



**ALLOCLASSIC<sup>®</sup>**  
**ZWEYMÜLLER<sup>™</sup>**

Classic proven design with  
superior clinical results.



# Alloclassic® Zweymüller™

## Classic proven design with superior clinical results

After seven years of extensive research and development, the Alloclassic was introduced to the global market in 1986. Since then, it has established high standards for total hip arthroplasty with an unchanged design, excellent clinical results, and a technically simple application.

The long-term clinical success of the Alloclassic can be attributed to a unique combination of design features. A tapered stem geometry and a grit-blasted surface preparation provide proven initial and secondary fixation. In addition, the Alloclassic's rectangular cross-section has unparalleled rotational stability while the non-reaming technique allows for minimal disturbance to the endosteal blood supply and maximum bone conservation.

### Excellent Long-Term Clinical Results

The Alloclassic Hip is regarded by surgeons worldwide as the standard for total hip arthroplasty with over 16 years of excellent clinical results.

### Broad Product Indications

The versatile Alloclassic can be used in trauma cases, primary hip arthroplasty and revision hip arthroplasty in all bone types, from low- to high-demand patients.<sup>1</sup>

### Compatibility

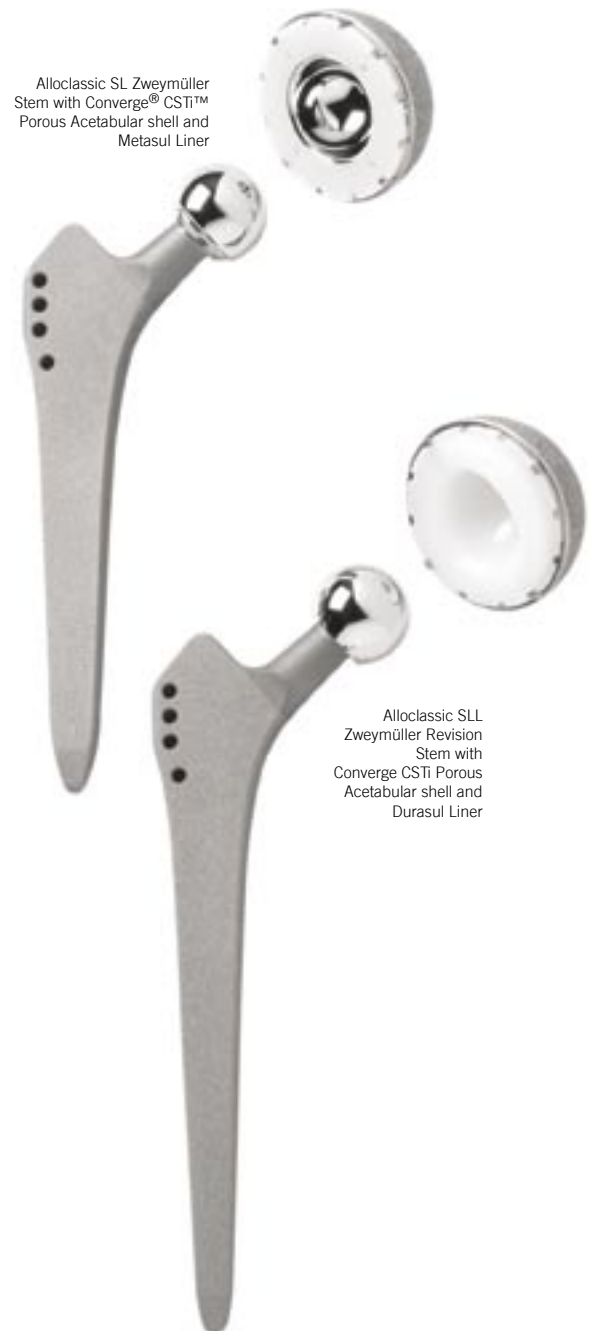
The Alloclassic's 12/14 taper is compatible with multiple Zimmer acetabular options, including unipolar and bipolar heads, ceramic heads, Metasul® metal-on-metal and Durasul® highly crosslinked polyethylene in head diameters up to 44 mm.

