

ostaPek® Carbon Composite GII Spinal Fixation System

spine nuances.com

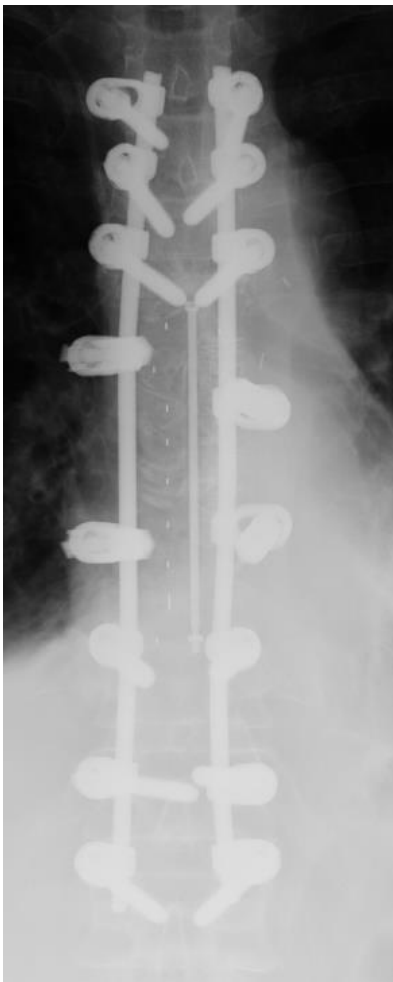


Pedicle fixation in Titanium and ostaPek® high performance carbon composite.

Reliable, flexible and easy-to-use.

New diagnostic techniques make personalized treatment goals possible. The GII pedicle fixation system allows for multiple options for anchors and longitudinal elements. (1) If the goal is to promote bone formation and prevent stress upon the adjacent segments, a more flexible GII ostaPek® plate construct may be used. (2) Deformity can be addressed with the titanium rod construct. (3) When a critical stabilization is required, a stiffer titanium plate may be chosen. The GII spinal fixation system follows the surgeon's strategy, as planned, as it may change.

ostaPek® carbon composite was developed specifically for spinal fusions. By controlling fiber orientation, ostaPek® carbon composite plates are tailored to meet the physiological needs of the spinal column. 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 and radiation therapy.



GII posterior pedicle fixation with flexStaas polyaxial screws and anterior ostaPek® VBR cages, 3.5 years post-op as shown on x-ray.



GII pedicle fixation with bilateral ostaPek® plate construct, 10 years post-op as shown on x-ray.

GII spinal fixation system.

Flexibility in action.

The GII pedicle fixation system is designed for the thoracolumbar and sacral spine with different longitudinal elements according to the specific needs of each patient. The Titanium pedicle screws used as anchors are orthogonal or polyaxial. The longitudinal elements are Titanium rods, ostaPek® plates or Titanium plates. Multiple connectors and extenders are available to complement the pedicle fixation system.

ostaPek® plates.

- ostaPek® plate clinical experience of 15 years
- ostaPek® carbon composite is intrinsically osteophilic, no coatings required
- ostaPek® mechanical properties tailored to ensure primary stability and promote remodeling
- Radiolucent for high quality diagnostic follow up with CT, MRI and plane x-ray
- Potential to reduce radiation dose perturbation for patients that need radiotherapy



flexStaas polyaxial pedicle screw.

- Tulip design with a large docking surface and click grip for a fast, strong and easy-to-use connection
- Double helix cancellous thread with a self-tapping tip for fast and precise screw placement
- Wide self-aligning set screw thread that facilitates positioning and tightening
- Torx interface to increase axial compression for Coligne Titanium rods



Dimensions



flexStaas screw	Length [mm]	Diameter [mm]
Minimum	30	5
Maximum	80	8



Titanium rod*	Length [mm]	Diameter [mm]
Minimum	30	6
Maximum	400	6

*Additional sizes available upon request.



ostaPek® plate	Slots [#]	Curvature [°]
43.010	one-slot	10°
43.011	one-slot	20°
43.012	two-half-slot	10° x 10°
43.014	two-half-slot	20° x 20°
43.015	one- & one-half-slot	10° x 10°
43.018	one- & one-half-slot	20° x 20°
43.019	triple-half-slot	10° x 10° x 10°
43.022	triple-half-slot	10° x 10° x 20°

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

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Gil Product Information 20210610