

# Karma<sup>®</sup>

Posterior Fixation System

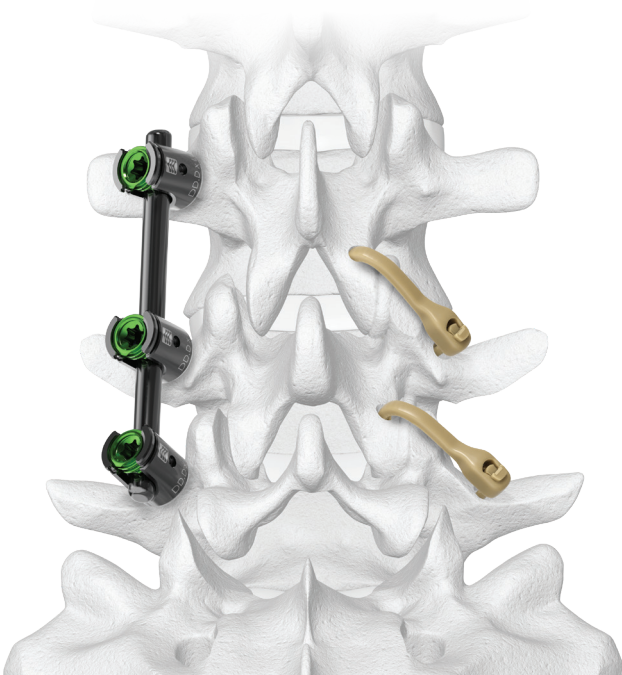
WHEN LESS IS MORE

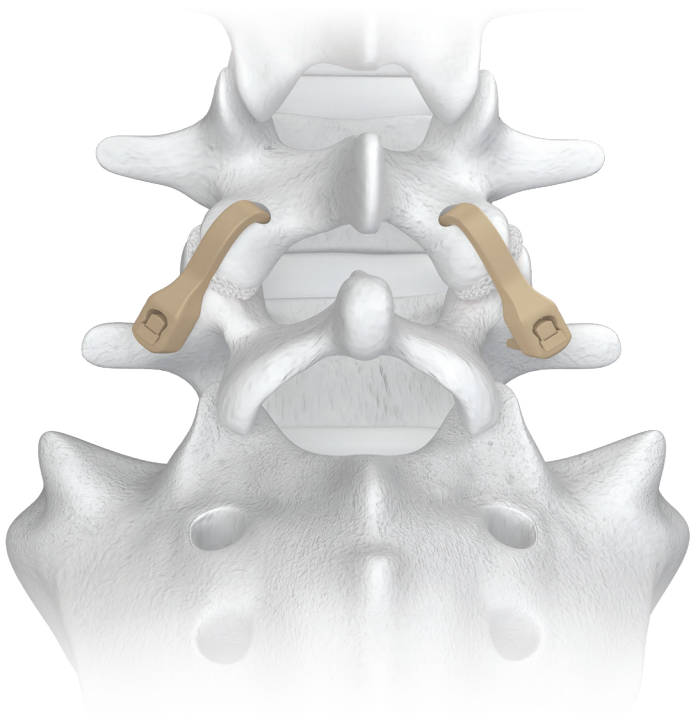


## Background

There are several surgical options to address the conditions associated with degeneration or injury of the lumbar spine. Many of these surgeries utilize a spinal device that replaces a degenerated disc between two vertebral bodies. The goal of these surgeries is to replace the degenerated disc, which often has lost height and cushion, with a device that fuses or joins the vertebral bodies to eliminate motion at this level of the spine. This fusion will help alleviate pain associated with the degenerated disc. Frequently metal pedicle screws and rods are implanted along with the spinal device to provide additional fixation or immobilization of the spine at the treated level.

After speaking with your doctor about the symptoms you are experiencing from degeneration of your lumbar spine, and you are now planning to have spinal surgery using the Karma<sup>®</sup> implant you may have additional questions. This pamphlet is meant to provide you more information about Karma<sup>®</sup>.





## What is Karma®?

Karma® is a metal-free strap, comprised of PEEK, a medical-grade material used commonly in orthopedic implants. Karma® is used to provide stable fixation during the healing and fusion process, after spinal fusion and other similar procedures that require stability.

Karma® is a patient-centric alternative to traditional posterior fixation, which uses screws and rods. By comparison, the Karma® implant is:

- **Metal-free** – it is comprised of PEEK, a medical-grade material used frequently in orthopedics
- **Anatomy preserving** – is smaller in overall size and takes up less room in the body
- **Low profile** – is shorter in height which may minimize the potential for post-operative pain and irritation
- **Physiologic** – Karma® uses the strongest<sup>1</sup> parts of the spinal bones

## How does Karma® work?

The Karma® procedure is a minimally-invasive technique that binds the facet joints using the strongest bones of the spine for the Karma® implant to be inserted and tightened. Karma® holds the vertebral segments together providing stability while the bones heal and fuse.

While all spine surgery presents some risk, please consult this with your doctor for all the associated risk for your procedure.

## Benefits of Karma®

Uses a patient's natural anatomy:

Karma® uses the strongest spinal bones to provide fixation and stability. This is especially important for older patients, who are more likely to encounter issues with bone density/strength.

***Karma® is an implant designed  
with you in mind.***





Pedicle Screw



Karma®

Image contrast enhanced for clarity

## FAQs

### Is Karma® FDA Cleared?

Yes, Karma has been FDA cleared since 2019.

### Who can get a Karma® implant?

Any patient who is getting a fusion procedure and requires stabilization within those spine segments being treated if the surgeon is using a posterior approach. Since Karma® uses the strongest parts of the spinal bones, this may be a favorable procedure for patients with poor bone quality, often the result of osteoporosis.



For all the complete information about Karma®  
please scan the QR code and visit  
[www.ifu.spinalelements.com](http://www.ifu.spinalelements.com)

- 1 Pedicle Screws Challenged: Lumbar Cortical Density and Thickness are Greater in the Posterior Elements Than in the Pedicles Khalid Odeh, MD, Alexander Rosinski, MS, Jeremi Leasure, MSE, and Dimitriy Kondrashov MD. Global Spine Journal (AO spine) 1-10 2019



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