



**BENGAL**™

S Y S T E M

Made with CFRP



**The Fusion of Power**

**and Performance.**

# A Spinal Implant

## Designed to Fit. **Naturally.**

BENGAL is a spinal implant made of radiolucent carbon fiber reinforced polymer (CFRP), a material that has a modulus of elasticity approximating that of cortical bone. The result is an implant that meets the structural requirements of anterior column support, while optimizing the fusion environment through an open, load-sharing design.

# BENGAL



### **Teeth**

To prevent migration.

### **Large Center Opening**

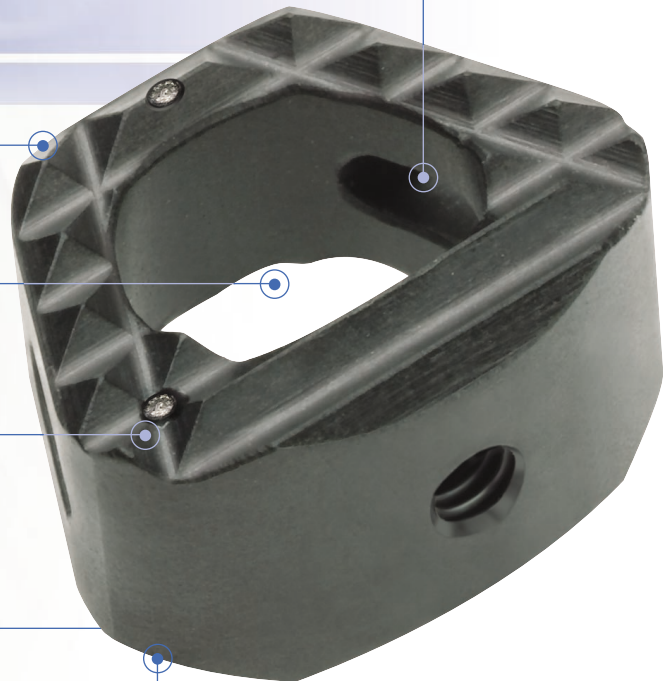
Allows more area for bone graft-to-endplate contact.

### **Tantalum Beads**

Allow for visualization and implant placement verification.

### **Lateral Openings**

Facilitates vascularization.



### **Trapezoid Anatomical Shape**

To achieve proper sagittal alignment.

# A Precise

# Never

## Various Footprints

Standard and Large are available from 4mm to 16mm posterior heights in 1mm increments, parallel and lordotic. X Large is available from 5mm to 16mm, parallel only.

### Standard

12mm x 14.5mm



### Large

14mm x 17mm



### X Large

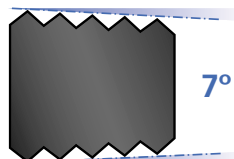
16mm x 20mm

Available parallel only

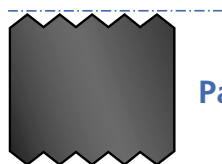


## Anatomic Design

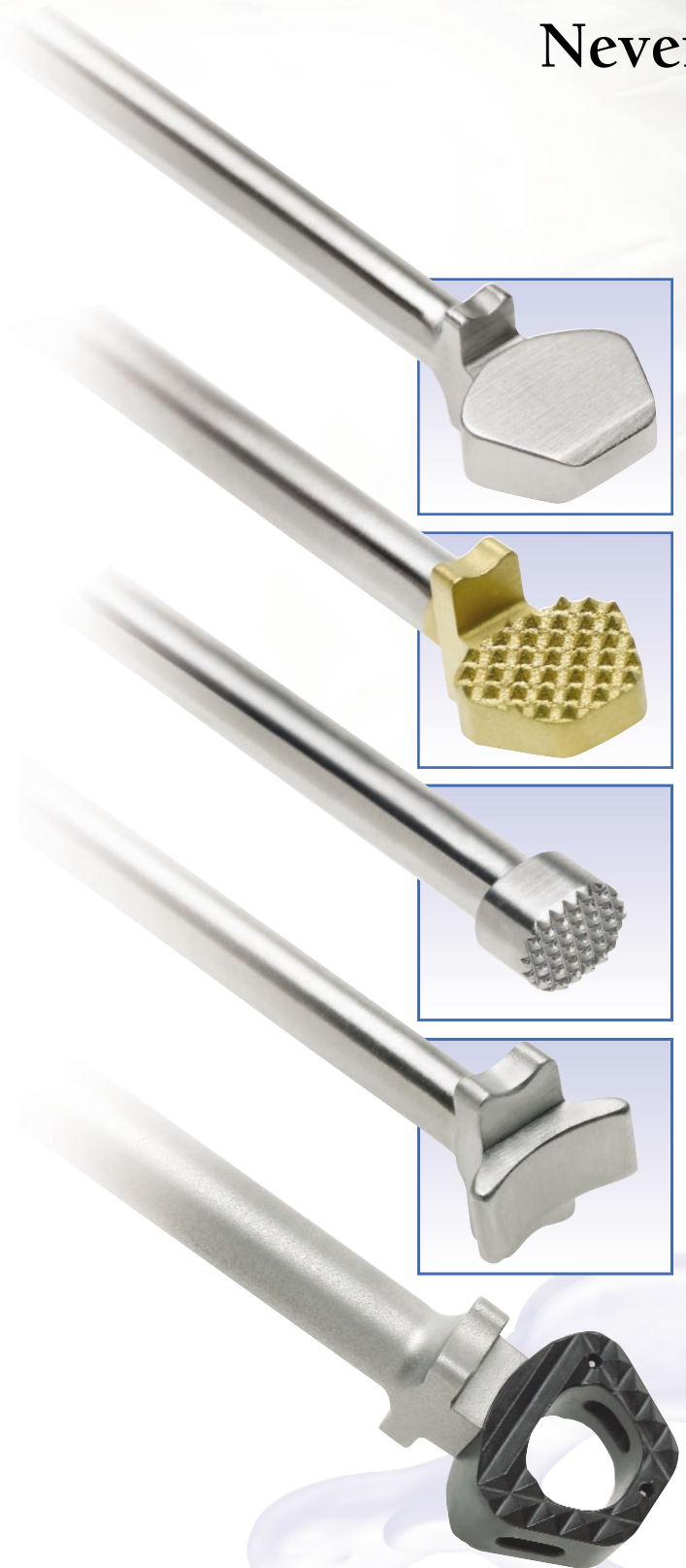
Available in both 7° and Parallel formations allowing the surgeon to achieve the proper sagittal alignment.



