

ostaPek® Carbon Composite ACIF / ACDF Cervical 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 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.



Vertical and transverse
fusion at 16 months
as shown on x-ray.



Vertical and transverse
fusion on two levels at 20
months as shown on x-ray.

ACIF/ACDF cervical interbody fusion in ostaPek®

Multiple options. One goal.

The ACIF/ACDF open three-strut architecture is available in a number of sizes to provide ease of use, flat or domed, lots of space for graft and optimal match of intervertebral space. Just select the right sized trial, verify the fit and then place the ACIF/ACDF cage filled with the medium of choice.



Properties.

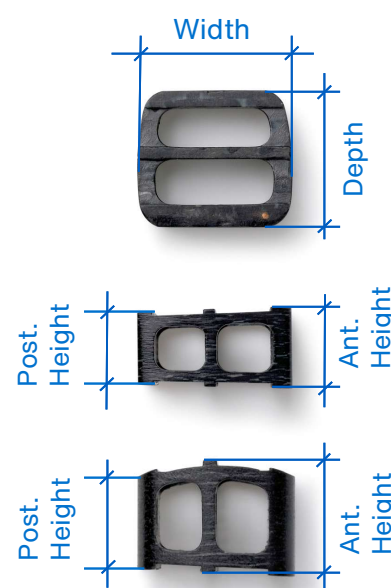
- ACIF/ACDF clinical experience of 25 years
- ostaPek® carbon composite is intrinsically osteophilic, no coatings required
- Thin wall cage design enables unparalleled graft to cage volume ratio
- Open three-strut cage design matches vertebral endplates and lowers risk of subsidence
- Large lateral and transverse bone ports to optimize fusion
- ostaPek® mechanical properties tailored to ensure primary stability and bone remodeling
- 5° 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 (°)
4372	12	13.5	3	4	5°
4374	12	13.5	4	5	5°
2380	12	13.5	5	6	5°
2382	12	13.5	6	7	5°
2383	12	13.5	7	8	5°
4376	12	15	3	4	5°
4378	12	15	4	5	5°
4380	12	15	5	6	5°
4382	12	15	6	7	5°
4384	12	15	7	8	5°
3380	12	17	5	6	5°
3382	12	17	6	7	5°
3383	12	17	7	8	5°
053.049	12	13.5	4	4.5	dome
053.050	12	13.5	5	5.5	dome
053.051	12	13.5	6	6.5	dome
053.052	12	13.5	7	7.5	dome

*Additional sizes available upon request.



SpineNuances, 93 Albury Way, North Brunswick, NJ 08902, USA
Tel +41 78 668 95 72, info@spinenuances.com, www.spinenuances.com

Coligne AG, Utoquai 43, CH-8008 Zurich, Switzerland
Tel +41 43 343 80 00, Fax +41 43 343 80 09, info@coligne.com, www.coligne.com

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 **ACIF/ACDF** technology are subject to patents or patents pending in Europe, US and Asia.

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