



*Evolution*<sup>®</sup>  
MEDIAL-PIVOT KNEE SYSTEM

**Evolution<sup>®</sup> BioFoam<sup>®</sup> Tibial System**  
***For Cementless Tibial Fixation***

 **MicroPort**

BioFoam® Cancellous Titanium represents a new generation in cementless fixation. It is a biocompatible implant that is designed to provide stable initial fixation without compromising the long-term demands of today's patient population.

## ***FIXATION WITH BITE™***



### **Trabecular Architecture similar to Bone <sup>2</sup>**

- 60-70% Porous
- Full Interconnecting Porosity
- Manufactured from Commercially Pure (CP) Titanium Metal
- Osteoconductive<sup>1</sup> Matrix

### **High Compressive Strength <sup>3,4</sup>**

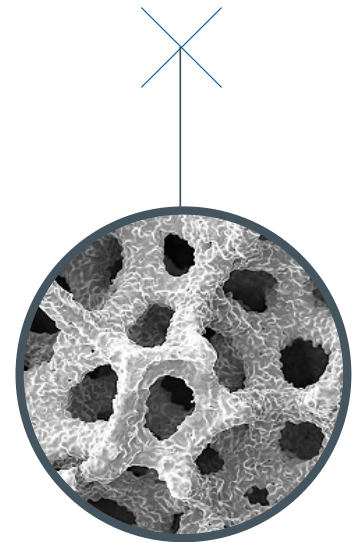
- Remains strong under impaction and repeated loading

### **High Abrasion Resistance**

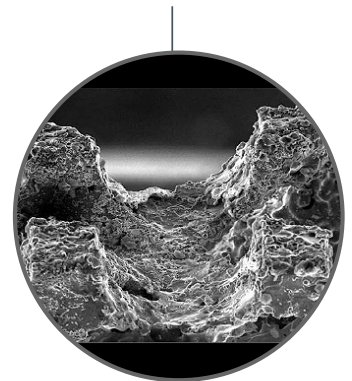
- Ability to withstand surgical impaction and still maintain 70% porous stratum to allow bone apposition<sup>1</sup>

### **Stability at Initial Implantation <sup>5</sup>**

- Provides initial Scratch-fit
- Coarse Struts “Bite” into bone



100X Magnification



200X Magnification

## EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS

| Catalog No. | Description                               | Size                  |
|-------------|-------------------------------------------|-----------------------|
| ETPLB2PL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 2+ Left          |
| ETPLB3SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 3 Standard Left  |
| ETPLB4SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 4 Standard Left  |
| ETPLB5SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 5 Standard Left  |
| ETPLB6SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 6 Standard Left  |
| ETPLB6PL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 6+ Left          |
| ETPLB7SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 7 Standard Left  |
| ETPLB8SL    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 8 Standard Left  |
| ETPLB2PR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 2+ Right         |
| ETPLB3SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 3 Standard Right |
| ETPLB4SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 4 Standard Right |
| ETPLB5SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 5 Standard Right |
| ETPLB6SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 6 Standard Right |
| ETPLB6PR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 6+ Right         |
| ETPLB7SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 7 Standard Right |
| ETPLB8SR    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS | Size 8 Standard Right |

## EVOLUTION® BIOFOAM® PRESS FIT KEELS

| Catalog No. | Description                        | Size                |
|-------------|------------------------------------|---------------------|
| ETPK1534    | EVOLUTION® BIOFOAM® PRESS FIT KEEL | 15mm x Size 2+3/4   |
| ETPK1556    | EVOLUTION® BIOFOAM® PRESS FIT KEEL | 15mm x Size 5/6     |
| ETPK1578    | EVOLUTION® BIOFOAM® PRESS FIT KEEL | 15mm x Size 6+ /7/8 |

## EVOLUTION® BIOFOAM® TIBIAL SYSTEM, IMPLANT KITS

| Catalog No. | Description                                     |
|-------------|-------------------------------------------------|
| EBFRKITB    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS RIGHT |
| EBFLKITB    | EVOLUTION® BIOFOAM® TIBIAL BASE SCREWLESS LEFT  |
| EKPFKITA    | EVOLUTION® BIOFOAM® KEELS                       |

## COMPATIBILITY CHART

| Tibial Base | Modular Keels |          |          |
|-------------|---------------|----------|----------|
|             | ETPK1534      | ETPK1556 | ETPK1578 |
| 2+          | x             |          |          |
| 3           | x             |          |          |
| 4           | x             |          |          |
| 5           | x             | x        |          |
| 6           | x             | x        |          |
| 6+          | x             | x        |          |
| 7           | x             | x        | x        |
| 8           | x             | x        | x        |

The eMP™ Knee System addresses the limitations of traditional designs and today's patient needs by delivering flexion stability, anatomic motion, and wear-limiting design characteristics.<sup>6-8</sup>

## REFERENCES

1. Canine implant model demonstrated excellent bone apposition at 6 weeks.  
Data on file at MicroPort Orthopedics
2. Benchtop Data on File at MicroPort Orthopedics.
3. J.D. Bobyn. JBJS [Br] 1999;81-B:907-14.
4. Benchtop Data on File at MicroPort Orthopedics.
5. Benchtop Data on File at MicroPort Orthopedics.
6. LaMontagne M, et al. Quadriceps and Hamstring Muscle Activation and Function Following Medial Pivot and Posterior Stabilized TKA: Pilot Study. EFORT Meeting, Prague, Czech Republic, 27–29 May 2015.
7. Schmidt R, Komistek RD, Blaha JD, Penenberg BL, Maloney WJ. Fluoroscopic analyses of cruciate-retaining and medial pivot knee implants. Clin Orthop Relat Res. 003 May; (416) 139-47.
8. Minoda Y, et al. Polyethylene wear particles in synovial fluid after TKA. Clin Orthop Relat Res. 2003. 410:165-172.



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The CE-Marking of Conformity is applied per catalog number and appears on the outer package label, if applicable.

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