

# ostaPek® Carbon Composite Anterior 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.



Two level ALIF cages at three months post-op.  
Segmental lordosis restored, bone formation in progress.

5 different possibilities  
to hold the cage.



# Anterior lumbar interbody fusion in ostaPek®

## Wide cage support, evenly distributed loads.

The ALIF open four-strut architecture is available in several sizes and lordosis angels to provide full support at the endplates. Just select the right sized trial, verify the fit and then place the ALIF cage filled with the medium of choice.

## Properties.

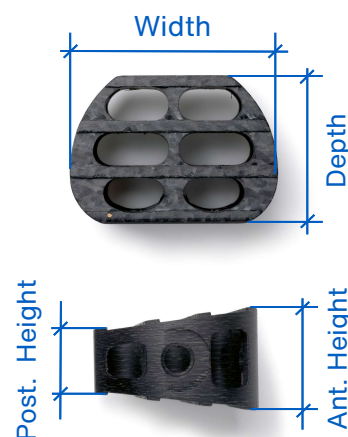
- ALIF clinical experience of 25 years
- ostaPek® carbon composite is intrinsically osteophilic, no coatings required
- Thin wall cage design enables unparalleled graft to cage volume ratio
- Open four-strut cage design matches vertebral endplates and reduces the risk of subsidence
- Large lateral and transverse bone ports to optimize fusion
- ostaPek® mechanical properties tailored to ensure primary stability and bone remodeling.
- 5°, 9° and 13° lordosis
- Gold-markers confirm implant position
- Radiolucent for diagnostic quality follow up with CT, MRI and plane x-ray



## Dimensions

Reference*	Depth (mm)	Width (mm)	Post. height (mm)	Ant. height (mm)	Lordosis (°)
2330	25	35	8	10	5°
2331	25	35	10	12	5°
2332	25	35	12	14	5°
2337	25	35	8	12	9°
2333	25	35	10	14	9°
2334	25	35	12	16	9°
2335	25	35	8	14	13°
2336	25	30	10	16	13°
2344	20	30	8	10	5°
2343	20	30	10	12	5°
2342	20	30	12	14	5°
2341	20	30	10	14	9°
2340	20	30	12	16	9°
2339	20	30	8	14	13°
2338	20	30	10	16	13°

\*Additional sizes available upon request.



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