Product catalog 2015/16

19 First
65 for
50
years

Nobel Biocare®

Authorized distributor

Contents

Nobel Biocare – empowering you to treat more patients better

We focus all our knowledge and expertise on supporting you with our joint goal: treating as many patients as possible in the best possible way. Everything that we do aims at empower you to treat more patients better. How do we ensure this? By concentrating on three key pillars.

Learning for Life

Our comprehensive training programs cover every step of the treatment workflow and every stage of your professional development. Hands-on sessions play a key role in our training courses. We believe in peer-to-peer training through expert professionals – worldwide.

Partnering for Life

We help you develop your practice or laboratory. Together we can increase your patient flow through initiatives that provide efficient workflows, more referrals and better collaboration with treatment partners. And we can also show you how to use networking platforms and study clubs to your advantage.

Designing for Life

We're continuously creating meaningful products and solutions, and improving existing ones, so that you can give your patients fully functional and natural-looking results. Many of our innovations have become the industry standard. And we continue to invest in research and development. Our goal: Empower dental professionals like you to give your patients their quality of life back.

The broadest product portfolio for all your needs and preferences

Nobel Biocare offers around 3000 products, all designed to help you treat more patients better. Are that many really necessary? Do we need 17 different implant designs, each of them available in various diameters and lengths? We think so. In fact, we're going to offer even more.

For every indication, treatment protocol and patient need

Get all the dental solutions and treatment concepts you need from a single source. Whether your patients are missing a single tooth in the posterior, demand a highly esthetic anterior restoration, or need a full-arch restoration in order to speak and eat properly again, we have the products you need to treat them. However, what is state of the art today is not necessarily a leading solution tomorrow. That's why we at Nobel Biocare believe strongly in innovation. We will continue to bring you new products and solutions that meet the latest and highest standards of patient care. We currently invest about 11% of our sales in research and development, representing the highest level of investment among major companies in our industry.

From root to tooth

Nobel Biocare offers implants for all indications and preferences – with straight and tapered designs, with machined and textured collars, and with three different connections. We have both prefabricated temporary and final abutments, as well as individualized CAD/CAM prosthetics. From final abutments and screw-retained crowns to fixed and fixed-removable multiple-unit and full-arch restorations, we've got everything you need for optimized function and esthetics. And don't forget: After decades of empowering you to treat more patients better, we also have the complete range of instruments and tools to help you carry out all treatment steps safely and efficiently.

Single-tooth restoration with NobelActive and cement-retained NobelProcera Crown.

Multiple-unit restoration with NobelReplace Tapered and screw-retained NobelProcera Implant Bridge.

Full-arch restoration with the All-on-4® treatment concept.

The right implant for every indication and preference

Superior biomaterials

The release of our creos xenoprotect membrane in 2014 marked the launch of Nobel Biocare's new range of products for guided bone and tissue regeneration. Research shows that creos xenoprotect has slower biodegradation and increased vascularization in an animal model than the market leader.* In addition, creos xenoprotect shows minimal size increase when hydrated,** and its higher tensile strength provides outstanding handling properties in terms of resistance to tearing when stretched or sutured. For the North American market, we also offer the full range of allografts.

Unique treatment planning software

Discover a truly visual way to achieve optimized treatment results. The unique SmartFusion technology of our NobelClinician Software combines hard and soft tissue information from your (CB)CT scanner and the NobelProcera 2G System, visualizing everything you need to see for optimized treatment planning. In addition, NobelClinician was the first treatment planning software available for both Mac® and Windows®.

Efficient integrated treatment workflow

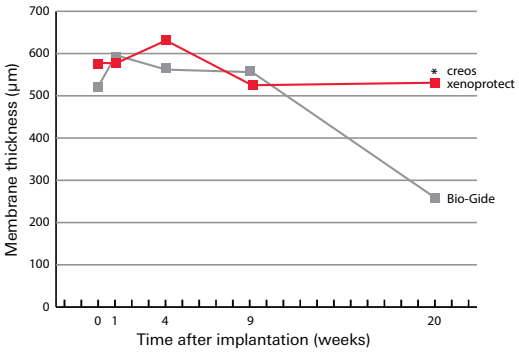
The digitization of dentistry, including the seamless interaction between all partners of the treatment team, is advancing rapidly. And Nobel Biocare has probably come further than anyone else. The integrated treatment workflow connects the treatment planning software NobelClinician, the NobelProcera 2G System, NobelGuide and the iPad® operated drill-unit OsseoCare Pro, providing you with a seamless process from diagnosis to restoration.

We'll be there, no matter what

Our aspiration is to design and produce products that last a lifetime. However, if you need to revise a solution that was phased out years ago, you and your patients can rely on our global presence and our extensive replacement parts offering. And, if you face indications that cannot be treated with standard products, our Special Request Service offers custom-made devices that are tailored to fit a unique and one-time patient need.

** Bozkurt A, Apel C, Sellhaus B, van Neerven S, Wessing B, Hilgers R-D, Pallua N. Differences in degradation behavior of two noncross-linked collagen barrier membranes: an in vitro and in vivo study. Clin. Oral Impl. Res. 2013 [epub ahead of print]*
*** Arrighi I, Wessing B, Rieben A, De Haller E. Resorbable Collagen Membranes Expansion In Vitro. J. Dent. Res 93 (Spec Iss B):#631,2014*

Slower biodegradation with creos xenoprotect



Between weeks 9 and 20, the thickness of creos xenoprotect decreases only slightly, whereas Bio-Gide® shows a thickness loss of around 50% (graph adapted from Bozkurt et al. 2013).
** P=0.0002*

Digital diagnostics and treatment planning both for Mac® and Windows® with NobelClinician Software.

On all Nobel Biocare implants including prefabricated prosthetic components. For further information visit nobelbiocare.com/warranty

Tried and tested solutions you can trust

Nobel Biocare is committed to the highest standard of scientific evidence in the spirit of our pioneers. Our products are proven both in mechanical testing and clinical studies.

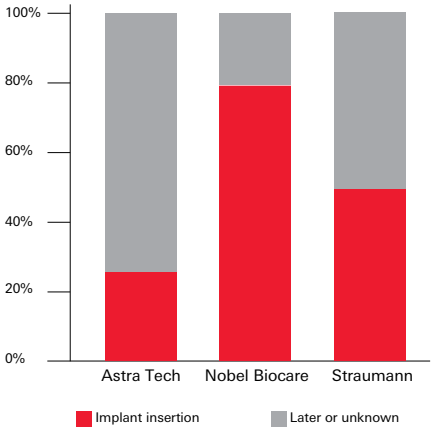
Scientific leadership since the very beginning

Our products have proven themselves in everyday clinical practice since Per-Ingvar Br nemark placed the first implant in 1965. Gösta Larsson was the first patient in a clinical study that eventually included 211 patients, 235 jaws and 1618 titanium implants. At that time, implant treatment was neither well known nor accepted. It required scientific evidence to convince the medical community that implant treatments were safe, reliable and enduring. P.I. Br nemark published this evidence in 1977 in his book called "Osseointegrated implants in the treatment of the edentulous jaw. Experience from a 10-year period". Today, implant-based oral rehabilitation sets the standard of care, and Nobel Biocare products are among the most documented in the world. There are more than 4400 independent scientific publications with data on our solutions. Our Br nemark System implant has been in clinical use for over 45 years. And our moderately rough implant surface TiUnite has been documented in over 275 publications on clinical studies, with more than 13,000 patients, 42,000 implants and up to 12 years' follow-up.

High reporting standards

Studies on Nobel Biocare products follow very high reporting standards. Unlike many other implant providers, we set the radiographic baseline at implant insertion rather than at prosthetic delivery a few weeks or months later. This means that we report total marginal bone level change without omitting the pronounced initial bone response to implant surgery.

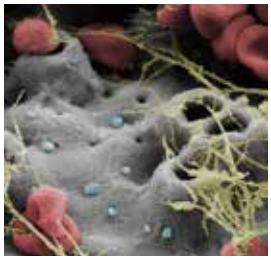
High reporting standards: Nobel Biocare does not omit the initial bone remodeling phase



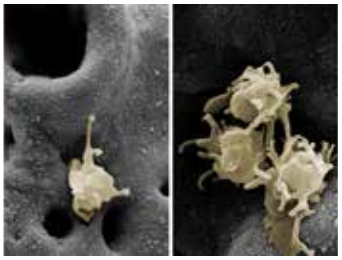
Bar graph shows the frequency of the various radiographic baselines utilized. Only by setting the baseline at implant insertion can the study report the full marginal bone level change.*

** Rieben AS, Jannu A, Alifanz J, Noro A, Sahlin H. Comparison of Various Study Protocols - A Literature Review [#47], in 25th Anniversary Meeting of the Academy of Osseointegration, March 4–6, 2010, Orlando, FL, USA*

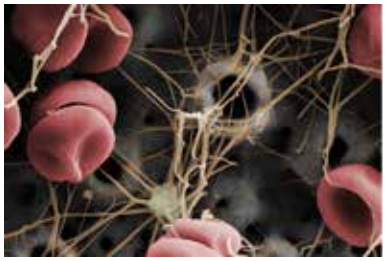
The fast osseointegration of TiUnite is a key factor in enabling Immediate Function protocols



Immediate platelet attraction by the TiUnite surface.



Platelet activation and formation of pseudopodia.



Hemostasis by the newly formed fibrin matrix.

Blood clots adhere to the moderately rough TiUnite surface.

Not all implants are the same

The notion that dental implants are a "mature" treatment, and that scientific evidence is therefore less relevant, is emerging from a number of implant providers. Although dental implants may look similar, their performance is not the same. One dental practice had to learn this the hard way. When they switched from implants with TiUnite surface to implants with a chemically altered surface, their quality control study revealed a doubling of their implant failure rate, even after excluding the first 100 implants due to the learning curve. This triggered an immediate switch back to TiUnite implants, which saw failure rates return to normal levels.*

Careful material selection and thorough testing

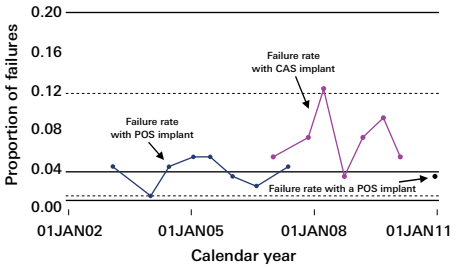
We choose all materials, whether they're metals, ceramics or plastics, very carefully. Everything has to meet the highest standards including biocompatibility, strength and longevity. The commercially pure titanium used for our implants, for example, is much stronger than regular c.p. titanium. We increase its strength significantly through our proprietary cold-working process. All our products undergo thorough testing according to ISO standards, helping to ensure that they withstand the test of time.

Produced according to ISO standards

Your patients want only the very best products to go into their mouths. All Nobel Biocare products including our NobelProcera individualized prosthetic restorations are developed and produced according to the Medical Devices Quality Management ISO 13485. Our processes are regularly audited by the notified body BSI and inspected by competent authorities such as the US Food and Drug Administration (FDA).

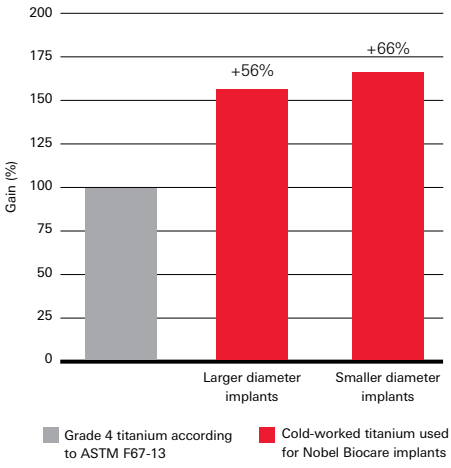
** Hujoel P, Becker W, Becker B. Monitoring failure rates of commercial implant brands; substantial equivalence in question? Clin Oral Implants Res. 2013 ;24(7):725-9*

Comparative study reveals superiority of TiUnite

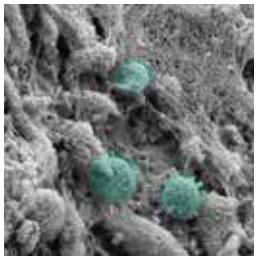


Significantly higher failure rate with implants with a chemically altered surface (CAS) than with TiUnite implants (POS – porous oxidized surface).*

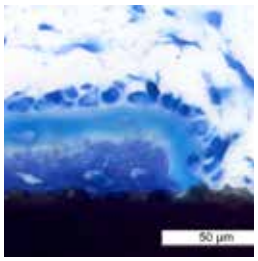
Nobel Biocare's titanium is much stronger than regular c.p. titanium



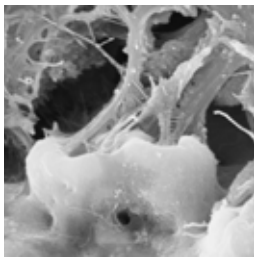
Nobel Biocare's proprietary, cold-working process produces c.p. titanium with significant gains in tensile strength.



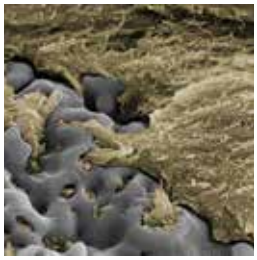
Formation of provisional extracellular matrix.



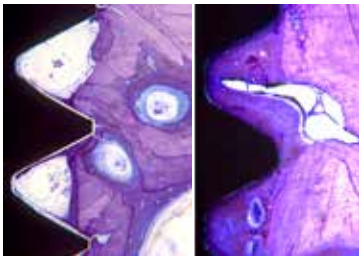
Contact osteogenesis directly on and along the TiUnite surface.



Bone anchorage in the TiUnite pores.



Osteoconductive bone formation.



Osseointegration after 4 weeks and 6 months.

The whole is greater than the sum of its parts

At Nobel Biocare, we don't develop individual products, but entire solutions that provide fully functional, natural-looking results that aspire to last a lifetime.
All components complement each other in a precisely harmonized system to meet the requirements of long-term clinical performance and cost efficiency for both clinician and dental laboratory.

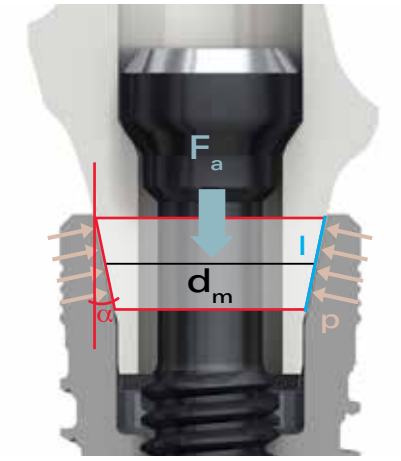
Designed and tested as complete systems

A key aspect of performance assessment is that a system is only as strong as its weakest link, and that the performance of any component depends not only on the component itself, but also on its interactions within the system. As a result, the appropriate test of any component is within the system it is part of. For this reason Nobel Biocare conducts research and testing not only on individual components such as implants, abutments and screws, but always on the entire system too. Only with this approach can we ensure that our solutions function safely and reliably for many years.

The importance of a perfect fit

All our restorations, be they on Nobel Biocare or other implant systems, are designed for a precise fit between abutment and implant. Selecting an abutment with a precise fit is decisive for system performance, as this ensures that occlusal forces are distributed evenly and that uncontrolled peak stresses are avoided. Any mismatch can lead to extreme load and stress conditions that may cause individual components or the entire system to fail.

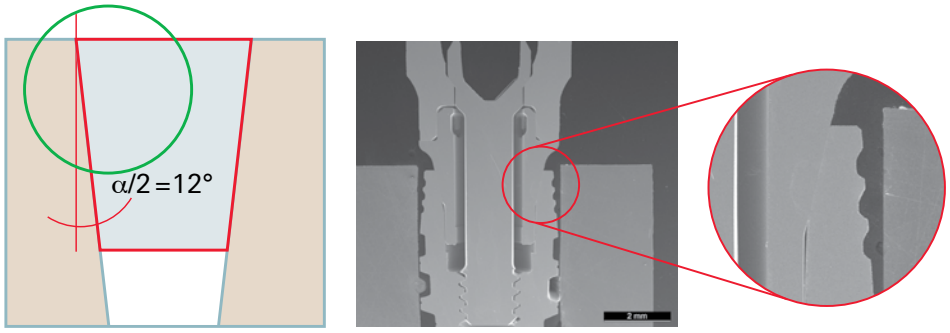
Precise fit ensures long-term performance



$$p = \frac{F_a * \cos(\rho) * \cos(\frac{\alpha}{2})}{d_m * \pi * l * \sin(\rho + \frac{\alpha}{2})}$$

Joint compression (p) depends on a number of variables such as preload (tensile force F_a), friction angle (α) and contact length (l). Small changes in any of these parameters can lead to extreme load and stress conditions, which can cause implants to fracture.

Precisely harmonized system with an even distribution of forces – NobelProcera Abutment on NobelActive implant with conical connection



Perfect fit between abutment and implant collar. Forces are evenly distributed and uncontrolled peak stresses are avoided.

Optimized to the last detail – why the clinical screw matters

Nobel Biocare abutments are delivered with a dedicated clinical screw that has been optimized for the implant-abutment system that it's part of. Depending on the abutment, connection type and platform size, screws come with or without a surface coating. The absence or presence of the coating and the coating type all impact the preload (the tensile force created when tightening the screw). At Nobel Biocare the selection of the appropriate screw type is individual for each and every implant-abutment system, ensuring a tight and stable fit for long-term performance.

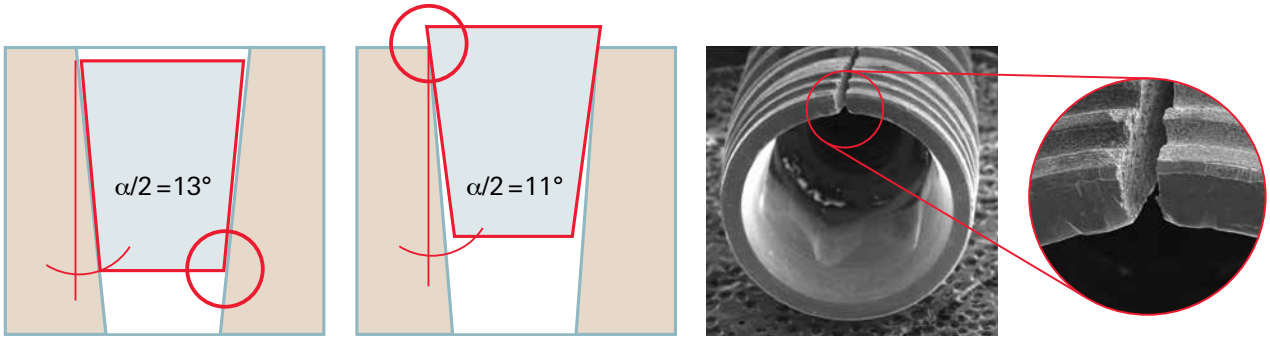
Clinical screw with unique diamond-like carbon coating (TorqTite). Depending on the abutment, connection type and platform size, screws are with or without coating, ensuring a tight and stable fit between abutment and implant.

Substitutes can put patients at risk

The use of substitute components means that the parameters governing system performance are no longer controlled. In the example of maximum joint compression, which defines the load that the implant collar can bear, a substitute may result in a force that is higher than the allowed maximum, causing the implant to fracture. To avoid this, the peak forces have to be distributed in a controlled way. This can only be achieved by using high-quality and precision-manufactured components that have been designed for, and tested with, the system they are a part of.*

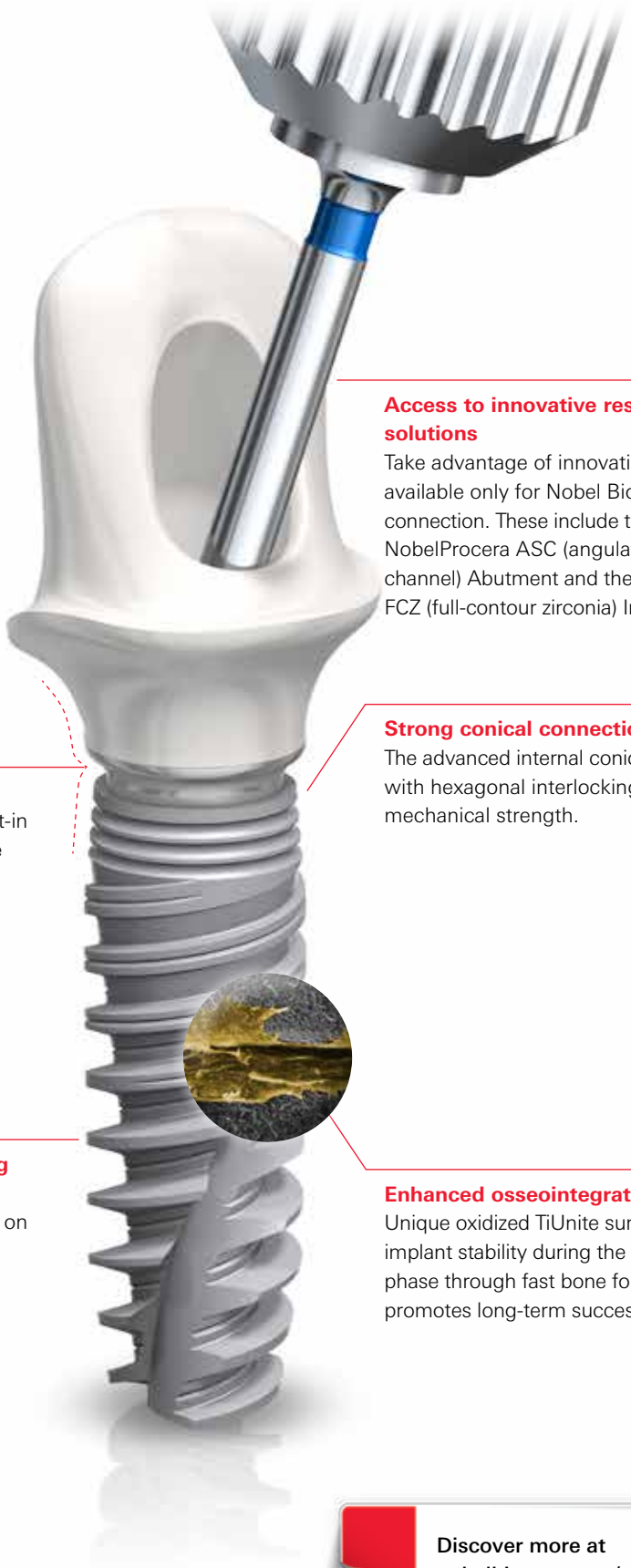
** Saliba FM, Cardoso M, Torres MF, Teixeira AC, Lourenço EJ, Telles Dde M. A rationale method for evaluating unscrewing torque values of prosthetic screws in dental implants. J Appl Oral Sci 2011;19(1):63-7*

Mismatching components result in uncontrolled forces, which can cause individual components or the entire system to fail



Mismatching components can lead to uncontrolled peak forces, which can cause implants to fracture.

NobelActive® – overview and drilling protocols



High primary stability even in demanding situations
NobelActive's expanding tapered implant body condenses bone gradually while the apex with drilling blades enables a smaller osteotomy. These features help to achieve high primary stability in demanding situations, such as soft bone or extraction sockets. NobelActive enables immediate implant placement and Immediate Function where it might otherwise be challenging.

Natural-looking esthetics
The back-tapered coronal design and built-in platform shifting are designed to optimize bone and soft tissue volume.

Adjustment of implant position during placement
Reverse-cutting flutes with drilling blades on the apex enable experienced clinicians to adjust the implant position during placement for an optimized restorative orientation, particularly in extraction sites.

Access to innovative restorative solutions
Take advantage of innovative solutions available only for Nobel Biocare's conical connection. These include the cement-free NobelProcera ASC (angulated screw channel) Abutment and the NobelProcera FCZ (full-contour zirconia) Implant Crown.

Strong conical connection
The advanced internal conical connection with hexagonal interlocking offers high mechanical strength.

Enhanced osseointegration
Unique oxidized TiUnite surface maintains implant stability during the critical healing phase through fast bone formation and promotes long-term success.

Life TIME WARRANTY
Nobel Biocare®

Discover more at nobelbiocare.com/nobelactive

Drilling protocols according to bone quality*

Recommended to ensure optimized primary implant stability when applying Immediate Function.

Platform	Ø Implant	Soft bone Type IV	Medium bone Type II-III	Dense bone Type I
3.0	3.0 mm	1.5	2.0	2.0 2.4/2.8
NP	3.5 mm	2.0 (2.4/2.8)	2.0 2.4/2.8 (2.8/3.2)	2.0 2.4/2.8 2.8/3.2
RP	4.3 mm	2.0 2.4/2.8 (2.8/3.2)	2.0 2.4/2.8 3.2/3.6	2.0 2.4/2.8 3.2/3.6 (3.8/4.2)
RP	5.0 mm	2.0 2.4/2.8 3.2/3.6	2.0 2.4/2.8 3.2/3.6 3.8/4.2	2.0 2.4/2.8 3.2/3.6 3.8/4.2 (4.2/4.6)
WP	5.5 mm	2.0 2.4/2.8 3.2/3.6 (3.8/4.2)	2.0 2.4/2.8 3.2/3.6 3.8/4.2 4.2/4.6 (4.2/5.0)	2.0 2.4/2.8 3.2/3.6 3.8/4.2 4.2/5.0 Screw Tap

All data in mm. Drills within brackets (- -) denote widening of the cortex only.

Screw taps are also available and should be used if the standard dense bone protocol is not sufficient to fully seat the implant without exceeding the recommended maximum insertion torque.

