

# ostaPek® Carbon Composite Erriva™ Extraforaminal Lumbar Interbody Fusion

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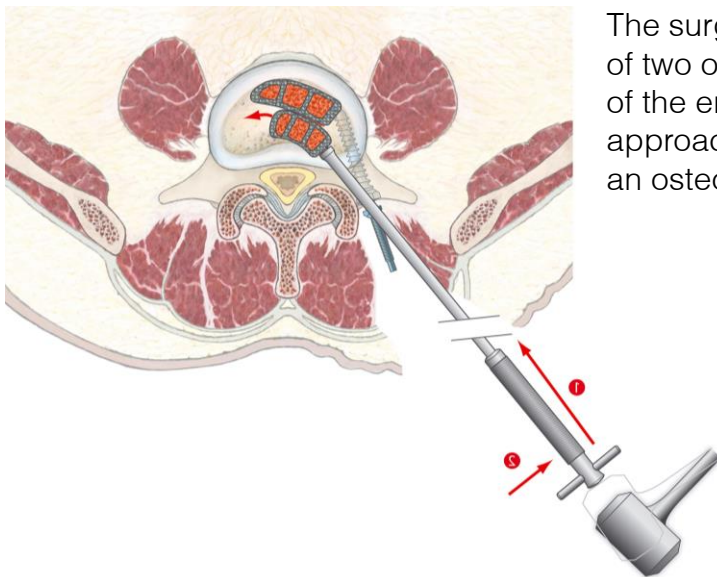
# ostaPek® high performance carbon composite.

**67% long carbon fibers embedded in a 33% PEKEEK polymer matrix.**

Technically described as a “long carbon fiber reinforced polymer (LCFRP)”, ostaPek® carbon composite was developed specifically for spinal fusions and is manufactured entirely by Coligne. By controlling fiber orientation, ostaPek® carbon composite implants are tailored to meet the physiological needs of the vertebral endplates, the adjacent vertebral bodies and to provide the necessary conditions for spinal fusion. This takes implant design and performance beyond the limits of traditional monolithic materials such as metals or pure plastic.

Used in clinical applications since 1994, ostaPek® has shown intrinsic osteophilic properties; no coating required. It is radiolucent. Bone and surrounding tissue can be observed within and next to the implant, useful for clinical follow up

The Erriva™ ostaPek cage is designed specifically for an innovative extraforaminal lumbar posterolateral approach to the intervertebral disk space at an angle of 45° relative to the midline. The unilateral working corridor follows the cleavage plane between the multifidus muscle and the longissimus thoracis muscle pars lumborum, with the goal of muscle preservation.



The surgical technique allows for the insertion of two ostaPek® cages, for a wide coverage of the end plate through a minimal invasive approach, generous space for bone graft and an osteophilic surface for fusion.



Vertical and transverse fusion at 12 months as shown on CT.

# Erriva™ extraforaminal lumbar interbody fusion in ostaPek®

## A step-by-step technique for optimal stabilization.

The Erriva™ ELIF open four-strut architecture is available in several sizes to provide ease of use and mechanical integrity. After a progressive distraction of the intervertebral space in 1mm steps, the Erriva™ ELIF cages filled with the medium of choice are inserted and translated into the desired position with respect to the endplates.



## Properties.

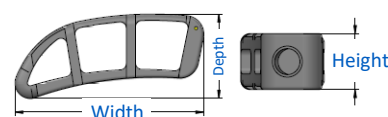
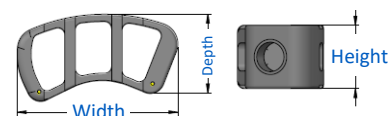
- Erriva™ TLIF clinical experience of 20 years
- ostaPek® carbon composite is intrinsically osteophilic, no coatings required
- Thin wall cage design enables unparalleled graft to cage volume ratio
- Open four-strut cage design matches vertebral endplates and lowers the risk of subsidence
- Large lateral and transverse bone ports to optimize fusion
- Innovative minimal invasive approach for muscle preservation
- ostaPek® mechanical properties tailored to ensure primary stability and bone remodeling
- Gold-markers confirm implant position
- Radiolucent for diagnostic quality follow up with CT, MRI and plane x-ray



## Dimensions

Reference*	Depth (mm)	Width (mm)	Ant. height (mm)	Post. height (mm)	Lordosis (°)
69.073	11.2	23	7	7	0°
69.093	11.2	23	9	9	0°
69.113	11.2	23	11	11	0°
69.133	11.2	23	13	13	0°
69.074	13.6	30.7	7	7	0°
69.094	13.6	30.7	9	9	0°
69.114	13.6	30.7	11	11	0°
69.134	13.6	30.7	13	13	0°

\*Additional sizes available upon request.



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All Coligne treatment technology is for use only by a qualified and trained spinal surgeon. Coligne product availability is subject to regional health care regulation in a specific country. Not all products are available in specific countries. Some products or product usages are not yet cleared by the US-FDA. Contact your Coligne representative for details. Consult product insert for product warnings and details. ostaPek® and Erriva™ technology are subject to patents or patents pending in Europe, US and Asia.

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