

competitive
COMPARISON

PROFEMUR® Z
TOTAL HIP SYSTEM



How to Position the PROFEMUR® Z Hip System Against All Zweymuller Designs

The PROFEMUR® Z Hip, like all Zweymuller-style hips, features the same distinct stem characteristics, and boasts a successful 20-year clinical history. However, the PROFEMUR® Z Hip features modular necks which allow the surgeon to place the femoral and acetabular implants in optimal position while ensuring hip balance and stability. This offers Zweymuller stem users greater intraoperative flexibility than has ever been possible. **Therefore, sell the necks!**

- The Alloclassic® and SL-PLUS® offer one and two neck offset options respectively. This makes it difficult to change the version and varus/valgus of the hip should it be necessary. In contrast, the 12 modular neck options of the PROFEMUR® Z Hip, and the 110 possible head centers they provide, may be utilized to **fine-tune hip balance even after stem insertion.**
- Standard implants with fixed necks require stretching of the soft tissues for implantation in a minimally invasive procedure. PROFEMUR® modular necks **eliminate the need for soft tissue stretching.**
- The diverse offsets and lengths provided by the PROFEMUR® modular necks **may accommodate any variation in stem seating depth.**
- When using metal-on-metal or ceramic-on-ceramic bearings, lipped liners are not offered. PROFEMUR® modular necks **solve version or varus/valgus alignment problems** that would otherwise be solved through the use of a lipped liner.
- The flat-sided, reduced profile of the PROFEMUR® necks allows a **greater range of motion** and **reduces the chance of the neck contacting the acetabular shell** | FIGURE 1.

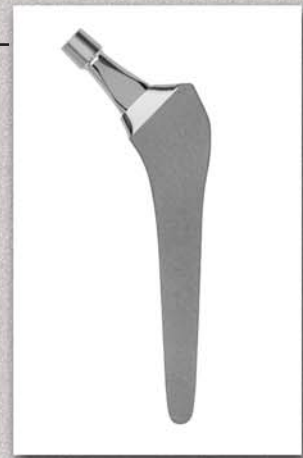


FIGURE 1

WRIGHT.
™

Wright Medical Technology, Inc. PROFEMUR® Z Hip System

- Based on Zweymuller stem clinical history (developed 2002)
- Titanium alloy with 6µm Ra surface roughness
- Rectangular cross-section, double-tapered straight stem
- All-broaching technique
- The distinctive trochanter wing significantly enhances initial proximal fixation, and provides rotational stability for the entire stem
- 9 stem sizes
- Available with LINEAGE® metal/polyethylene, metal/metal and ceramic/ceramic bearings
- Woodpecker pneumatic broach-driver may be utilized with system
- 12 modular necks



PLUS Orthopaedics SL-PLUS® (www.endoplus.co.uk)

- Third generation of Zweymuller hip (developed 1992)
 - Similar to PROFEMUR® Z Hip design
- Titanium alloy with 3-5µm Ra surface roughness
- Also available with proximal titanium/hydroxyapatite coating
- Rectangular cross-section, double-tapered straight stem
- All-broaching technique
- The distinctive trochanter wing significantly enhances initial proximal fixation, and provides rotational stability for the entire stem
 - 5% greater surface area than Alloclassic®
- 14 stem sizes
- Available with PLUS Endoprothetik AG ceramic and metal femoral heads
- Woodpecker pneumatic broach-driver is frequently utilized with system



Centerpulse Alloclassic® SL (www.sulzerorthopedics.com)

- Second generation Zweymuller stem (developed 1986)
 - The most clinically documented Zweymuller stem
- Titanium alloy with 4-6µm Ra surface roughness
- Rectangular cross-section, double-tapered straight stem
- All-broaching technique
- Advertised as the most used, primary, cementless hip in the world with more than 325,000 cases (Sulzer website)
- 14 stem sizes
- Available with Metasul® metal-on-metal acetabular inserts, as well as Durasul® highly cross-linked polyethylene acetabular inserts
- Woodpecker pneumatic broach-driver may be utilized with system



Wright Medical Technology, Inc.
5677 Airline Road
Arlington, TN 38002
901.867.9971 phone
800.238.7188 toll-free
www.wmt.com

Wright Cremascoli Ortho SA
Zone Industrielle la Farlede
Rue Pasteur BP 222
83089 Toulon Cedex 09
France
011.33.49.408.7788 phone

SL-PLUS® is a registered trademark of Plus Orthopaedics. Alloclassic®, Metasul® and Durasul® are registered trademarks of Centerpulse Orthopedics. All other ® registered marks and ™ trademarks of Wright Medical Technology, Inc. Covered by the following U.S. Patent and international equivalent: 4,957,510. ©2003 Wright Medical Technology, Inc. All Rights Reserved.

MH182-703