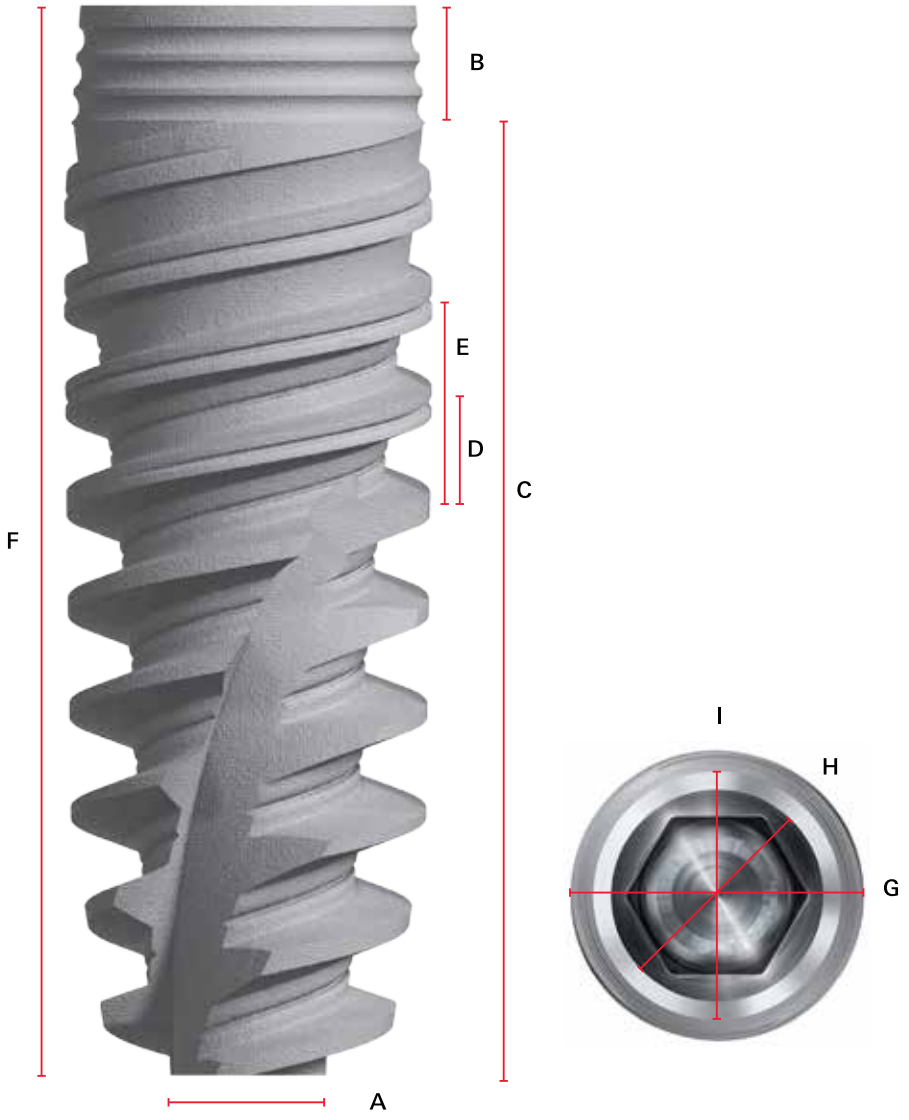
NobelActive®

Platform	Ø Implant	Length						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
3.0 **	3.0 mm	–	–	36769	36770	36771	36772	–
NP ***	3.5 mm	–	35221	34125	34126	34127	34128	35215
RP	4.3 mm	–	35223	34131	34132	34133	34134	35219
RP	5.0 mm	–	35225	34137	34138	34139	34140	35220
WP ****	5.5 mm	37806	37807	37808	37809	37810	37811	–

** Please consult the instructions for use when determining drilling protocol.*
*** NobelActive 3.0 is only indicated for the replacement of single-unit maxillary lateral incisors and single-unit mandibular lateral and central incisors. Multiple-unit restorations are neither indicated nor accommodated by restorative components.*
**** NobelActive NP is not recommended to be used in the posterior region.*
***** Cover screw included.*

NobelActive® – implant specifications

NobelActive®



		A	B	C	D	E	F	G	H	I
Platform		**Tip diameter**	**Collar height**	**Thread height**	**Thread spacing**	**Thread pitch**	**Total length**	**Major diameter**	**Abutment interface**	**Bridge interface**
					double-lead thread*					
3.0	3.0×10 mm	1.95	0.8	8.7	1.0	2.0	9.5	3.0	2.5	–
	3.0×11.5 mm	1.95	0.8	10.2	1.0	2.0	11.0	3.0	2.5	–
	3.0×13 mm	1.95	0.8	11.7	1.0	2.0	12.5	3.0	2.5	–
	3.0×15 mm	1.95	0.8	13.7	1.0	2.0	14.5	3.0	2.5	–
NP 3.5	3.5×8.5 mm	2.6	1.0	7.0	1.2	2.4	8.0	3.5	3.0	3.5
	3.5×10 mm	2.6	1.0	8.5	1.2	2.4	9.5	3.5	3.0	3.5
	3.5×11.5 mm	2.6	1.0	10.0	1.2	2.4	11.0	3.5	3.0	3.5
	3.5×13 mm	2.6	1.0	11.5	1.2	2.4	12.5	3.5	3.0	3.5
	3.5×15 mm	2.6	1.0	13.5	1.2	2.4	14.5	3.5	3.0	3.5
	3.5×18 mm	2.6	1.0	16.5	1.2	2.4	17.5	3.5	3.0	3.5
RP 4.3	4.3×8.5 mm	3.2	1.0	7.0	1.2	2.4	8.0	4.3	3.4	3.9
	4.3×10 mm	3.2	1.0	8.5	1.2	2.4	9.5	4.3	3.4	3.9
	4.3×11.5 mm	3.2	1.0	10.0	1.2	2.4	11.0	4.3	3.4	3.9
	4.3×13 mm	3.2	1.0	11.5	1.2	2.4	12.5	4.3	3.4	3.9
	4.3×15 mm	3.2	1.0	13.5	1.2	2.4	14.5	4.3	3.4	3.9
	4.3×18 mm	3.2	1.0	16.5	1.2	2.4	17.5	4.3	3.4	3.9
RP 5.0	5.0×8.5 mm	3.6	1.0	7.0	1.2	2.4	8.0	4.9	3.4	3.9
	5.0×10 mm	3.6	1.0	8.5	1.2	2.4	9.5	4.9	3.4	3.9
	5.0×11.5 mm	3.6	1.0	10.0	1.2	2.4	11.0	4.9	3.4	3.9
	5.0×13 mm	3.6	1.0	11.5	1.2	2.4	12.5	4.9	3.4	3.9
	5.0×15 mm	3.6	1.0	13.5	1.2	2.4	14.5	4.9	3.4	3.9
	5.0×18 mm	3.6	1.0	16.5	1.2	2.4	17.5	4.9	3.4	3.9
WP 5.5	5.5×7 mm	4.0	1.0	5.5	1.2	2.4	6.5	5.5	4.4	5.1
	5.5×8.5 mm	4.0	1.0	7.0	1.2	2.4	8.0	5.5	4.4	5.1
	5.5×10 mm	4.0	1.0	8.5	1.2	2.4	9.5	5.5	4.4	5.1
	5.5×11.5 mm	4.0	1.0	10.0	1.2	2.4	11.0	5.5	4.4	5.1
	5.5×13 mm	4.0	1.0	11.5	1.2	2.4	12.5	5.5	4.4	5.1
	5.5×15 mm	4.0	1.0	13.5	1.2	2.4	14.5	5.5	4.4	5.1

All measurements in mm. Sectional measurements do not necessarily add up to total length.
** The implants move twice the thread spacing with each rotation.*

NobelActive® – flowcharts

STERILE R

Implants

NobelActive® 3.0

Length mm	10	11.5	13	15
∅ 3.0 mm	36769	36770	36771	36772

Cover screw not included
Platform 3.0 mm
Abutment interface 2.5 mm

NobelActive® NP

Length mm	8.5	10	11.5	13	15	18
∅ 3.5 mm	35221	34125	34126	34127	34128	35215

Cover screw not included
Platform 3.5 mm
Abutment interface 3.0 mm

STERILE R

Drills

Precision Drill	36118

Twist Drills

∅ 1.5, 7–15 mm	31278
∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 2.8/3.2, 7–15 mm	34638
∅ 2.8/3.2, 10–18 mm	34639

Drill Stops

∅ 2 mm	33063
∅ 2.8 mm	33064

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.2 mm	33077

STERILE R

Screw Taps

3.0	36816

Implant Drivers

3.0 28 mm	36773
3.0 37 mm	36774

STERILE R

Healing Abutments
Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.2 mm	36794	36795	36796
∅ 3.8 mm	36797	36798	36799

Cover Screw	36775

NP	36236

NP 28 mm	36718
NP 37 mm	36719

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36639	36640	36867
∅ 5.0 mm	36641	36642	36868

Healing Abutments Bridge*

Height mm	3	5	7
∅ 4.0 mm	36864	36865	36866

Cover Screw	36649

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

RP

STERILE R

Implants

NobelActive® RP

Length mm	8.5	10	11.5	13	15	18
∅ 4.3 mm	35223	34131	34132	34133	34134	35219

Cover screw not included
Platform 3.9 mm
Abutment interface 3.4 mm

STERILE R

Drills

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10 –18 mm	32262
∅ 2.8/3.2, 7–15 mm	34638
∅ 2.8/3.2, 10 –18 mm	34639
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265
∅ 3.8/4.2, 7–15 mm	32276
∅ 3.8/4.2, 10–18 mm	32277

NON STERILE

Drill Stops

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.2 mm	33077
∅ 3.6 mm	33084
∅ 4.2 mm	33081

NobelActive® RP

Length mm	8.5	10	11.5	13	15	18
∅ 5.0 mm	35225	34137	34138	34139	34140	35220

Cover screw not included
Platform 3.9 mm
Abutment interface 3.4 mm

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265
∅ 3.8/4.2, 7–15 mm	32276
∅ 3.8/4.2, 10–18 mm	32277
∅ 4.2/4.6, 7–15 mm	34582
∅ 4.2/4.6, 10–18 mm	34583

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.6 mm	33084
∅ 4.2 mm	33081

Screw Taps

RP 4.3	36237

RP 5.0	36238

Implant Drivers

RP 28 mm	36720
RP 37 mm	36721

Healing Abutments Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36643	36644	36872
∅ 5.0 mm	36645	36646	36873
∅ 6.0 mm	36647	36648	36874

Healing Abutments Bridge*

Height mm	3	5	7
∅ 5.0 mm	36869	36870	36871

Cover Screw	36650

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

WP

STERILE R

Implants

NobelActive® WP

Length mm	7	8.5	10	11.5	13	15
∅ 5.5 mm	37806	37807	37808	37809	37810	37811

Cover screw included
Platform 5.1 mm
Abutment interface 4.4 mm

STERILE R

Drills

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 2.8/3.2, 7–10 mm	37873
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265
∅ 3.8/4.2, 7–15 mm	32276
∅ 3.8/4.2, 10–18 mm	32277
∅ 4.2/4.6, 7–10 mm	37874
∅ 4.2/4.6, 7–15 mm	34582
∅ 4.2/4.6, 10–18 mm	34583
∅ 4.2/5.0, 7–10 mm	37875
∅ 4.2/5.0, 7–15 mm	37876

NON STERILE

Drill Stops

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.6 mm	33084
∅ 4.2 mm	33081

STERILE R

Screw Taps

WP 5.5, 7–10 mm	37871
WP 5.5, 11.5–15 mm	37872

NON STERILE

Implant Drivers

WP 28 mm	37859
WP 37 mm	37860

STERILE R

Healing Abutments Cover Screws

Healing Abutments

Height mm	3	5
∅ 5.0 mm	37813	37814
∅ 6.5 mm	37815	37816

Healing Abutments Anatomical PEEK

WP 6×7 mm	37819
WP 7×8 mm	37820

Healing Abutments Bridge*

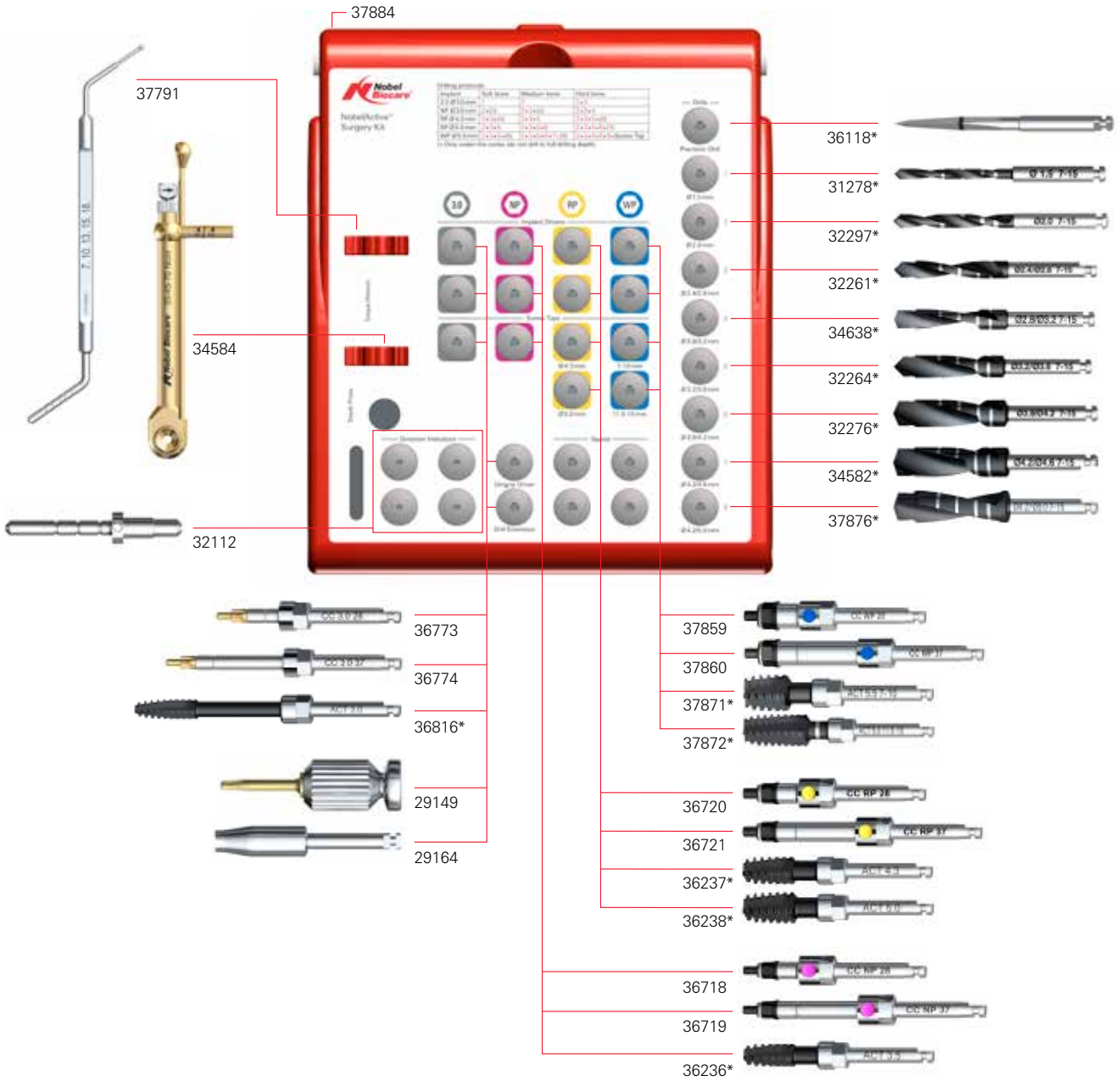
Height mm	3	5
∅ 6.0 mm	37817	37818

Cover Screw	37812

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

NobelActive® – surgery kit and components

37883 NobelActive® Surgery Kit

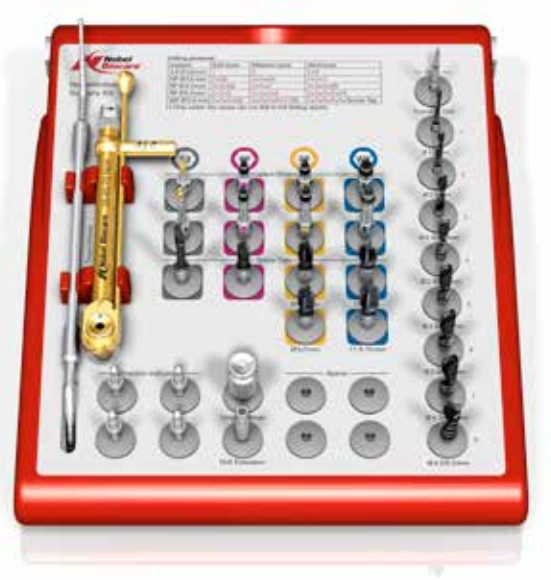


** Article not included in this kit (drills also available in other lengths).*

NobelActive® Surgery Kit 37883

(The articles below can also be purchased individually.)

Kit includes	
NobelActive® Surgery Kit Box	37884
Implant Driver Conical Connection 3.0 28 mm	36773
Implant Driver Conical Connection 3.0 37 mm	36774
Implant Driver Conical Connection NP 28 mm	36718
Implant Driver Conical Connection NP 37 mm	36719
Implant Driver Conical Connection RP 28 mm	36720
Implant Driver Conical Connection RP 37 mm	36721
Implant Driver Conical Connection WP 28 mm	37859
Implant Driver Conical Connection WP 37 mm	37860
Screwdriver Manual Unigrip™ 28 mm	29149
Drill Extension Shaft	29164
Direction Indicator ∅2/∅2.4–2.8 mm × 4	32112
Implant/Prosthetic Organizer	29532
NobelActive® Manual Torque Wrench Surgical*	34584
Depth Probe 7–18mm Z-shaped	37791
Implant Sleeve Holder	29543



Surgical Driver	32180
NobelActive® Radiographic Template	37787
NobelActive® Wall Chart	37886

Note: Drills and screw taps are available for separate purchase and are not included in the kit.

Bone Mill Kit Conical Connection 37888

(The articles below can also be purchased individually.)

Kit includes	
Bone Mill Kit Box Conical Connection	37889
Bone Mill with Guide Conical Connection 3.0 ∅4.0	37861
Bone Mill with Guide Conical Connection NP ∅4.4	37863
Bone Mill with Guide Conical Connection NP ∅5.2	37864
Bone Mill with Guide Conical Connection RP ∅5.2	37866
Bone Mill with Guide Conical Connection RP ∅6.2	37867
Bone Mill with Guide Conical Connection WP ∅6.7	37869

Bone Mill Guides are available separately

Bone Mill Guide Conical Connection 3.0	37862
Bone Mill Guide Conical Connection NP	37865
Bone Mill Guide Conical Connection RP	37868
Bone Mill Guide Conical Connection WP	37870

** Includes adapter 28840. The adapter can also be purchased individually.*

NobelParallel™ Conical Connection – overview and drilling protocols

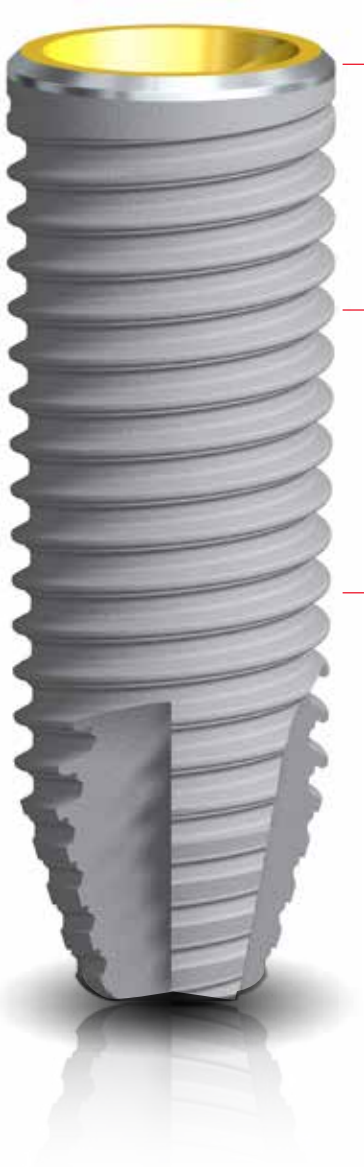
A straightforward implant for universal use

The NobelParallel Conical Connection is straightforward in design and application. The well-documented implant body provides high primary stability and allows for universal use in all bone qualities and a wide range of indications.

Discover more at nobelbiocare.com/nobelparallel

Innovation based on fifty years of experience

When Professor Per-Ingvar Br nemark placed the very first dental implants half a century ago, they were parallel-walled. NobelParallel Conical Connection benefits from fifty years of research and innovation, combining the greatest features of the successful Br nemark and NobelSpeedy implant systems.



Strong conical connection

The advanced internal conical connection with hexagonal interlocking offers high mechanical strength.

Efficient treatment flow

A limited number of drills ensures a straightforward surgical protocol that can be flexibly used in different bone densities.

Engineered for Immediate Function

- The TiUnite surface, surgical protocol, tapered apex and threads from tip to platform are all designed to provide high primary stability and support the Immediate Function protocol.
- The implant design allows for bicortical anchorage to obtain high primary stability in cases of reduced bone density.

Life TIME WARRANTY
Nobel Biocare®

Drilling protocols according to bone quality*

Recommended to ensure optimized primary implant stability when applying Immediate Function.

Platform	Ø Implant	Soft bone Type IV	Medium bone Type II-III	Dense bone Type I
NP	3.75 mm	2.0 [2.4/2.8]	2.0 2.4/2.8 Cortical Drill 3.75 [Screw Tap 3.75]	2.0 2.4/2.8 2.8/3.2 Cortical Drill 3.75 Screw Tap 3.75
RP	4.3 mm	2.0 2.4/2.8 [3.2/3.6]	2.0 2.4/2.8 3.2/3.6 Cortical Drill 4.3 [Screw Tap 4.3]	2.0 2.4/2.8 3.2/3.6 Cortical Drill 4.3 Screw Tap 4.3
RP	5.0 mm	2.0 2.4/2.8 3.2/3.6 [3.8/4.2]	2.0 2.4/2.8 3.2/3.6 3.8/4.2 Cortical Drill 5.0 [Screw Tap 5.0]	2.0 2.4/2.8 3.2/3.6 3.8/4.2 Cortical Drill 5.0 Screw Tap 5.0
WP	5.5 mm	2.0 2.4/2.8 3.2/3.6 4.2/4.6 [4.2/5.0]	2.0 2.4/2.8 3.2/3.6 4.2/5.0 Cortical Drill 5.5 [Screw Tap 5.5]	2.0 2.4/2.8 3.2/3.6 4.2/5.0 Cortical Drill 5.5 Screw Tap 5.5

All data in mm. Drills within square brackets [--] are optional.

NobelParallel™ Conical Connection

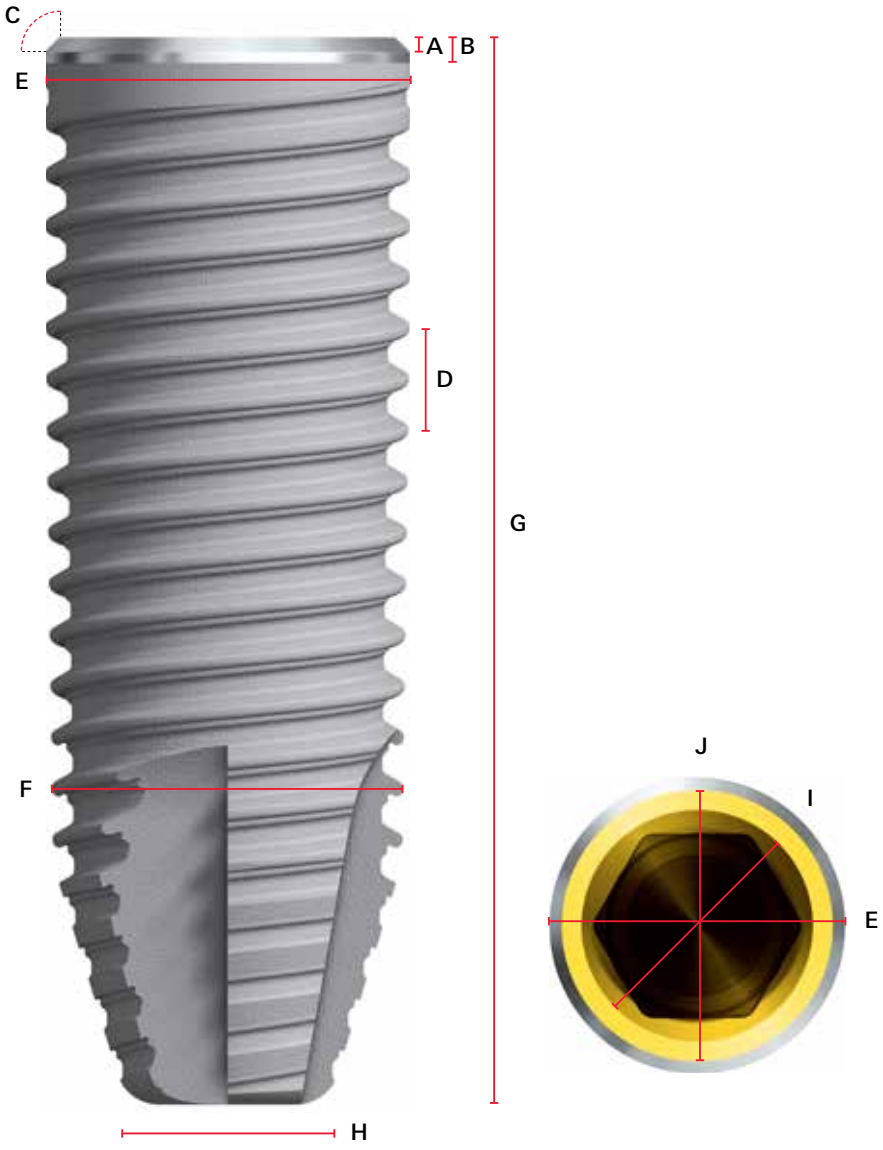
Platform	Ø Implant	Length						
		7 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NP	3.75 mm	37963	37964	37965	37966	37967	37968	37969
RP	4.3 mm	37970	37971	37972	37973	37974	37975	37976
RP	5.0 mm	37977	37978	37979	37980	37981	37982	37983
WP	5.5 mm	37984	37985	37986	37987	37988	37989	–

Cover screw included.

