

**NEW**

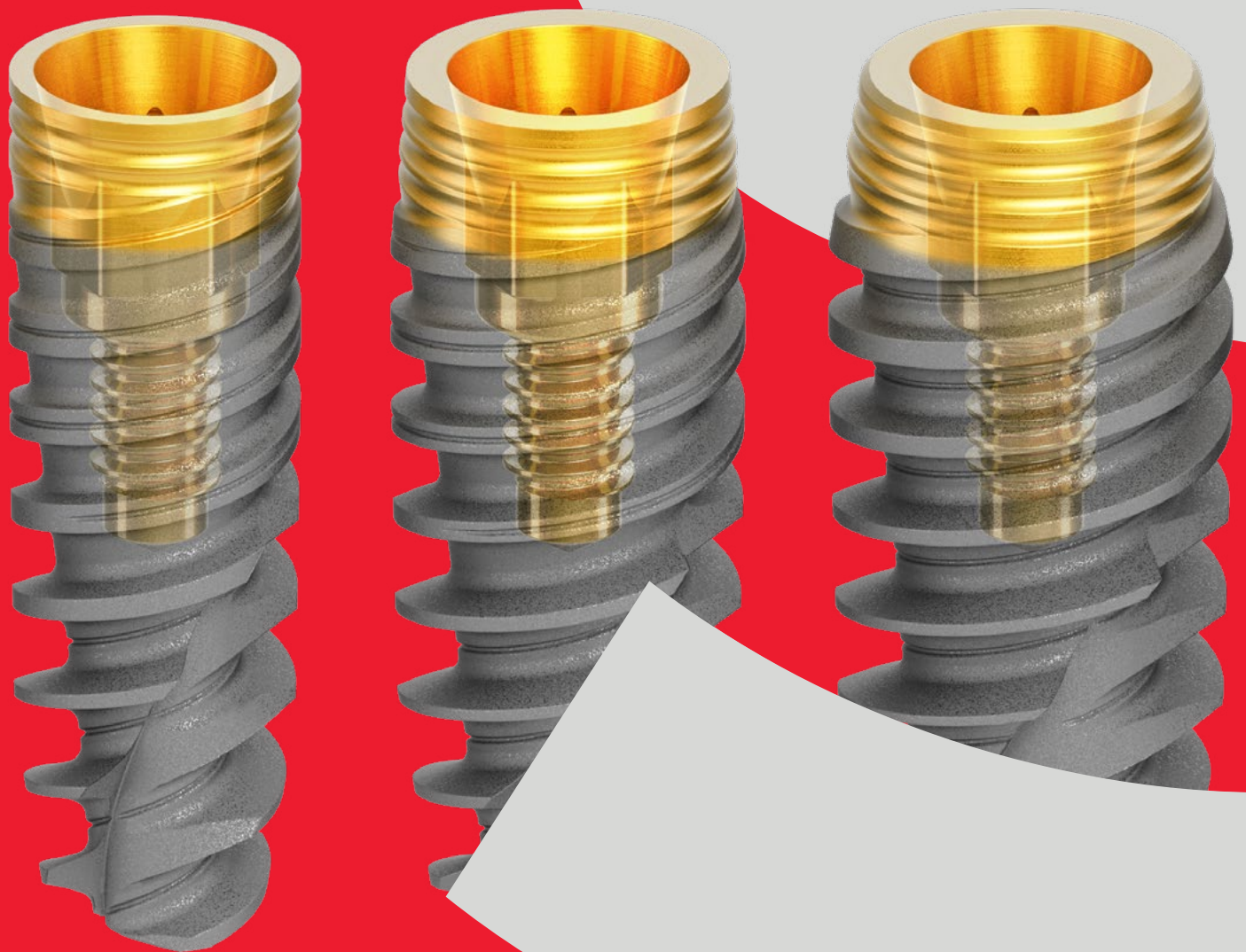
# Nobel Biocare S series implant portfolio



**Trusted implant designs,  
united in one connection.**

# S series implants

## The power of 4S



## Smart

Designed around one single prosthetic connection size.

## Science

Preserving the biological width has been shown to support long-term stability and esthetic outcomes, with enhanced platform shifting being a key contributing factor.

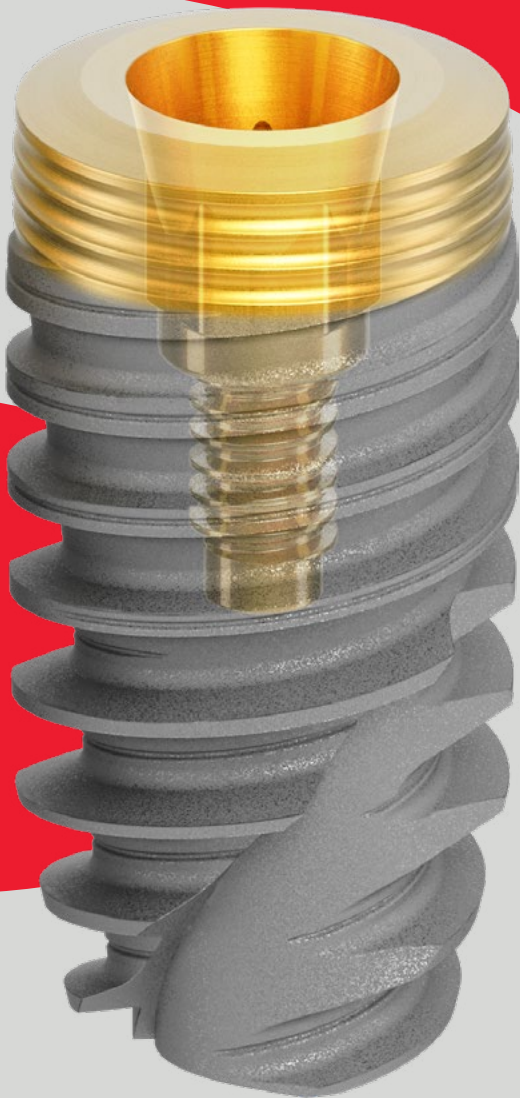
## Strong

One powerful connection, engineered for strength.

