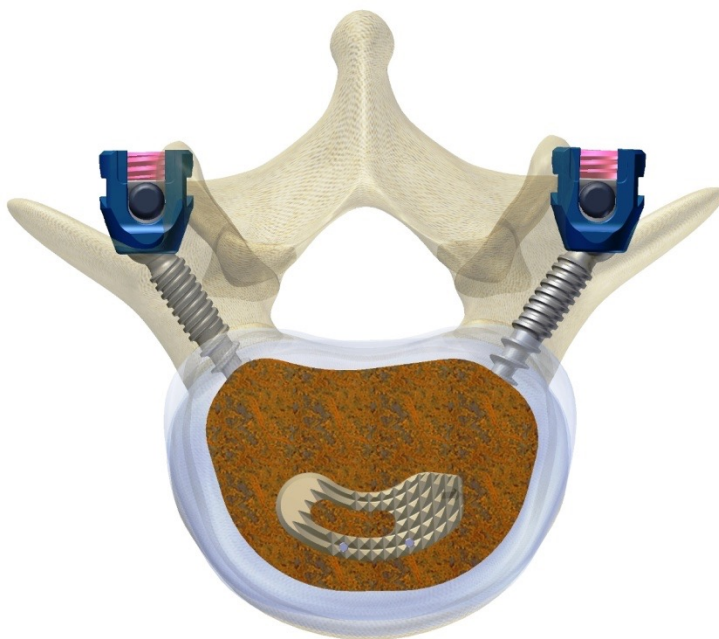


MERCURY

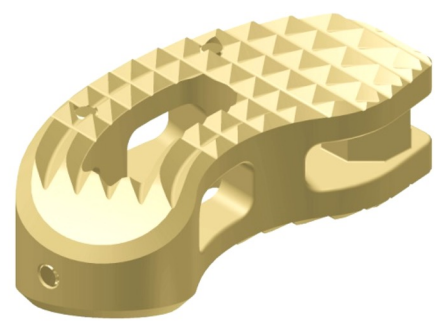
PEEK Cage for Transforaminal Lumbar Interbody Fusion (TLIF)



SYSTEM OVERVIEW

MERCURY™ TLIF PEEK Cages and supporting instrumentation were designed to help improve the clinical experience of placing TLIF interbody cages in the correct anatomical location.

Featuring a bi-directional tapered leading edge and a large autograft cavity, the system offers preserving the posterior arch, the integrity of posterior ligaments and their stability.



Implant Features — Cage Design

- Large central opening allowing for a significant amount of bone graft.
- An anatomical size range matching a variety of lumbar anatomies.
- Ensure a primary and long-term stabilization of the affected vertebrae.
- Provide an optimized fusion bed.
- A biomechanical background ensuring high reliability of the construct.
- Preserve the integrity of the vertebral body end plates.
- Instrumentation increases operation safety and efficiency.

Indications

The MERCURY™ TLIF PEEK Cages is intended to replace lumbar intervertebral discs and to fuse the adjacent vertebral bodies together at vertebral levels L1–S1. The MERCURY™ cage is designed for a transforaminal approach. Indications are lumbar and lumbosacral pathologies in which segmental spondylolysis is indicated, for example:

- ◆ Degenerative disc disease and spinal instabilities
- ◆ Revision procedures for post-discectomy syndrome
- ◆ Pseudarthrosis or failed spondylolysis
- ◆ Isthmic spondylolisthesis

NOTE:

Since the MERCURY™ TLIF PEEK Cages were not developed as “stand-alone” implants, the use of additional posterior instrumentation (for example with NEPTUNE™ Pedicle Screws) is strongly advised.

Implant Features — PEEK-OPTIMA®

Safety

- Elasticity prevents sinking: less risk of endplate penetration
- Withstands repeated autoclave sterilizations

Medical Imaging (X-ray, CT, MRI)

- Radiolucent material to allow accurate fusion follow-up
- Embedded gold markers to facilitate implant placement verification

Biocompatibility

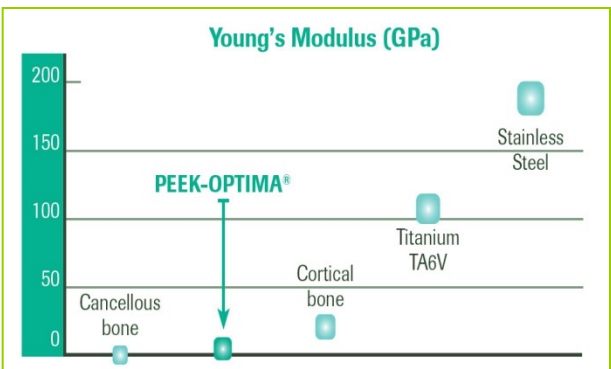
- No carbon fibres: no risk of inflammatory reaction
- CE-marked and cleared by FDA for long-term implantation in the human body

Enhanced Bone Fusion

- No stress shielding
- Optimum load repartition
- Bone growth enhancement thanks to micro-movements

Modulus of Elasticity

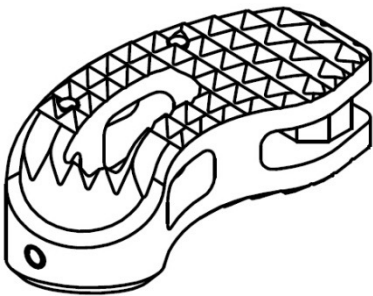
- Elastic Modulus between cancellous and cortical bone
- Ideal load sharing implant



IMPLANT INFORMATION

MERCURY™ TLIF PEEK Cage, Footprint 10 X 28 mm

HEIGHT (MM)	REF
8	MOI 47004008
9	MOI 47004009
10	MOI 47004010
11	MOI 47004011
12	MOI 47004012
13	MOI 47004013
14	MOI 47004014
15	MOI 47004015
16	MOI 47004016
17	MOI 47004017





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