7°



Parallel (X Large Only)



# Fit has

# Been This **Easy.**

The BENGAL Instruments have been designed to allow for excellent apposition between the endplate and the implant, ensuring maximal opportunity for fusion.

## **Trials**

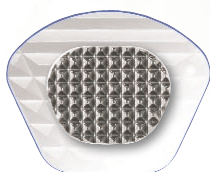
Designed to allow accurate assessment of height and footprint for proper implant selection.

## **Rasps**

Designed to prepare the endplate for the precise footprint prior to implant insertion.

## **Tamp**

The footprint of the tamp is shaped to match the internal geometry of the implant to pack sufficient bone graft.



## **Impactor**

Contoured to match the shape of the implant and distribute the stresses on impaction.



## **Inserter**

The threaded inserter is contoured to match the shape of the implant. Easy insertion and removal can be achieved with a single thread.



They lie undetected  
in their environment...

Powerful teeth ready to grip  
any surface...

Sleek, strong bodies  
agile enough to conquer  
any terrain...

DePuy AcroMed introduces the Big Cats,  
a family of spinal fusion implants made  
of Carbon Fiber Reinforced Polymer,  
the premier fusion enabling material to  
reconstruct the anterior column of the spine.

### **STRENGTH**

200% greater than pure PEEK<sup>1</sup>

### **OPEN DESIGN**

Maximum area for bone graft  
and lateral vascularization

### **PROVEN CLINICAL SUCCESS**

CFRP implants have over  
a decade of use in the spine<sup>2</sup>

### **RADIOLUCENCY**

Accurate fusion assessment



# **CFRP.**

Unleash the  
Power & Performance



S Y S T E M

Made with CFRP



- *Open design allows more area for bone graft-to-endplate contact.*
- *Radiolucent Carbon Fiber Reinforced Polymer.*
- *Trapezoid shape to fit naturally in the spine.*
- *Simple and effective instrumentation for preparation and insertion.*

**CFRP.**

Unleash the  
Power & Performance

## I N D I C A T I O N S

The BENGAL™ Implant System is indicated for use in the thoracolumbar spine (i.e., T1 to L5) to replace a diseased vertebral body resected or excised for the treatment of tumors, to achieve anterior decompression of the spinal cord and neural tissues, and to restore the height of a collapsed vertebral body.

BENGAL is also indicated for treating fractures of the thoracic & lumbar spine.

The BENGAL DePuy AcroMed VBR System is designed to restore the biomechanical integrity of the anterior, middle and posterior spinal column even in the absence of fusion for a prolonged period.

The BENGAL DePuy AcroMed VBR System is intended for use with supplemental internal fixation. The supplemental internal fixation systems that may be used with the BENGAL DePuy AcroMed VBR System include DePuy AcroMed titanium plate or rod systems (i.e., KANEDA™ SR, UNIVERSITY PLATE™, M-2™ Anterior Plate, ISOLA®, VSP®, MOSS MIAMI™, TIMX™, MONARCH™, PROFILE™).

**Limited Warranty and Disclaimer: DePuy AcroMed products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.**

**WARNING: In the USA, this product has labeling limitations. See package insert for complete information.**

**CAUTION: USA Law restricts these devices to sale by or on the order of a physician.**

**DePuy AcroMed is a joint venture with Biedermann Motech GmbH.**

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All products are not currently available in all markets.

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**To order, call DePuy AcroMed Customer Service (1-800-ACROMED).**

1. Williams, DF, McNamara, A., Turner, RM. Potential of polyetheretherketone (PEEK) and carbon fiber-reinforced PEEK in medical applications. Journal of Material Science Letters: 6, 1987; 188-190.

2. Brantigan, JW., et al. The Lumbar V/F Cage for PLIF with VSP pedicle screw system – Ten year results of a Food and Drug Administration clinical trial. Accepted for publication at 18th Annual Meeting of National Association of Spine Surgeons, October 21-25, 2003, San Diego, CA.



**Ingenuity. Integrity.  
Infinite possibilities.™**

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