

Size	standard	lateralised
0	310001	-
1	310002	310014
2	310003	310015
3	310004	310016
4	310005	310017
5	310006	310018
6	310007	310019
7	310008	310020
8	310009	310021
9	310010	310022
10	310011	310023



Size	Standard	lateralised
1	350000	-
2	350001	350013
3	350002	350014
4	350003	350015
5	350004	350016
6	350005	350017
7	350006	350018
8	350007	350019
9	350008	350020
10	<i>350009</i>	<i>350021</i>
11	<i>350010</i>	<i>350022</i>

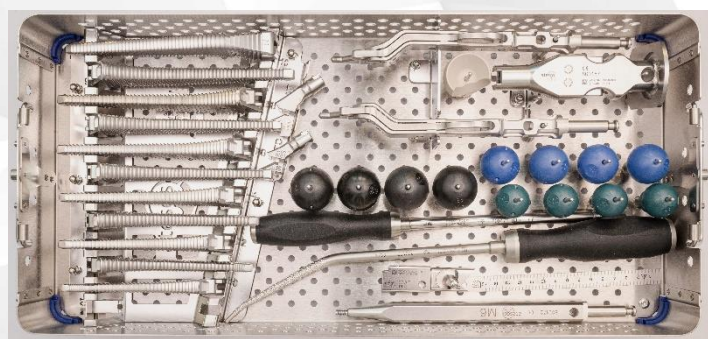


Atesos medical AG
 Schachenallee 29
 5000 Aarau
 Switzerland

T +41 62 823 15 15
<https://atesos.ch>
info@atesos.ch

Pyramid Hip Stem

swiss  made



All variants of the Pyramid hip stem can be used with **exactly the same** basic instruments thanks to variable neck modules.

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Pyramid cementless hip stem

A clinically successful concept –
Biofunctional anchoring

Since 2010, the Pyramid hip stem has been used in more than 35,000 procedures with good clinical results. The choice of material, cementless anchoring, offset concept and range of sizes are in line with the latest scientific findings.

Material non-cemented stem

Ti6Al4V

Surface

Pure titanium Plasma layer with high roughness (TiVPS)

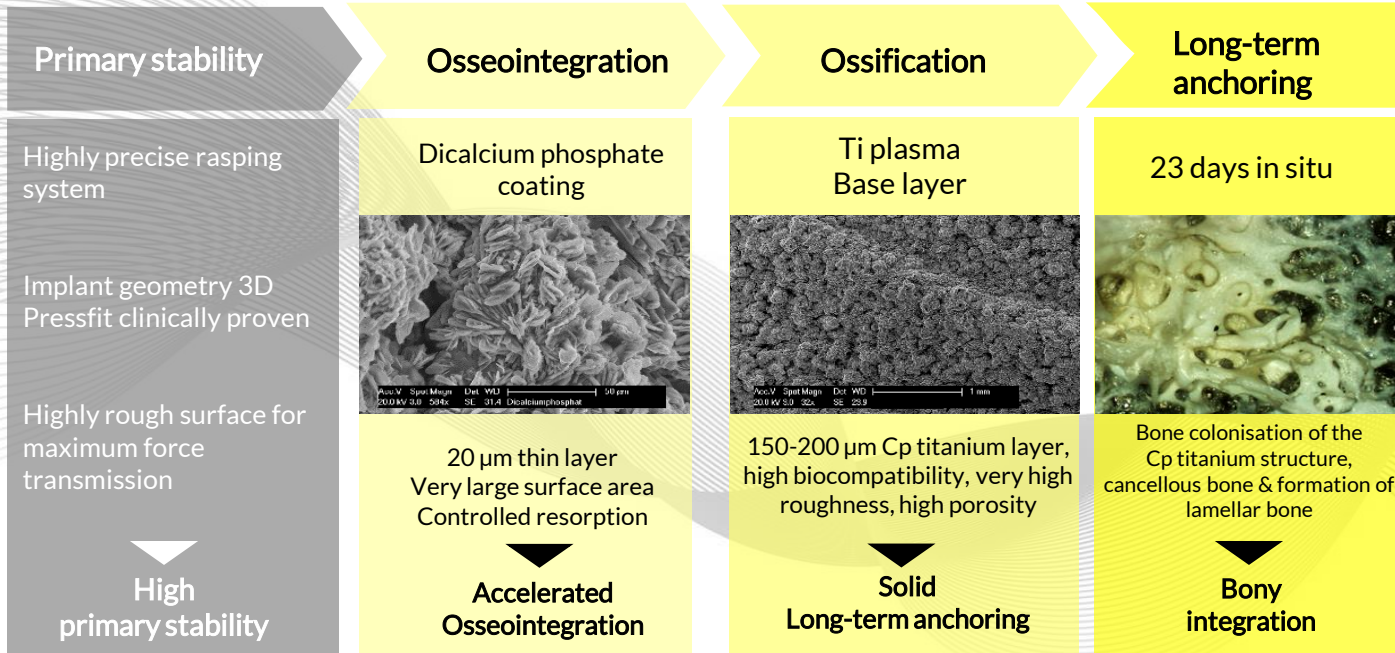
Supports secure, permanent long-term anchoring

Calcium phosphate layer

Supports rapid osseointegration



Biofunctional anchoring



Pyramid cemented hip stem

Controlled full cement mantle –
Completely polished surface

The combination of a smooth, highly polished surface and the centraliser produces the best long-term results for cemented anchoring (2). The shaft is forged from high-alloy stainless steel in accordance with ISO 5832-9.

A closed cement mantle is the basis for osteolysis-free long-term anchoring. Our rasp concept in conjunction with the PMMA centraliser system ensures a high-quality cement mantle.

Material cemented stem

Nitrogen-alloyed stainless steel (ISO 5832-9)
Netshape forged – high strength

Surface

Polished

Edge radii

Enlarged for lower cement stress

Cement

Minimum 1 mm full coat
Line-to-line (option)

Centraliser

Material PMMA
Firmly connected to the stem

Literature:

- Hallan G, Lie SA, Furnes O, Engesaeter LB, Vollset SE, Havelin LI. Medium- and long-term performance of 11,516 uncemented primary femoral stems from the Norwegian arthroplasty register. J Bone Joint Surg Br. 2007 Dec; 89(12):1574-80
- Ramos A; Simões JA / The influence of cement mantle thickness and stem geometry on fatigue damage in two different cemented hip femoral prostheses. Journal of biomechanics; VOL: 42 (15); p. 2602-10/20091113/
- R.A. Berger, M. Seel, K. Wood, R. Evans, J. D'Antonio, H.E. Rubash / Effect of a centralising device on cement mantle deficiency and Initial Prosthetic Alignment in Total Hip Arthroplasty. The Journal of Arthroplasty, Vol. 12 No. 4 1997