### Biologic Fixation

The Alloclassic's grit-blasted titanium niobium alloy with a 4-8 micron surface roughness provides a proven surface for reliable long-term fixation of the implant.

### Extensive Sizing

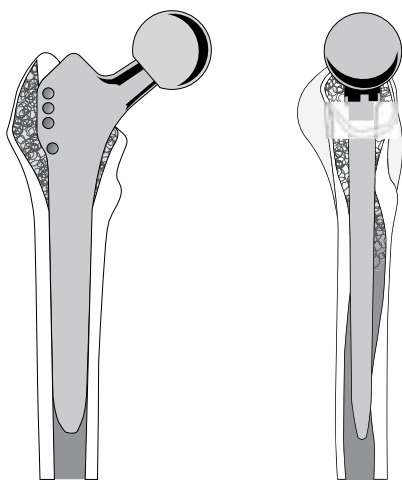
Fourteen anatomical sizes allow for an optimal patient fit.



# Celebrating over 350,000 implantations.

## 99% Survivorship After 10 Years<sup>2,3,4,5</sup>

With an unchanged design after 16 years and over 350,000 implantations, the Alloclassic Zweymüller has set a high standard for hip arthroplasty. Surgeons praise its technically simple application, outstanding stability and incredible long-term results. The Alloclassic Zweymüller can be used with Metasul<sup>®</sup> and Durasul<sup>®</sup>, two of the most advanced bearing options available today.



The tapered design in combination with the rectangular cross-section allow the Alloclassic to achieve both proximal and distal fixation with excellent rotational stability.

## Excellent Long-Term Clinical Results

Year	Author	Cases	Follow-up (years)	Survival Rate
1995	Havelin et al.	333	Avg. 3.9	99.1%
1995	Huo et al.	46	Avg. 4.2	100%
1995	Baumgartner et al.	533	Max. 7	98.9%
1995	Bohler et al.	104	Avg. 4.3	100%
1996	Delaunay et al.	167	Max. 8	99.3%
1996	Love	25	Max. 7	100%
1997	Dorig et al.	331	Max. 8	100%
1998	Delaunay et al.	116	Max. 8	99.3%
2001	Delaunay et al.	109 patients, 118 THA	Avg. 7.3	100%
2001	Delaunay et al.	185 patients, 200 THA	10	99.1%
2002	Grübl et al.	200 patients, 208 THA	Min. 10	99%
2003	Pieringer et al.	74	Avg. 10.7	100%

- The Alloclassic is available with minimally invasive hip instruments, specifically designed to optimize exposure and preserve soft tissue during THA through a mini-incision.<sup>6</sup>
- Gait studies showed that the function of the hip at 10 weeks was already 90% of normal for single limb stance. This indicates a faster recovery of normal leg strength compared to traditional techniques.<sup>7</sup>



- 1 Floren M, Lester DK. Outcomes of total hip arthroplasty and contralateral bipolar hemiarthroplasty: a case series. *J Bone Joint Surg Am.* 2003; 85: 523-526.
- 2 Delaunay C, et al. Survivorship analysis of cementless grit-blasted titanium total hip arthroplasties. *J Bone Joint Surg [Br].* 2001; 83-B93): 408-13.
- 3 Delaunay C, et al. Grit-blasted titanium femoral stem in cementless primary total hip arthroplasty. *J Arthroplasty.* 2001; 16(1): 47-54.
- 4 Grübl A, et al. Cementless total hip arthroplasty with a tapered, rectangular titanium stem and a threaded cup. *J Bone Joint Surg.* 2002; 84-A(3): 425-431.
- 5 Pieringer H, et al. Long-term results with the cementless Alloclassic brand hip arthroplasty system. *J Arthroplasty.* 2003; 18(3): 321-328.
- 6 Lester DK, Helm M. Mini-incision posterior approach for hip arthroplasty. *Orthop Traumatol.* 2001;245-253.
- 7 Dorr L, et al. Mini-incision for THA: Pros, cons, and experience to date. The Arthritis Institute at Centinela Hospital Medical Center. Copies available through Centerpulse Orthopedics, part number 1001-87-041. 2003.

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