



Medtronic
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TELAMON

VERTE-STACK™ PEEK Verte

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The VERTE-STACK™ TELAMON™ PEEK Vertebral Body Spacer is a vertebral body replacement device intended for use in the thoracolumbar spine (T1-L5) to replace a collapsed, damaged, or unstable vertebral body due to tumor or trauma (i.e., fracture). The VERTE-STACK™ TELAMON™ device is to be used with supplemental fixation. Specifically, the VERTE-STACK™ TELAMON™ device is to be used with the Medtronic Sofamor Danek ZPLATE II Anterior Fixation System, Titanium DYNALOK™ CLASSIC Spinal System, the VANTAGE™ Anterior Fixation System, Titanium TSRH® Spinal System, Titanium CD HORIZON® Spinal System, the Titanium GDLH® Spinal System, or their successors. Additionally, the VERTE-STACK™ TELAMON™ device is intended to be used with bone graft.



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PEEK Material Advantages

Radiolucency

- Easier visualization of bone growth
- Minimal scatter or artifact with CTs and MRIs

Biocompatibility

- Long history of usage
 - Dental Implants
 - Heart Valves/Stents
 - Artificial Joints
 - Finger Implants
 - Spinal Implants

Strength

- Offers greater impact resistance
- High ultimate strength
- High fatigue strength

Wear Resistance

- Minimal wear debris was generated during fatigue testing

Modulus of Elasticity

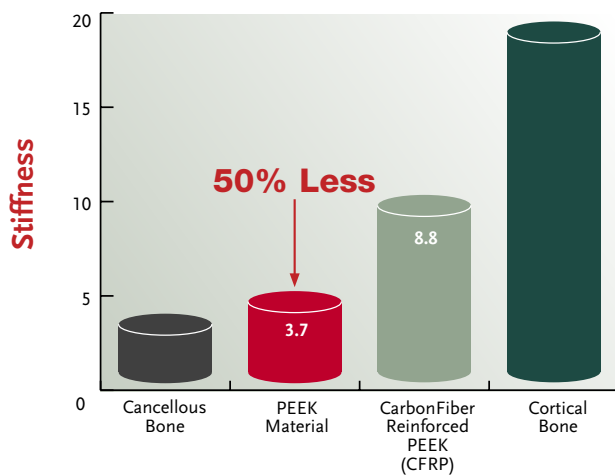
- Elastic (Young's) Modulus between cancellous and cortical bone
- Ideal load sharing implant

Modulus of Elasticity (MOE)

Modulus of Elasticity is a measure of a material's stiffness. The higher the Modulus of Elasticity, the stiffer the material. The lower the Modulus of Elasticity the better the load sharing.

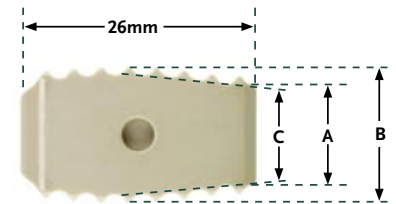
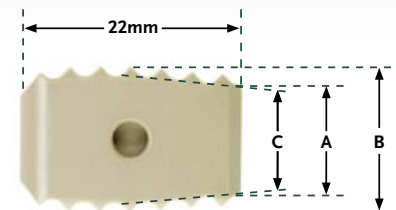
PEEK

- 50% less stiff than CFRP
- More closely approximates the MOE of cancellous bone, making it a better load sharing device.



TELAMON™ Design Features

- PEEK material
- Consistent 10mm width
- 8mm to 14mm heights
- Anatomical shape
- 3° lordosis
- Tantalum Radiographic markers
- Large surface area to reduce subsidence
- Large area for bone graft



Print Dimension	Implant Designator							
	8mm 22mm	10mm 22mm	12mm 22mm	14mm 22mm	8mm 26mm	10mm 26mm	12mm 26mm	14mm 26mm
A	8mm	10mm	12mm	14mm	8mm	10mm	12mm	14mm
B	10.2mm	12.2mm	14.2mm	16.2mm	10.6mm	12.6mm	14.6mm	16.6mm
C	3 deg	3 deg	3 deg	3 deg	3 deg	3 deg	3 deg	3 deg