** Please consult the instructions for use when determining drilling protocol.*

NobelParallel™ Conical Connection – implant specifications

NobelParallel™ Conical Connection



		A	B	C	D	E	F	G	H	I	J
Platform		**Bevel height**	**Rim height**	**Bevel angle**	**Thread pitch***	**Major diameter 1**	**Major diameter 2**	**Overall length**	**Tip diameter**	**Abutment interface**	**Bridge interface**
NP 3.75	3.75×7mm	0.1	0.5	45°	1.2	3.75	3.5	6.5	2.0	3.0	3.5
	3.75×8.5mm	0.1	0.5	45°	1.2	3.75	3.5	8.0	2.0	3.0	3.5
	3.75×10mm	0.1	0.5	45°	1.2	3.75	3.5	9.5	2.0	3.0	3.5
	3.75×11.5mm	0.1	0.5	45°	1.2	3.75	3.5	11.0	2.0	3.0	3.5
	3.75×13mm	0.1	0.5	45°	1.2	3.75	3.5	12.5	2.0	3.0	3.5
	3.75×15mm	0.1	0.5	45°	1.2	3.75	3.5	14.5	2.0	3.0	3.5
	3.75×18mm	0.1	0.5	45°	1.2	3.75	3.5	17.5	2.0	3.0	3.5
RP 4.3	4.3×7mm	0.2	0.5	45°	1.2	4.3	4.1	6.5	2.4	3.4	3.9
	4.3×8.5mm	0.2	0.5	45°	1.2	4.3	4.1	8.0	2.4	3.4	3.9
	4.3×10mm	0.2	0.5	45°	1.2	4.3	4.1	9.5	2.4	3.4	3.9
	4.3×11.5mm	0.2	0.5	45°	1.2	4.3	4.1	11.0	2.4	3.4	3.9
	4.3×13mm	0.2	0.5	45°	1.2	4.3	4.1	12.5	2.4	3.4	3.9
	4.3×15mm	0.2	0.5	45°	1.2	4.3	4.1	14.5	2.4	3.4	3.9
	4.3×18mm	0.2	0.5	45°	1.2	4.3	4.1	17.5	2.4	3.4	3.9
RP 5.0	5.0×7mm	0.2	0.6	25°	1.6	5.0	4.7	6.5	2.7	3.4	3.9
	5.0×8.5mm	0.2	0.6	25°	1.6	5.0	4.7	8.0	2.7	3.4	3.9
	5.0×10mm	0.2	0.6	25°	1.6	5.0	4.7	9.5	2.7	3.4	3.9
	5.0×11.5mm	0.2	0.6	25°	1.6	5.0	4.7	11.0	2.7	3.4	3.9
	5.0×13mm	0.2	0.6	25°	1.6	5.0	4.7	12.5	2.7	3.4	3.9
	5.0×15mm	0.2	0.6	25°	1.6	5.0	4.7	14.5	2.7	3.4	3.9
	5.0×18mm	0.2	0.6	25°	1.6	5.0	4.7	17.5	2.7	3.4	3.9
WP 5.5	5.5×7mm	0.2	0.6	45°	1.6	5.5	5.3	6.5	3.0	4.4	5.1
	5.5×8.5mm	0.2	0.6	45°	1.6	5.5	5.3	8.0	3.0	4.4	5.1
	5.5×10mm	0.2	0.6	45°	1.6	5.5	5.3	9.5	3.0	4.4	5.1
	5.5×11.5mm	0.2	0.6	45°	1.6	5.5	5.3	11.0	3.0	4.4	5.1
	5.5×13mm	0.2	0.6	45°	1.6	5.5	5.3	12.5	3.0	4.4	5.1
	5.5×15mm	0.2	0.6	45°	1.6	5.5	5.3	14.5	3.0	4.4	5.1

All measurements in mm. Sectional measurements do not necessarily add up to total length
** Double-lead thread.*

NobelParallel™ Conical Connection – flowcharts

STERILE R

Implants

NobelParallel™ Conical Connection NP

Length mm	7	8.5	10	11.5	13	15	18
∅ 3.75 mm	37963	37964	37965	37966	37967	37968	37969

Cover screw included

NobelParallel™ Conical Connection RP

Length mm	7	8.5	10	11.5	13	15	18
∅ 4.3 mm	37970	37971	37972	37973	37974	37975	37976

Cover screw included

STERILE R

Drills

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–10 mm	32260
∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 2.8/3.2, 7-10mm	37873
∅ 2.8/3.2, 7–15 mm	34638
∅ 2.8/3.2, 10–18 mm	34639

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–10 mm	32260
∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 3.2/3.6, 7–10 mm	32263
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265

NON STERILE

Drill Stops

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.2 mm	33077

∅ 2 mm	33063
∅ 2.8 mm	33064
∅ 3.6 mm	33084

Cortical Drills

∅ 3.75 mm	38000

Screw Taps

3.75 7–13 mm	37990
3.75 7–18 mm	37991

Implant Drivers

NP 28 mm	36718
NP 37 mm	36719

Healing Abutments Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36639	36640	36867
∅ 5.0 mm	36641	36642	36868

Healing Abutments Bridge*

Height mm	3	5	7
∅ 4.0 mm	36864	36865	36866

Cover Screw	36649

∅ 4.3 mm	38001

4.3 7–13 mm	37992
4.3 7–18 mm	37993

RP 28 mm	36720
RP 37 mm	36721

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36643	36644	36872
∅ 5.0 mm	36645	36646	36873
∅ 6.0 mm	36647	36648	36874

Healing Abutments Bridge*

Height mm	3	5	7
∅ 5.0 mm	36869	36870	36871

Cover Screw	36650

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

STERILE R

Implants

STERILE R

Drills

Drill Stops

NobelParallel™ Conical Connection RP

Length mm	7	8.5	10	11.5	13	15	18
∅ **5.0 mm**	37977	37978	37979	37980	37981	37982	37983

Cover screw included

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–10 mm	32260
∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 3.2/3.6, 7–10 mm	32263
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265
∅ 3.8/4.2, 7–10 mm	32275
∅ 3.8/4.2, 7–15 mm	32276
∅ 3.8/4.2, 10–18 mm	32277

∅ 2.0 mm	33063
∅ 2.8 mm	33064
∅ 3.6 mm	33084
∅ 4.2 mm	33081

NobelParallel™ Conical Connection WP

Length mm	7	8.5	10	11.5	13	15
∅ **5.5 mm**	37984	37985	37986	37987	37988	37989

Cover screw included

Precision Drill	36118

Twist Drills

∅ 2, 7–10 mm	32296
∅ 2, 7–15 mm	32297
∅ 2, 10–18 mm	32299

Twist Step Drills

∅ 2.4/2.8, 7–10 mm	32260
∅ 2.4/2.8, 7–15 mm	32261
∅ 2.4/2.8, 10–18 mm	32262
∅ 3.2/3.6, 7–10 mm	32263
∅ 3.2/3.6, 7–15 mm	32264
∅ 3.2/3.6, 10–18 mm	32265
∅ 4.2/4.6, 7–10 mm	37874
∅ 4.2/4.6, 7–15 mm	34582
∅ 4.2/4.6, 10–18 mm	34583
∅ 4.2/5.0, 7–10 mm	37875
∅ 4.2/5.0, 7–15 mm	37876

∅ 2.0 mm	33063
∅ 2.8 mm	33064
∅ 3.6 mm	33084
∅ 4.2 mm	33081

Cortical Drills

∅ 5.0 mm	38002

Screw Taps

5.0 7–13 mm	37994
5.0 7–18 mm	37995

Implant Drivers

RP 28 mm	36720
RP 37 mm	36721

Healing Abutments Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36643	36644	36872
∅ 5.0 mm	36645	36646	36873
∅ 6.0 mm	36647	36648	36874

Healing Abutments Bridge*

Height mm	3	5	7
∅ 5.0 mm	36869	36870	36871

Cover Screw	36650

∅ 5.5 mm	38003

5.5 7–10 mm	37996
5.5 7–15 mm	37997

WP 28 mm	37859
WP 37 mm	37860

Healing Abutments

Height mm	3	5
∅ 5.0 mm	37813	37814
∅ 6.5 mm	37815	37816

Healing Abutments Anatomical PEEK

WP 6×7 mm	37819
WP 7×8 mm	37820

Healing Abutments Bridge*

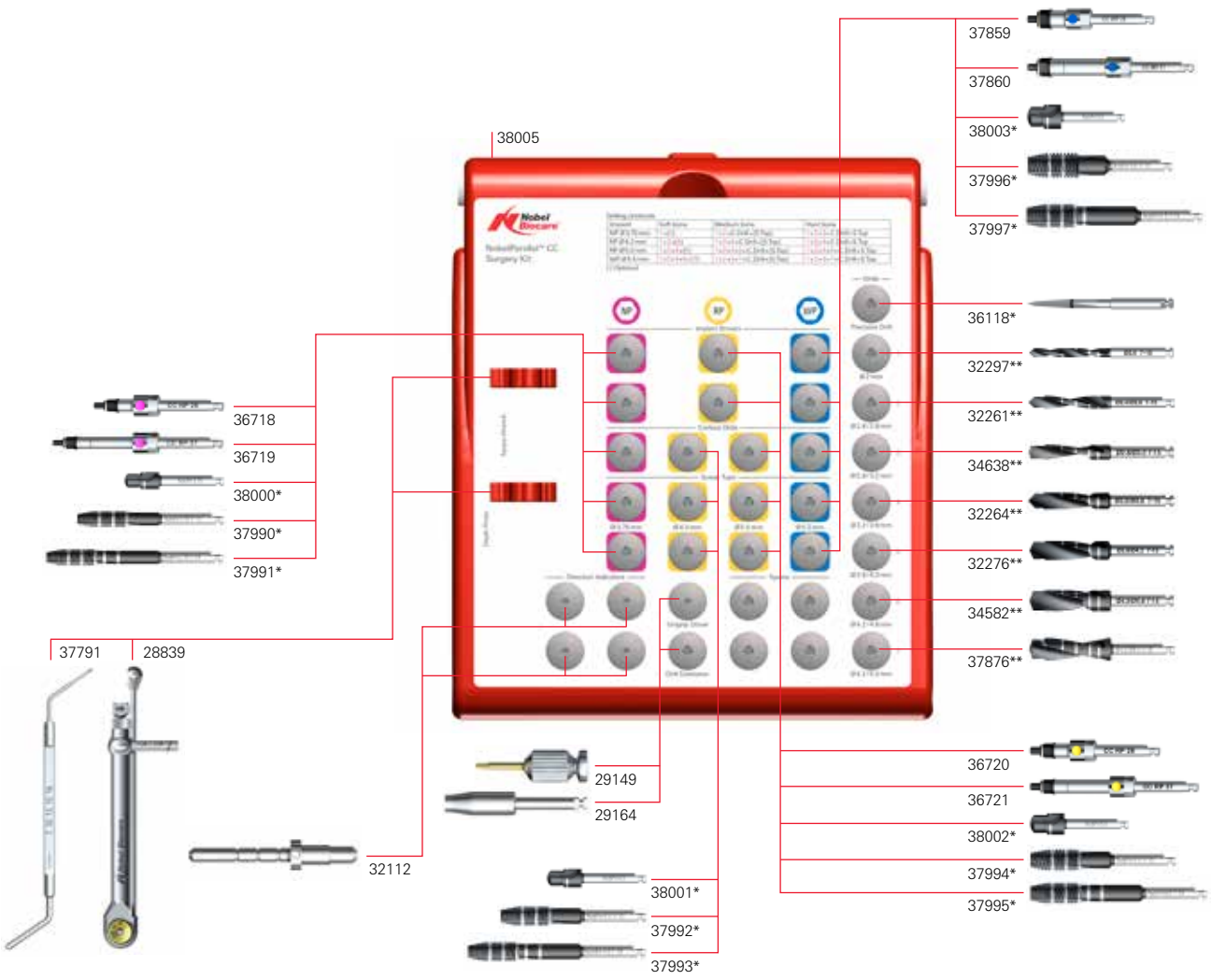
Height mm	3	5
∅ 6.0 mm	37817	37818

Cover Screw	37812

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

NobelParallel™ Conical Connection – surgery kit and components

38004 NobelParallel™ Conical Connection Surgery Kit



** Article not included in this kit*
*** Article not included in this kit and also available in other lengths*

NobelParallel™ Conical Connection Surgery Kit 38004

(The articles below can also be purchased individually.)

Kit includes	
NobelParallel™ Conical Connection Surgery Kit Box	38005
Implant Driver Conical Connection NP 28 mm	36718
Implant Driver Conical Connection NP 37 mm	36719
Implant Driver Conical Connection RP 28 mm	36720
Implant Driver Conical Connection RP 37 mm	36721
Implant Driver Conical Connection WP 28 mm	37859
Implant Driver Conical Connection WP 37 mm	37860
Screwdriver Manual Unigrip™ 28 mm	29149
Drill Extension Shaft	29164
Direction Indicator Ø2/Ø2.4–2.8 mm × 4	32112
Implant/Prosthetic Organizer	29532
NobelReplace® Manual Torque Wrench Surgical*	28839
Depth Probe 7–18mm Z-shaped	37791
Implant Sleeve Holder	29543
NobelParallel™ Conical Connection Wall Chart	38007
NobelParallel™ CC Radiographic Template	37792

Note: Drills and screw taps are available for separate purchase and are not included in the kit.

Bone Mill Kit Conical Connection 37888

(The articles below can also be purchased individually.)

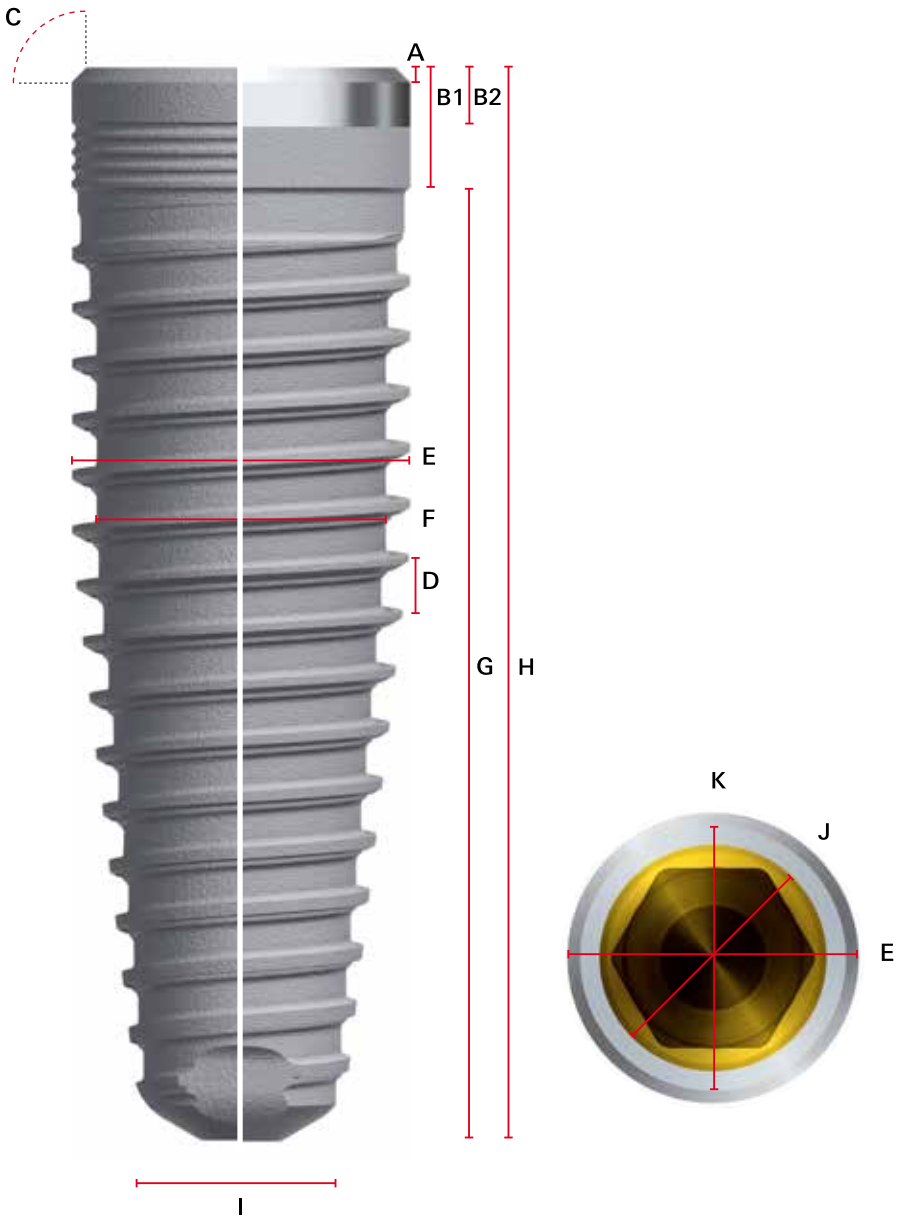
Kit includes	
Bone Mill Kit Box Conical Connection	37889
Bone Mill with Guide Conical Connection 3.0 Ø4.0	37861
Bone Mill with Guide Conical Connection NP Ø4.4	37863
Bone Mill with Guide Conical Connection NP Ø5.2	37864
Bone Mill with Guide Conical Connection RP Ø5.2	37866
Bone Mill with Guide Conical Connection RP Ø6.2	37867
Bone Mill with Guide Conical Connection WP Ø6.7	37869

Bone Mill Guides are available separately

Bone Mill Guide Conical Connection 3.0	37862
Bone Mill Guide Conical Connection NP	37865
Bone Mill Guide Conical Connection RP	37868
Bone Mill Guide Conical Connection WP	37870

NobelReplace® Conical Connection – implant specifications

NobelReplace® Conical Connection
NobelReplace® Conical Connection PMC



		A	B		C	D	E	F	G	H	I	J	K
Implant diameter		**Bevel height**	**Collar height**		**Bevel angle**	**Thread pitch**	**Major diameter**	**Minor diameter**	**Thread height**	**Overall length**	**Tip diameter**	**Abut-ment interface**	**Bridge interface**
			B1	**B2**									
3.5	3.5×8 mm	–	1.5	0.8	–	0.6	3.5	3.0	7.0	8.6	2.1	3.0	3.5
	3.5×10 mm	–	1.5	0.8	–	0.6	3.5	3.0	9.0	10.6	2.1	3.0	3.5
	3.5×11.5 mm	–	1.5	0.8	–	0.6	3.5	3.0	10.5	12.1	2.1	3.0	3.5
	3.5×13 mm	–	1.5	0.8	–	0.6	3.5	3.0	12.1	13.6	2.1	3.0	3.5
	3.5×16 mm	–	1.5	0.8	–	0.6	3.5	3.0	15.1	16.6	2.1	3.0	3.5
4.3	4.3×8 mm	0.2	1.5	0.8	45°	0.7	4.3	3.7	7.0	8.6	2.6	3.4	3.9
	4.3×10 mm	0.2	1.5	0.8	45°	0.7	4.3	3.7	9.0	10.6	2.6	3.4	3.9
	4.3×11.5 mm	0.2	1.5	0.8	45°	0.7	4.3	3.7	10.5	12.1	2.6	3.4	3.9
	4.3×13 mm	0.2	1.5	0.8	45°	0.7	4.3	3.7	12.1	13.6	2.6	3.4	3.9
	4.3×16 mm	0.2	1.5	0.8	45°	0.7	4.3	3.7	15.1	16.6	2.6	3.4	3.9
5.0	5.0×8 mm	0.6	1.5	0.8	45°	0.8	5.0	4.2	7.0	8.6	3.0	3.4	3.9
	5.0×10 mm	0.6	1.5	0.8	45°	0.8	5.0	4.2	9.0	10.6	3.0	3.4	3.9
	5.0×11.5 mm	0.6	1.5	0.8	45°	0.8	5.0	4.2	10.5	12.1	3.0	3.4	3.9
	5.0×13 mm	0.6	1.5	0.8	45°	0.8	5.0	4.2	12.1	13.6	3.0	3.4	3.9
	5.0×16 mm	0.6	1.5	0.8	45°	0.8	5.0	4.2	15.1	16.6	3.0	3.4	3.9

All measurements in mm. Sectional measurements do not necessarily add up to total length.

NobelReplace® Conical Connection

Platform	Implant Ø	Length				
		8 mm	10 mm	11.5 mm	13 mm	16 mm
NP	3.5 mm	36699	36700	36701	36702	36703
RP	4.3 mm	36704	36705	36707	36708	36709
RP	5.0 mm	36710	36711	36712	36713	36714

With TiUnite on collar

NobelReplace® Conical Connection PMC (Partially Machined Collar)*

Platform	Implant Ø	Length				
		8 mm	10 mm	11.5 mm	13 mm	16 mm
NP	3.5 mm	37284	37285	37287	37288	37289
RP	4.3 mm	37290	37291	37292	37293	37294
RP	5.0 mm	37295	37296	37297	37298	37299

* Cover screw included.

With 0.75 mm machined collar

NobelReplace® Conical Connection – flowcharts

STERILE R

Implants

NobelReplace® Conical Connection NP

Length mm	8	10	11.5	13	16
∅ 3.5 mm	36699	36700	36701	36702	36703

Cover screw not included

NobelReplace® Conical Connection PMC NP

Length mm	8	10	11.5	13	16
∅ 3.5 mm	37284	37285	37287	37288	37289

Cover screw included

NobelReplace® Conical Connection RP

Length mm	8	10	11.5	13	16
∅ 4.3 mm	36704	36705	36707	36708	36709

Cover screw not included

NobelReplace® Conical Connection PMC RP

Length mm	8	10	11.5	13	16
∅ 4.3 mm	37290	37291	37292	37293	37294

Cover screw included

STERILE R

Drills with Tip

Precision Drill 36118

∅ 2.0 mm	36117

Drills

Length mm	∅ 3.5 mm
8	32075
10	29367
11.5	36113
13	29368
16	29369

NP drill +

Length mm	∅ 4.3 mm
8	32076
10	29370
11.5	36114
13	29371
16	29372

Dense Bone Drills

Length mm	13	16
∅ 3.5 mm	29377	29378

Length mm	13	16
∅ 4.3 mm	29380	29381

Screw Taps

∅ 3.5 mm	36717

∅ 4.3 mm	32090

Implant Drivers

28 mm	36718
37 mm	36719

28 mm	36720
37 mm	36721

Healing Abutments Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36639	36640	36867
∅ 5.0 mm	36641	36642	36868

Healing Abutments Bridge*

Height mm	3	5	7
∅ 4 mm	36864	36865	36866

Cover Screw	36649

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36643	36644	36872
∅ 5.0 mm	36645	36646	36873
∅ 6.0 mm	36647	36648	36874

Healing Abutments Bridge*

Height mm	3	5	7
∅ 5 mm	36869	36870	36871

Cover Screw	36650

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

STERILE R

Implants

RP

NobelReplace® Conical Connection RP

Length mm	8	10	11.5	13	16
∅ 5.0 mm	36710	36711	36712	36713	36714

Cover screw not included

NobelReplace® Conical Connection PMC RP

Length mm	8	10	11.5	13	16
∅ 5.0 mm	37295	37296	37297	37298	37299

Cover screw included

STERILE R

Drills with Tip

Precision Drill	36118

∅ 2.0 mm	36117

Drills

NP and RP drills +

Length mm	∅ 5.0 mm
8	32077
10	29373
11.5	36115
13	29374
16	29375

Dense Bone Drills

Length mm	13	16
∅ 5.0 mm	29383	29384

Screw Taps

∅ 5.0 mm	32091

Implant Drivers

28 mm	36720
37 mm	36721

Healing Abutments
Cover Screws

Healing Abutments

Height mm	3	5	7
∅ 3.6 mm	36643	36644	36872
∅ 5.0 mm	36645	36646	36873
∅ 6.0 mm	36647	36648	36874

Healing Abutments Bridge*

Height mm	3	5	7
∅ 5 mm	36869	36870	36871

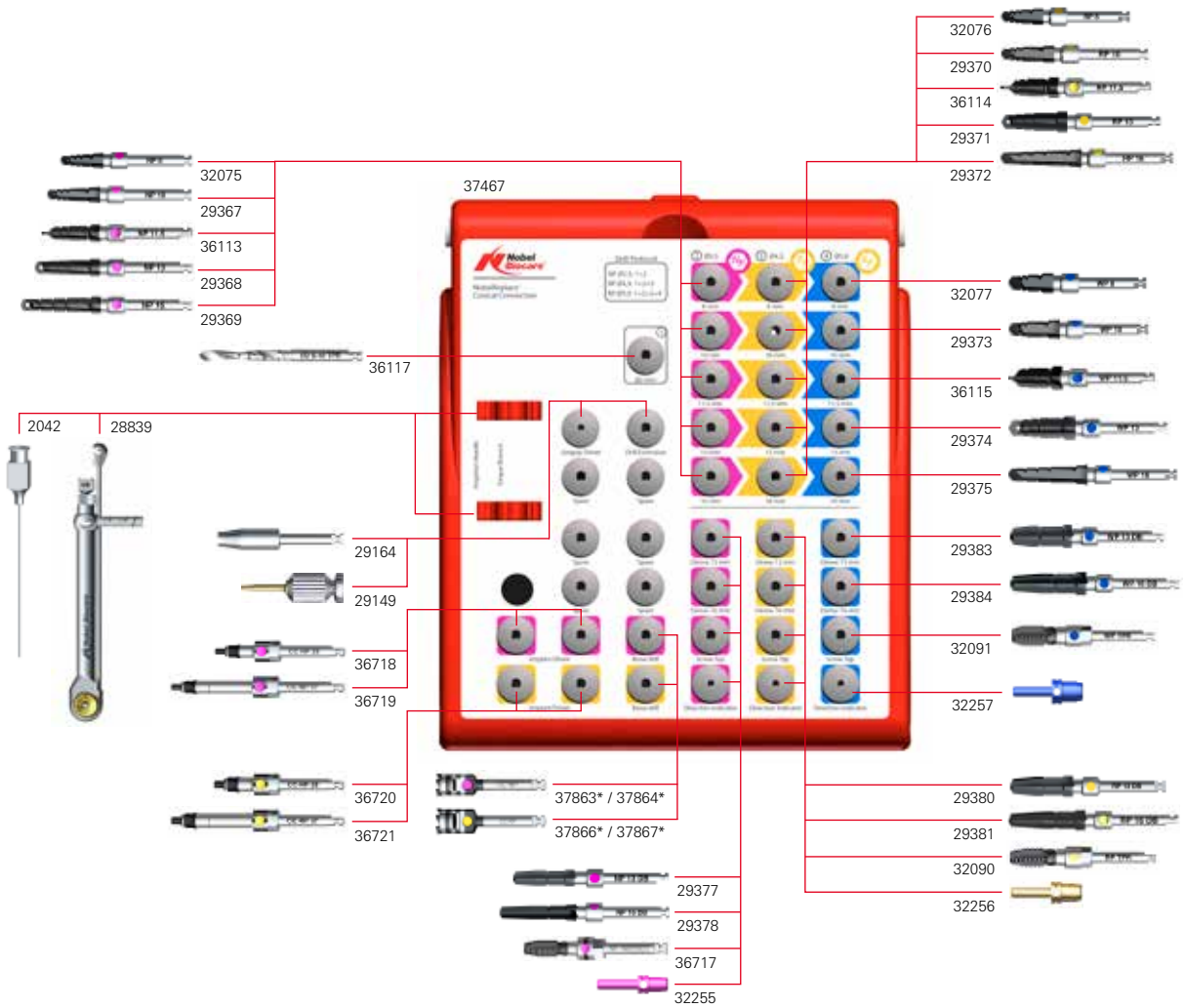
Cover Screw	36650

** Used for multiple-unit restorations with NobelProcera Implant Bridge and GoldAdapt Non-Engaging.*

NobelReplace® Conical Connection – surgery kits and components

37465 NobelReplace® Conical Connection Surgery Kit

– Includes instruments to perform implant surgery for implants 3.5, 4.3 and 5.0 mm.
– For NobelReplace Conical Connection and NobelReplace Conical Connection PMC.



