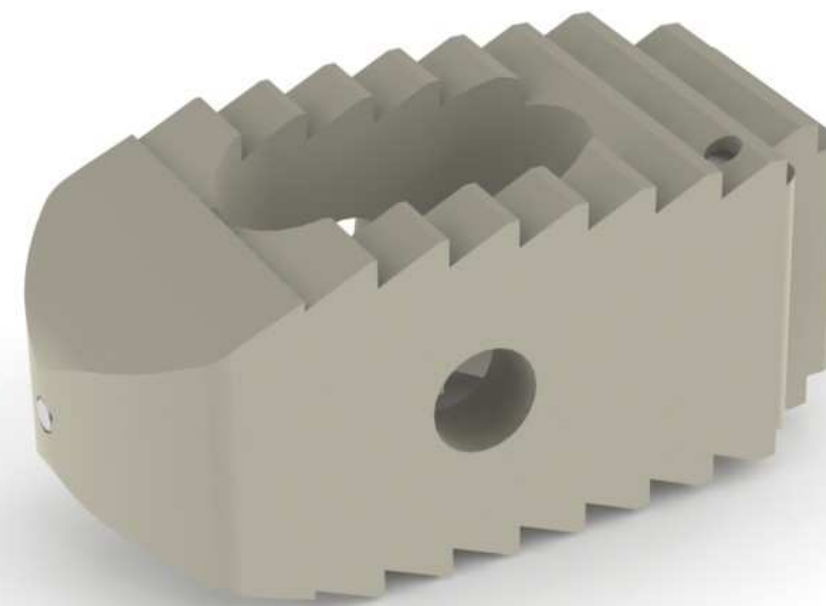
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PLIF LITE

Posterior Lumbar Intervertebral Fusion Cages



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# PLIF Lite

## Posterior Lumbar Intervertebral Fusion Cages



### COMPONENTS

#### LUMBAR FUSION CAGE

The PLIF Lite Posterior Lumbar Intervertebral System is indicated for intervertebral body fusion in the lumbosacral region. The device comes in a wide range of sizes, in order to ensure an optimal fit to the patient anatomy.

The cages are characterized by a tapered nose that minimizes insertion forces and provides an easy implantation. Wide fenestrations allow for a large grafting space, thus enhancing and speeding up the fusion process. The primary stability of the implant is assured by superficial teeth that allow the gripping on the endplates and prevent the migration of the device from the interbody space. The convex geometry of the implant minimizes endplate preparation.

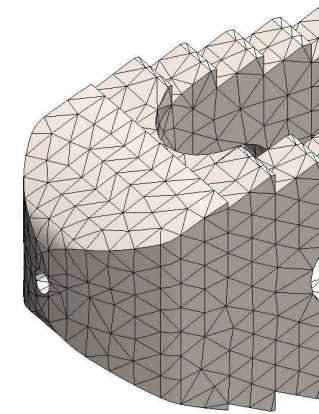
The PLIF Lite cages are available in both parallel and lordotic design, allowing to restore the spine physiologic curvature by selecting the proper shape of the implant.

The cages are manufactured of biocompatible PEEK polymer; due to the radiolucency of the material, three radiographic markers in titanium alloy allow complete visualization of the device during intra- and post-operative care.

The PLIF Lite spacer is implanted using a posterior approach and is intended to be used in pairs with supplemental fixation.

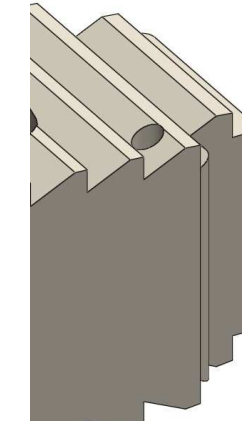
All the components of the system are in accordance with the Directive 93/42 CEE.

## TECHNOLOGY AND INNOVATION



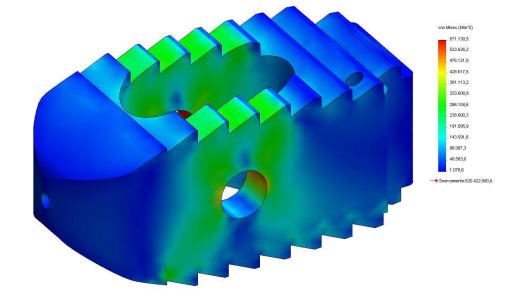
### DESIGN AND ENGINEERING

The elements of the PLIF Lite system were designed using the standard methods of structural analysis and continuum mechanics. The results were also validated by means of the Finite Element Method, in order to establish the optimum sizing in relation to device requirements and user specifications, and by static and fatigue tests, which reproduced the most critical load conditions.



### INNOVATIVE ASPECTS

The cage was designed with bullet-tip shape for self-distraction and ease of insertion. The anatomical design, consisting in convex surfaces, allow an optimal fit to the concave endplates, ensuring contact over a large surface area between implant and endplate. The teeth on the surface reduce the risk of pull-out of the cage. The terminal part of the cage presents a suitable milling and a threaded hole to allow a firmly grip with the implant holder.



### FEATURES

- ANATOMIC SHAPE
- BULLETED NOSE
- LARGE WINDOWS
- STERILE PACKAGING
- EXCELLENT PRIMARY STABILITY
- PEEK