ostaPek® Carbon Composite Posterior 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 both for clinical follow up.

Outcome of a two level PLIF and ostaPek® plate surgery at 15 months post-op.

The evolution of the PLIF cage with the bullet tip design facilitates the insertion.

Posterior lumbar interbody fusion in ostaPek®

Classic approach, innovative technology.

The PLIF open four-strut cages are available in several lengths, widths and heights to adapt to the intervertebral space and provide ease of use. Just select the right sized trial, verify the fit and then place the PLIF cage filled with the medium of choice.

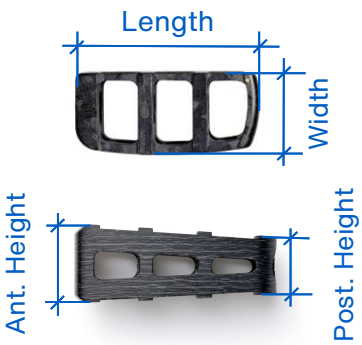
Properties.

- PLIF clinical experience of 25 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 risk of subsidence
- Large lateral and transverse bone ports to optimize fusion
- ostaPek® mechanical properties tailored to ensure primary stability and bone remodeling
- Gentle bulleted shape allows for easy implantation
- 2°, 5° and 7° lordosis
- Gold-markers confirm implant position
- Radiolucent for diagnostic quality follow up with CT, MRI and plane x-ray

Dimensions

Reference*	Length (mm)	Width (mm)	Post. height (mm)	Ant. height (mm)	Lordosis (°)
2307	25	10	5	7	5°
2309	25	10	9	10	2°
2310	25	12	8	10	5°
2311	25	12	11	12	2°
2312	25	12	10	12	5°
2313	25	12	9	12	7°
65.075	25,8	8	6	8	5° (bullet)
65.077	25,8	8	5	8	7° (bullet)
65.095	25,8	10	8	10	5° (bullet)
65.115	25,8	12	10	12	5° (bullet)

*Additional sizes available upon request.



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PLIF Product Information 20210320