## Simple

With fewer restorative components, inventory, planning and staff training become simpler, while the clinical workflow becomes truly streamlined.\*

\* Compared to Nobel Biocare multi-platform implant systems

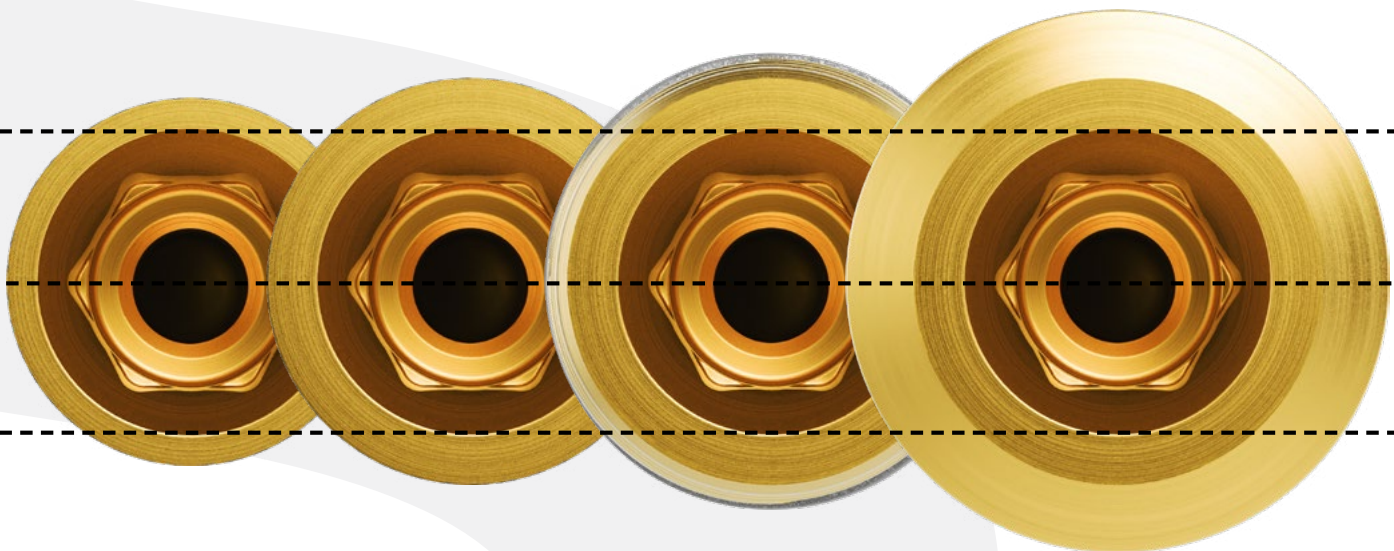


# Smart

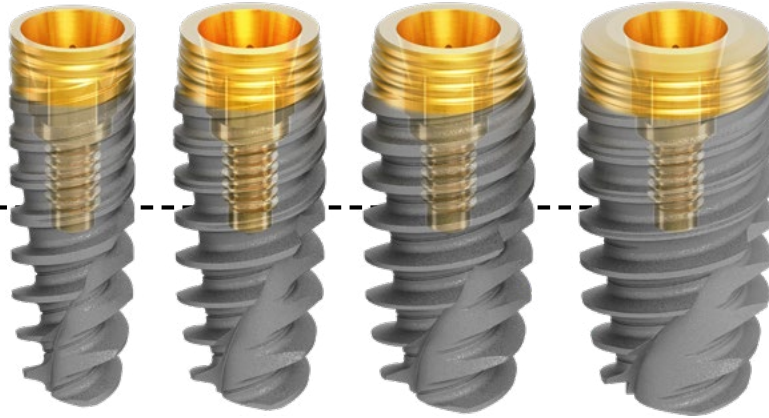
| One trusted connection

## NP conical connection

Streamlined across all implant sizes,  
for all indications



**NobelActive® S**



**NobelParallel™ S**



**NobelReplace® S**



# Science

Built for biology — Engineered to preserve bone and soft tissue

## ✓ **Work with biology**

Designed to respect and preserve the biological width for predictable outcomes.

## ✓ **Platform shift**

Creates sufficient space for soft and hard tissue to support long-term stability.\*

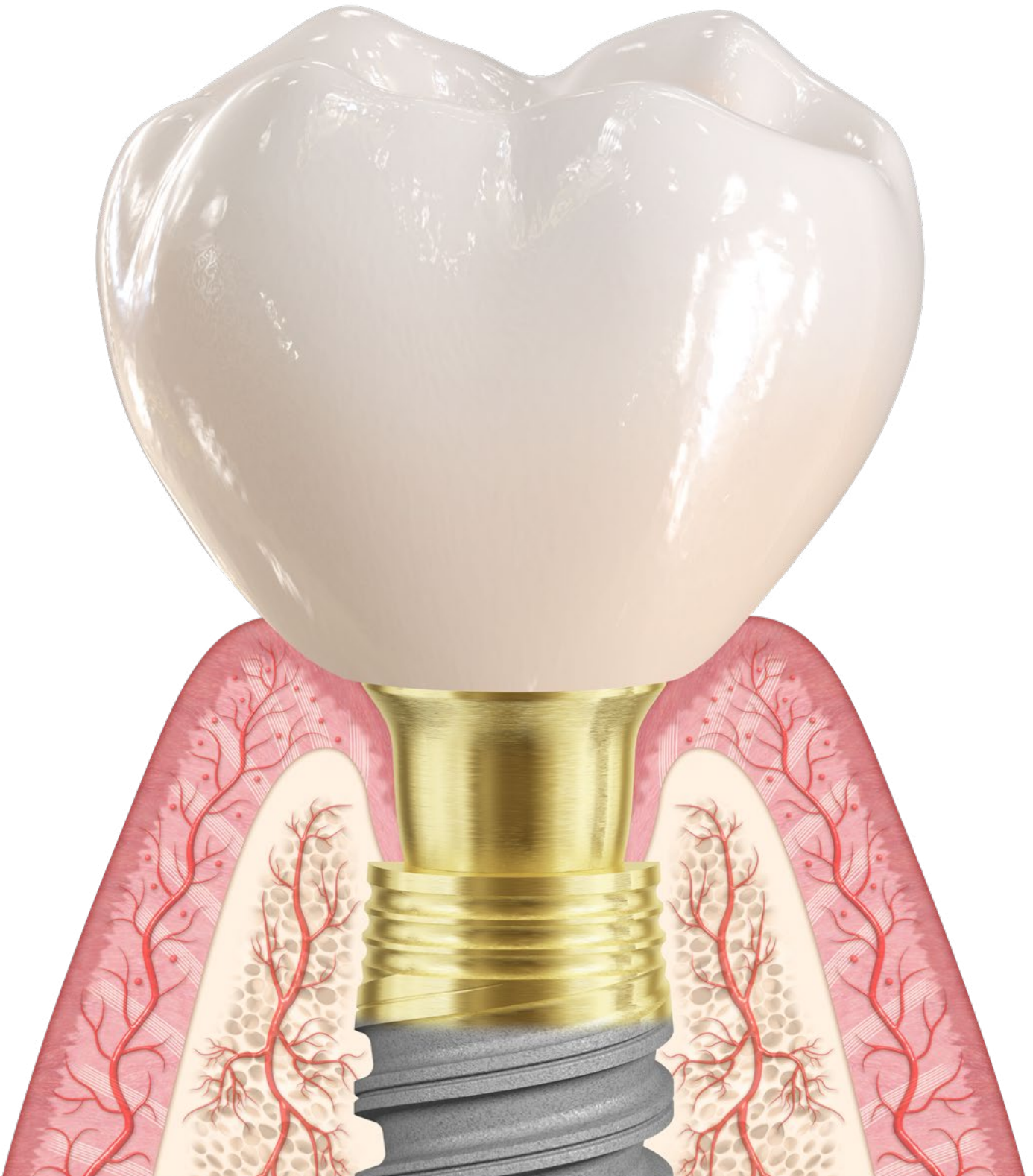
## ✓ **Protect bone**

Platform shift helps preserve marginal bone levels and support long-term esthetic outcomes.\*

\* Compared to platform matching.

