



Medtronic

SOFAMOR DANEK

BOOMERANG™

VERTE-STACK™ PEEK Vertebral Body Spacer

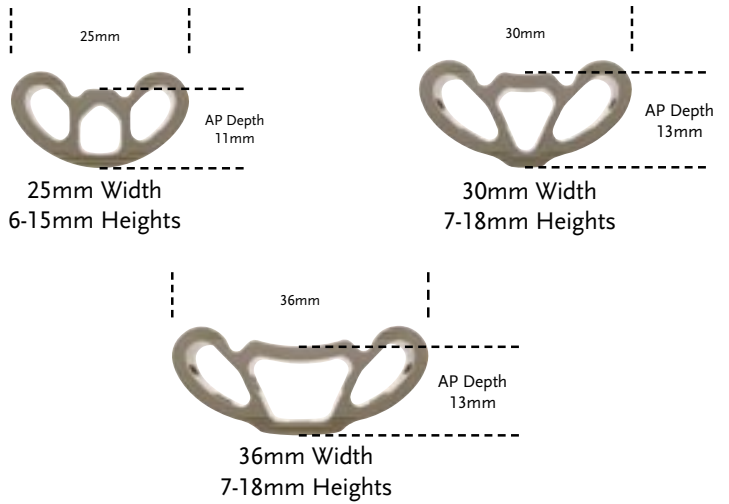


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BOOMERANG™
Design Features

- PEEK material
- 25mm, 30mm and 36mm width
- 6mm to 18mm heights
- Anatomical shaped (convex surfaces in both saggital and coronal plane)
- 7° lordosis
- Radiographic markers
- Large surface area to reduce subsidence
- Large area for bone graft
- Multiple Inserter attachment options





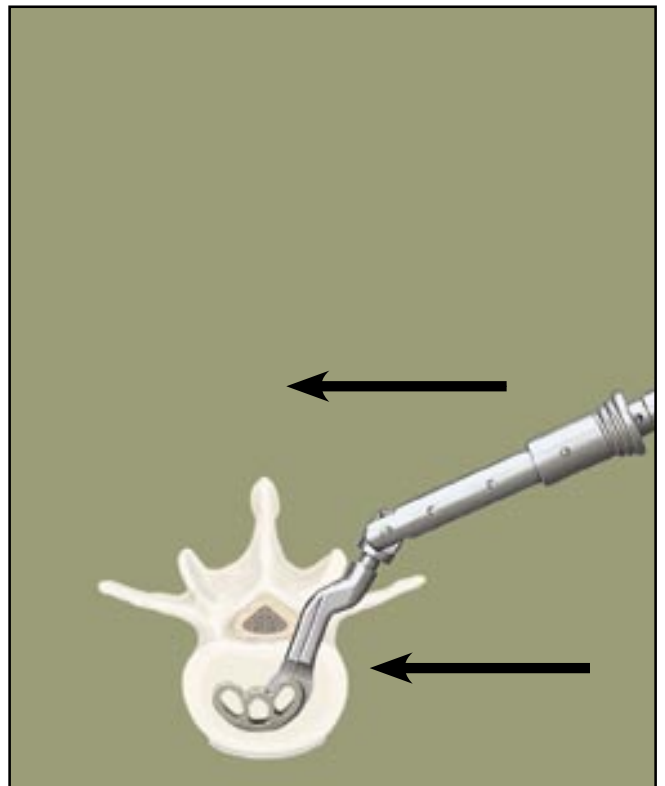
STEP 1 Attach the appropriate sized BOOMERANG™ Implant to the Inserter by placing the Implant into the “Claw” on the Inserter and tighten with the Screwdriver.

