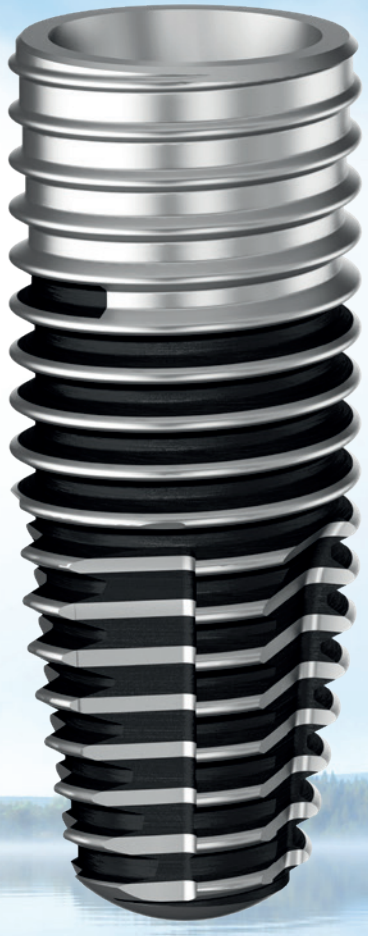
Brånemark Integration



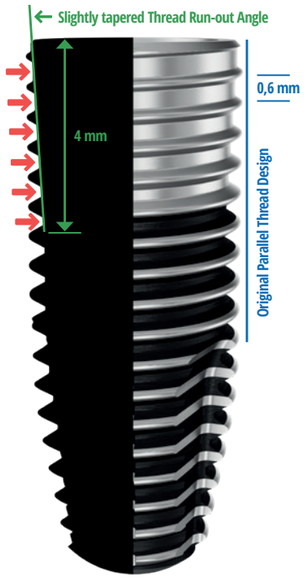
BioHelix™ *Respect*

Sweden AB

Unique Thread Run-out Design

The new Fixture BioHelix™ Respect is featuring the unique **Thread Run-out Design** wich offers a gentle and stress-free condensation of the bone during the final stage of the installation procedure. This thanks to a minor design change of the thread valley configuration by adding a **Slightly Tapered Thread Run-out Angle** starting approximately 4 mm below the top of the fixture.

The more than 50 years proven **Original Parallel Thread Design** has been preserved on the entire fixture length.



Combining the **Original Thread- and Thread Run-out Design** features offers several clinical benefits for the clinician:

- **Optimal primary stability** in all clinical situations and bone qualities without over-compressing the bone.
- **Maximum thread-to-bone contact** due to having the original macro threads all the way up to the abutment platform level.
- **Reduced drill steps** due to complete elimination of dense bone reamers and/or screw taps.

The Legacy

The discovery, long-term research and clinical documentation of dental implant treatment modality by **Professor Per-Ingvar Brånemark** has become the reference for clinicians worldwide.

In 2001 **Prof. Brånemark** with son **Prof. Rickard Brånemark** founded the company Brånemark Integration Sweden AB on the principle that the original concept of **osseointegration** offers the greatest long-term benefit for the implant patient.

BioHelix™ Respect

The new Fixture from Brånemark Integration Sweden AB

Internal Conical Connection

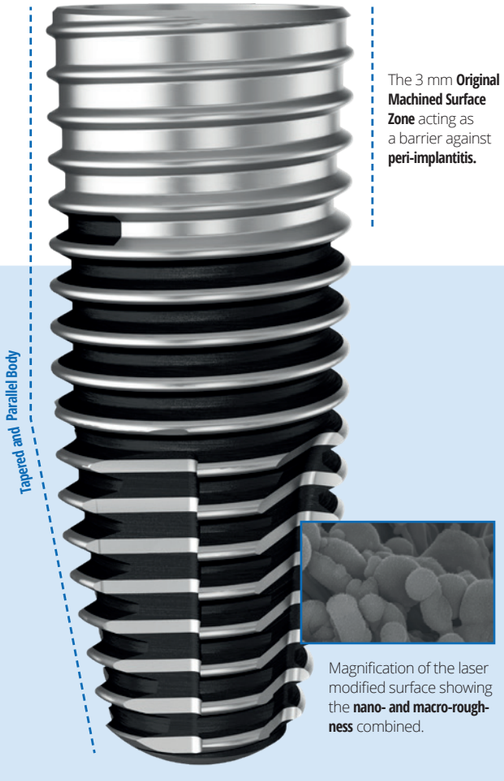
The new internal conical connection from Brånemark Integration Swedeb AB is featuring the known Platfrom Switching Concept. The connection is aquipped with hexagonal rotational locking for precise positioning of single abutments.