**With S series  
Greater shift, better outcome.**

Greater implant-abutment shift is associated with more favorable marginal bone levels.<sup>1,2,3</sup>



# Strong

One powerful connection that delivers more than just simplicity

## ✓ Built strong

Wider implant size means greater collar wall thickness.

## ✓ Tight connection

Minimizes the risk of bacterial leakage supporting maintenance of marginal bone.<sup>16,17,22</sup>

## ✓ Precision-fit

Original prosthetic components minimize risk of imprecise fit and leakage.

## Titanium strength

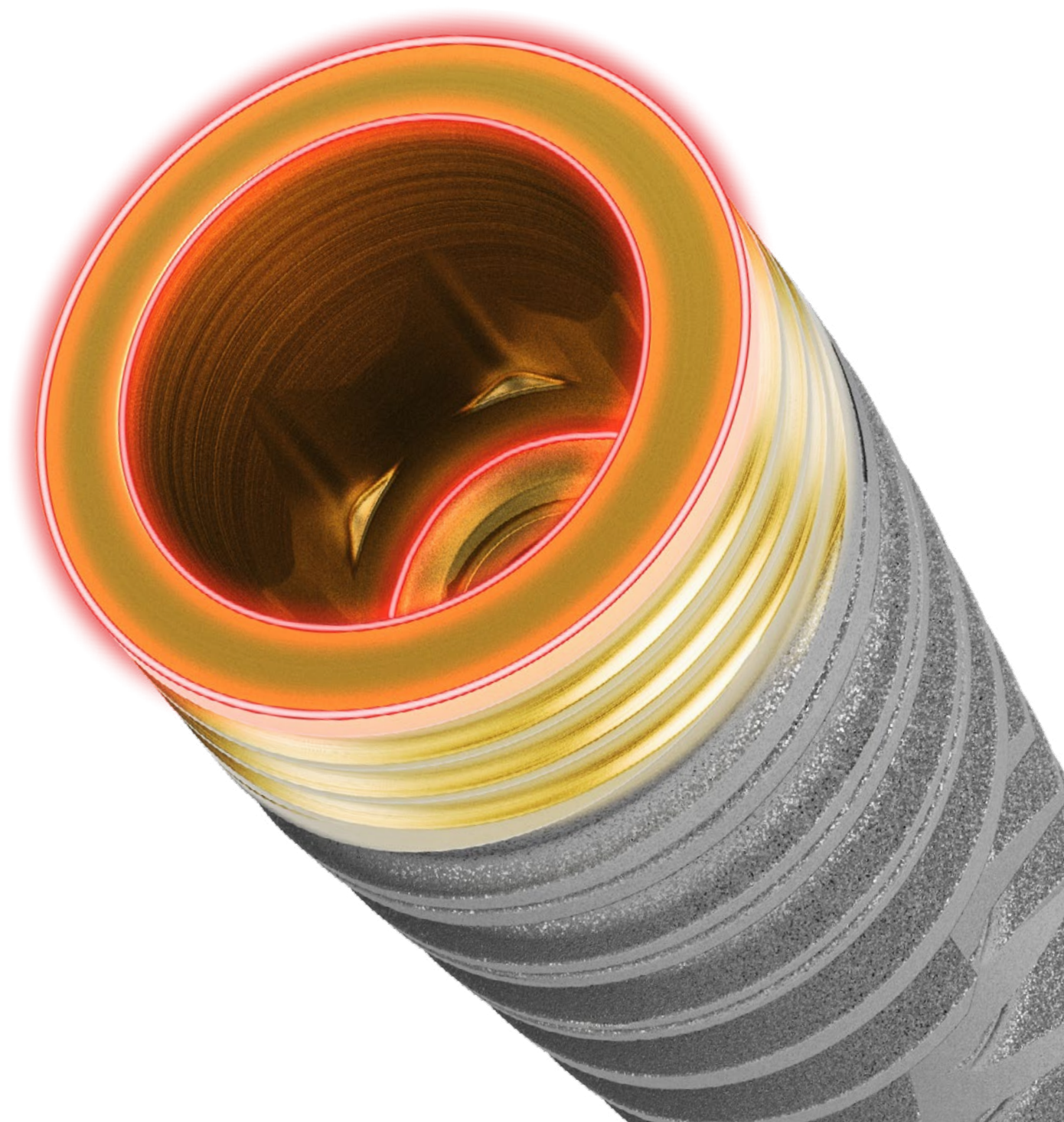
# 983MPa

Nobel Biocare cold-worked pure titanium Grade 4 tensile strength\*



Original components for accurate fit: See leakage test in action

\* Nobel Biocare's specially processed, cold-worked pure titanium Grade 4 achieves an average tensile strength of approximately 983 MPa according to current data.<sup>4</sup>



# Simple

High volume, low complexity —  
Standardize excellence with S series

## ✓ Training made easy

Fewer components,  
faster adoption.\*

## ✓ Workflow made simple

Fewer variables, smoother  
workflows.\*

## ✓ Intraoperative flexibility

Seamlessly switch to another  
implant size intraoperatively.

S series:

**65%**

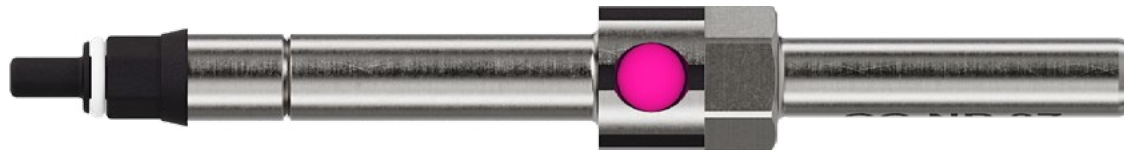
Fewer Multi-unit  
Abutment sizes\*



\* Compared to Nobel Biocare multi-platform implant systems.



**More efficiency,  
less inventory**



**One connection**

One implant driver streamlined across all implant sizes.

**NEW**

**LiteSet™ tray\*\***

Intuitive layout with easily identifiable components designed to reflect the surgical workflow.



\*\* Available for NobelActive® S/  
NobelParallel™ S and for NobelReplace® S.

# NobelActive® S implants

| An implant like no other.

## Things you should know about NobelActive® S implants:

- ✓ Designed for high primary stability, even in soft bone and extraction sockets.
- ✓ Allows for immediate loading protocols from single tooth to full-arch restorations.
- ✓ Adjustable implant positioning during placement. Ideal for experienced clinicians seeking optimal control.