** Article not included in this kit.*

NobelReplace® Conical Connection Surgery Kit 37465

(The articles below can also be purchased individually.)

Kit includes	
NobelReplace® Conical Connection Surgery Kit Box	37467
Drill Tapered NP 3.5×8 mm	32075
Drill Tapered NP 3.5×10 mm	29367
Drill Tapered NP 3.5×11.5 mm	36113
Drill Tapered NP 3.5×13 mm	29368
Drill Tapered NP 3.5×16 mm	29369
Drill Tapered RP 4.3×8 mm	32076
Drill Tapered RP 4.3×10 mm	29370
Drill Tapered RP 4.3×11.5 mm	36114
Drill Tapered RP 4.3×13 mm	29371
Drill Tapered RP 4.3×16 mm	29372
Drill Tapered WP 5.0×8 mm	32077
Drill Tapered WP 5.0×10 mm	29373
Drill Tapered WP 5.0×11.5 mm	36115
Drill Tapered WP 5.0×13 mm	29374
Drill Tapered WP 5.0×16 mm	29375
Dense Bone Drill Tapered NP 3.5×13 mm	29377
Dense Bone Drill Tapered NP 3.5×16 mm	29378
Dense Bone Drill Tapered RP 4.3×13 mm	29380
Dense Bone Drill Tapered RP 4.3×16 mm	29381
Dense Bone Drill Tapered WP 5.0×13 mm	29383
Dense Bone Drill Tapered WP 5.0×16 mm	29384
Screw Tap Tapered NP	36717
Screw Tap Tapered RP	32090
Screw Tap Tapered WP	32091

STERILE R	Drill with Tip Tapered 2 mm	36117
	Precision Drill	36118

Note: Bone Mills with Guide need to be ordered separately.

Manual Torque Wrench Surgical*	28839
Implant Driver Conical Connection NP 28 mm	36718
Implant Driver Conical Connection NP 37 mm	36719
Implant Driver Conical Connection RP 28 mm	36720
Implant Driver Conical Connection RP 37 mm	36721
Screwdriver Manual Unigrip™ 28 mm	29149
Drill Extension Shaft	29164
Direction Indicator Tapered NP	32255
Direction Indicator Tapered RP	32256
Direction Indicator Tapered WP	32257
Irrigation Needle	2042
Implant/Prosthetic Organizer	29532
Implant Sleeve Holder	29543
NobelReplace® Conical Connection Wall Chart	37469
NobelReplace® / Replace Select™ Tapered Radiographic Template	37320

** Includes adapter 28840. The adapter can also be purchased individually.*

Implant Driver Kit Conical Connection 36915

(The articles below can also be purchased individually.)

Kit includes	
Implant Driver Kit Box Conical Connection	36916
Implant Driver Conical Connection NP 28mm	36718
Implant Driver Conical Connection NP 37mm	36719
Implant Driver Conical Connection RP 28mm	36720
Implant Driver Conical Connection RP 37mm	36721

Bone Mill Kit Conical Connection 37888

(The articles below can also be purchased individually.)

Kit includes	
Bone Mill Kit Box Conical Connection	37889
Bone Mill with Guide Conical Connection 3.0 ∅4.0	37861
Bone Mill with Guide Conical Connection NP ∅4.4	37863
Bone Mill with Guide Conical Connection NP ∅5.2	37864
Bone Mill with Guide Conical Connection RP ∅5.2	37866
Bone Mill with Guide Conical Connection RP ∅6.2	37867
Bone Mill with Guide Conical Connection WP ∅6.7	37869

Bone Mill Guides are available separately

Bone Mill Guide Conical Connection 3.0	37862
Bone Mill Guide Conical Connection NP	37865
Bone Mill Guide Conical Connection RP	37868
Bone Mill Guide Conical Connection WP	37870

Product reference lines

All measurements from the tip of the drill to the bottom edge of the marking.

Caution: The drill preparation is up to 1 mm longer than the implant. Allow for this additional length when drilling near vital anatomical structures.

Brånemark System® Zygoma – overview

Improve your patients' quality of life

– Anchoring the implants in the zygomatic bone is an alternative to bone grafting.
– Option to load implants immediately after surgery with a fixed provisional prosthesis.

Surgical flexibility

Implants available in eight lengths from 30 to 52.5 mm.

Prosthetic flexibility

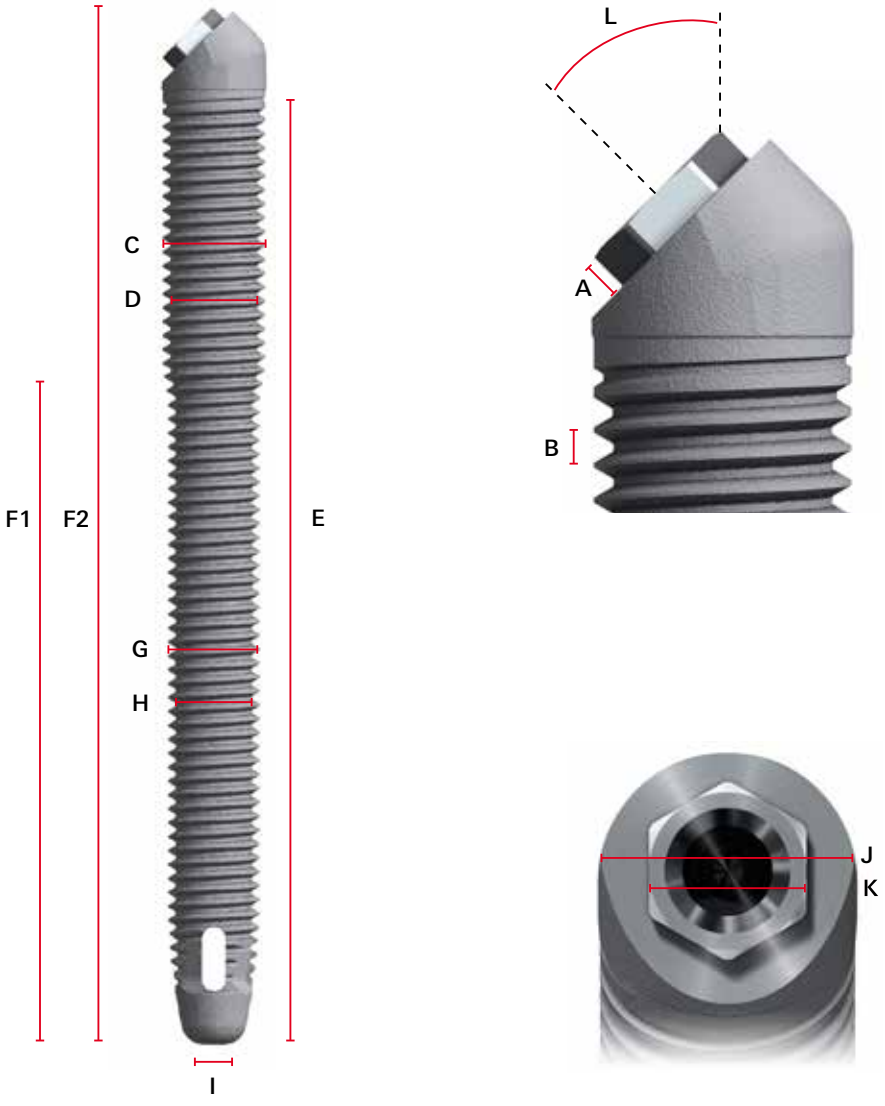
NobelProcera Implant Bridge on implant or Multi-unit Abutment level

NobelProcera Implant Bar Overdenture on implant or Multi-unit Abutment level

Life TIME WARRANTY
Nobel Biocare®

Brånemark System® Zygoma – implant specifications

Brånemark System®
Zygoma TiUnite®



		A	B	C	D	E	F1	F2	G	H	I	J	K	L
Platform	**Implant length**	**Hex height**	**Thread pitch**	**Major diameter 1**	**Minor diameter 1**	**Thread height**	**Length of smaller diameter**	**Total length**	**Major diameter 2**	**Minor diameter 2**	**Tip diameter**	**Collar diameter**	**Hex width**	**Angle**
RP	30mm	0.7	0.6	4.4	3.8	31.0	17.8	34.7	3.9	3.3	2.5	4.1	2.7	45°
	35mm	0.7	0.6	4.4	3.8	36.0	22.8	39.7	3.9	3.3	2.5	4.1	2.7	45°
	40mm	0.7	0.6	4.4	3.8	41.0	27.8	44.7	3.9	3.3	2.5	4.1	2.7	45°
	42.5mm	0.7	0.6	4.4	3.8	43.5	30.3	47.2	3.9	3.3	2.5	4.1	2.7	45°
	45mm	0.7	0.6	4.4	3.8	46.0	32.8	49.7	3.9	3.3	2.5	4.1	2.7	45°
	47.5mm	0.7	0.6	4.4	3.8	48.5	35.3	52.2	3.9	3.3	2.5	4.1	2.7	45°
	50mm	0.7	0.6	4.4	3.8	51.0	37.8	54.7	3.9	3.3	2.5	4.1	2.7	45°
	52.5mm	0.7	0.6	4.4	3.8	53.5	40.3	57.2	3.9	3.3	2.5	4.1	2.7	45°

All measurements in mm. Sectional measurements do not necessarily add up to total length.

Brånemark System® Zygoma – surgical and prosthetic components

STERILE R Brånemark System® Zygoma TiUnite® RP

Implant 30 mm	34723
Implant 35 mm	34724
Implant 40 mm	34735
Implant 42.5 mm	34736
Implant 45 mm	34737
Implant 47.5 mm	34738
Implant 50 mm	34739
Implant 52.5 mm	34740

All implants are delivered with the implant mount pre-mounted. Each package also includes a cover screw.

STERILE R Br nemark System® Zygoma Cover Screw (TiUnite)	32424

STERILE R Brånemark System® Zygoma Healing Abutments

∅ 4 × 3 mm	32332
∅ 4 × 5 mm	32333

STERILE R Brånemark System® Zygoma Multi-unit Abutments RP

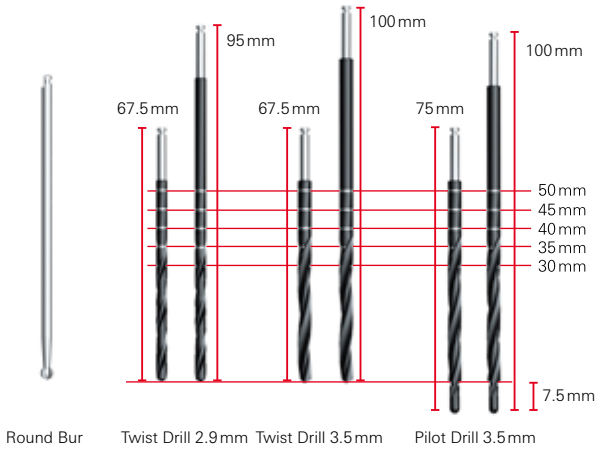
Multi-unit 3 mm	32330
Multi-unit 5 mm	32331
17° Multi-unit 2 mm	32328
17° Multi-unit 3 mm	32329

NON STERILE Br nemark System® Zygoma Impression Coping Open Tray ∅ 4 mm	33396
NON STERILE Br nemark System® Zygoma Abutment Screw*	33397

** A shorter abutment screw for placing a wider range of abutments and bridges on Brånemark System® Zygoma implants. The abutment screw is compatible with the following components: NobelProcera / Procera Implant Bridge, NobelProcera / Procera Abutment Titanium, Esthetic Abutment, Snappy Abutment, GoldAdapt, Gold Abutment Bar (implant level), and Temporary Abutment.*

Brånemark System® Zygoma drills

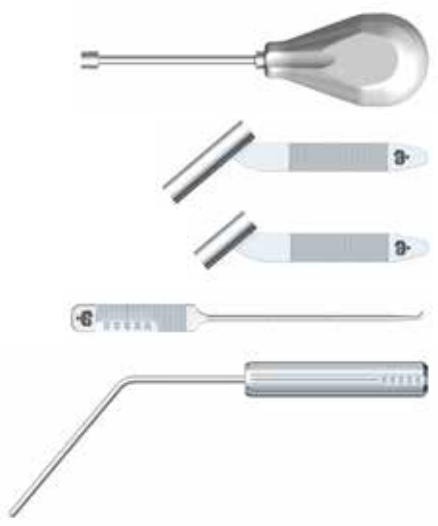
Round Bur	DIA 578-0
Twist Drill 2.9 mm	32628
Twist Drill 2.9 mm Short	32629
Pilot Drill 3.5 mm	32630
Pilot Drill 3.5 mm Short	32791
Twist Drill 3.5 mm	32631
Twist Drill 3.5 mm Short	32632



Zygoma Surgical Kit 29162

(The articles below cannot be purchased individually.)

Kit includes
Storage Box*
Z Handle
Z Drill Guard
Z Drill Guard Short
Z Depth Indicator Straight
Z Depth Indicator Angled



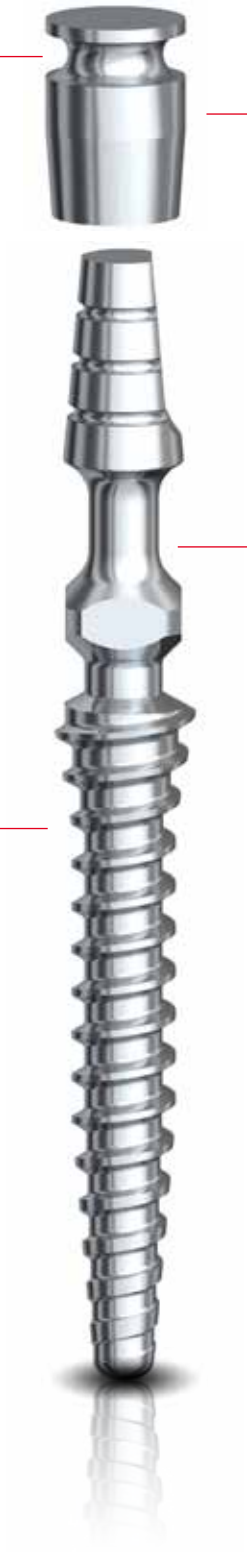
Zygoma instruments

Cover Screw Driver Br nemark System® Hexagon	DIB 097-0
Screwdriver Machine Unigrip™ 25 mm (to implant mount screw)	29152
Screwdriver Manual Unigrip™ 28 mm (to implant mount screw)	29149
Zygoma Handpiece (semi straight ratio 20:1)	32615
Connection to Handpiece 1	29081

** The storage box cannot be sterilized.*

Immediate Provisional Implant

For provisional restorations
Initial stability and support for multiple-unit and full-arch provisional restorations both in the mandible and maxilla.



High retention
Machined titanium coping integrated in the prosthesis engages with the tapered abutment design.

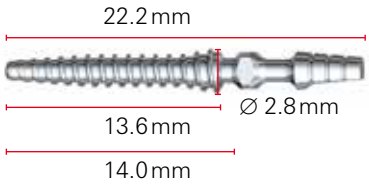
Adjustable prosthetic orientation
Designed with a “bendable” neck for abutment parallelism.

Strong implant body
∅ 2.8 mm titanium alloy implant body with cortically engaging threads for dependable placement in limited spaces.

Implants and surgical components

STERILE R Implants

Immediate Provisional Implant	29544
Immediate Provisional Implants 10 Single Packages	29545

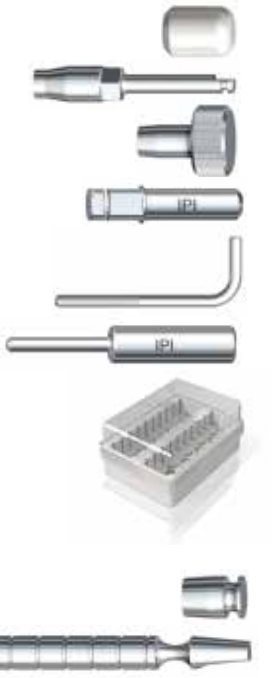


STERILE R Drills

Immediate Provisional Implant Disposable Twist Drill	30049

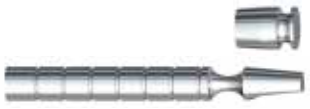
Surgical instruments and accessories

Immediate Provisional Implant Comfort Cap 5/pkg	29548
Immediate Provisional Implant Insertion Wrench	29550
Immediate Provisional Implant Hand Wrench	29551
Immediate Provisional Implant Retrieval Tool	29552
Immediate Provisional Implant Bending Tool	29553
Immediate Provisional Implant Parallel Pin	29554
Implant/Prosthetic Organizer	29532

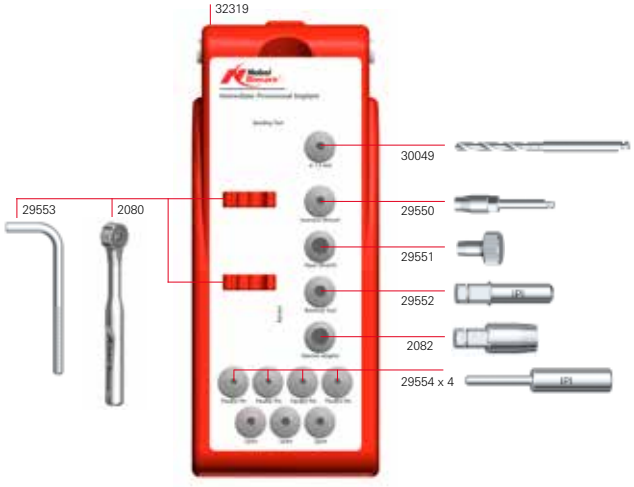


Prosthetics

Immediate Provisional Implant Coping 5/pkg	29546
Immediate Provisional Implant Analog 5/pkg	29547



Surgery kit



Immediate Provisional Implant Surgery Kit 32305
(The articles below can also be purchased individually.)

Kit includes	
Immediate Provisional Implant Kit Box	32319
Immediate Provisional Implant x 15	29544
Immediate Provisional Implant Coping 5/pkg x 3	29546
Ratchet	2080
Ratchet Adapter	2082
Immediate Provisional Implant Insertion Wrench	29550
Immediate Provisional Implant Hand Wrench	29551
Immediate Provisional Implant Retrieval Tool	29552
Immediate Provisional Implant Bending Tool	29553
Immediate Provisional Implant Parallel Pin x 4	29554
Immediate Provisional Implant Disposable Twist Drill	30049
Radiographic Template Immediate Provisional Implant	30161

Prefabricated prosthetics

	Temporary							Final								
	Healing Abutment	Slim Healing and Slim Temporary Abutments	Healing and Temporary Abutments Anatomical PEEK	Immediate Temporary Abutment	QuickTemp™ Abutment	Temporary Abutment Engaging	Temporary Abutment Non-Engaging	Procera® Esthetic Abutment	Esthetic Abutment	Snappy™ Abutment	Universal Base	GoldAdapt™ Engaging	GoldAdapt™ Non-Engaging	Multi-unit Abutment	Narrow Profile Abutment	Locator® Abutment	Gold Abutment Bar
																	
Indication																	
Single unit	×	×	×	×		×		×	×	×	×	×			×		
Multiple unit	×		×		×		×	×	×	×	×[3]	×[3]	×	×			
Full arch	×				×		×						×	×		×	×
Location																	
Anterior	×	×		×	×	×	×	×	×		×	×	×	×	×	×	×
Posterior	×		×	×	×	×	×	×[2]	×	×	×	×	×	×		×	×
Restoration																	
Cement-retained		×	×	×	×			×	×	×	×	×			×		
Screw-retained						×	×				×	×	×	×			
Material																	
Zirconia								×									
Titanium	×	×		×	×	×[1]	×[1]		×	×	×			×	×	×	
Gold alloy												×	×				×
PEEK			×														

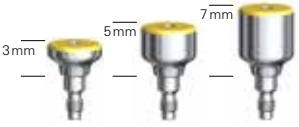
Note: For handling, indications and contraindications please refer to the respective instructions for use at ifu.nobelbiocare.com

1 Also available in plastic for external hex and internal tri-channel connections.
2 Zirconia abutments with internal conical connection are not indicated for posterior use.
3 Only for cement-retained restorations.

Healing Abutment

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R

	3.0*	3.0*	3.0*	NP	NP	NP	RP	RP	RP	WP	WP
Height	3 mm	5 mm	7 mm	3 mm	5 mm	7 mm	3 mm	5 mm	7 mm	3 mm	5 mm
Healing Abutment ∅ 3.2 mm	 36794	36795	36796	–	–	–	–	–	–	–	–
Healing Abutment ∅ 3.6 mm	–	–	–	 36639	36640	36867	36643	36644	36872	–	–
Healing Abutment ∅ 3.8 mm	 36797	36798	36799	–	–	–	–	–	–	–	–
Healing Abutment ∅ 5 mm	–	–	–	 36641	36642	36868	36645	36646	36873	37813	37814
Healing Abutment ∅ 6 mm	–	–	–	–	–	–	 36647	36648	36874	–	–
Healing Abutment ∅ 6.5 mm	–	–	–	–	–	–	–	–	–	 37815	37816
Healing Abutment Bridge ∅ 4 mm	–	–	–	 36864	36865	36866	–	–	–	–	–
Healing Abutment Bridge ∅ 5 mm	–	–	–	–	–	–	 36869	36870	36871	–	–
Healing Abutment Bridge ∅ 6 mm	–	–	–	–	–	–	–	–	–	 37817	37818

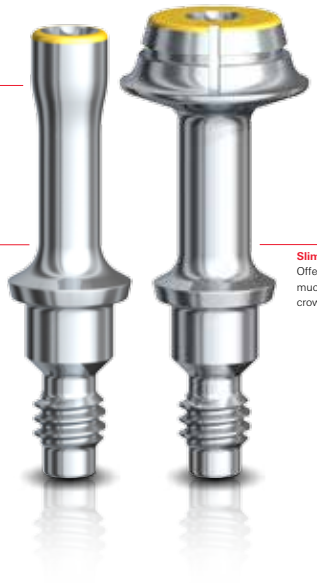
** Only for NobelActive 3.0.*

Slim Healing and Slim Temporary Abutments

For single-unit restorations in the anterior

Unique narrow design allows more soft tissue to develop around the treatment site for esthetic results.

Slim Healing Abutment
Maximizes space for soft tissue grafting.



Slim Temporary Abutment
Offers increased space for the mucosa when a temporary crown is in place.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

		3.0*	3.0*	NP	NP	RP	RP
	Height	5 mm	7 mm	5 mm	7 mm	5 mm	7 mm
STERILE R	Slim Healing Abutment	37669	37670	37666	37665	37667	37668

		3.0	3.0	NP	NP	RP	RP
	Height	6.5 mm	7.5 mm	6.5 mm	7.5 mm	6.5 mm	7.5 mm
STERILE R	Slim Temporary Abutment	37675	37676	37671	37672	37673	37674

		3.0	NP	RP
	Implant Driver CC for Slim Abutment	37713	37677	37678

** Only for NobelActive 3.0.*

Healing and Temporary Abutments Anatomical PEEK

For single-unit restorations in the posterior

PEEK material allows for easy chairside modifications.

White color for natural-looking esthetics.

Anatomically shaped to match the contours of the molars, which means fewer shape adjustments and an optimized emergence profile in less time.

Healing Abutment Anatomical PEEK

Temporary Abutment Anatomical PEEK

Internal conical connection
NobelActive® and NobelParallel™ Conical Connection

STERILE R

	6×7 mm	7×8 mm
Healing Abutment Anatomical PEEK	37819	37820
Temporary Abutment Anatomical PEEK	37821	37822

Clinical screw included.

Immediate Temporary Abutment

For cement-retained temporary single units

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R	3.0	NP	RP
	3.0*	**NP**	**RP**
Immediate Temporary Abutment 1.5 mm	36777	36653	36654
Immediate Temporary Abutment 3.0 mm	36778	36655	36656
Plastic Coping Immediate Temporary Abutment (cannot be used as a burn-out)	–	31656	31656

Plastic coping included.

QuickTemp™ Abutment Conical

For cement-retained temporary multiple units

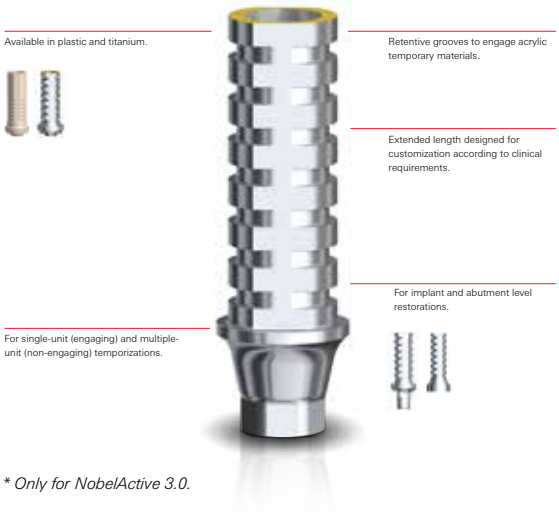
Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R	NP	RP
	NP	**RP**
QuickTemp™ Abutment Conical 1.5 mm	36659	36660
QuickTemp™ Abutment Conical 3.0 mm	36657	36658
Plastic Coping QuickTemp™ Abutment Conical (cannot be used as a burn-out)	33404	33404

Plastic coping included.