Parallel and Tapered in ONE Design

BioHelix ™ Respect combines the Original Parallel Walled macro design with a Tapered Implant Body thanks to the redesigned Self-cutting Apex.

New Self-Cutting Apex; Simplified Protocol

The redesigned self-cutting apex with 5 cutting chambers offers gentle and efficient bone cutting properties in all bone qualities. This ultimate design reduces the drill steps and completely eliminates the need for a screw-tap.



The 3 mm **Original Machined Surface Zone** acting as a barrier against **peri-implantitis.**

Magnification of the laser modified surface showing the **nano- and macro-roughness** combined.

Original Machined and BioHelix™ Rough Surface

The Best of Two Worlds

Original Machined Surface...

The **Original Machined Surface** with over 50 years of proven long-term clinical performance and stability has been preserved on specific areas of the fixture body.

...anti Peri-implantitis

An **Original Machined Surface Zone 3 mm** from the top of the fixture and on the thread tips act as a biological barrier against bacterial accumulation and proliferation along the fixture body. This surface texture has proven to offer the best protection against the biggest growing implant problem **peri-implantitis.**

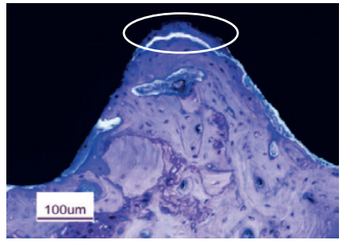
BioHelix™ Rough Surface...

The unique **BioHelix™ Rough Surface** is a titanium oxide surface on micro- and nano-scale level created by proprietary laser technology proven to offer unique osseoconductive properties.

...stronger than bone after 8 weeks.

The BioHelix™ Rough Surface, is added only where needed the most; in the the thread valleys proven to generate most biological activity.

Brånemark et al, 1977



Light micrograph showing bone in close contact with a BioHelix™ thread after 8 weeks. The circle depicts the fracture line in the bone – not in the bone/implant interface.

Professor Peter Thomsen Göteborg, Sweden

BioHelix™ *Respect*

Total Solution Provider

Brånemark Integration Sweden AB's philosophy is to offer predictable and long-term functional prosthetic solutions adapted to each individual patient needs.

Standard Solutions

Since decades proven standard prosthetic and laboratory components in high quality materials and precision making it possible to realise long-lasting prosthetic and laboratory work using conventional dental techniques.

- **Healing and Temporary Abutments** in Titanium
- **Impression Copings and Analouges** in Stainless steel
- **MultiAbutment™ Straight & Angled 17°/30° Screw-retained Abutments** in Titanium
- **Ti-Base Interface Abutments** in Titanium for Zirconia solutions
- **Laboratory Burn-out & CoCr Cylinders** etc.

Innovative Solutions

Innovative components developed by Brånemark Integration Sweden AB offering new features like angle the screw-channels using conventional laboratory techniques and materials.

BioTemp™ Temporary Abutment 20° in Titanium offers the possibility to realize an esthetic and functional temporary prosthesis without the use of angled abutments.

BioBase™ Interface Abutment in Titanium offering the possibility to realize screw-retained multiple reconstructions with up to 25° angled screw channels.

BioCast™ Cylinder in Cobalt-chrome combines tradional casting technique with high precision and angled screw-access channel up to 25°.

Customized Solutions

Brånemark Integration Sweden AB offer customized CAD/CAM solutions produced using the latest 3D printing technologies including, single and multiple fameworks and abutments in Titanium or Cobalt Chrome with the possibility to angle the screw-access channel at up to 25°.

Brånemark Integration Sweden AB
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Doc.No: 006 477 rev 03, Feb 2020
Production: mkmedia