## NobelActive® implants backed by science\*:



**15+**

Years of clinical experience



**22,500+**

Implants placed



**6,300+**

Patients treated



**107**

Clinical studies



\* Up to 12 years of mean follow-up based on market release in 2008.  
All studies with NobelActive® implant body, excluding NobelActive® S implants.

## TiUltra™ surface

Multi-zone ultra-hydrophilic implant surface based on extensive expertise in anodization technology.

## Back-taper

Designed for reducing pressure on the cortical bone.

## Double-lead thread

Fast engagement in the osteotomy.\*

## TiUnite® surface

The original anodized surface.

## Reverse cutting blades

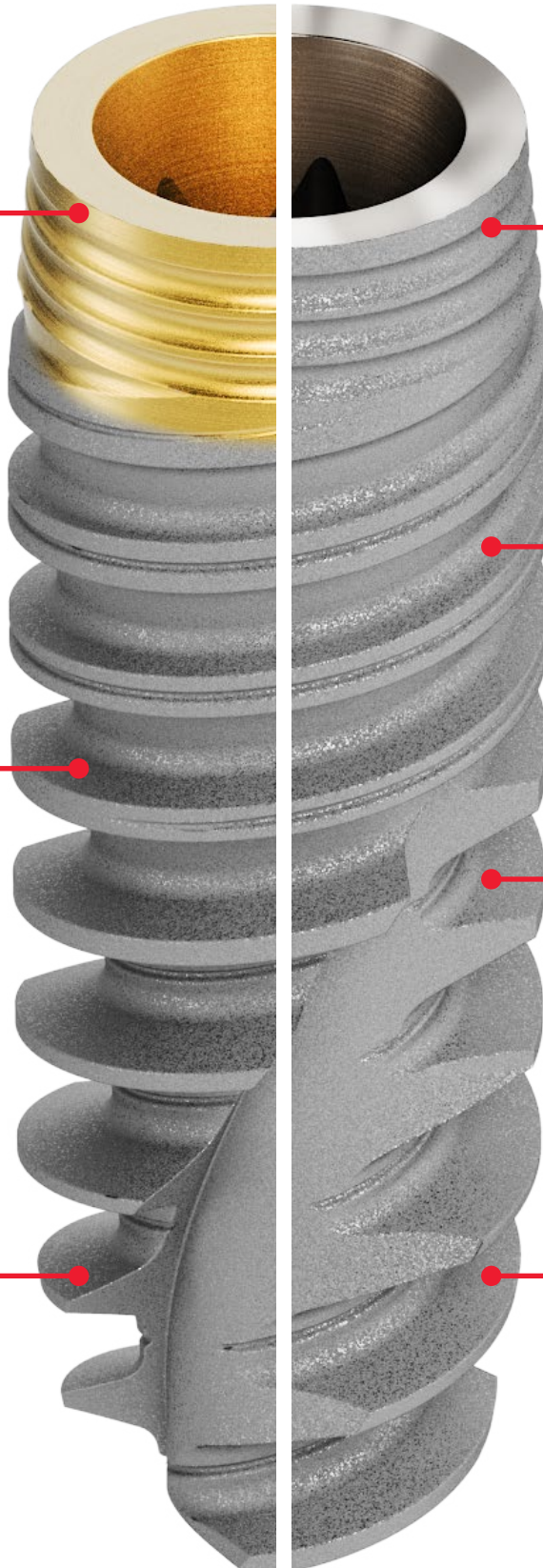
Enable experienced clinicians to adjust the implant's position during placement for optimized restorative alignment.

## Expanding tapered body

Condenses bone gradually during insertion allowing for high primary stability and enabling immediate loading.

## Sharp cutting blades

Allow for under-preparation of the surgical site to help achieve high primary stability in demanding situations such as soft bone or extraction sockets.



\* Compared to single lead thread.

# NobelParallel™ S implants

I Simply straightforward.

## Things you should know about NobelParallel™ S implants:

- ✓ **Clinically proven** design based on decades of experience with parallel-walled implants.
- ✓ **Universal implant** for a wide variety of indications to achieve high primary stability in all situations
- ✓ **Engineered for immediate loading**  
The surgical protocol and the implant design are designed to deliver high primary stability.

## NobelParallel™ implants backed by science\*:



**10+**

Years of clinical experience



**2800+**

Implants placed



**1400+**

Patients treated



**29**

Clinical studies



\* Up to 3.8 years' of mean follow-up based on market release in 2014.  
All studies with NobelParallel™ implant body, excluding NobelParallel™ S implants.

## TiUltra™ surface

Multi-zone ultra-hydrophilic implant surface based on extensive expertise in anodization technology.

## TiUnite® surface

The original anodized surface.

## Threads to the top

Allows for cortical engagement.  
Shallow threads for mechanical strength.

## Parallel body in coronal third

Combined with a high thread density maximizes surface area, supporting enhanced potential for osseointegration\*.

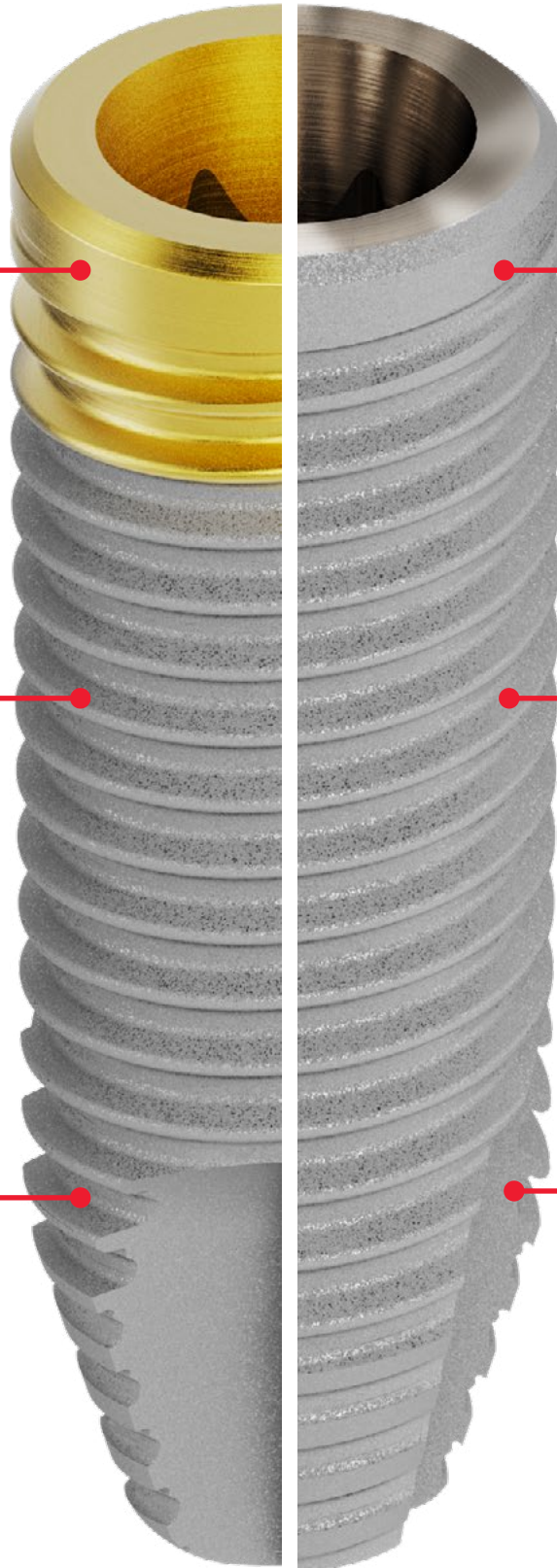
\* compared to tapered implants

## Double lead thread

Fast engagement in the osteotomy.\*

## Tapered self- tapping apex

Allow for under-preparation of the surgical site to improve primary stability in soft bone.