Temporary Abutment

For screw-retained single- and multiple-unit restorations



** Only for NobelActive 3.0.*

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0	NP	RP	WP
	3.0*	**NP**	**RP**	**WP**
Temporary Abutment Engaging Titanium with Abutment Screw	**1.5 mm** 36779	**1.5 mm** 36663	**1.5 mm** 36664	**1.5 mm** 37823 **3 mm** 37824
Temporary Abutment Non-Engaging Titanium with Abutment Screw	–	**1.5 mm** 36661	**1.5 mm** 36662	**1.5 mm** 37825 **3 mm** 37826

Note: Use Temporary Abutment Plastic in the oral cavity for maximum 90 days.

Procera® Esthetic Abutment

Zirconia abutments for single- and multiple-unit restorations*

Comprehensive selection of shapes, heights, margins and angulations minimizes chairside adjustments.

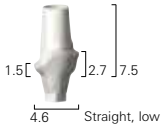
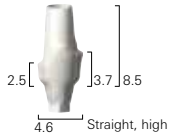
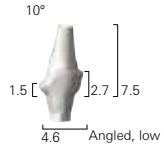
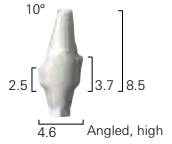
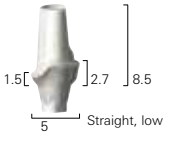
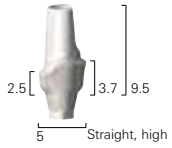
Off-the-shelf abutment, based on the most common individual abutment designs for excellent esthetic results in all indications.

Biocompatible zirconia for excellent strength and homogeneity.

Scalloped margin designed to profile natural soft tissue contours.

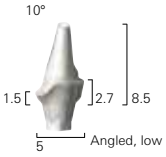
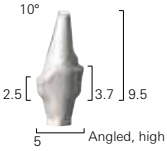
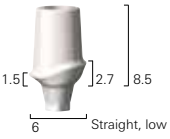
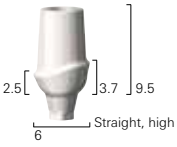
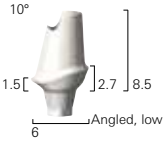
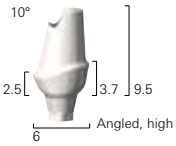
** Zirconia abutments with internal conical connection are not indicated for posterior use.*

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP
Procera® Esthetic Abutment # 1	 36627	–
Procera® Esthetic Abutment # 2	 36628	–
Procera® Esthetic Abutment # 3	 36629	–
Procera® Esthetic Abutment # 4	 36630	–
Procera® Esthetic Abutment # 5	 –	36631
Procera® Esthetic Abutment # 6	 –	36632

Clinical screw included.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP
Procera® Esthetic Abutment # 7	 –	36633
Procera® Esthetic Abutment # 8	 –	36634
Procera® Esthetic Abutment # 9	 –	36635
Procera® Esthetic Abutment # 10	 –	36636
Procera® Esthetic Abutment # 11	 –	36637
Procera® Esthetic Abutment # 12	 –	36638

Clinical screw included.

Esthetic Abutment

Titanium abutment for single- and multiple-unit cement-retained restorations

Comprehensive selection of shapes, heights, margins and angulations minimizes chair-side adjustments.

Excellent esthetic results in all indications.

Scalloped margin designed to profile natural soft tissue contours.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0*	NP	RP	WP
Esthetic Abutment 1.5 mm	36782	36665	36669	–
Esthetic Abutment 3 mm	36783	36666	36671	–
Esthetic Abutment 4.5 mm	36814	36249	36251	–
Esthetic Abutment 6×7 mm	–	–	–	37827
Esthetic Abutment 7×8 mm	–	–	–	37828

Clinical screw included.

** Only for NobelActive 3.0.*

Esthetic Abutment angled

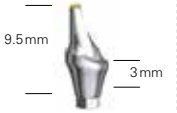
Titanium abutment for single- and multiple-unit cement-retained restorations

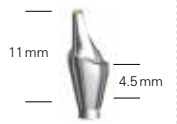
Comprehensive selection of shapes, heights, margins and angulations minimizes chair-side adjustments.

Excellent esthetic results in all indications.

Scalloped margin designed to profile natural soft tissue contours.

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection		
	3.0	NP	RP
	3.0*	**NP**	**RP**
15° Esthetic Abutment 1 mm –	–	–	36837
15° Esthetic Abutment 1.5 mm	36784	36667	36672
15° Esthetic Abutment 3 mm	36785	36668	36673
15° Esthetic Abutment 4.5 mm	36815	36250	36252





Clinical screw included.

Snappy™ Abutment

For single- and multiple-unit cement-retained restorations in the posterior region

Predictable and accurate seating with audible "snap."

Available in two abutment heights (4.0 and 5.5 mm) and two collar heights.*

One package includes everything needed: abutment and screw, impression coping, healing cap and temporary coping engaging.

Laser markings on all products ensure fast and accurate identification of components.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R

	NP	RP	RP Wide	WP
Snappy™ Abutment 4.0 1 mm	35972	–	–	
Snappy™ Abutment 4.0 1.5 mm	36695	36693	36691	37834
Snappy™ Abutment 4.0 3 mm	36696	36694	36692	37835

Included:
– *Clinical screw*
– *Impression coping*
– *Healing cap*
– *Plastic/temporary coping engaging*

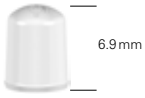
Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R

	NP	RP	RP Wide	WP
Snappy™ Abutment 5.5 1.5 mm	36684	36682	36689	37836
Snappy™ Abutment 5.5 3 mm	36688	36683	36690	37837

Included:
– *Clinical screw*
– *Impression coping*
– *Healing cap*
– *Plastic/temporary coping engaging*

** Collar heights differ depending on implant type and platform size.*

	NP	RP	Conical RP Wide	Conical WP
STERILE R Snappy™ Abutment 4.0 Healing Cap (cannot be used as a burn-out)	35992	 5.1 mm	35993	37840
Snappy™ Abutment 5.5 Healing Cap (cannot be used as a burn-out)	35950	 6.7 mm	35866	37845
STERILE R Snappy™ Abutment 4.0 Plastic/Temp Coping Engaging (can be used as a burn-out)	35986	 5.3 mm	35987	37838
Snappy™ Abutment 5.5 Plastic/Temp Coping Engaging (can be used as a burn-out)	35858	 6.9 mm	35859	37843
Snappy™ Abutment 4.0 Plastic/Temp Coping Non-Engaging (can be used as a burn-out)	35989	 5.1 mm	35990	37839
Snappy™ Abutment 5.5 Plastic/Temp Coping Non-Engaging (can be used as a burn-out)	35861	 6.9 mm	35862	37844
NON STERILE Snappy™ Abutment 4.0 Impression Coping	35995	35996 	35997	37841
Snappy™ Abutment 5.5 Impression Coping	35868	35869 	35870	37846
NON STERILE Snappy™ Abutment 4.0 Abutment Replica	35982	35983 	35984	37842
Snappy™ Abutment 5.5 Abutment Replica	35854	35855 	35856	37847

Universal Base

Versatile base for press-on techniques, wax-ups and CAD/CAM restorations

Optimized retention with a unique indexing feature.

Design flexibility with two margin heights.

Complete package with clinical screw and burn-out coping.

Laser marked for easy confirmation that you're using an original.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP	WP
Universal Base 1.5 mm	38213	38214	38215
Universal Base 3.0 mm	38216	38217	38218
Universal Base Burn-out Coping	38221	38221	38222

Burn-out coping and clinical screw included.

GoldAdapt™

Abutment for the "lost wax" casting technique

Indicated for both cement- and screw-retained restorations.

Burn-out cylinder for wax application.

Gold alloy base.

For single-unit (engaging) and multiple-unit (non-engaging) restorations.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0	NP	RP	WP
	3.0*	**NP**	**RP**	**WP**
GoldAdapt™ Engaging	36790	36728	36729	37849
GoldAdapt™ Non-Engaging	–	36726	36727	37848

Clinical screw included.

** Only for NobelActive 3.0.*

Multi-unit Abutment

For multiple-unit, screw-retained restorations

Short cone for limited interocclusal space.

Wide shoulder for easy positioning of the prosthetic restoration for a secure passive fit.

Each Multi-unit Abutment is delivered with a pre-mounted holder for easy handling, which doubles as a guide for checking abutment angulation.

Designed to accommodate fully and partially edentulous arches, particularly when using the All-on-4® treatment concept.

Available as straight and angled (17° and 30°), engaging and non-engaging, with a selection of collar heights.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R

	NP	RP	WP
17° Multi-unit Abutment 2.5 mm	36614	36618	37832
17° Multi-unit Abutment 3.5 mm	36615	36619	37833
30° Multi-unit Abutment 3.5 mm	36620	36622	–
30° Multi-unit Abutment 4.5 mm	36621	36623	–

Clinical screw included.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

STERILE R

	NP	RP	WP
Multi-unit Abutment 1.5 mm	36611	36616	37829
Multi-unit Abutment 2.5 mm	36613	36617	37830
Multi-unit Abutment 3.5 mm	36624	36625	37831
Multi-unit Abutment 4.5 mm	–	36626	–

Clinical screw included.

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection		
	NP	RP	WP
Abutment Screw Multi-unit Angled	36892	37893	37893
Prosthetic Screw Multi-unit	29285	29285	29285
Impression Coping Open Tray Multi-unit (includes 15 mm Guide Pin)	29089	29089	29089
Impression Coping Closed Tray Multi-unit	29090	29090	29090
Impression Coping Bar Closed Tray Multi-unit	29093	29093	29093
Healing Cap Multi-unit (1/pkg)	31145	31145	31145
Healing Cap Multi-unit (5/pkg)	29064	29064	29064
Healing Cap Wide Multi-unit (1/pkg)	31146	31146	31146

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection		
	NP	RP	WP
Temporary Coping Multi-unit Titanium (with Prosthetic Screw)	29046	29046	29046
Temporary Coping Multi-unit Plastic (without Prosthetic Screw) (cannot be used as a burn-out)	DCA 468-0	DCA 468-0	DCA 468-0
Abutment Replica Multi-unit (1/pkg)	31161	31161	31161
Abutment Replica Multi-unit (5/pkg)	29110	29110	29110
Guide Pin Multi-unit 10 mm (1/pkg)	31154	31154	31154
Guide Pin Multi-unit 10 mm (5/pkg)	29102	29102	29102
Guide Pin Multi-unit 20 mm (1/pkg)	31155	31155	31155
Guide Pin Multi-unit 20 mm (5/pkg)	29103	29103	29103

Note: Use Temporary Coping Multi-unit Plastic in the oral cavity for maximum 90 days.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP	WP
Lab Screw Multi-unit (5/pkg)	29287	29287	29287
Lab Screw Multi-unit Angled (1/pkg)	37896	37897	37897
Protection Analog Multi-unit (5/pkg)	29123	29123	29123
Gold Coping Multi-unit (with Prosthetic Screw) (1/pkg)	29043	29043	29043
Gold Coping Multi-unit (with Prosthetic Screw) (5/pkg)	29042	29042	29042
Gold Coping Bar Multi-unit (with Prosthetic Screw)	29045	29045	29045

Screwdrivers Multi-unit

Screwdriver Manual Multi-unit 25 mm	29156
Screwdriver Manual Multi-unit Br nemark System® WP 25 mm	29157
Screwdriver Machine Multi-unit 21 mm	29158
Screwdriver Machine Multi-unit Br nemark System® WP 20 mm	29159

Narrow Profile Abutment

For limited interdental space

For single-unit, cement-retained restorations.

Minimized diameter for limited interdental space.

Modification of abutment is possible for optimized restorative outcome.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0*	NP	RP
Narrow Profile Abutment 7 mm	36781	36678	36680
Narrow Profile Abutment 9 mm	36780	36679	36681

Clinical screw included.

** Only for NobelActive 3.0.*

Locator® Abutment

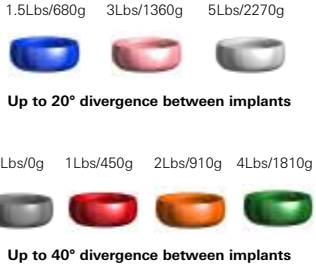
Efficient solution for the secure attachment of overdentures

For multiple-unit and full-arch restorations.

Allows for divergent implant angles of up to 40 degrees.

Multiple heights for varying tissue levels.

Simple nylon "male" attachments are color-coded for retention and degree of divergence.



Up to 20° divergence between implants

Up to 40° divergence between implants

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection	
	NP	RP
Locator® Abutment 1.0 mm	1.0 mm REF 02069	REF 02075
Locator® Abutment 2.0 mm	2.0 mm REF 02070	REF 02076
Locator® Abutment 3.0 mm	3.0 mm REF 02071	REF 02077

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection	
	NP	RP
Locator® Abutment 4.0 mm	4.0 mm REF 02072	REF 02078
Locator® Abutment 5.0 mm	5.0 mm REF 02073	REF 02079
Locator® Abutment 6.0 mm	6.0 mm REF 02074	REF 02080

Analogs / Replicas

Locator® Female Analog ∅ 4 mm 4/pkg	REF08530
Locator® Female Analog ∅ 4 mm 20/pkg	REF08530-20
Locator® Female Analog ∅ 5 mm 4/pkg	REF08516
Locator® Female Analog ∅ 5 mm 20/pkg	REF08516-20

Locator Males – up to 20° divergence between implants

Locator® Extra Light Retention Replacement Male 1.5Lbs/680g (blue) (4/pkg)	REF08529
Locator® Extra Light Retention Replacement Male 1.5Lbs/680g (blue) (20/pkg)	REF08529-20
Locator® Light Retention Replacement Male 3Lbs/1360g (pink) (4/pkg)	REF08527
Locator® Light Retention Replacement Male 3Lbs/1360g (pink) (20/pkg)	REF08527-20
Locator® Replacement Male 5Lbs/2270g (clear) (4/pkg)	REF08524
Locator® Replacement Male 5Lbs/2270g (clear) (20/pkg)	REF08524-20

Locator Males – up to 40° divergence between implants

Locator® Zero Retention Extended Range Male 0Lbs/0g (gray) (4/pkg)	REF08558
Locator® Zero Retention Extended Range Male 0Lbs/0g (gray) (20/pkg)	REF08558-20
Locator® Extra Light Extended Range Male 1Lbs/450g (red) (4/pkg)	REF08548
Locator® Extra Light Extended Range Male 1Lbs/450g (red) (20/pkg)	REF08548-20
Locator® Light Extended Range Male 2Lbs/910g (orange) (4/pkg)	REF08915
Locator® Light Extended Range Male 2Lbs/910g (orange) (20/pkg)	REF08915-20
Locator® Extended Range Replacement Male 4Lbs/1810g (green) (4/pkg)	REF08547
Locator® Extended Range Replacement Male 4Lbs/1810g (green) (20/pkg)	REF08547-20

Locator® Black Process Replacement Male (4/pkg)	REF08515
Locator® Black Process Replacement Male (20/pkg)	REF08515-20

Processing

Locator® Impression Coping 4/pkg	REF08505
Locator® Impression Coping 20/pkg	REF08505-20
Locator® Male Processing Pkg (2/pkg)	REF08519-2
Locator® Male Processing Pkg (10/pkg)	REF08519-10
White Block Out Spacer 20/pkg	REF08514

Tooling

Locator® Parallel Post 4/pkg	REF08517
Angle Measurement Guide	REF09530
Locator® Latch Type Torque Wrench Driver 23 mm	REF08913
Locator® Latch Type Torque Wrench Driver 29 mm	REF08914
Locator® Core Tool*	REF08393
Locator® Male Removal Tool (new tip only)	REF08397
Locator® Abutment Driver (gold end only)	REF08390

Gold Abutment Bar / Gold Coping Bar

Facilitates the soldering of a connecting bar for bar-retained overdentures

Minimized height supports low-profile bar-retained overdentures.

For implant- and abutment-level restorations.

Unique components designed for optimized impression taking and lab preparation.

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP	WP
Gold Coping Bar Multi-unit (Prosthetic screw included)	 29045	29045	29045

Clinical and laboratory screws

		Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection				
		3.0	NP	RP	WP	
For zirconia restorations		**3.0***	**NP**	**RP**	**WP**	**Screwdrivers****
Procera Esthetic Abutment Zirconia and NobelProcera Abutment Zirconia 	Clinical screws	–	37891	37892	–	Unigrip Screwdriver
NobelProcera Implant Bridge Zirconia 	Clinical screws	–	37891	37892	37892	Unigrip Screwdriver
NobelProcera ASC (angulated screw channel) Abutment and FCZ (full-contour zirconia) Crown 	Omnigrip clinical screws	–	37367	37606	37606	Omnigrip Screwdriver
	Omnigrip laboratory screws	–	37374	37607	37607	Omnigrip Screwdriver
For titanium restorations		**3.0***	**NP**	**RP**	**WP**	**Screwdrivers****
Temporary Abutment Titanium and Plastic 	Clinical screws	Max 15 Ncm				
Esthetic Abutment and NobelProcera Abutment Titanium 	Clinical screws	37890	37891	37892	37892	Unigrip Screwdriver
Snappy Abutment 	Laboratory screws					
GoldAdapt Engaging 	Laboratory screws	36805	37894	37895 (5/pkg)	37895 (5/pkg)	Unigrip Screwdriver
Narrow Profile Abutment 	Laboratory screws					
NobelProcera Implant Bridge Titanium 	Laboratory screws					
NobelProcera Implant Bar 	Laboratory screws					

Note: For the correct torque values, see Torque guide on page 102.

** Only for NobelActive 3.0*

*** For article numbers see page 96 in section Instruments and machinery.*

Impression copings

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

Impression Copings Closed Tray	3.0*	NP	RP	WP
Impression Coping Closed Tray Ø 3.3 mm	–	36801	–	–
Impression Coping Closed Tray Ø 3.6 mm	–	36538	36540	–
Impression Coping Closed Tray Ø 3.8 mm	36803	–	–	–
Impression Coping Closed Tray Ø 5 mm	–	36539	36542	37850
Impression Coping Closed Tray Ø 6 mm	–	–	36544	–
Impression Coping Closed Tray Ø 6.5 mm	–	–	–	37852

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

Impression Copings Closed Tray Low Profile	NP	RP	WP
Impression Coping Closed Tray Low Profile Ø 3.6 mm	–	36541	–
Impression Coping Closed Tray Low Profile Ø 5 mm	–	36543	37851
Impression Coping Closed Tray Low Profile Ø 6 mm	–	36545	–
Impression Coping Closed Tray Low Profile Ø 6.5 mm	–	–	37853

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	NP	RP	WP
Impression Coping Bridge Open Tray	36930	36931	37858

** Only for NobelActive 3.0*

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

Impression Copings Open Tray	3.0*	NP 10 mm	NP 14 mm	RP 10 mm	RP 14 mm	WP 10 mm	WP 14 mm
Impression Coping Open Tray ∅ 3.2 mm	36800	–	–	–	–	–	–
Impression Coping Open Tray ∅ 3.6 mm	–	36258	36260	36263	36262	–	–
Impression Coping Open Tray ∅ 3.8 mm	36802	–	–	–	–	–	–
Impression Coping Open Tray ∅ 5 mm	–	36259	36261	36265	36264	37855	37854

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

Impression Copings Open Tray	3.0	NP 10 mm	NP 14 mm	RP 10 mm	RP 14 mm	WP 10 mm	WP 14 mm
Impression Coping Open Tray ∅ 6 mm	–	–	–	36267	36266	–	–
Impression Coping Open Tray ∅ 6.5 mm	–	–	–	–	–	37857	37856

Implant replicas

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0*	NP	RP	WP
Implant Replica	36791	36697	36698	37879

Try-in abutments

	Internal conical connection NobelActive®, NobelParallel™ and NobelReplace® Conical Connection	
	NP	RP
		
Try-in Abutments	35676	35676

Try-in Abutment Kit Box	32429
NobelReplace® Try-in Abutment Kit	32414

NobelActive® Try-in Abutment Kit 35676

(The articles below can also be purchased separately.)

Kit includes

Try-in Kit Box	35389
Try-in Snappy Abutment	
4.0 NP 1.5 mm	35363
4.0 NP 3.0 mm	35364
4.0 RP 1.5 mm	35378
4.0 RP 3.0 mm	35379
5.5 RP 1.5 mm	35380
5.5 RP 3.0 mm	35381
Try-in Esthetic Abutment	
NP 1.5 mm	35357
NP 3.0 mm	35358
15° NP 1.5 mm	35359
15° NP 3.0 mm	35360
RP 1.5 mm	35372
RP 3.0 mm	35373
15° RP 1.5 mm	35374
15° RP 3.0 mm	35375
Try-in Narrow Profile Abutment	
NP 7.0 mm	35361
NP 9.0 mm	35362
RP 7.0 mm	35376
RP 9.0 mm	35377
Try-in Multi-unit Abutment	
NP 1.5 mm	35365
NP 2.5 mm	35366
NP 3.5 mm	35367
17° NP 2.5 mm	35368
17° NP 3.5 mm	35369
30° NP 3.5 mm	35370
30° NP 4.5 mm	35371
RP 1.5 mm	35382
RP 2.5 mm	35383
RP 3.5 mm	35384
RP 4.5 mm	35445
17° RP 2.5 mm	35385
17° RP 3.5 mm	35386
30° RP 3.5 mm	35387
30° RP 4.5 mm	35388
Guide Pins	
Implant Level NP 20 mm	37898
Implant Level RP 20 mm	37899

** Only for NobelActive 3.0*

Individualized CAD/CAM prosthetics – NobelProcera®

Innovations, not imitations – NobelProcera® restorations

No one knows industrially produced CAD/CAM like we do. Nobel Biocare was the first to produce restorations in this way. Over 30 years and more than 11 million units later, NobelProcera remains a leader in the precision engineering and manufacturing of medical device restorations.

Precision-manufacturing at its best

Nobel Biocare products and solutions aspire to give patients functional and natural-looking tooth restorations to last a lifetime. We approach the development of each new product with advanced engineering, thorough verification, validation and specialized manufacturing strategies and tooling. The results of these efforts are a consistent precision of fit and exceptional product quality.

The NobelProcera System combines precision scanning and intuitive design, extensive services and high-end industrial production.

Discover more at nobelbiocare.com/nobelprocera

From single-unit to full-arch restorations – Nobel Biocare offers the full range of screw- and cement-retained solutions.

Perfect fit is essential

The NobelProcera interface is designed for a precise fit between abutment and implant. Although not visible to the naked eye, mismatching components lead to uncontrolled peak loads on the implant collar, which may cause implants to fracture. Micro gap measurements confirm that Nobel Biocare produces restorations with a perfect fit, be it on Nobel Biocare or on other major implant systems.*

NobelProcera Abutments for other implant systems

Scientific evaluations consistently demonstrate the high quality of NobelProcera products. These investigations show that NobelProcera Abutments on non-Nobel Biocare implants also provide excellent abutment seating and a comparable rotational play.

Get peace of mind with our extensive warranty

The homogeneity of materials and centralized industrial manufacturing guarantee high product quality with long-term clinical performance and patient satisfaction. In case of material breakage and defects, NobelProcera restorations are backed by a comprehensive 5-year product warranty.**

Open Access to NobelProcera restorations with 3Shape®

Access original NobelProcera Abutments and Implant Bridges for Nobel Biocare implants using a 3Shape Dental System™. Receive further flexibility accepting intra-oral scan data from TRIOS® and iTero® or offer NobelProcera precision-manufactured restorations also on other major implant systems.

For more information on Open Access and the required components, visit nobelbiocare.com/openaccess or contact your local Nobel Biocare representative.

NobelProcera Production – dental milling for unrivaled restorations.

Thorough quality controls ensure that NobelProcera restorations are ready-to-use.

openaccess NobelProcera®

*Nobel Biocare uses an external accredited institute for production of cross-sections and micro gap measurement (SEM).
** For details see Warranty Program on page 113.

Effective in every way – NobelProcera® Abutments, ASC Abutments and FCZ Implant Crowns

Full-contour, full strength
Access translucent high-strength zirconia in eight shades to create full-contour implant crowns.

No cement, no chipping
Reduce risks and complications with a 100% cement-free and full-contour solution.

NobelProcera FCZ (full-contour zirconia) Implant Crown – no cement, no chipping, no problems.

NobelProcera ASC (angulated screw channel) Abutment – esthetics from a new angle.

Restorative flexibility with angulated screw channel
Place cement-free screw-retained crowns without compromising esthetics or occlusal function.

Easy handling
Work quickly and safely with the pick-up function and secure hold of the Omnigrip Screwdriver, and access cases in the posterior easily.

Veneered NobelProcera ASC Abutment with Omnigrip tooling. Case courtesy of Dr. Stefan Holst, Germany and Luc and Patrick Rutten, Belgium

NobelProcera® Abutments		NobelProcera® ASC Abutments	NobelProcera® FCZ Implant Crown
Titanium	Shaded zirconia	Shaded zirconia	Full-contour zirconia
	white light medium intense 	white light medium intense 	S0 S1 S2 S3 S4 S5 S6 S7 

Complete portfolio – NobelProcera® fixed and fixed-removable implant restorations

Precise fit on over 180 implant platforms
Ensure a passive fit with CAD/CAM manufactured restorations using the NobelProcera System. Access over 180 implant platforms with our scan and design service.

Fixed restorations
Offer a solution that feels like natural teeth. Fixed solutions provide stability, retention and comfort. The biocompatible materials and excellent surface finish optimally support the soft tissue.

Titanium implant substructure such as the NobelProcera Hybrid – to wrap-around acrylic and teeth.

Screw-retained zirconia or titanium implant bridges from 2 to14 units at implant or Multi-unit Abutment level for direct veneering.

Wide variety of implant bars and attachment types to suit every patient's needs.

Fixed-removable restorations
Maximize your restorative flexibility. The full range of bar types allows you to ensure the optimal solution for all clinical situations. Place different retentive elements anywhere on the bar for optimal retention of the overdenture.

