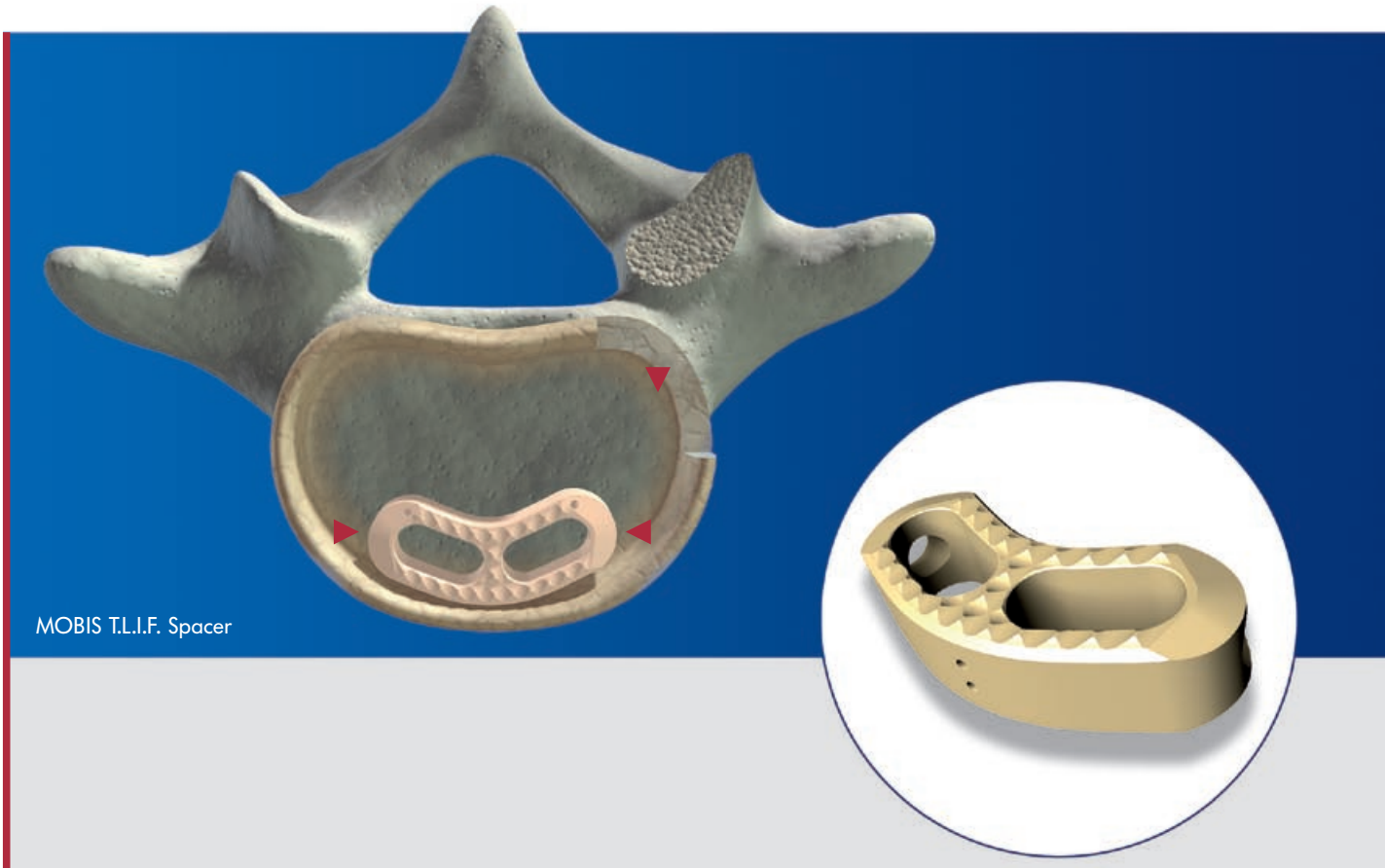
DATA SHEET

MOBIS®

Monoportal Approach – Bilateral Support



MOBIS T.L.I.F. Spacer

TLIF

DATA SHEET

SIGNUS
MEDIZINTECHNIK

MOBIS®

Monoportal Approach – Bilateral Support

Implanted unilaterally, MOBIS implants are indicated for use in one or two level lumbar fusions using a posterior transforaminal approach (L2 to S1) to reduce or eliminate pain and mechanical instability resulting from the following conditions:

- **Spondylolisthesis (Grades I and II)**
- **Degenerative Disc Disease**
- **Spinal Stenosis**
- **Disc Herniation**

The curved design of the MOBIS implant conforms to the anterior lordotic curvature of the vertebra, providing solid bilateral support, and easy insertion via a monoportal approach. Preservation of the contralateral facet joint is achieved by using a unilateral steep implantation trajectory, and the tapered implant edge allows impaction into the vertebral disc space without removing cortical bone. The dual apertures provide a threefold fusion path by filling both the implant and the dorsal intervertebral and epilaminar disc space with cancellous bone or bone graft substitutes. MOBIS implants are designed to restore interbody vertebral disc height and maintain solid bony fusion when used in conjunction with bone graft material and supportive posterior instrumentation. The implants are made of PEEK-OPTIMA® LT, a biocompatible thermoplastic polymer, which provides numerous benefits including an elasticity modulus similar to cortical bone and excellent post operative imaging of the fused vertebral segment(s).

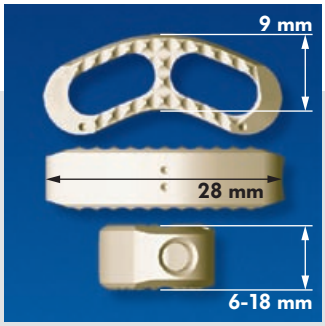
Key Advantages

- **Curved Design and Tapered Edge**
  - ➔ Conforms to the Anterior Lordotic Curve and Facilitates Implant Insertion
- **Dual Implant Apertures**
  - ➔ Promotes Good Bony In-Growth of the Graft Material
- **Unilateral Steep Implantation Trajectory**
  - ➔ Preserves the Contralateral Facet Joint
- **PEEK-OPTIMA LT Thermoplastic Polymer Material**
  - ➔ In-Vivo Biocompatibility and Elasticity Modulus Similar to Cortical Bone
- **Radiolucent and Artifact-Free**
  - ➔ Optimal Postoperative Imaging Quality
- **Embedded Tantalum Markers**
  - ➔ Enhances Radiographic Implant Positioning and Assessment
- **Comprehensive Range of Implant Instrumentation**
  - ➔ High Quality, Easy to Use and Cost Effective Implant System

MOBIS implants have a standard 28 mm width, 9 mm contour and are individually pre-packaged sterile.

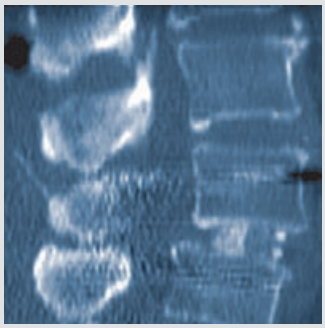
For more information on MOBIS implants and instrumentation for the transforaminal approach please refer to the Product Information.

Item No.	Height
BT060928	6 mm
BT070928	7 mm
BT080928	8 mm
BT090928	9 mm
BT100928	10 mm
BT110928	11 mm
BT120928	12 mm
BT130928	13 mm
BT140928	14 mm
BT160928	16 mm
BT180928	18 mm



Axial – Ventral – Lateral Aspect


Embedded Tantalum Markers


Optimal Imaging Quality


MOBIS Instrumentation Set

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