\* Compared to single lead thread.

# NobelReplace® S implants

I Simplicity and stability.

## Things you should know about NobelReplace® S implants:

- ✓ **Straightforward surgical protocol**  
The step-by-step drilling protocol with color-coded components simplifies site preparation.
- ✓ **Versatility**  
The tapered implant body offers a trusted solution to a wide range of indications, and flexibility when critical anatomical structures limit space.
- ✓ **Proven stability, high esthetics**  
The original tapered implant with a conical connection.

## NobelReplace® implant family backed by science\*:



**24+**

Years of clinical experience



**11,900+**

Implants placed



**4,100+**

Patients treated



**130**

Clinical studies



\* Up to 14.7 years of follow-up based on first market release of ReplaceSelect™ Tapered in 2001, other implant lines introduced later. All studies with NobelReplace® implant body, excluding NobelReplace® S implants.

## TiUltra™ surface

Multi-zone ultra-hydrophilic implant surface based on extensive expertise in anodization technology.

## TiUnite® surface

The original anodized surface.

## Tapered body

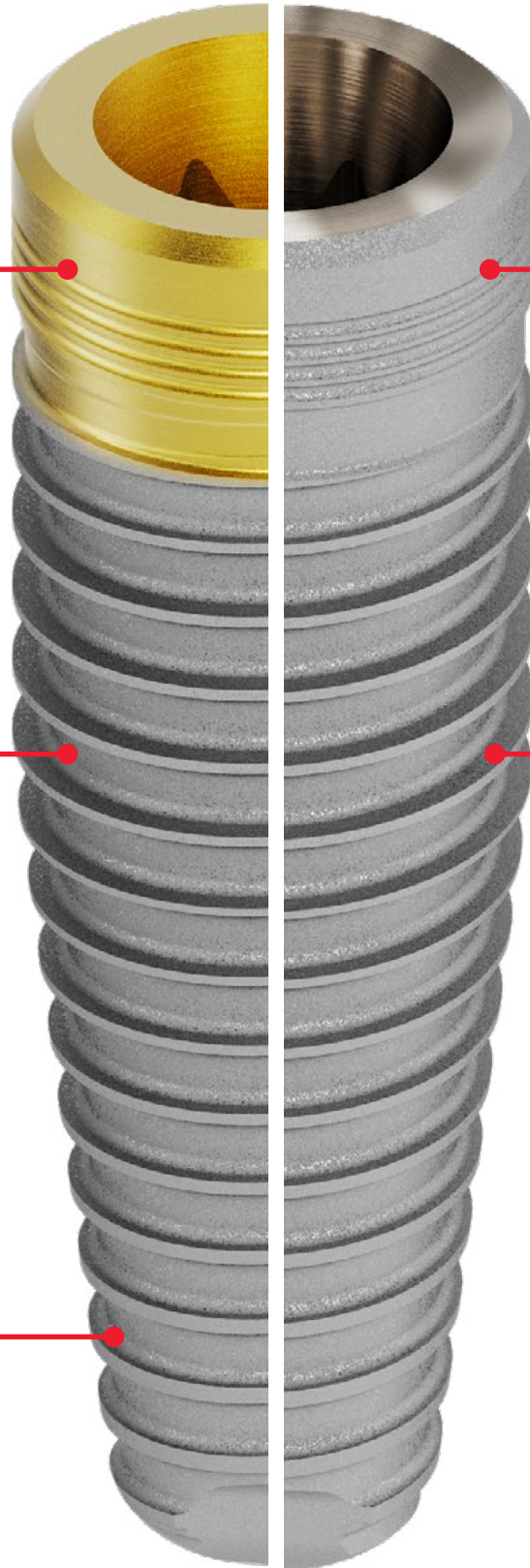
Designed for high primary stability and immediate loading in extraction sockets and healed sites.

## Single lead thread

Precision-driven engagement in the osteotomy.

## Round apex

Designed to help protect delicate anatomical structures like the sinus membrane.



# TiUltra™ surface

Anodized implant surface -  
more than roughness

TiUltra™ surface based on  
scientific evidence and decades  
of anodization experience:

- ✓ To promote osseointegration
- ✓ To optimize marginal bone response
- ✓ To limit risk for peri-implantitis

Key features of TiUnite® and  
TiUltra™ anodized surfaces:

TiUltra ~~TiUnite~~

Ultra-hydrophilic with high surface energy.<sup>5</sup>

TiUltra ~~TiUnite~~

Protective layer to maintain surface chemistry and hydrophilicity during life.<sup>5</sup>

TiUltra ~~TiUnite~~

Non-porous collar designed to reduce bacterial adhesion in the coronal region, nano structured to promote osseointegration.<sup>5</sup>

TiUltra TiUnite

Moderately rough at apex to promote osseointegration.<sup>6</sup>

TiUltra TiUnite

Anatase-rich titanium oxide surface with phosphorus to enhance osseointegration through osteoblast attachment and differentiation.<sup>7,8</sup>