Fixed implant restorations		Fixed-removable implant restorations
Implant bridge	**Wrap-around Bar, Montreal Bar, Hybrid**	**Dolder® Bar, Hader Bar, Round Bar, Free Form Milled Bar, Paris Bar**
		
Titanium and shaded zirconia	Titanium	Titanium

Fixed implant restorations

Type	Clinical example	Shape
Wrap-around Bar		
Montreal Bar		
Montreal Bar with Metallic Lingual		
Hybrid		
Implant bridge titanium		
Implant bridge zirconia		

Fixed-removable implant restorations

Type	Clinical example	Shape	Attachment type
Dolder® Bar		Micro  Macro  Micro-Resilient  Macro-Resilient 	Gold Rider (Cendres & Métaux) – Macro – Micro – Resilient
Hader Bar			– Nylon clip with metal sleeve
Round Bar			– Nylon clip with metal sleeve – Gold Rider (Cendres & Métaux)
Free Form Milled Bar		 Independent angulations of 0–10° for lingual and buccal walls	– TSB Ball ∅ 2.5 mm – OSO™ Ball ∅ 2.0 mm – Dalbo® Plus Ball 2.25 mm – Bredent™ Ball ∅ 2.2 mm – Locator® – Anchor M3 (Servo Dental)
Paris Bar			– TSB Ball ∅ 2.5 mm – OSO™ Ball ∅ 2.0 mm – Dalbo® Plus Ball 2.25 mm – Bredent™ Ball ∅ 2.2 mm – Locator®

Attachment types for fixed-removable implant restorations

Indication	Name of item	Accessory components available from*
Retaining element for partial dentures on implants and/or implant bars**	Ball ∅ 2.5 mm compatible with TSB Metal Housing compatible with TSB 	Nobel Biocare
	Retentive Cap White compatible with TSB 	Rhein 83 www.rhein83.com
	Ball ∅ 2.0 mm compatible with OSO™ (Retentive caps not included, please order separately from Preat Corporation) 	Nobel Biocare
	Ball ∅ 2.25 mm compatible with Dalbo®-Plus 	Nobel Biocare
	Dalbo®-Plus elliptic 	Cendres & Métaux www.cmsa.ch
	Ball ∅ 2.2 mm compatible with Bredent™ (Retentive caps not included, please order separately from Bredent™)  Metal Housing compact + Bredent™ Occlusal (Retentive caps not included, please order separately from Bredent™) 	Nobel Biocare
	Attachment compatible with Anchor System M3 	Nobel Biocare
	Metal Housing Anchor System M3  Rigid Retention Anchor System M3 	Servo Dental www.servo-dental.de
	Zest® Anchor Bar Locator®  Zest® Anchor Bar Cap 	Zest Anchors Inc www.zestanchors.com

Indication	Name of item	Accessory components available from*
Adjustable bar attachment for removable prosthetics on implant bars (gold alloy or acrylic friction inserts)	Gold Rider Dolder® Macro Gold Rider Dolder® Micro 	Cendres & Métaux www.cmsa.ch
	Gold Rider Dolder® Round Bar 	Cendres & Métaux www.cmsa.ch
	Metal Housing Hader  Hader Clip Plastic (yellow) 	Servo Dental www.servo-dental.de

** Screwdrivers and placing instruments to be ordered separately from original manufacturer.*
*** All attachments are threaded as they are screw-retained.*

Excellent esthetics and biocompatibility – NobelProcera® Crowns and Bridges

Restorative flexibility

Biocompatible materials in a broad range covering ceramics and metals in various restorative concepts, from copings to bridge frameworks and full-contour crowns to temporary full-contour bridges.

Less chipping

Reduce the risk of porcelain chipping with CAD designed restorations, enabling a uniform veneering thickness.

Precision of fit

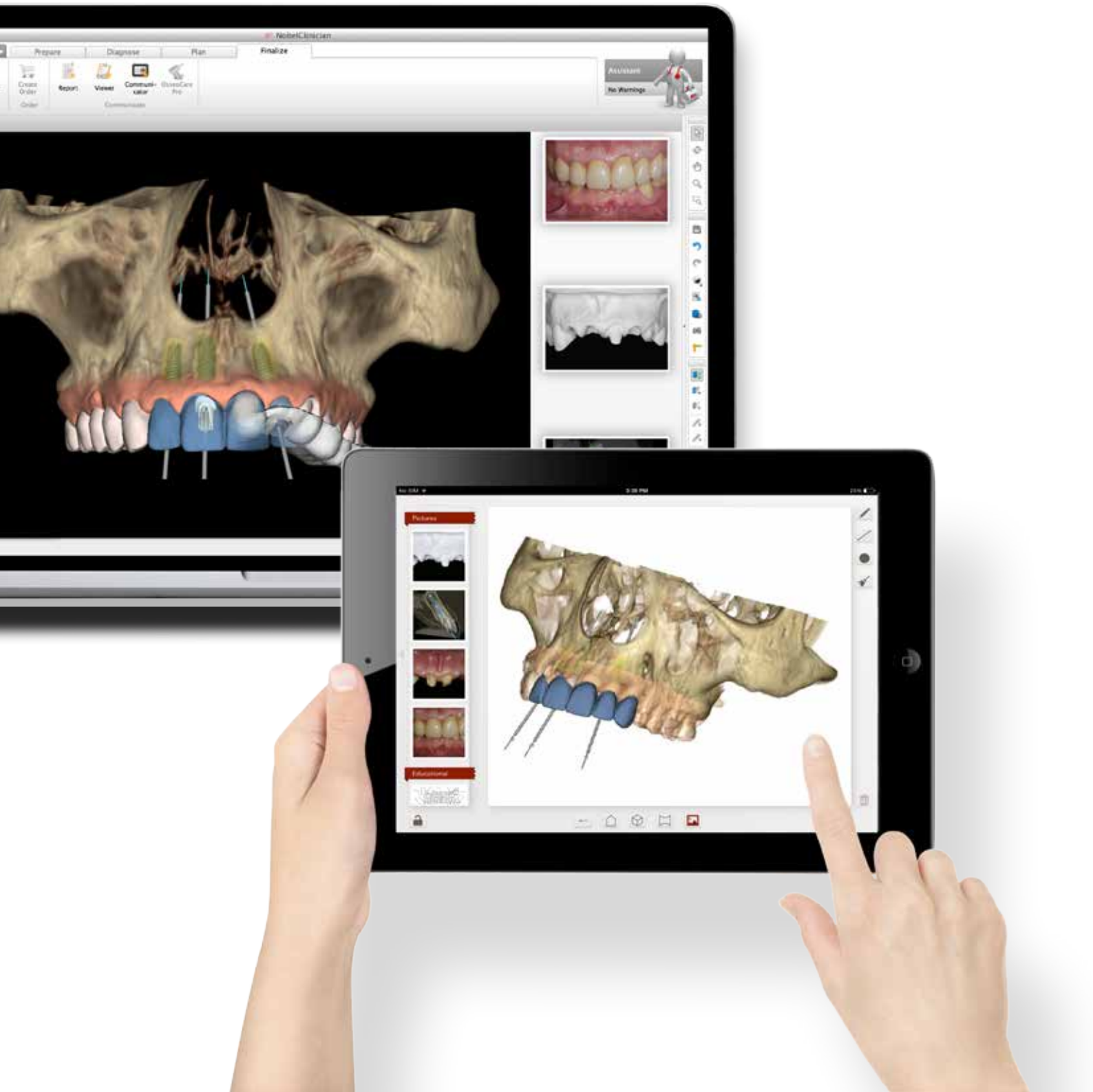
Advanced centralized industrial manufacturing produces high strength frameworks with consistent marginal fit.

Available materials

Telio® CAD by NobelProcera® – A1, A2, A3, A3.5, B1, BL3	Shaded zirconia: white, light, medium, intense	IPS e.max® by NobelProcera® (in 20 shades)	Titanium	Base Metal Alloy Cobalt Chromium
				

Digital treatment planning

NobelClinician®



NobelClinician® – the key to successful treatments

Experience a truly visual way to achieve optimized treatment results. NobelClinician is a user-friendly solution for diagnostics, treatment planning and patient communication, utilizing state-of-the-art technologies to help dental professionals improve all aspects of dental implant treatment.

Predict treatment outcomes

Avoid surprises during the treatment process through careful diagnosis and treatment planning. Estimate the cost before starting the procedure.

Gain more treatment acceptance

Effectively communicate with your patients and explain your planned treatment convincingly with the NobelClinician Communicator iPad® app. Available on the Apple® App Store.

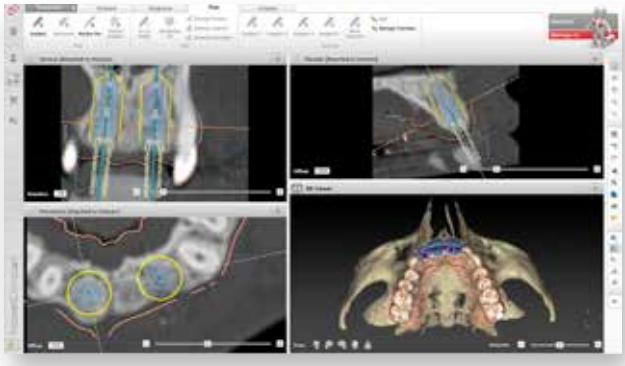
Rely on optimized visualization from start

– Evaluate your patient scan in the quick overview and inspect 3D (CB)CT data in detail.
– Several clinically relevant pre-defined workspaces available.

Plan implants with confidence

Plan implant treatments, based on the patient's anatomy and prosthetic requirements, taking both surgical and prosthetic information into account.

Panoramic workspace



(CB)CT scan with NobelProcera scan – SmartFusion technology

Guided surgery - NobelGuide® Regiter ekle

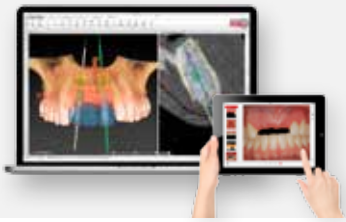
A seamless workflow for every case

NobelGuide is a complete treatment concept for prosthetic-driven treatment planning and guided implant surgery. Since every case you have is different, NobelGuide offers you two treatment workflows. Which one you choose depends on the indication. Treating a partially edentulous patient? Then save time by avoiding the use of a radiographic guide, and therefore an additional patient visit. Choose to switch to guided surgery at any point in the process. For your edentulous patients, choose the radiographic guide with a double-scan protocol. Though the workflow varies, the concept and predictability remain the same.

Partially edentulous patients

Clinical diagnostics and treatment acceptance
Examine your patient and critical anatomical structures with the NobelClinician Software. Take a definitive impression. Obtain treatment acceptance before making further investments.

Digitizing prosthetic information
Collaborate with your lab technician and capture the soft tissue using the NobelProcera 2G System's precise model scan. Choose whether to include the diagnostic tooth setup.

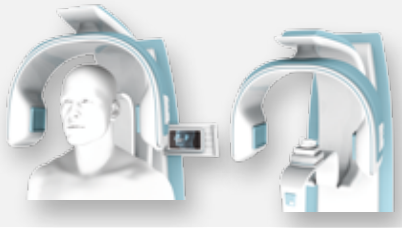


Treatment planning and patient communication
Visualize the patient's (CB)CT data together with the intra-oral situation, including the soft tissue and the diagnostic setup with NobelClinician's SmartFusion™ technology. Effectively communicate with your patients and explain your planned treatment convincingly with the NobelClinician Communicator iPad® app.

Edentulous patients

Clinical diagnostics
Examine the patient. Take an impression for study models and later for the master cast.

Diagnostic tooth setup and fabrication of radiographic guide
Fabricate and clinically validate the diagnostic tooth setup. Transform the tooth setup into a radiographic guide – your prosthetic reference during your planning.



Digitization with (CB)CT scan
Make a (CB)CT scan of the patient and the radiographic guide, following the double-scan protocol.

Clinical pictures courtesy of University Clinic for Reconstructive Dentistry, Basel, Switzerland and Dr. Armando Lopes, Portugal.

Discover more at nobelbiocare.com/nobelguide

Guided surgery

Choose guided drilling and implant insertion using a custom-manufactured surgical template based upon the treatment plan. Select either guided pilot drilling or fully guided implant insertion.

Restoration

It's your decision: Choose between immediate loading of a provisional restoration on the day of surgery, and delayed loading.

Treatment planning and communication

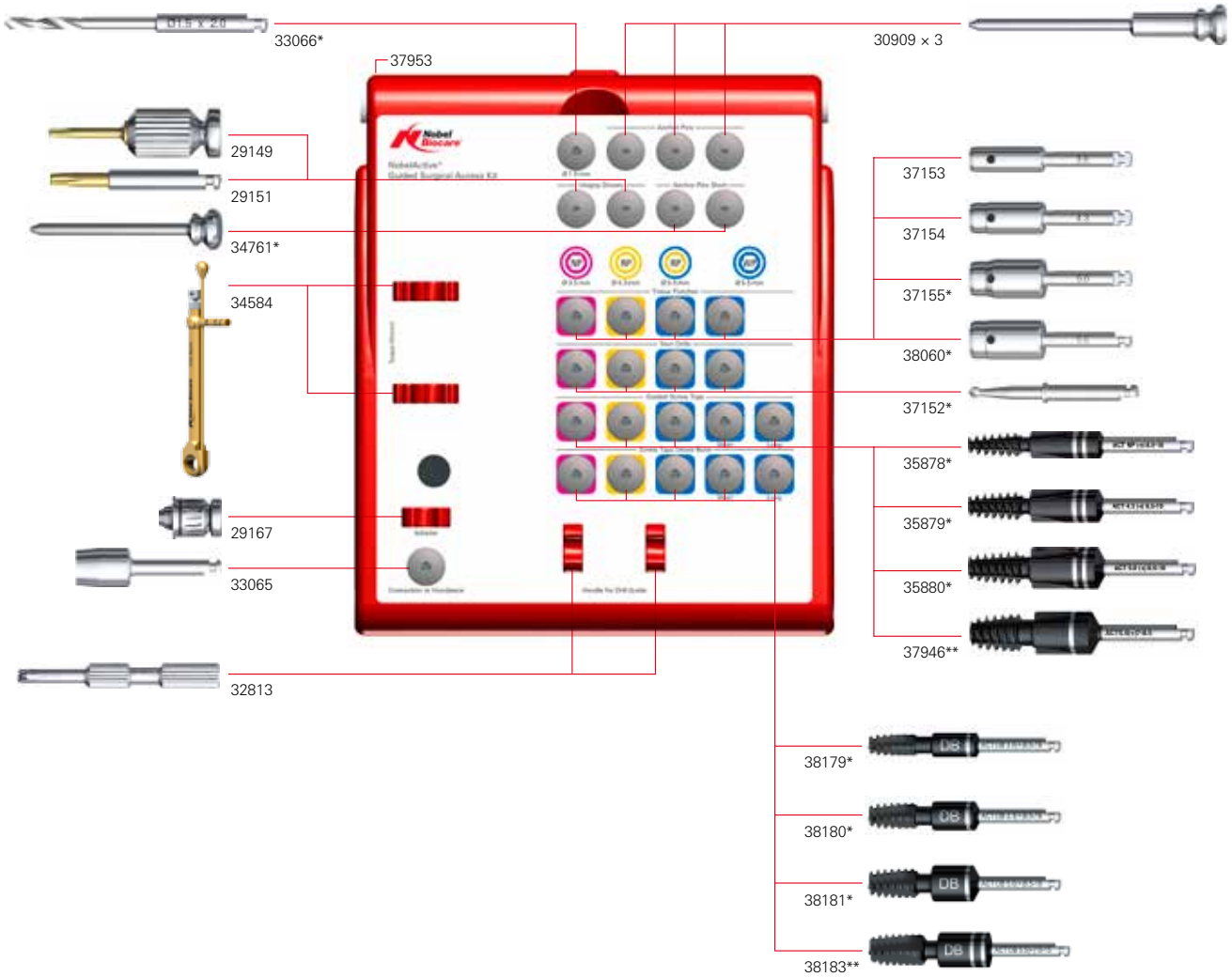
Define implant positions from a clinical, anatomical and prosthetic perspective, by combining tooth setup with patient anatomy. Effectively communicate with your patients and explain your planned treatment convincingly with the NobelClinician Communicator iPad® app.

Guided surgery

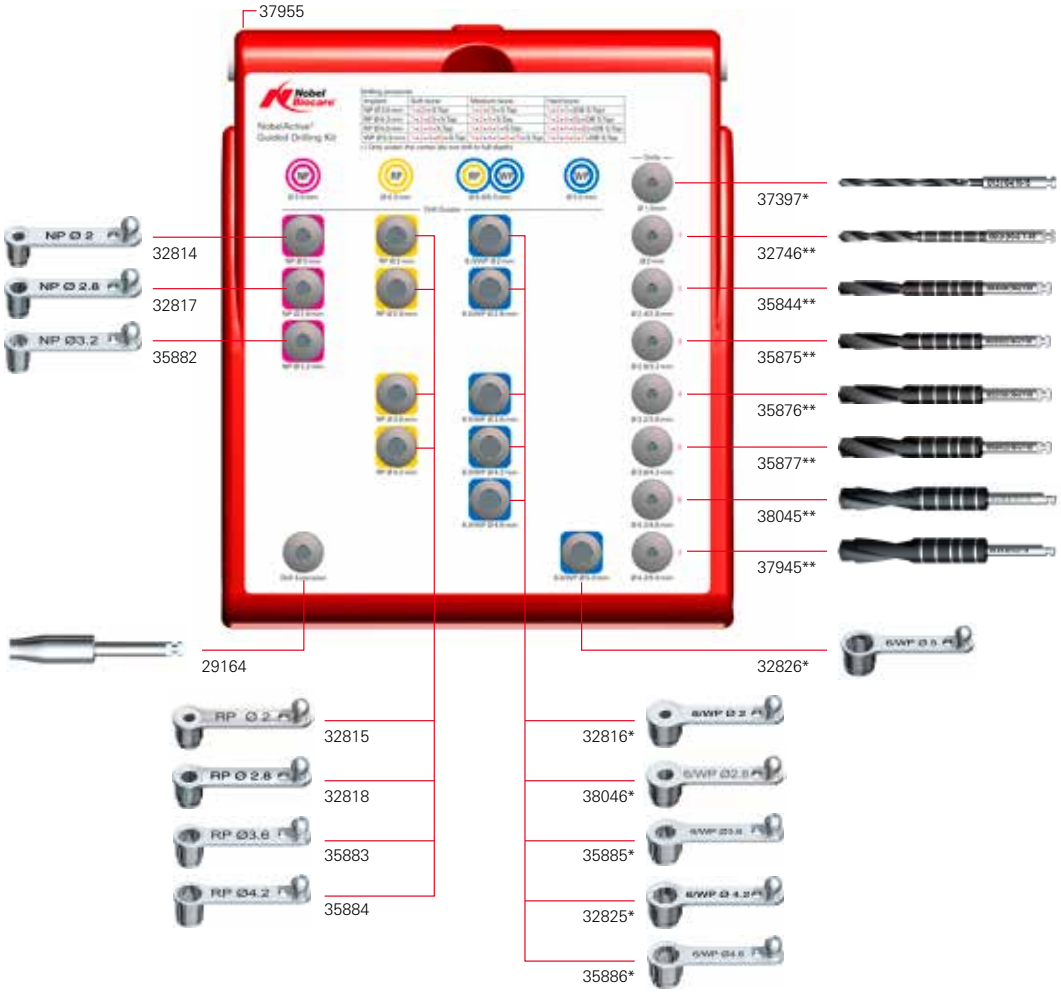
Go for guided drilling and implant insertion using a custom-manufactured surgical template based upon the treatment plan.

NobelActive® – surgery kits

37952 NobelActive® Guided Surgery Kit
Includes instruments for NP and RP 4.3 implants.



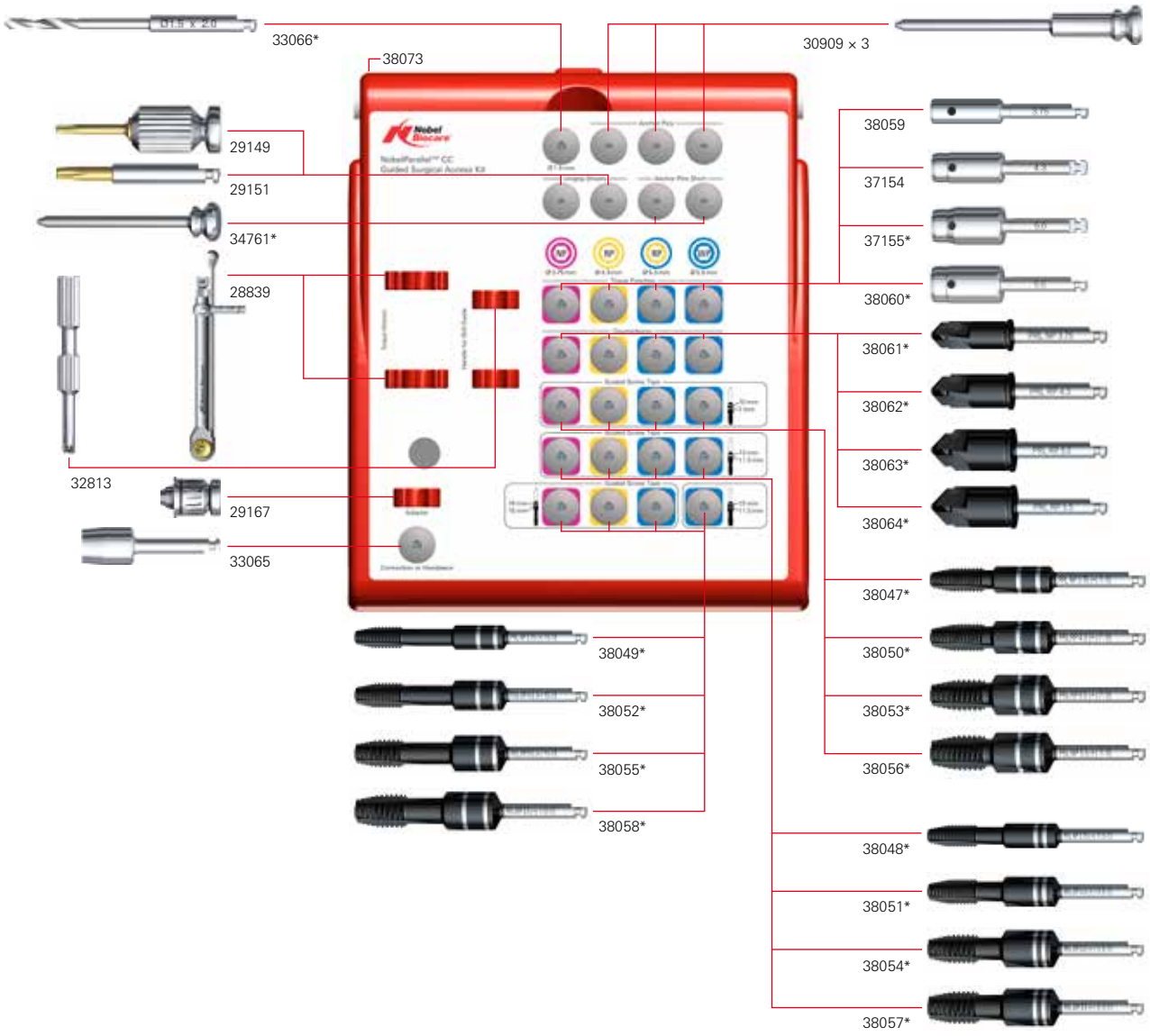
** Article not included in this kit.*
*** Article not included in this kit and also available in other lengths.*



** Article not included in this kit.*
*** Article not included in this kit and also available in other lengths.*

NobelParallel™ Conical Connection – surgery kits

38072 NobelParallel™ Conical Connection Guided Surgery Kit
Includes instruments for NP and RP 4.3 implants.



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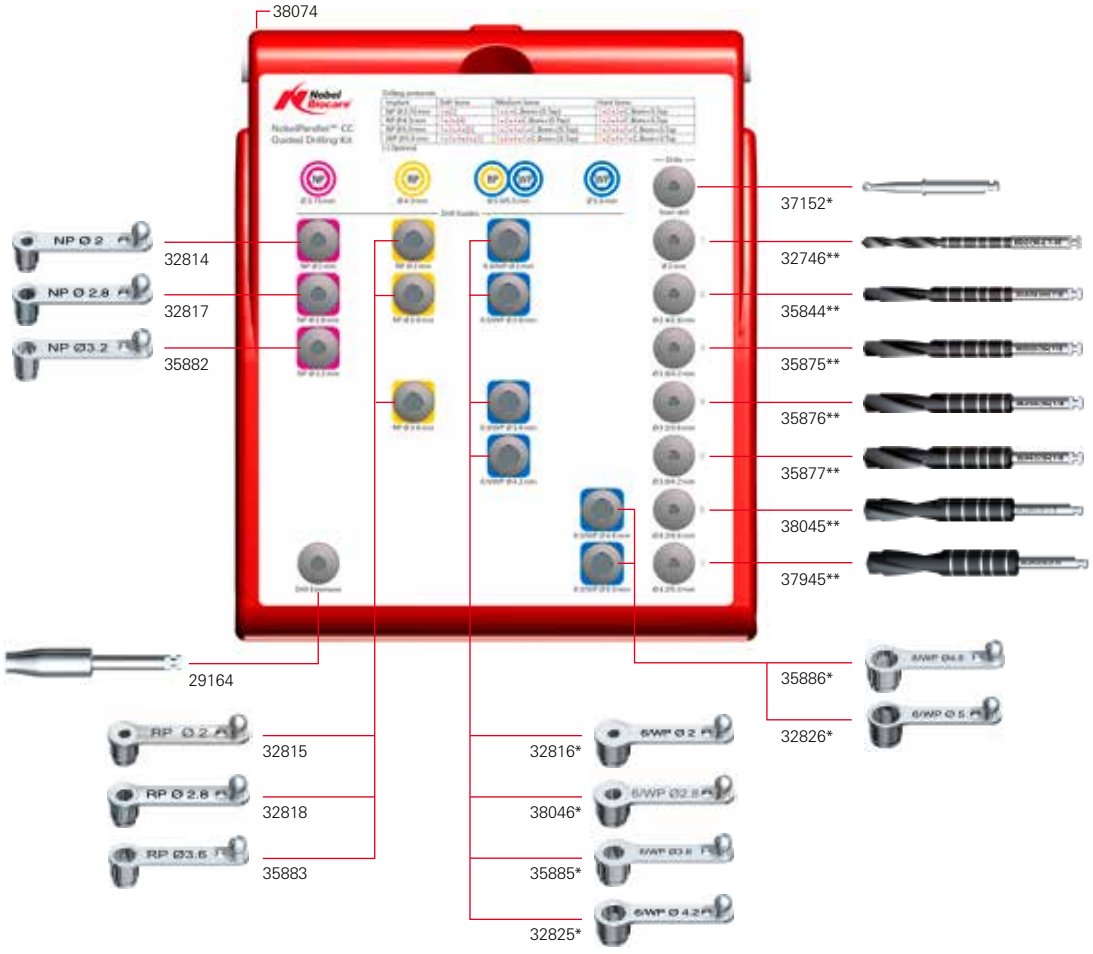
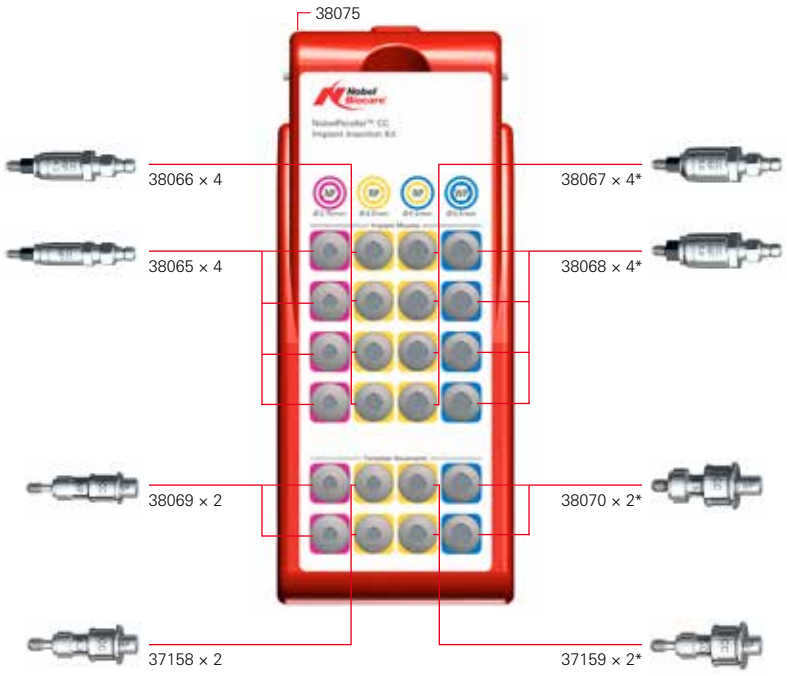


