

Boxcar

VERTEBRAL BODY REPLACEMENT



PRODUCT FEATURES:

- First PEEK-OPTIMA HA Enhanced VBR System
- Two footprints (12x12.5mm & 14x14.5mm)
- Height range of 13mm to 75mm
- Lordotic endplates allow for various levels of lordosis ranging from parallel up to a combined 15°
- Spacers and end caps provide intra-operative flexibility and eliminate time-consuming fitting and shaping

Osteoconductive:

Hydroxyapatite (HA), a well-known osteoconductive material, is fully integrated through the PEEK-OPTIMA device, making it available on all surfaces and internally throughout the device. This allows for earlier bone ongrowth and greater new bone formation into and through the device rather than just around it. ^{1,2}

Modulus:

With a modulus closer to bone, PEEK-OPTIMA HA Enhanced reduces stress shielding at a higher rate than titanium. ³

Radiolucent:

PEEK-OPTIMA HA Enhanced is radiolucent for easy monitoring of the healing site with X-rays, CT or MRI.

Reference:

- Study evaluated the bone ongrowth of PEEK-OPTIMA and PEEK-OPTIMA HA Enhanced in a bone defect model in sheep. Data on file at Invibio. This has not been correlated with human clinical experience
- J. Henkel, M. A. Woodruff, D. R. Epari, R. Steck, V. Glatt, I. C. Dickinson, P. F. M. Choong, M. A. Schuetz, D. W. Hutmacher. Bone Regeneration Based on Tissue Engineering Conceptions — A 21st Century Perspective. Bone Research (2013) 1, 216–248.
- Comparison of the Strength and Stiffness of Polymers with Titanium based on typical values.

ORDERING INFORMATION:

CATALOG NUMBER	PRODUCT DESCRIPTION
06-0V-12xx	Boxcar VBR, 12.0 x 12.5 x 13-68mm Tall
06-1V-12xx	Boxcar VBR, 12.0 x 12.5 x 0°-7.5° End Cap
06-2V-12xx	Boxcar VBR, 12.0 x 12.5 x 1.0-1.2mm Spacer
06-0V-14xx	Boxcar VBR, 14.0 x 14.5 x 13-68mm Tall
06-1V-14xx	Boxcar VBR, 14.0 x 14.5 x 0°-7.5° End Cap
06-2V-14xx	Boxcar VBR, 14.0 x 14.5 x 1.0-1.2mm Spacer