25

Clinical investigations



1,500+

Patients treated



2,900+

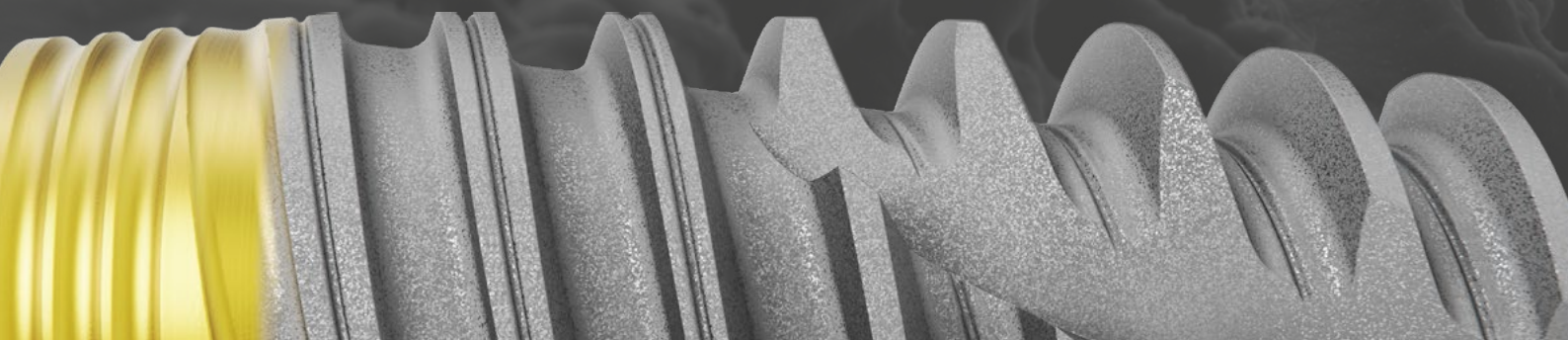
Implants placed



Mean survival rate with up to  
3-years' follow-up.<sup>9</sup>

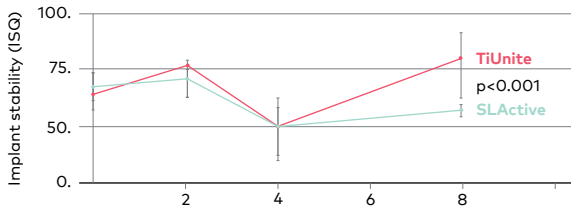


Because you  
deserve real science



## Promotes fast osseointegration

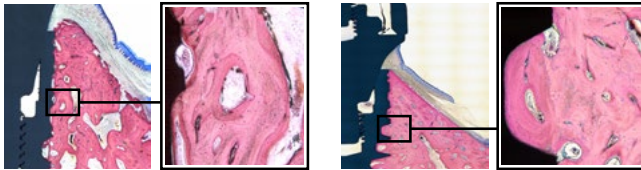
### Evolution of implant stability in a pre-clinical study<sup>10</sup> – TiUnite® surface



Anodization allows rapid recovery from the implant stability (ISQ) dip to minimize micromovement, prevent early implant failure, and enable predictable immediate and early loading.

### Early formation of bone-to-implant contact – TiUltra™ and TiUnite® surfaces.

TiUltra surface achieved early bone-to-implant contact and peri-implant bone healing comparable to TiUnite® surface, with no significant differences at any healing time.<sup>11</sup>

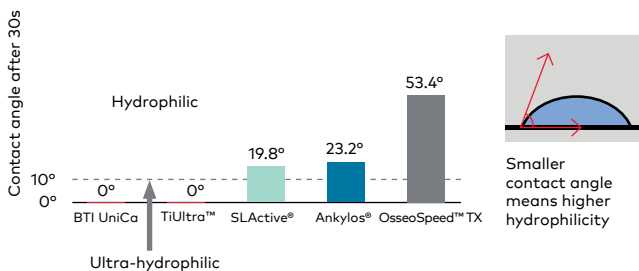


NobelActive TiUltra at 3 weeks after implant insertion

NobelActive TiUltra 13 weeks after implant insertion

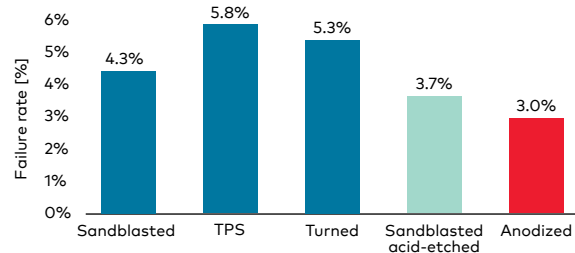
### Ultra-hydrophilic surface – TiUltra™ surface

A recent comparative study shows that the TiUltra surface is ultra-hydrophilic, outperforming several other hydrophilic surfaces currently available on the market.<sup>12</sup>



### Highest survival rate – even with up to 20 years of follow-up – TiUnite® surface

A systematic review by Tomas Albrektsson et al. of 166 clinical studies confirms that Nobel Biocare's anodized implant surface achieves the highest survival rates among all compared surfaces – even in up to 20 years of follow-up.<sup>13,14</sup>

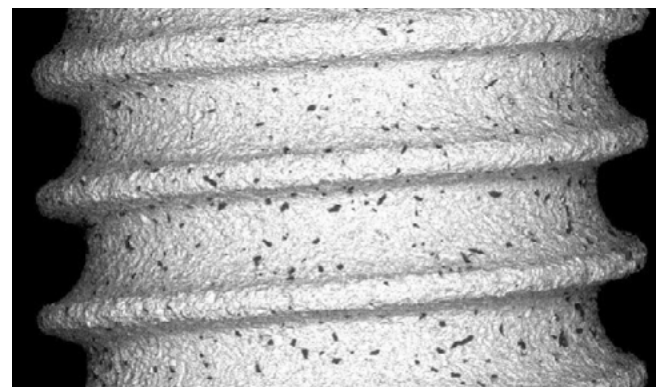


### 1000 patients study: successful support of immediate and early loading – TiUltra™ surface

Clinical evidence from the ongoing multicenter, prospective, non-interventional study with a total of 1000 patients confirms TiUltra implants support immediate and early loading protocols (up to 4 weeks) with high survival rate of 97.5%.

### When it comes to implant success, cleanliness isn't optional – it's essential

Anodized surfaces eliminate the risk of contamination from sand-blasting particles. By contrast, microscope analysis reveals not all sand-blasted implant surfaces are truly clean.<sup>15</sup>



Backscatter-SEM micrographs of the analyzed implant systems. Note the Al<sub>2</sub>O<sub>3</sub> particles (black dots) remaining on the surface following etching. Copyright © 2019 Shupbach et al.

# Harmonized restorative portfolio

Driven by science.  
Designed for harmony.

## 3 essential points to consider:

- ✓ Adhering to the biological width principle to reduce marginal bone loss and improve soft-tissue stability.<sup>18-21</sup>
- ✓ Designing a concave shape with an emergence profile under 30° angle to lower the risk of peri-implantitis and increase patient comfort.<sup>18-21</sup>
- ✓ Utilizing original components exclusively to minimize microgaps, ensure proper fit, and prevent leakage, thereby decreasing marginal bone loss and peri-implantitis risk.<sup>22</sup>



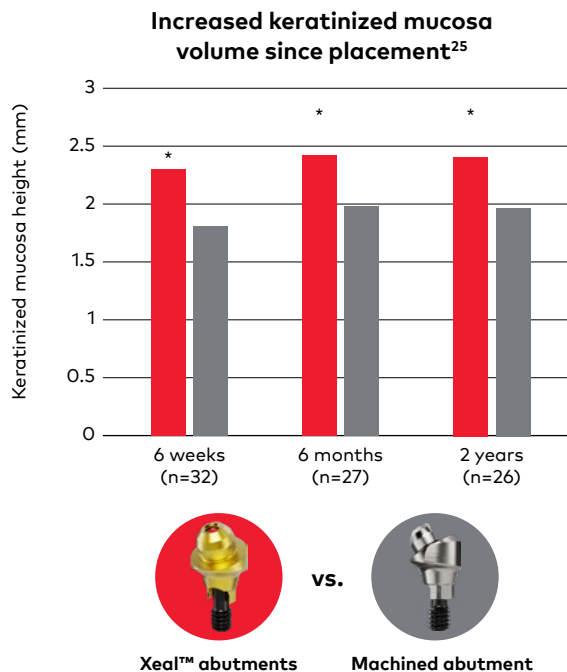
Learn more



## Zeal™ surface is not just anodization!

### It's developed for robust soft tissue seal formation

- Accelerates soft tissue attachment.<sup>26</sup>
- Minimizes bacterial adhesion.<sup>25</sup>
- Boosts keratinized mucosa height.<sup>25</sup>



## Procera™ prosthetic solutions for customized abutment solutions

### Angulated screw channel function (ASC)

Solve the esthetic challenges when screw-retained solutions are placed in the anterior and improve occlusal access in the posterior.