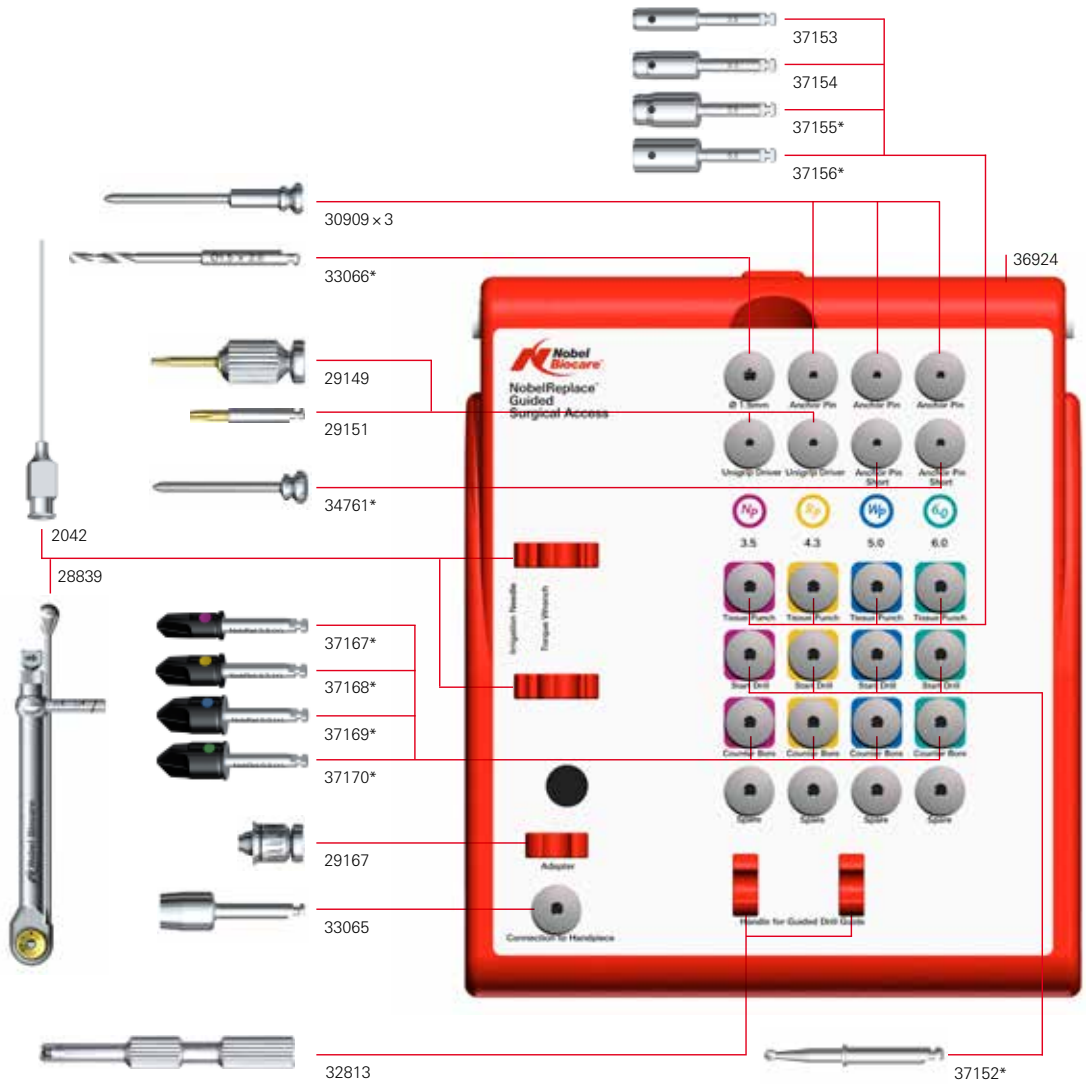


** Article not included in this kit.*
*** Article not included in this kit and also available in other lengths.*

Surgery kits

37178 NobelReplace® Tapered Guided Surgery Basic Kit

– Includes instruments to perform implant surgery for NP and RP platforms.
– For NobelReplace Tapered, Replace Select Tapered, NobelReplace Conical Connection and NobelReplace Platform Shift.



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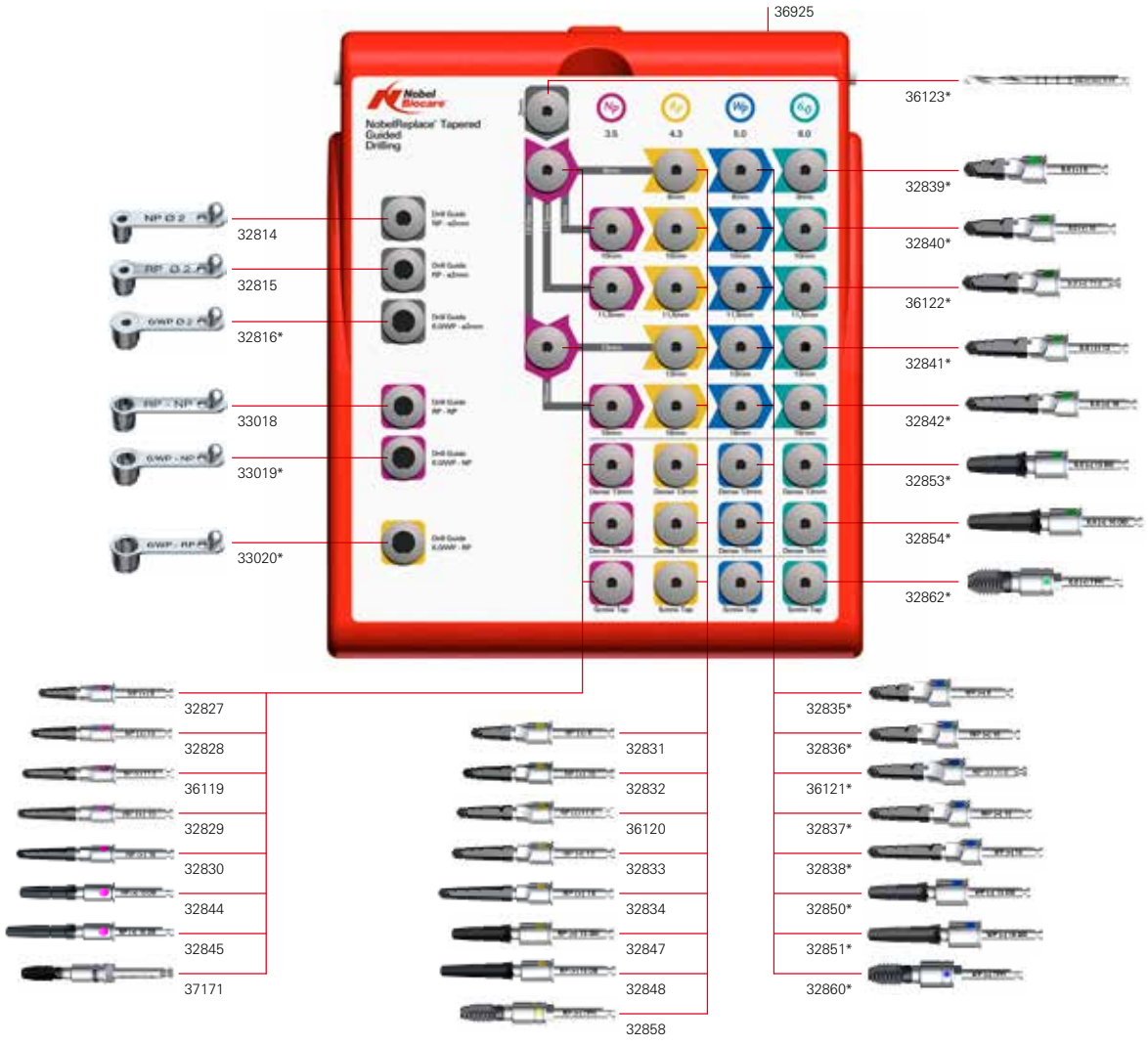
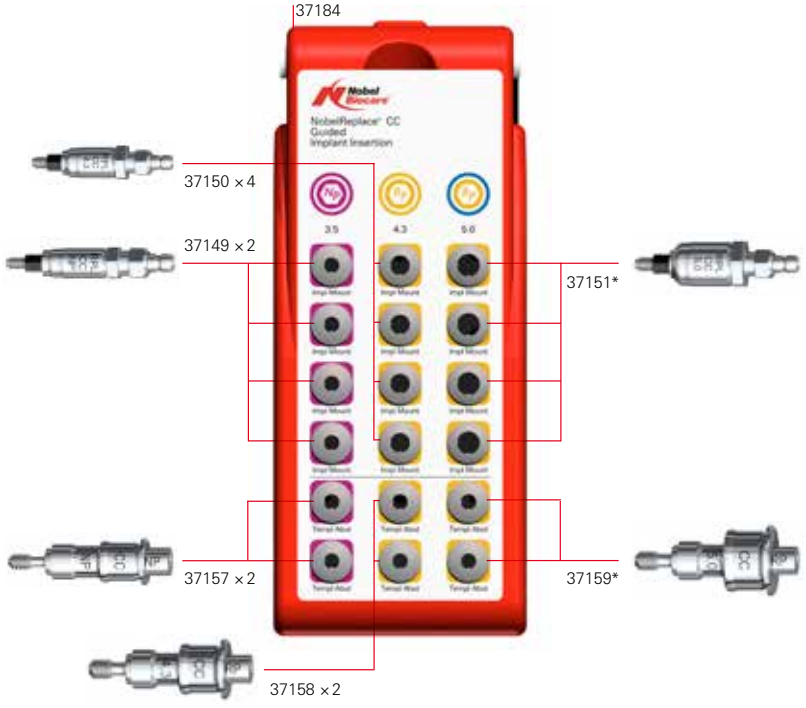


37181 NobelReplace® Conical Connection Guided Implant Insertion Kit



** Article not included in this kit.*

Instruments and machinery

Surgical instruments and accessories

Flapless Surgery Kit 32304

(The articles below can also be purchased individually.)

Kit includes	
Flapless Surgery Kit Box	32317
Tissue Punch NP	29628
Tissue Punch RP	29629
Tissue Punch WP	29630
Tissue Punch ∅ 6	32672
Tissue Punch Guide NP	29631
Tissue Punch Guide RP	29632
Tissue Punch Guide WP	29633
Tissue Punch Guide ∅ 6	32673
Drill Guide NP	29634
Drill Guide RP	29635
Drill Guide WP	29636
Drill Guide 6.0	32674
Spare Kit Box	32310

Soft Tissue Punches

Soft Tissue Punch ∅ 4.1 mm, 5-pack	32Z2000
Soft Tissue Punch ∅ 5.2 mm, 5-pack	32Z2002
Soft Tissue Punch ∅ 6.2 mm, 5-pack	32Z2004

Periotome Set 30044

(The articles below can also be purchased individually.)

Kit includes	
Handle	30045
P-1 Blade	30046
P-2 Blade	30047
P-3 Blade	30048

Osteotome Kit 32321

(The articles below cannot be purchased individually.)

Kit includes
Osteotome kit box
Osteotome ∅ 2.5
Osteotome ∅ 3
Osteotome ∅ 3.5
Osteotome ∅ 4
Osteotome ∅ 4.5
Osteotome ∅ 5

Manual Torque Wrenches Surgical

NobelActive® Manual Torque Wrench Surgical	34584*
NobelReplace® Manual Torque Wrench Surgical	28839*
Manual Torque Wrench Adapter Surgical	28840
Br nemark System® Manual Torque Wrench Surgical	32110*
Br nemark System® Manual Torque Wrench Adapter Surgical	32111

Miscellaneous surgical components

Direction Indicator ∅ 2/∅ 2.4–2.8 mm	32112
Drill Extension Shaft	29164
Depth Probe	32948
All-on-4® Guide	32068
Forceps	DIB 034-0
Surgical Driver	32180
Implant/Prosthetic Organizer	29532
Implant Sleeve Holder	29543

Surgical Drape Kit 2-pack	12T7400

** Including corresponding adapter.*

Prosthetic instruments and accessories

Manual screwdrivers Unigrip™ and Omnigrip™

Screwdriver Manual Unigrip™ 20 mm	29148
Screwdriver Manual Unigrip™ 28 mm	29149
Screwdriver Manual Unigrip™ 36 mm	29150
Omnigrip™ Screwdriver Manual 20 mm	37376
Omnigrip™ Screwdriver Manual 28 mm	37377
Omnigrip™ Screwdriver Manual 36 mm	37378

Machine screwdrivers Unigrip™ and Omnigrip™

Screwdriver Machine Unigrip™ 20 mm	29151
Screwdriver Machine Unigrip™ 25 mm	29152
Screwdriver Machine Unigrip™ 30 mm	29153
Screwdriver Machine Unigrip™ 35 mm	29154
Omnigrip™ Screwdriver Machine 20 mm	37379
Omnigrip™ Screwdriver Machine 25 mm	37380
Omnigrip™ Screwdriver Machine 30 mm	37381
Omnigrip™ Screwdriver Machine 35 mm	37382
Handle for Machine Instruments	29161

Manual Torque Wrench Prosthetic

Manual Torque Wrench Prosthetic	29165*
Manual Torque Wrench Adapter Prosthetic	29167

Prosthetic Kit 37448

(The articles below can also be purchased individually.)

Kit includes	
Screwdriver Machine Unigrip™ 20 mm	29151
Screwdriver Machine Unigrip™ 30 mm	29153
Screwdriver Machine Multi-unit 21 mm	29158
Omnigrip™ Screwdriver Machine 20 mm	37379
Omnigrip™ Screwdriver Machine 30 mm	37381
Manual Torque Wrench Prosthetic	29165

** Including corresponding adapter.*

Protection Analogs

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0	NP	RP	WP
				
5/pkg	36804	36730	36731	37880

Handle for Protection Analogs	29122

Guide Pins Implant Level

Internal conical connection
NobelActive®, NobelParallel™ and NobelReplace® Conical Connection

	3.0	NP	RP	WP
				
20 mm	36792	37898	37899	37899
				
30 mm	–	–	37900	37900

Procera® Preparation Kit	32717

Rescue instrumentation

The rescue instrumentation assortment consists of implant retrieval, abutment screw retrieval and abutment retrieval instruments for performing efficient rescue procedures for all Nobel Biocare implants and implant-based restorations.

Discover more at nobelbiocare.com/rescue

Implant Retrieval Kit 37470

(The articles below can also be purchased individually.)

	Kit includes	
NON STERILE	Implant Retrieval Kit Box	37514
STERILE R	Implant Retrieval Instrument Ext Hex and Tri-Channel NP/RP 22 mm	37471
	Implant Retrieval Instrument Ext Hex and Tri-Channel NP/RP 31 mm	37472
	Implant Retrieval Instrument CC 3.0 31 mm	37473
	Implant Retrieval Instrument CC NP and Ext Hex WP 22 mm	37474
	Implant Retrieval Instrument CC RP and Tri-Channel WP 22 mm	37475
	Implant Retrieval Instrument CC WP 22 mm	37927
	Implant Retrieval Instrument Tri-Channel 6.0 22 mm	37476
	Trephine Drill 3.2/4.0 mm	37477
	Trephine Drill 3.8/4.6 mm	37928
	Trephine Drill 4.4/5.2 mm	37929
	Trephine Drill 5.2/6.2 mm	37930
	Trephine Drill 5.6/6.6 mm	37931
	Trephine Drill 6.2/7.0 mm	37932
NON STERILE	Implant Rescue Collar Tri-Channel ∅3.5	37478
	Implant Rescue Collar Tri-Channel ∅4.3	37479
	Handle for Implant Rescue Collar and Drill Guides	37480
	Implant Retrieval Wall Chart	37602

Abutment Screw Retrieval Kit 37481

(The articles below can also be purchased individually.)

Kit includes	
Abutment Screw Retrieval Kit Box	37515
Rescue Drill Guide External Hex NP	37482
Rescue Drill Guide External Hex RP	37483
Rescue Drill Guide External Hex WP	37484
Rescue Drill Guide Conical Connection 3.0	37485
Rescue Drill Guide Conical Connection NP	37486
Rescue Drill Guide Conical Connection RP	37487
Rescue Drill Guide Conical Connection WP	37933
Rescue Drill Guide Tri-Channel NP	37488
Rescue Drill Guide Tri-Channel RP	37489
Rescue Drill Guide Tri-Channel WP	37490
Rescue Drill Guide Tri-Channel 6.0	37491

Screw Tap Repair M1.4	37497
Screw Tap Repair M1.6	37498
Screw Tap Repair M1.8	37499
Screw Tap Repair M2	37517
Screw Tap Repair M2.5	37500
Abutment Screw Retrieval Reverse Drill 3.0/NP	37501
Abutment Screw Retrieval Reverse Drill RP/WP/6.0	37502
Abutment Screw Retrieval Instrument 3.0/NP	37503
Abutment Screw Retrieval Instrument RP/WP/6.0	37504
Abutment Screw Remover 3.0	37505
Abutment Screw Remover NP	37506
Abutment Screw Remover RP/WP/6.0	37507

Handle for Implant Rescue Collar & Drill Guides	37480
Handle for Machine Instruments	29161
Abutment Screw Retrieval Wall Chart	37603

Abutment Retrieval Kit (for titanium and zirconia abutments with conical connection) 37508

(The articles below can also be purchased individually.)

Kit includes	
Abutment Retrieval Kit Box	37516
Abutment Retrieval Instrument Zirconia CC NP	37512
Abutment Retrieval Instrument Zirconia CC RP/WP	37882
Abutment Retrieval Tool Titanium CC NP	36247
Abutment Retrieval Tool Titanium CC RP/WP	37881
Abutment Release Pin CC 3.0	37509
Abutment Release Pin CC NP	37510
Abutment Release Pin CC RP/WP	37511
Abutment Retrieval Wall Chart	37604

OsseoSet™

OsseoSet™ 200[1]

OsseoSet™ 200 SI-923, 230V	NB00900116
OsseoSet™ 200 SI-915, 115V (US)	NB00900117
OsseoSet™ 200 (WS-75) SI-923, 230V[2]	NB00900114

Accessories

Contra-angle WI-75 E/KM 20:1[3]	NB10207554
Contra-angle WS-75 E/KM 20:1[3,4]	NB10207513
OsseoSet™ 200 Motor with Cable	NB04720016
OsseoSet™ 100 Motor with Cable	NB04009630
Handpiece S-11, straight 1:1	NB00001104
Cannula Internal Cooling	NB02610500

Irrigation

Omnirrigator 5-pack	32F1004
Hose Set for Machinery[3], 80 mm 10-pack	32F0128

1. Includes drill unit, motor, contra-angle, foot pedal and hose set for machinery (10-pack).
2. Version with Contra-angle handpiece WS-75 E/KM 20:1 that can be dismantled. Designed to meet requirements in markets where hygiene guidelines recommend the use of a handpiece that can be dismantled.
3. For OsseoSet™ 100 and 200.
4. Can be dismantled. Designed to meet requirements in markets where hygiene guidelines recommend the use of a handpiece that can be dismantled.

Explanation of symbols on labels

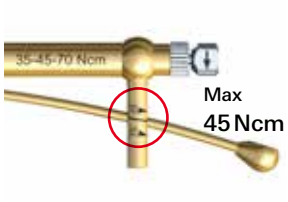
LOT	Lot/batch number
REF	Article number
(01)07332747035698 (10)1234567890	Unique device identifier (UDI) in both human- and machine-readable form
	Caution: consult the instructions for use for important cautionary information
STERILE R	Sterilized using irradiation
	Consult instructions for use
NON STERILE	Non-sterile: medical device has not been subjected to a sterilization process
	Open the package like this
	Do not resterilize
	Color-coded system for accurate and fast component identification
	Do not reuse: medical device is intended for one use, or for use on a single patient during a single procedure
MR	MR Safe: device poses no known hazards in all MR environments
	Do not use if package is damaged
MR	MR Conditional: device poses no known hazards in a specific MR environment with specified conditions of use
	Use-by date: indicates the date after which the medical device is not to be used
CE XXXX	Nobel Biocare products are CE marked and fulfill the requirements of the European Medical Device Directive 93/42/EEC as amended by 2007/47/EC
	Legal manufacturer
Rx only	Federal Law (US) restricts this product to sale by or on the order of a dentist or physician

Torque guide

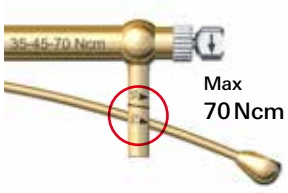
Implants

NobelActive® 3.0

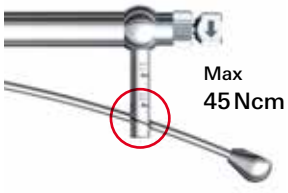
Max 45 Ncm



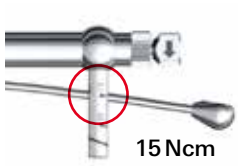
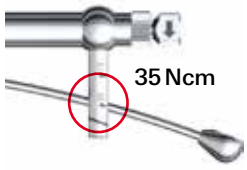
NobelActive® NP and RP



All other Nobel Biocare implants
- Immediate Provisional Implant
- NobelParallel™ Conical Connection
- Br nemark System®
- NobelSpeedy® Groovy and Replace
- NobelReplace® and Replace Select™ Straight
- NobelReplace® Conical Connection
- NobelReplace® and Replace Select™ Tapered
- NobelReplace® Platform Shift



Prosthetic components

Plastic Temporary Abutment **Plastic Temporary Coping** **Healing Abutment** (incl. Healing Abutment Anatomical PEEK) **Healing Cap**		By hand
Slim Healing and Slim Temporary Abutments **Prosthetic Screws for final restorations** **Titanium Temporary Coping**		
Ball Abutment **17° Multi-unit Abutment** **30° Multi-unit Abutment**		
Abutments for NobelActive® 3.0 Max 15 Ncm		
All other temporary and final abutments for Nobel Biocare implant systems (incl. Temporary Abutment Anatomical PEEK)		

Note: Prosthetic components for other implant systems may require different torque values. Always consult the respective instructions for use.

Cleaning and sterilization

Sterile components

The devices delivered sterile have a “Sterile” marking on the label. See current cleaning and sterilization guidelines for details: nobelbiocare.com/sterilization

Note: Implants should never be re-sterilized.

Implants

Implants are delivered sterile, are for single-use only, and must be used prior to the labeled expiration date. Do not use implants if the packaging has been damaged or previously opened.

Twist and twist step drills, precision drill, cortical drills, screw taps and counterbores

Drills and counterbores are delivered sterile and should be discarded after use. Screw taps are delivered sterile.

Exceptions:

– Drills, dense bone drills and screw taps for NobelReplace and Replace Select tapered implants are reusable and need to be replaced when cutting efficiency declines.
– Screw taps for NobelActive are reusable and need to be replaced when cutting efficiency declines.
– Zygoma Drills and Round Bur are delivered non-sterile.
– See current cleaning and sterilization guidelines for details: nobelbiocare.com/sterilization

Abutments and plastic copings

Healing Abutments, Slim Healing and Slim Temporary Abutments, Healing and Temporary Abutments Anatomical PEEK, Immediate Temporary Abutment, QuickTemp Abutment, Snappy Abutment, Multi-unit Abutment and Ball Abutment are delivered sterile.

Non-sterile components

Care and maintenance of reusable instruments and drills are crucial for successful treatment. Well-maintained instruments not only safeguard your patients and staff against infection, but are also essential for the outcome of the total treatment.

See current cleaning and sterilization guidelines for details: nobelbiocare.com/sterilization

Tapered drills and screw taps

Drills, dense bone drills, and screw taps for NobelReplace and Replace Select tapered implants are reusable and should be replaced after 20–30 uses, or when cutting efficiency declines. Worn-out and damaged drills should be discarded and replaced with new sharp drills.

See current cleaning and sterilization guidelines for details: nobelbiocare.com/sterilization

Abutments and plastic copings

Some abutments made of titanium, gold alloy, and plastic (PEEK) are delivered non-sterile. For more information refer to the label on the specific abutment. It is recommended to sterilize the abutment prior to placing it in the oral cavity. See current cleaning and sterilization guidelines for details: nobelbiocare.com/sterilization

Note: If modifications have been made to the abutment, clean the abutment prior to sterilization.

Contra-angle

For cleaning and sterilization procedures, see specific instructions from the respective manufacturer.

