

Vu C-POD™

PEEK- OPTIMA® VBR



Optimum Graft Area

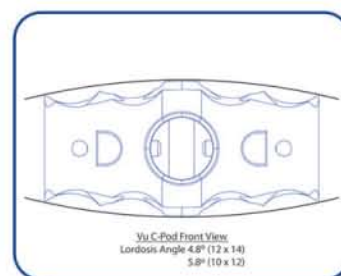
The cylindrical design of the Vu C-POD allows more graft to be packed inside and around the implant. The 3-D convex surfaces which conform to the vertebral endplate coupled with the aggressive teeth which grip the endplates provide strong structural support.

Shortens OR Time

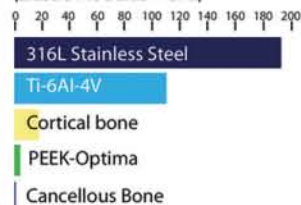
The Quick-Release Insertion Tool streamlines the surgical procedure by simplifying implant insertion.

PEEK-OPTIMA®

The properties of PEEK-OPTIMA thermoplastic are ideal for spinal implants. Its modulus of elasticity is between cortical and cancellous bone. Plus, it provides high compressive strength. The biocompatible, radiolucent polymer allows clear assessment of bony fusion.



Stiffness Properties (Elastic Modulus—GPa)



The Vu C-POD PEEK-OPTIMA VBR is designed to deliver an implant that provides the optimum graft area, and a surgical technique that shortens the OR time. The Vu C-POD's highly engineered 3-D convex surfaces closely match the anatomy of a vertebral endplate. By designing the Vu C-POD to match this area coupled with the teeth that aggressively grip the endplates, the implant is a strong structural support between the endplates. This helps promote bone-to-bone contact required for bony fusion.

Theken's design philosophy is "Fewer Parts, Fewer Steps." This is exemplified through the Vu C-POD's Quick-Release Insertion Tool. The Quick-Release Insertion Tool enables the surgeon to use only one instrument to insert and remove the implant shortening the number of surgical steps. This helps decrease the time required for the surgical procedure.

The Vu C-POD is constructed from PEEK-OPTIMA, a radiolucent thermoplastic from Invibio™. The properties of PEEK-OPTIMA are ideal for spinal implants. The biocompatible, radiolucent polymer allows clear assessment of bony fusion. The Vu C-POD contains tantalum markers to help identify the location of the implant radiographically. The modulus of elasticity is between cortical and cancellous bone providing high compressive strength plus reducing stress shielding.

System Specifications

Implant Sizes

10x12x6mm
10x12x7mm
10x12x8mm
10x12x9mm
10x12x10mm
12x14x6mm
12x14x7mm
12x14x8mm
12x14x9mm
12x14x10mm

Titanium trials are available for each implant size.

About Theken

The Theken family of companies Theken Spine LLC, Theken Orthopaedic LLC and Theken Disc LLC specializes in pioneering spinal implant technologies that improve the surgical technique benefiting the patient as well as the surgeon. Theken provides comprehensive product lines that offer surgeons peace of mind through steadfast product reliability and easy-to-use instrumentation. Products include cervical plate systems, spacers, degenerative/deformity and trauma/tumor devices. Theken also leads the market in next-generation artificial disc replacement technology.



Tether



Coral



C-POD, L-POD