### 100% cement-free solutions

Zirconia implant crown offers a complete cement-free solution to improve soft tissue health and reduce the risk of peri-implantitis associated with excess cement.

### High mechanical strength

The internal conical connection with hexagonal interlocking helps to ensure the necessary stability of the restoration for a predictable result.<sup>16,17,22</sup>

## Procera™ prosthetic solutions for full-arch rehabilitation

### Ensure extensive flexibility

Ideal to design as full contour, cut-back, thimble and framework with or without soft tissue.

### Respect biology

100% cement-free solution. Safe and predictable outcomes that help to avoid the risks associated with residual cement.<sup>23</sup>

### Made for esthetics

Multi-layered zirconia material available in 10 VITA shades.



# S series implants in the All-on-4<sup>®</sup> digital workflow

Leverage the All-on-4<sup>®</sup>  
digital workflow  
to save time and costs\*

Time savings

**40%**

less chair-time

Efficiency

**35%**

less production  
costs per arch

Patient experience

**40%**

fewer patient visits

An ideal combination  
of the new  
restorative portfolio  
and S series,  
featuring up to:

**65%**

fewer Multi-unit  
Abutment sizes\*\*



**1**

**Data  
collection**



DEXIS™ solutions

**2**

**Treatment  
planning**



DTX Studio™ suite

**3**

**Surgical  
execution**



X-Guide® 3D navigation

\* On average compared to conventional All-on-4<sup>®</sup>  
treatment concept based on limited market survey.  
\*\* compared to Nobel Biocare multi-platform implant  
systems



**4**

**Post-surgical  
impression**



Photogrammetry with  
ICam or FastMap®

**5**

**Immediate  
loading**



SprintRay 3D printing

**6**

**Digital records  
and final restoration**



Procera™ customized solutions



Learn more  
about All-on-4®  
digital workflow



Clinical cases

# S series implants in the esthetic digital workflow

Confidently deliver a beautiful smile to  
your patient on the day of their surgery  
with our esthetic digital workflow

Predictability

**97.6%**

implant survival rate\*

Efficiency

**40%**

less chair time\*\*

Patient experience

**25%**

fewer patient visits\*\*

**1**

**Data  
collection**



DEXIS™ solutions

**2**

**Treatment  
planning**



DTX Studio™ suite

**3**

**Surgical  
execution**



X-Guide® 3D navigation

\* Mean survival rate with follow-up of up to 15 years using immediate provisionalization. Data on file.

\*\* Calculated versus previous digital workflow using DTX Studio™ Implant software with TempShell solution, or similar treatment planning solutions.



4

**Post-surgical  
impression**



DEXIS™ intraoral  
scanner solutions

5

**Immediate  
loading**



Midas SprintRay  
3D printing

6

**Digital records  
and final restoration**



Procera™  
customized solutions



Learn more  
about esthetic  
digital workflow



Clinical cases

# Article numbers

## Implants

### NobelActive® S TiUltra™

Platform	Implant Ø	Length*						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NP	3.5 mm	-	302273	302274	302275	302276	302277	302278
	4.3 mm	-	302279	302280	302281	302282	302283	302284
	5.0 mm	-	302285	302286	302287	302288	302289	302290
	5.5 mm	302291	302292	302293	302294	302295	302296	-



\* Please note that actual implant length is 0.5 mm shorter than indicated in name

### NobelParallel® S TiUltra™

Platform	Implant Ø	Length*						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NP	3.75 mm	302297	302298	302299	302300	302301	302302	302303
	4.3 mm	302304	302305	302306	302307	302308	302309	302310
	5.0 mm	302314	302315	302316	302317	302318	302319	302320
	5.5 mm	302321	302322	302323	302324	302325	302326	-



\* Please note that actual implant length is 0.5 mm shorter than indicated in name

### NobelReplace® S TiUltra™

Platform	Implant Ø	Length*				
		8 mm	10 mm	11.5 mm	13 mm	16 mm
NP	3.5 mm	302327	302328	302329	302330	302331
	4.3 mm	302332	302333	302334	302335	302336
	5.0 mm	302337	302338	302339	302340	302341



\* Please note that actual implant length is 0.6 mm longer than indicated in name

### NobelActive® S TiUnite™

Platform	Implant Ø	Length*						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NP	3.5 mm	-	302342	302343	302344	302345	302346	302347
	4.3 mm	-	302348	302349	302350	302351	302352	302353
	5.0 mm	-	302354	302355	302356	302357	302358	302359
	5.5 mm	302360	302361	302362	302363	302364	302365	-



\* Please note that the actual implant length is 0.5 mm shorter than indicated in name

### NobelParallel® S TiUnite™

Platform	Implant Ø	Length*						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NP	3.75 mm	302366	302367	302368	302369	302370	302371	302372
	4.3 mm	302373	302374	302375	302376	302377	302378	302379
	5.0 mm	302383	302384	302385	302386	302387	302388	302389
	5.5 mm	302390	302391	302392	302393	302394	302395	-



\* Please note that the actual implant length is 0.5 mm shorter than indicated in name

### NobelReplace® S TiUnite™

Platform	Implant Ø	Length*				
		8 mm	10 mm	11.5 mm	13 mm	16 mm
NP	3.5 mm	302396	302397	302398	302399	302400
	4.3 mm	302401	302402	302403	302404	302405
	5.0 mm	302406	302407	302408	302409	302410



\* Please note that the actual implant length is 0.6 mm longer than indicated in name

## Cover screws

NP	36649
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## Healing abutments

### Healing abutment

Height		3.0 mm	4.0 mm	5.0 mm	7.0 mm
NP	Ø 4.0 mm	302039	302040	302041	302042
	Ø 5.0 mm	302043	302044	302045	302046



### Healing abutment bridge

Height		3.0 mm	5.0 mm	7.0 mm
NP	Ø 4.0 mm	36864	36865	36866



## Temporary abutments

### Temporary abutment engaging (single-unit)<sup>1</sup>

Height		1.5 mm	2.5 mm	3.5 mm
NP	Ø 4.1 mm	302164	302165	302166



### Temporary abutment non-engaging (bridge)<sup>1</sup>

Height		1.5 mm	2.5 mm	3.5 mm
NP	Ø 4.1 mm	302175	302176	302177



## Scan bodies

### Scan bodies conical connection single

	Position Locator	Spare Screw (5/pkg)	Screwdriver
NP	301932	302265	Unigrip Plus



### Scan bodies conical connection bridge

	Position Locator	Spare Screw (5/pkg)	Screwdriver
NP	302254	302265	Unigrip Plus



### Nobel Biocare links for bridge and multi-unit PoLo

	10 mm	15 mm	20 mm
Multi-unit NP	301947	301948	301949



### Nobel Biocare multi-unit PoLo

	8 mm	11 mm
Multi-unit NP	302485	302486
Replacement Screws (5/pkg)	302489	
Screwdriver	Unigrip Plus	



### Multi-unit Abutment

Multi-unit NP	301950
Screwdriver	Depending on prosthetic screw used <sup>1</sup>



1. If used with zirconia implant bridge the Omnigrip Mini screwdriver should be used.  
If used with any other prosthetics, the Unigrip Plus screwdriver should be used.

