

ostaPek® Carbon Composite Erriva™ 3 Transforaminal Lumbar Interbody Fusion

spine nuances.com



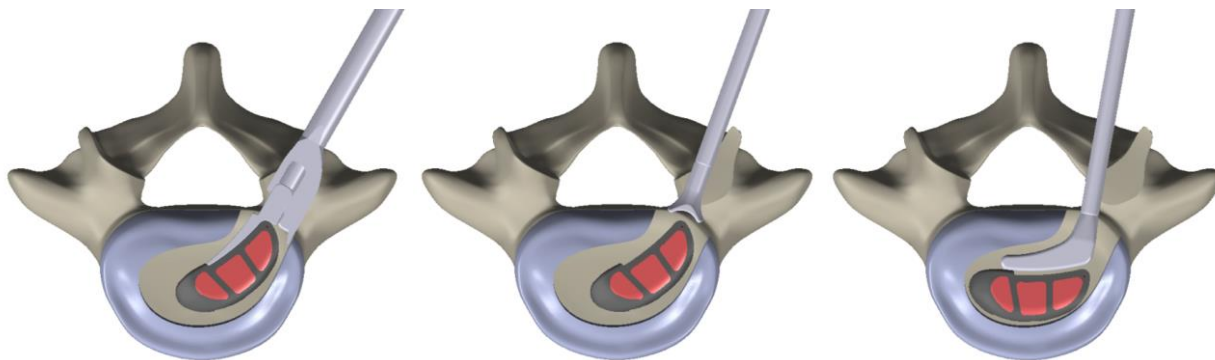
ostaPek® high performance carbon composite.

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

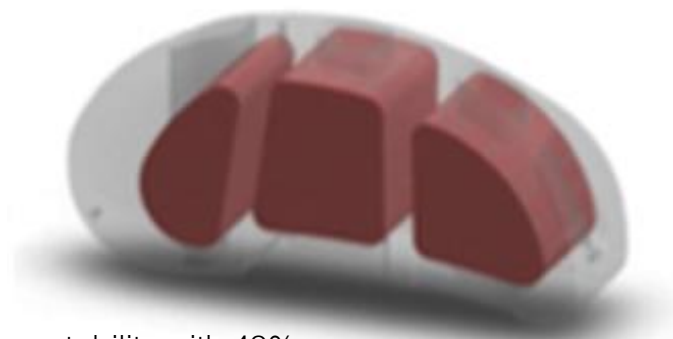
Technically described as a “long carbon fiber reinforced polymer (LCFRP)”, ostaPek® carbon composite was developed specifically for spinal fusions and is manufactured entirely by Coligine. By controlling fiber orientation, ostaPek® carbon composite implants are tailored to meet the physiological needs 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.

As the latest design of the ostaPek® cages, the Erriva™ 3 combines everything Coligine has learned over 25 years of building over 110,000 ostaPek® carbon composite constructs. The design aims to allow for a sensation of control as the cage enters in the interspace, and simple instrumentation to achieve the critical positioning for sagittal balance. ostaPek® carbon composite allows for generous space for bone graft and has an osteophilic surface for fusion.



Simple instrumentation delivers clear hand sensation, but also powerful cage placement control, even in the most constrained surgical approaches.



Primary stability with 49% area for bone graft

Erriva™ 3 transforaminal lumbar interbody fusion in ostaPek®

A step-by-step technique for optimal stabilization.

The Erriva™ 3 TLIF 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™ 3 TLIF cages filled with the medium of choice are inserted and translated into the desired position with respect to the endplates.



Properties.

- Erriva™ 3 TLIF clinical experience of 5 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
- Gentle bulleting and tapering of the cage for smooth insertion
- Large lateral and transverse bone ports to optimize fusion
- ostaPek® mechanical properties tailored to ensure primary stability and bone remodeling
- 5° lordosis
- Gold-markers confirm implant position
- Radiolucent for diagnostic quality follow up with CT, MRI and plane x-ray

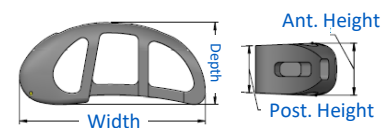
Instrumentation.

- Specifically engineered cage- inserter interface for strength and control during implantation
- Intuitive instrumentation for final positioning of the cage

Dimensions

Reference*	Depth (mm)	Width (mm)	Ant. height (mm)	Post. height (mm)	Lordosis (°)
20.043.07	14.2	32.5	7	6.1	5°
20.043.09	14.2	32.5	9	8.1	5°
20.043.11	14.2	32.5	11	10.1	5°
20.043.13	14.2	32.5	13	12.1	5°
20.043.15	14.2	32.5	15	14.1	5°

*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™ 3 technology are subject to patents or patents pending in Europe, US and Asia.