

# Brånemark Integration AB

A SWEDISH DENTAL COMPANY



**BioHelix™** *Respect*

News from Brånemark Integration

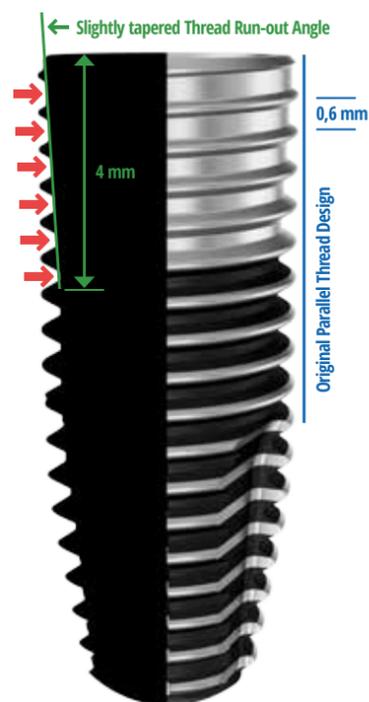


Swedish Evidence-Based Patient Care

## Unique Thread Run-out Design

The new Fixture BioHelix™ Respect is featuring the unique **Thread Run-out Design** which 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 **Dr. Rickard Brånemark** founded the company Brånemark Integration 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 AB

### Internal Conical Connection

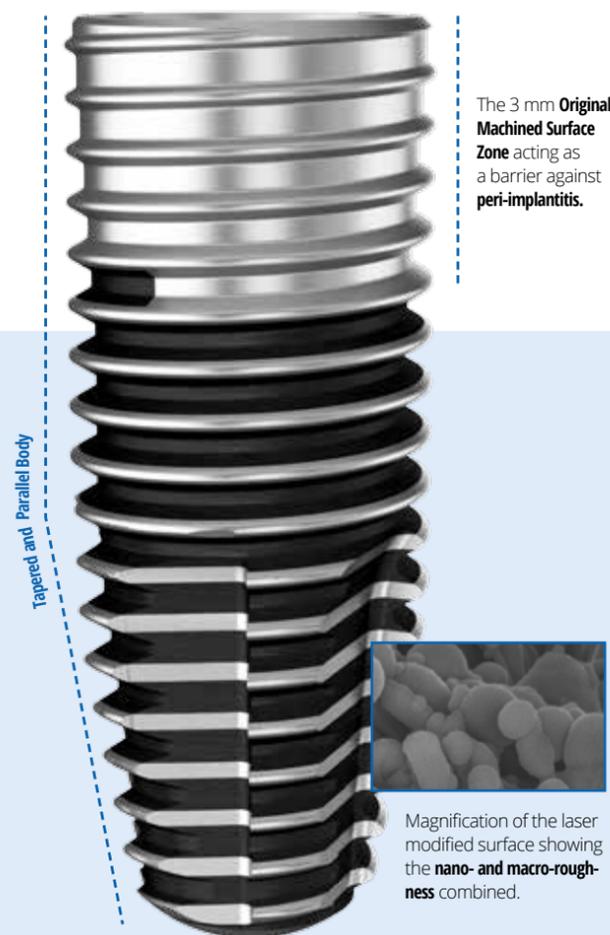
The new internal conical connection from Brånemark Integration AB is featuring the known Platform Switching Concept. The connection is equipped with a dodecagon (12-edged) rotational locking for precise positioning of single abutments.

### 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.



## 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**.

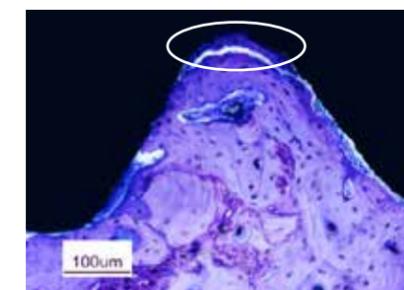
### BioHelix™ Rough Surface...

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 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 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 makes it possible to realise long-lasting prosthetic reconstructions using conventional dental techniques, procedures and materials.

- **Healing and Temporary Abutments** in Titanium
- **MultiAbutment - Straight & Angled 17/30° Screw-retained Abutments** in Titanium
- **Ti-Base - Interface Abutments** in Titanium for conventional dental alloys and zirconia materials
- **Prosthetic Titanium Screws "black" DLC coated** (Diamond Like Carbon) for long-term prosthetic screw-joint stability
- **Burn-out & CoCr Laboratory Cylinders** etc.



### Innovative Solutions

Innovative components developed and patented by Brånemark Integration AB offer increased solutions with the possibility to angle the screw-channels at up to 25° using conventional dental techniques and materials.

**BioTemp™ Temporary Abutment 20°** in Titanium with a fixed screw-access angulation of 20°.

**BioBase™ Interface Abutment** in Titanium offering the possibility to angle the screw-access channel at up to 25°.

**BioCast™ Burn-out Cylinder** offering the possibility to angle the screw-access channel at up to 25°.



### Customized Solutions

Brånemark Integration AB customized patient adapted solutions are manufactured using the latest CAD/CAM technologies. Single- and multi-unit frameworks with passive fit in Titanium and Cobalt Chrome materials of choice.



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Krinova Science Park - Stridsvagnsvägen 14

SE-291 39 Kristianstad, Sweden

Phone: +46 44 20 28 94

info@branemarkintegration.com

www.branemarkintegration.com