## Impression copings

### Closed tray

Height	9.0 mm	13.0 mm
NP	Ø 4.0 mm -	302096
	Ø 5.0 mm -	302097



### Open tray

Height	10.0 mm	14.0 mm
NP	Ø 4.0 mm	302080 302081
	Ø 5.0 mm	302082 302083



### Bridge open tray

Height	12.0 mm
NP	36930



## Prefabricated final abutments

### 17° Multi-unit Abutment Xeal<sup>2</sup>

Height	2.5 mm	3.5 mm
NP	300181	300184



### 30° Multi-unit Abutment Xeal<sup>2</sup>

Height	3.5 mm	4.5 mm
NP	300187	300189



### Multi-unit Abutment Xeal<sup>2</sup>

Height	1.5 mm	2.5 mm	3.5 mm	4.5 mm
NP	300171	300174	300177	-



### Esthetic abutment 15°<sup>1</sup>

Height	1.5 mm	3.0 mm	4.5 mm
NP	36667	36668	36250



\* Esthetic abutment conical connection 3.0 is contraindicated for multiple-unit restorations.

### Esthetic abutment<sup>1</sup>

Height	1.5 mm	3.0 mm	4.5 mm	6.0×7.0 mm	7.0×8.0 mm
NP	36665	36666	36249	-	-



\* Esthetic abutment conical connection 3.0 is contraindicated for multiple-unit restorations.

## Prefabricated final abutments

### Universal Base ASC engaging (single-unit)<sup>1</sup>

Collar height	1.0 mm	1.5 mm	2.5 mm	3.5 mm
NP	Ø 4.1 mm	302190	302191	302192 302193



### Universal Base ASC non-engaging (bridge)<sup>1</sup>

Collar height	1.0 mm	1.5 mm	2.5 mm	3.5 mm
NP	Ø 4.1 mm	302207	302208	302209 302210



### Titanium blanks<sup>1</sup>

Diameter	Ø 10 mm	Ø 14 mm
NP	TRM60.041	TRM64.041



### Universal Base Multi-unit Abutment ASC<sup>3</sup>

Diameter	Ø 5 mm
	302223



1 Clinical screw included.

2 Clinical screw and pre-mounted holder included.

3 Prosthetic screw included.

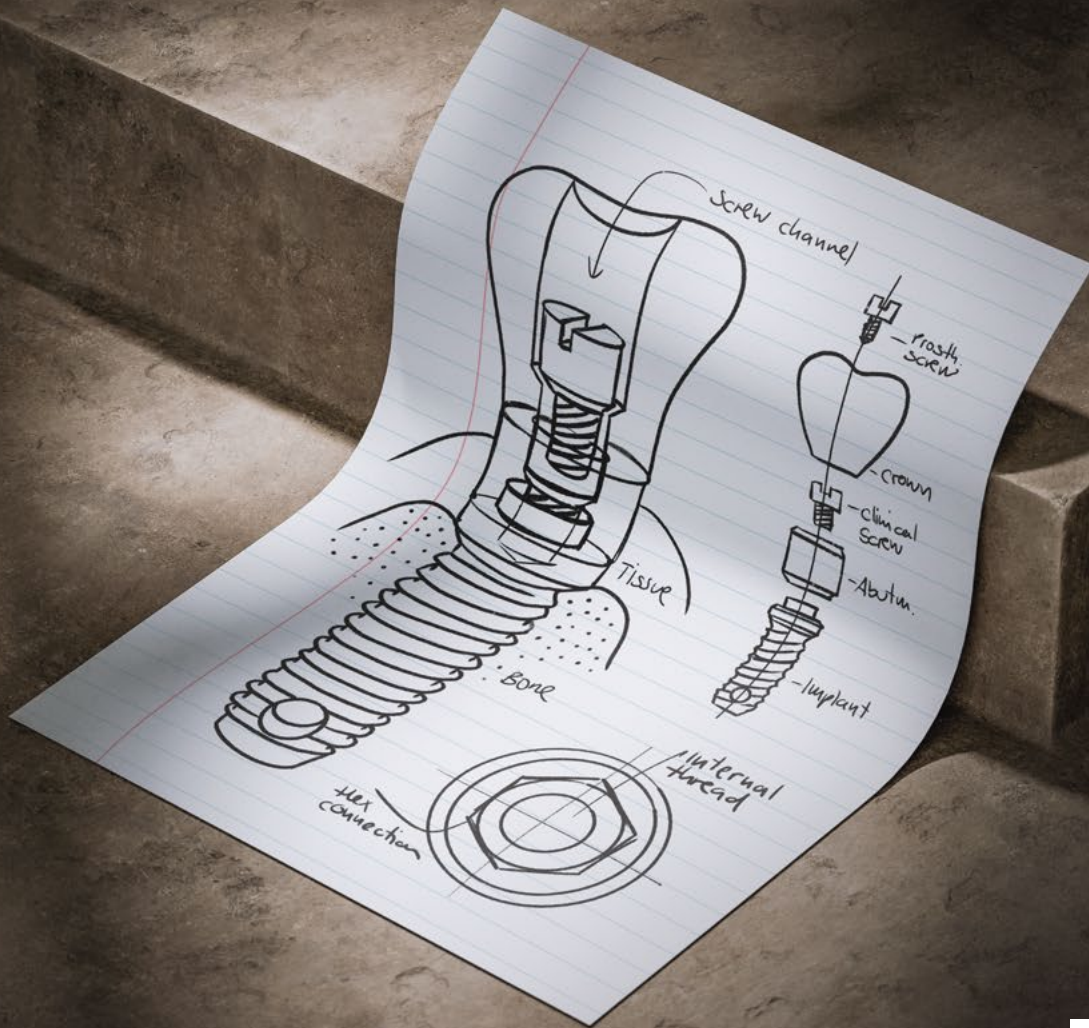
For more information on the restorative procedures, refer to the Restorative Workflow Guide available at [nobelbiocare.com](http://nobelbiocare.com)

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