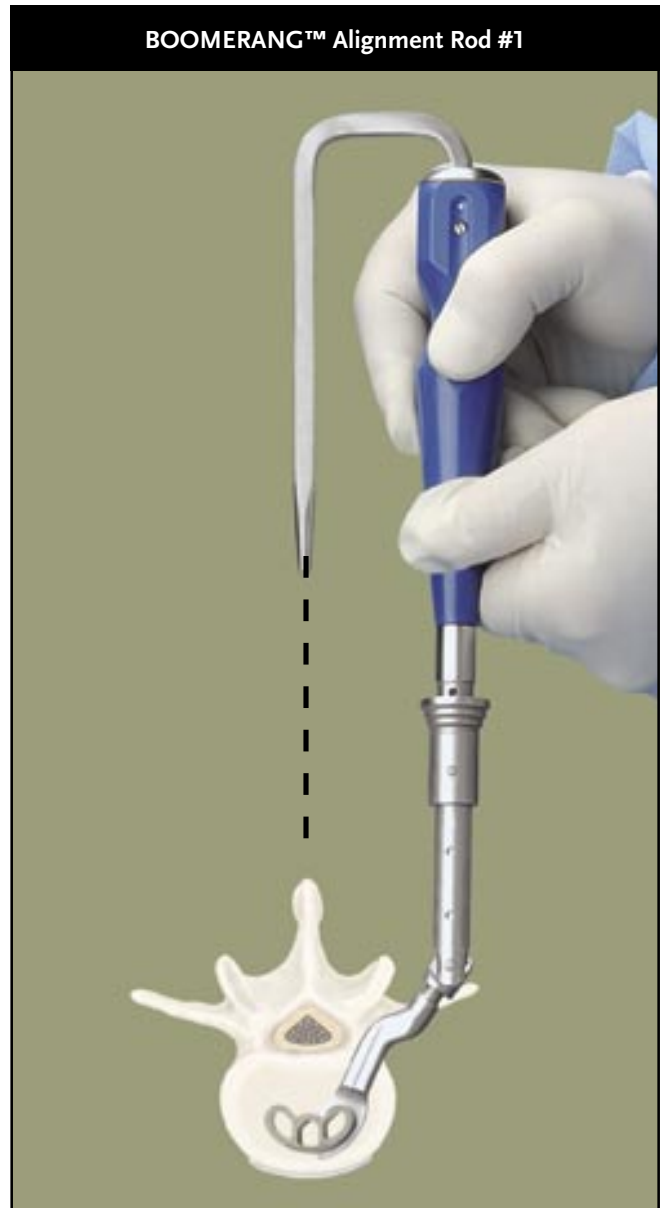
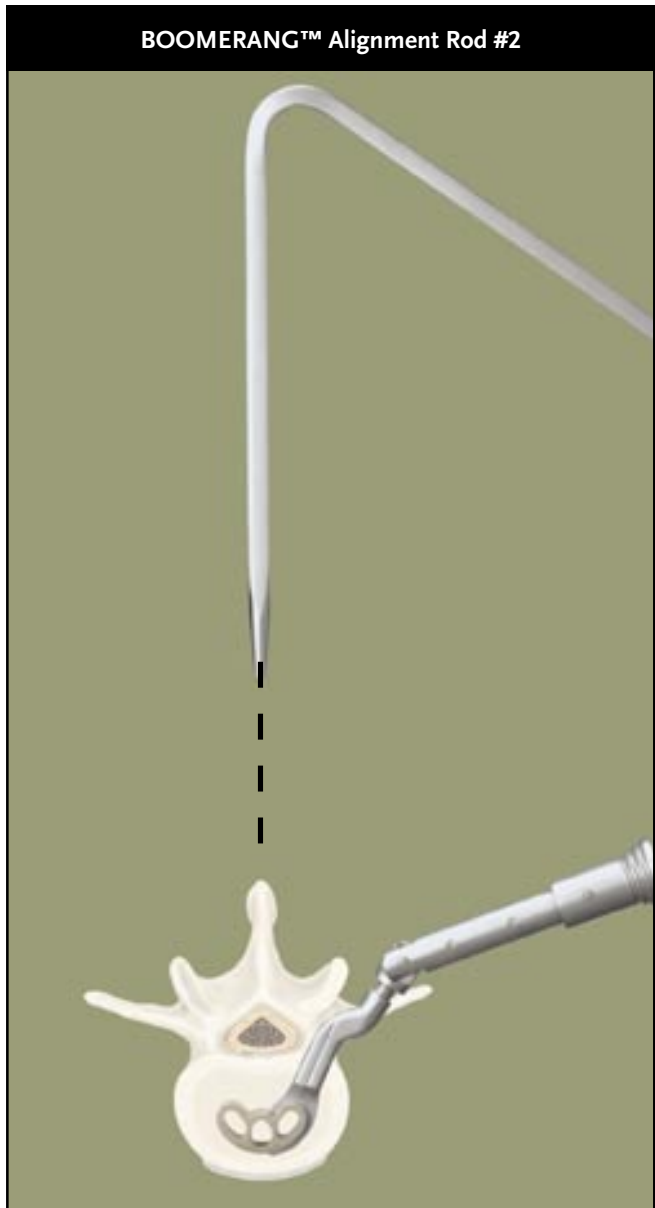


STEP 2 Use the Inserter, in combination with the Pusher, to begin insertion of the BOOMERANG™ Implant into the vertebral body.