Material characteristics

Implants

Cold-worked titanium used for Nobel Biocare implants	
Material type	Surgical grade cp titanium based on ASTM F67
Composition (in wt.%)	Nitrogen ≤ 0.03%* Carbon ≤ 0.08%* Hydrogen ≤ 0.015%* Iron ≤ 0.20%* Oxygen ≤ 0.40% Titanium = balance
Yield strength ($R_{p0.2}$)	min. 750 MPa (min. 680 MPa for larger implant diameters)
Tensile strength (R_m)	min. 860 MPa

For comparison: Grade 4 titanium according to ASTM F67	
Material type	Surgical grade cp titanium
Composition (in wt.%)	Nitrogen ≤ 0.05% Carbon ≤ 0.08% Hydrogen ≤ 0.015% Iron ≤ 0.50% Oxygen ≤ 0.40% Titanium = balance
Yield strength ($R_{p0.2}$)	min. 483 MPa
Tensile strength (R_m)	min. 550 MPa

Prefabricated prosthetics

Titanium alloy used for temporary and final abutments	
Material type	Surgical grade titanium alloy Ti-6Al-4V ELI
Composition (in wt.%)	In compliance with ASTM F136 Aluminum 5.5–6.5% Vanadium 3.5–4.5% Nitrogen ≤ 0.05% Carbon ≤ 0.08% Hydrogen ≤ 0.012% Iron ≤ 0.25% Oxygen ≤ 0.13% Titanium = balance
Yield strength ($R_{p0.2}$)	min. 795 MPa
Tensile strength (R_m)	min. 860 MPa

** Corresponds to ASTM F67, Grade 1.*

Unalloyed titanium used for temporary and final abutments*	
Material type	Surgical grade cp titanium based on ASTM F67
Composition (in wt.%)	Nitrogen ≤ 0.03% Carbon ≤ 0.08% Hydrogen ≤ 0.015% Iron ≤ 0.20% Oxygen ≤ 0.40% Titanium = balance
Yield strength ($R_{p0.2}$)	min. 500 MPa
Tensile strength (R_m)	min. 650 MPa

Zirconia used for prefabricated abutments	
Material type	Yttria-stabilized tetragonal zirconia polycrystal (Y-TZP)
Composition (in wt.%)	In compliance with ISO 13356 Zirconium oxide, yttrium oxide, hafnium oxide, aluminum oxide, other oxides $ZrO_2 + Y_2O_3 + HfO_2 \geq 99.0\%$ Y_2O_3 4.5%–6.0% $HfO_2 \leq 5\%$ $Al_2O_3 \leq 0.5\%$ Other oxides ≤ 0.5%
Density	6.05 g/cm^3
Flexural strength (biaxial)	1120 MPa
CTE (25–500°C)	10.3 ×10^{-6}/K

Gold alloy used in GoldAdapt and gold cylinders	
Material type	Precious metal alloy
Composition (in wt.%)	Gold 60%, Palladium 20%, Platinum 19%, Iridium 1%
Melting interval	1400–1490°C
CTE (25–500°C)	11.9 ×10^{-6}/K

** Only used for Temporary Abutments for Brånemark System, Multi-unit Abutment Straight for Brånemark System and NobelReplace/Replace Select, and Temporary Copings Multi-unit Abutment.*

Plastic copings, healing caps and impression copings	
Plastic/Temp Coping Immediate Temporary Abutment, QuickTemp™ Abutment Conical, Esthetic Abutment, Snappy™ Abutment	Polycarbonate (PC)
Healing Cap Multi-unit Abutment	Polybuthylene terephthalate (PBT)
Healing Cap Snappy™ Abutment	Polysulfone (PS)
Plastic Cylinder GoldAdapt	Polyoxymethylene (POM)
Impression Coping Snappy™ Abutment, Impression Coping Closed Tray Plastic	Polyamide Nylon
Temporary Abutment Plastic Healing and Temporary Abutments Anatomical PEEK	Polyetheretherketone (PEEK)

Individualized CAD/CAM prosthetics

Telio® CAD Crown and Bridge by NobelProcera	
Material type	Polymethyl Methacrylate (PMMA)
Composition (in wt.%)	PMMA 99.5%, pigments
Flexural strength (biaxial)	130 MPa
Available shades (VITA)	A1, A2, A3, A3.5, B1, BL3

IPS e.max® CAD Crown by NobelProcera	
Material type	Lithium disilicate glass-ceramic
Composition (in wt.%)	Silicon oxide, lithium oxide, potassium oxide, phosphorus oxide, zirconium oxide, zinc oxide, aluminum oxide, magnesium oxide, other oxides > 57% SiO_2, Li_2O, K_2O, P_2O_5, ZrO_2, ZnO, Al_2O_3, MgO and other oxides
Flexural strength (biaxial)	360 MPa
CTE (100–400°C)	10.2×10^{-6}/K
CTE (100–500°C)	10.5×10^{-6}/K
Chemical solubility	40 µg/cm² (according to ISO 6872)
Crystallization temperature	840–850°C / 1544–1562°F

Shaded zirconia – NobelProcera Abutment, ASC Abutment, Crown, Bridge and Implant Bridge	
Material type	Yttria-stabilized tetragonal zirconia polycrystal (Y-TZP)
Composition (in wt.%)	In compliance with ISO 13356 Zirconium oxide, yttrium oxide, hafnium oxide, aluminum oxide, other oxides $ZrO_2 + Y_2O_3 + HfO_2 \geq 99.0\%$, Y_2O_3 4.5%–6.0%, $HfO_2 \leq 5\%$, $Al_2O_3 \leq 0.5\%$, other oxides ≤ 0.5%
Density	6.05 g/cm³
Flexural strength (biaxial)	1120 MPa
CTE (25–500°C)	10.3×10^{-6}/K

Full-contour zirconia – NobelProcera FCZ Implant Crown	
Material type	Yttria-stabilized tetragonal zirconia polycrystal (Y-TZP)
Composition (in wt.%)	In compliance with ISO 13356 Zirconium oxide, yttrium oxide, hafnium oxide, aluminum oxide, other oxides $ZrO_2 + Y_2O_3 + HfO_2 \geq 99.0\%$, Y_2O_3 4.5%–6.0%, $HfO_2 \leq 5\%$, $Al_2O_3 \leq 0.5\%$, other oxides ≤ 0.5%
Density	6.07 g/cm³
Flexural strength (biaxial)	1200 MPa
CTE (25–500°C)	10.4×10^{-6}/K

Base Metal Alloy Cobalt Chromium – NobelProcera Crown and Bridge	
Material type	Dentaurum Remanium® Star Cobalt Chromium Base Metal Alloy milling blank (Type 5 according to ISO 22674: 2006)
Composition (in wt.%)	In compliance with ISO 22674 Cobalt 61±2%, Chromium 28±2%, Tungsten 9±1%, Silicon 1.5±1%; Iron, Manganese, Nitrogen, Niobium: each <1%; Nickel, Beryllium, Cadmium: not present
Melting interval	1320–1420°C
CTE (25–500°C)	14.1×10^{-6}/K
Density	8.6 g/cm^3
Young's modulus	min. 150 GPa, typically 230 GPa
Yield strength ($R_{p0.2}$)	min. 500 MPa, typically 635 MPa
Elongation at break	typically 10%

Titanium (alloy) – NobelProcera Crown, Bridge and Abutment	
Material type	Surgical grade titanium alloy Ti-6Al-4V ELI
Composition (in wt.%)	In compliance with ASTM F136 Aluminum 5.5–6.5%, Vanadium 3.5–4.5%, Nitrogen ≤ 0.05%, Carbon ≤ 0.08%, Hydrogen ≤ 0.012%, Iron ≤ 0.25%, Oxygen ≤ 0.13%, Titanium = balance
Melting interval	1605–1660°C
CTE (25–500°C)	10.0×10^{-6}/K
Density	4.4 g/cm^3
Young's modulus	110 GPa
Yield strength ($R_{p0.2}$)	min. 795 MPa
Tensile strength (R_m)	min. 860 MPa
Elongation at break	min. 10%

Titanium (unalloyed) – NobelProcera Implant Bridge	
Material type	Surgical grade cp titanium based on ASTM F67
Composition (in wt.%)	Nitrogen ≤ 0.03%, Carbon ≤ 0.08%, Hydrogen ≤ 0.0125%, Iron ≤ 0.30%, Oxygen ≤ 0.25%, Residuals each ≤ 0.10%, Residuals total ≤ 0.40%, Titanium = balance
Melting point	1665°C
CTE (25–500°C)	9.4×10^{-6}/K
Density	4.5 g/cm^3
Young's modulus	110 GPa
Yield strength ($R_{p0.2}$)	min. 275 MPa
Tensile strength (R_m)	min. 345 MPa
Elongation at break	min. 10%

Titanium (alloy) – NobelProcera Implant Bar Overdenture	
Material type	Surgical grade titanium alloy Ti-6Al-4V
Composition (in wt.%)	In compliance with ASTM F1472 Aluminum 5.5–6.75%, Vanadium 3.5–4.5%, Nitrogen ≤ 0.05%, Carbon ≤ 0.08%, Hydrogen ≤ 0.015%, Iron ≤ 0.30%, Oxygen ≤ 0.20%, Yttrium ≤ 0.005%, Titanium = balance
Melting interval	1605–1660°C
CTE (25–500°C)	9.9×10^{-6}/K
Density	4.4 g/cm^3
Young's modulus	110 GPa
Yield strength ($R_{p0.2}$)	min. 825 MPa
Tensile strength (R_m)	min. 895 MPa
Elongation at break	min. 10%

TiUnite® – proven to perform

Discover more at nobelbiocare.com/tiunite

TiUnite has set the standard in implant surface technology. Since its launch in 2000, successful use of TiUnite has been documented in over 270 clinical studies with over 13,000 patients, 45,000 implants and up to 12 years' follow-up. In total, more than 15 million implants with TiUnite surface have been used.

Enhanced osseointegration

The introduction of TiUnite implants significantly reduced early failure rates.[1] TiUnite's moderately rough titanium oxide layer with high crystallinity and a high phosphorus content results in high bone-to-implant contact and bone mineralization, as well as strong upregulation of molecular determinants of osseointegration.[2] This is particularly important in advanced indications such as immediate implant placement, immediate loading and implant placement in soft bone.

Successful even in challenging indications

Implants with TiUnite surface demonstrate predictable outcomes even in challenging protocols such as Immediate Function in both healed and extraction sites.[3-7] Nobel Biocare implants achieve the high primary stability necessary in such protocols. This is thanks to the unique combination of implant design and drilling protocol. This stability is then maintained by TiUnite through fast, strong osseointegration.

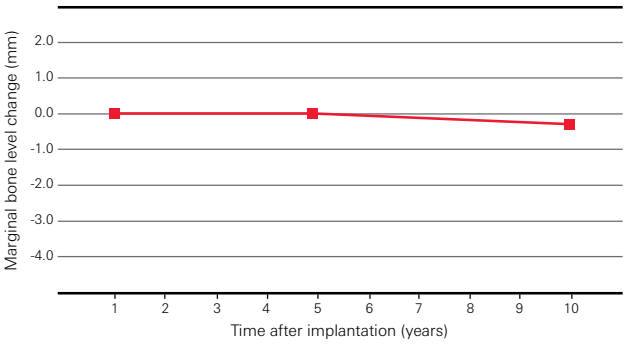
High survival rates

TiUnite implants show high cumulative survival rates (CSR) in long-term (≥ 10 years) follow-up studies.

Study	Mean follow-up	CSR
Glauser 2015[3]	11.2 years	97.1%
Mozzati et al. 2013[8]	11 years	97.1%
Balshi et al. 2013[9]	10 years	95.4%
Degidi et al. 2012[10]	10 years	97.3%
Jungner et al. 2014[11]	10 years	97.7%
Östman et al. 2012[12]	10 years	99.2%
Weighted mean from 16 studies[3,7,12-21]	**7–10 years**	**97.3%**

Stable marginal bone levels

TiUnite maintains marginal bone levels after the initial bone remodeling phase. Studies with ≥ 10 years of follow-up report bone remodeling of 0.4–1.16 mm between implant insertion and 1-year follow-up, and stable bone levels over the long term.[3,10,12]



Stable marginal bone levels after initial remodeling. Baseline adjusted to year 1 to allow comparisons with other publications. Mean marginal bone change between 1 and 5 years was 0.0 mm, rising only to 0.3 mm between 1 and 10 years.[12]

[1] Jemt T, Olsson M, Franke Stenport V. Incidence of First Implant Failure: A Retroprospective Study of 27 Years of Implant Operations at One Specialist Clinic. Clin Implant Dent Relat Res 2014 [Epub ahead of print]. [2] Lenneras M, Palmquist A, Norlindh B, Emanuelsson L, Thomsen P, Omar O. Oxidized Titanium Implants Enhance Osseointegration via Mechanisms Involving RANK/RANKL/OPG Regulation. Clin Implant Dent Relat Res 2014 [Epub ahead of print]. [3] Glauser R. Implants with an Oxidized Surface Placed Predominately in Soft Bone Quality and Subjected to Immediate Occlusal Loading: Results from an 11-Year Clinical Follow-Up. CIDRR 2015 [In press]. [4] Liddelow G, Henry P. The immediately loaded single implant-retained mandibular overdenture: a 36-month prospective study. Int J Prosthodont 2010;23:13-21. [5] Kolinski ML, Cherry JE, McAllister BS, Parrish KD, Pumphrey DW, Schroering RL. Evaluation of a variable-thread tapered implant in extraction sites with immediate temporization: a 3-year multicenter clinical study. J Periodontol 2014;85:386-394. [6] Mura P. Immediate Loading of Tapered Implants Placed in Postextraction Sockets: Retrospective Analysis of the 5-Year Clinical Outcome. Clin Implant Dent Relat Res 2012;14:565-574. [7] Rocci A, Rocci M, Rocci C, Scoccia A, Gargari M, Martignoni M, et al. Immediate Loading of Branemark System TiUnite and Machined-Surface Implants in the Posterior Mandible, Part II: A Randomized Open-Ended 9-Year Follow-up Clinical Trial. Int J Oral Maxillofac Implants 2013;28:891-895. [8] Mozzati M, Gallesio G, Del Fabbro M. Long-term (9-12 years) outcomes of titanium implants with an oxidized surface: a retrospective investigation on 209 implants. J Oral Implantol 2013. [9] Balshi TJ, Wolfinger GJ, Slauch RW, Balshi SF. A retrospective comparison of implants in the pterygomaxillary region: implant placement with two-stage, single-stage, and guided surgery protocols. Int J Oral Maxillofac Implants 2013;28:184-189. [10] Degidi M, Nardi D, Piattelli A. 10-Year Follow-Up of Immediately Loaded Implants with TiUnite Porous Anodized Surface. Clin Implant Dent Relat Res 2012;14:828-838. [11] Jungner M, Lundqvist P, Lundgren S. A retrospective comparison of oxidized and turned implants with respect to implant survival, marginal bone level and peri-implant soft tissue conditions after at least 5 years in function. Clin Implant Dent Relat Res 2014;16:230-237. [12] Östman PO, Hellman M, Sennerby L. Ten years later. Results from a prospective single-centre clinical study on 121 oxidized (TiUnite™) Br nemark implants in 46 patients. Clin Implant Dent Relat Res 2012;14:852-860. [13] Arnhart C, Dvorak G, Trefil C, Huber C, Watzek G, Zechner W. Impact of implant surface topography: a clinical study with a mean functional loading time of 85 months. Clin Oral Implants Res 2013;24:1049-1054. [14] Francetti L, Azzola F, Corbella S, Taschieri S, Del Fabbro M. Evaluation of clinical outcomes and bone loss around titanium implants with oxidized surface: six-year follow-up results from a prospective case series study. Clin Implant Dent Relat Res 2014;16:81-88. [15] Gelb D, McAllister B, Nummikoski P, Del Fabbro M. Clinical and Radiographic Evaluation of Branemark Implants with an Anodized Surface following Seven-to-Eight Years of Functional Loading. Int J Dent 2013;583567. [16] George KM, Choi YG, Rieck KL, Van Ess J, Ivancakova R, Carr AB. Immediate restoration with ti-unite implants: practice-based evidence compared with animal study outcomes. Int J Prosthodont 2011;24:199-203. [17] Orentlicher G, Horowitz A, Goldsmith D, Delgado-Ruiz R, Abboud M. Cumulative survival rate of implants placed "fully guided" using CT-guided surgery: a 7-year retrospective study. Compend Contin Educ Dent 2014;35:590-600. [18] Polizzi G, Gualini F, Friberg B. A two-center retrospective analysis of long-term clinical and radiologic data of TiUnite and turned implants placed in the same mouth. Int J Prosthodont 2013;26:350-358. [19] Pozzi A, Mura P. Clinical and radiologic experience with moderately rough oxidized titanium implants: up to 10 years of retrospective follow-up. Int J Oral Maxillofac Implants 2014;29:152-161. [20] Turkyilmaz I, Tozum TF, Fuhrmann DM, Tumer C. Seven-year follow-up results of TiUnite implants supporting mandibular overdentures: early versus delayed loading. Clin Implant Dent Relat Res 2012;14 Suppl 1:e83-90. [21] Wagenberg B, Froum SJ. Long-term Bone Stability Around 312 Rough Surfaced Immediately Placed Implants with 2-12 year follow-up. CIDRR 2014 [Epub ahead of print].

Warranty Program

Nobel Biocare provides warranties for certain Nobel Biocare products. The terms and conditions of these warranties are set out in this Nobel Biocare Warranty Program (the "Warranty Program"):

1. Warranties for Treatment Provider[1]

1.1 Lifetime warranty for implants

Nobel Biocare guarantees to replace any Nobel Biocare implant that fails to remain in the bone in which it is implanted. Nobel Biocare will replace free of charge the implant and Nobel Biocare restorative components placed on the implant at the time of failure with the same Nobel Biocare implant and restorative components as installed on the implant at the time of failure (the only possible changes are related to diameter and/or length).

1.2 Lifetime warranty for restorative components

Nobel Biocare guarantees to replace free of charge any non-temporary and non-provisional Nobel Biocare restorative component that fails with the same restorative component. In addition to the replacement of the failed Nobel Biocare restorative component, Nobel Biocare will also replace free of charge any other non-temporary and non-provisional Nobel Biocare restorative component or the Nobel Biocare implant on which the failed Nobel Biocare restorative component is placed with a Nobel Biocare restorative component or Nobel Biocare implant, if said restorative component or implant needs to be replaced in course of the replacement of the failed Nobel Biocare restorative component.

1.3 10-year warranty for Nobel Biocare abutments on Non-Nobel Biocare Implants[2]

If a Nobel Biocare non-temporary, non-provisional abutment is placed on Non-Nobel Biocare Implants, the warranty as set out in clause 1.2 above is limited to a period of ten (10) years from the date the abutment was placed on the Non-Nobel Biocare Implant.

1.4 Warranty for NobelProcera and Procera Products[3]

Notwithstanding the warranties set out in clauses 1.2 and 1.3, for NobelProcera Products and Procera Products Nobel Biocare guarantees to replace free of charge any non-temporary, non-provisional NobelProcera Product or Procera Product that fails within five (5) years after being placed in the patient's mouth. In addition to the replacement of the failed NobelProcera Product or Procera Product, Nobel Biocare will also replace free of charge any other non-temporary and non-provisional Nobel Biocare restorative component or the Nobel Biocare implant on which the failed NobelProcera Product or Procera Product is placed with a Nobel Biocare restorative component or Nobel Biocare implant, if said restorative component or implant needs to be replaced in course of the replacement of the failed NobelProcera Product or Procera Product. Attachments (primary and secondary parts) and riders for NobelProcera Implant Bars Overdenture are excluded from this warranty.

1.5 Replacement of Non-Nobel Biocare Implants

Nobel Biocare offers to replace a Non-Nobel Biocare Implant with a free NobelReplace implant under the following conditions:

- A Non-Nobel Biocare Implant was inserted, for which the safety and efficacy is supported by at least 2-year clinical data for this specific implant based on reported data of a minimum of 10 patients published in a peer-review journal[4]; and
- A NobelProcera Product or Procera Product was placed on top of the Non-Nobel Biocare Implant on or after March 1, 2010; and
- The warranty for the Non-Nobel Biocare Implant (as given by the manufacturer of the Non-Nobel Biocare Implant) is void or invalid solely because a NobelProcera Product or Procera Product was used on the Non-Nobel Biocare Implant; and
- The Treatment Provider provides Nobel Biocare with a copy of the warranty rejection by the manufacturer of the Non-Nobel Biocare Implant; and
- The Treatment Provider provides a case documentation to Nobel Biocare (including planning x-ray, post operative x-rays, follow-up x-ray, a photograph of the Non-Nobel Biocare Implant on the day of extraction, the extracted Non-Nobel Biocare Implant and the NobelProcera Product or Procera Product).

2. Special Warranty to patient for NobelProcera Implant Bar Overdenture

For NobelProcera Implant Bars Overdenture (Patient Guarantee Card), Nobel Biocare guarantees to the patient to replace free of charge any NobelProcera Implant Bar Overdenture that fails within five (5) years after being placed in the patient's mouth. Attachments (primary and secondary parts) and riders for NobelProcera Implant Bars Overdenture are excluded from this warranty.

3. Scope of warranties

Any warranty given under this Warranty Program is limited to the replacement of the failed product and of such additional components (implants, restorative components) as set out in clauses 1.1 through 2, respectively (including the costs for shipment of the replacement product(s) to the Treatment Provider). In particular, Nobel Biocare does not compensate the Treatment Provider or the patient for any additional components, tools, treatment costs, or other costs and expenses arising out of or in connection with the replacement of the failed product. In case one of the products that is to be replaced under the warranties set out herein is no longer commercially available, an alternative solution may be chosen.

[1] For the purpose of this Warranty Program, "Treatment Provider" means dentists, physicians and dental technicians. [2] For the purpose of this Warranty Program, "Non-Nobel Biocare Implant" means any implant not manufactured by Nobel Biocare. [3] For the purpose of this Warranty Program, "NobelProcera Product" means NobelProcera Crown and Bridge, NobelProcera Individualized CAD/CAM Abutments, NobelProcera Implant Bridge, and NobelProcera Implant Bar Overdenture, and "Procera Product" means Procera Crown, Procera Abutments, and Procera Implant Bridges. [4] For the purpose of this Warranty Program, "Peer Reviewed Journal" means journals that only publish manuscripts which have passed a so-called peer review (a (normally blinded) process in which the scientific manuscript is critically assessed by other researchers who are experts in the same field).

4. Eligibility

4.1

To receive the benefits of the warranties set out in clauses 1 and 2, the Treatment Provider must:

a. Have solely used original Nobel Biocare surgical and prosthetic components in the patient case in which the Nobel Biocare product failure occurred, including implants, cover screws, healing abutments, permanent abutments, prosthetic screws, prosthetic cylinders, crowns, bridges and bars.
b. Have performed the treatment in accordance with Nobel Biocare's prescribed procedures and instructions as published at the time of the treatment and in accordance with accepted dental practice, in particular did not use any contraindicated implant and restorative techniques.
c. Ensure that the patient complies with generally accepted standards of good oral hygiene. For implants, oral hygiene maintenance examinations twice a year are recommended.
d. At the time of submission of a Questionnaire for Complaint, Implant Failure (Guarantee) and Implant Fracture, or NobelProcera complaint, have its Nobel Biocare account in good standing, meaning that all payments owing to Nobel Biocare or any affiliated company are current.
e. For NobelProcera Products and Procera Products in particular: Have complied with the handling and material instructions of Nobel Biocare as published at the time of preparation, design and finishing.

Any non-compliance with points (a) through (e), respectively, above will make the warranties set out in this Warranty Program null and void.

4.2

Nobel Biocare is not obliged to furnish any benefits under this Warranty Program with respect to any Nobel Biocare product, if the failure of the product was caused by trauma or by the patient.

4.3

This Warranty Program does not apply to any products that are specially manufactured or modified at the request of the Treatment Provider as well as temporary implant systems.

5. Claims

5.1

To raise a claim under this Warranty Program, you have to send a signed, stamped and completed Questionnaire for Complaint, Implant Failure (Guarantee) and Implant Fracture accompanied by the failed product and the other components placed by the Treatment Provider to Nobel Biocare within three months after the product failure occurred. In case of an implant failure, an x-ray of the failed implant is mandatory. Prior to submitting the implant and the other components used in the treatment, ensure that all products are sterilized.

5.2

For NobelProcera Products and Procera Products, complaint orders must be sent using the NobelProcera Software with the original file name(s) and the appropriate complaint code(s). For NobelProcera Implant Bridges, the complaint questionnaire must be filled out.

6. Modification or termination of Warranty Program

Nobel Biocare may modify or terminate this Warranty Program at any time in whole or in part. Changes to or the termination of the Warranty Program will not affect the warranties given under this Warranty Program for products installed prior to the date of the change or termination.

7. Limitations on Warranty Program

EXCEPT FOR THE WARRANTIES DESCRIBED IN CLAUSES 1 AND 2 ABOVE, NEITHER NOBEL BIOCARE NOR ANY AFFILIATED COMPANY WHICH MANUFACTURES OR DISTRIBUTES ANY NOBEL BIOCARE COMPONENTS MAKES ANY WARRANTY WITH RESPECT TO NOBEL BIOCARE COMPONENTS, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED GUARANTEES OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In addition, Nobel Biocare and its affiliates disclaim all liability to a Treatment Provider for lost earnings, income or profits, failure of a Treatment Provider to conform to generally accepted standards of dental practices and all other direct or indirect, incidental or consequential damages resulting or arising from the design, composition, condition, use or performance of Nobel Biocare components.

8. Application of warranty

The warranties given under this Warranty Program are exclusively for the benefit of eligible Treatment Providers and are not for any other person or entity, including any patient, except for the warranty given directly to the patient in clause 2 above.

9. Entire agreement

9.1

Except as set forth in this Warranty Program, neither Nobel Biocare nor any affiliate of Nobel Biocare makes any representation, warranty, covenant or other undertaking relating to Nobel Biocare products. This Warranty Program sets forth the entire understanding and supersedes all prior agreements and discussions relating to the subject matter contained herein.

9.2

This Warranty Program applies to all Nobel Biocare companies.

9.3

For markets served by distributors, other conditions may apply. Please contact your Nobel Biocare representative for information.

(Nobel Biocare Warranty Program – version March 2012)

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