



Medtronic
SOFAMOR DANEK

TELAMON™

VERTE-STACK™ PEEK Vertebral Body Spacer



For availability, labeling limitations, and/or more information on any MEDTRONIC SOFAMOR DANEK USA, INC. products, contact your MEDTRONIC SOFAMOR DANEK USA, INC. Sales Associate, or call MEDTRONIC SOFAMOR DANEK USA, INC. Customer Service toll free: 800-933-2635.



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

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LITTEPBR3



Material Advantages

Accuracy
Visualization of bone growth
No scatter or artifact with CTs and MRIs

Compatibility
History of usage
Metal Implants
Heart Valves/Stents
Artificial Joints
Spinal Implants
Dental Implants

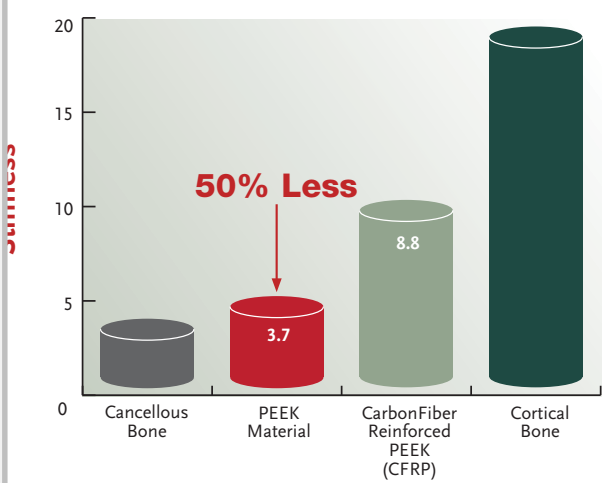
- Strength**
- Offers greater impact resistance
 - High ultimate strength
 - High fatigue strength
- Wear Resistance**
- Minimal wear debris was generated during fatigue testing
- Modulus of Elasticity**
- Elastic (Young's) Modulus between cancellous and cortical bone
 - Ideal load sharing implant

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.

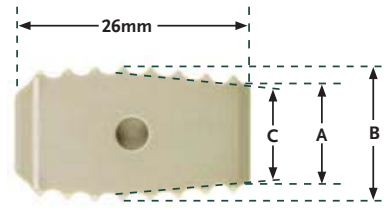
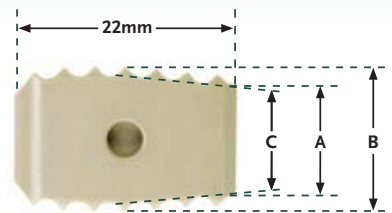
PEEK

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



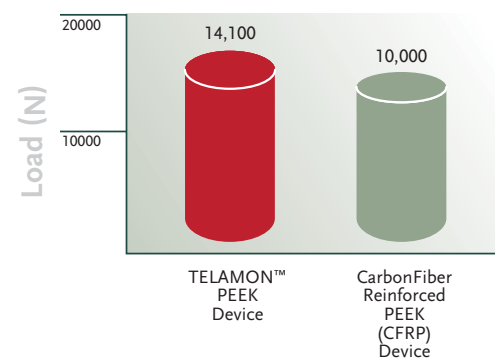
TELAMON™ Design Features

- 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

Static Limits



Vertebral endplates break at 10,000 N

Fatigue Limits