STEP 3 Rotate the Inserter Handle to the “second position” and impact BOOMERANG™ Implant across the vertebral body.





STEP 4 Use the Alignment Rods to verify the final position of the BOOMERANG™ Implant. Once final position has been verified, remove the Inserter using the Screwdriver.

NOTE: Step 2 and Step 3 may be reversed based on patient anatomy.

PEEK Material Advantages

Radiolucency

- Easier visualization of bone growth
- No 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

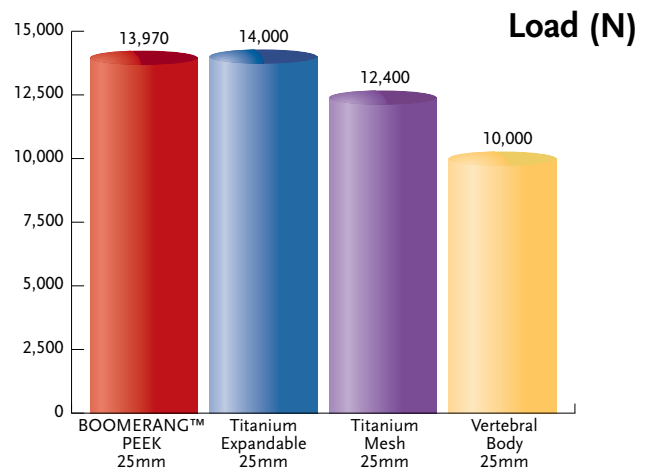
Wear Resistance

- ZERO wear debris was generated during fatigue testing

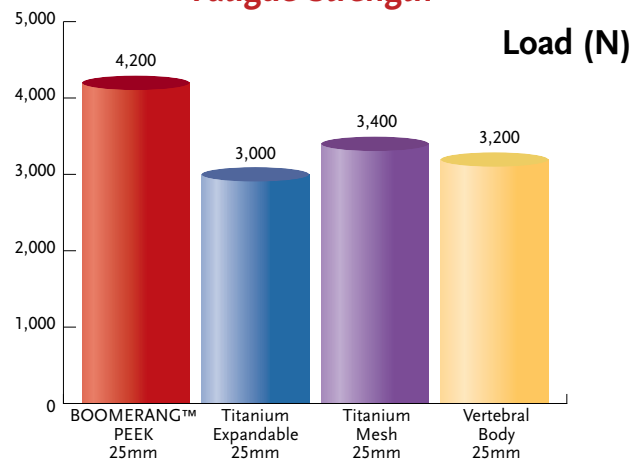
Modulus of Elasticity

- MOE between cancellous and cortical bone
- Ideal load sharing implant

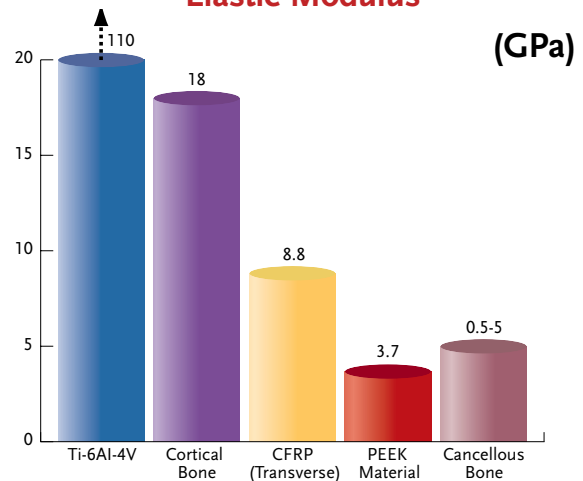
Ultimate Strength



Fatigue Strength



Elastic Modulus



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