

# Nobel Biocare Replacement Parts

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## Description

Replacement parts are defined as prosthetic components and instruments in the Nobel Biocare product range that are essential to maintain existing prosthetic constructions in patients with phased-out implants and/or abutments i.e., devices no longer placed on the market.

Nobel Biocare replacement parts and components are divided into the following categories based on the implant system and their use.

### O-Ring Clinical White

O-Ring Clinical White is a spacer which is placed around an O-Ring Abutment and should be exchanged when signs of wear become evident. The O-Ring Abutment is a permanent abutment for implant retained, tissue supported overdentures, typically with two or more relatively parallel (<10°) implants. The O-ring

Abutments are to be used with Steri-Oss™ and Replace External Hex Systems.

### O-Ring Abutment Analog with Spacer

O-Ring Abutment Analog with spacer is a replica of the retentive element (the implant) and abutment (O-ring Abutment) of a dental restoration and is used during the fabrication of a master cast in the laboratory to replicate the shape and position of the implant and abutment. The O-ring Abutments are to be used with Steri-Oss™ and Replace External Hex Systems.

### O-Ring for Tools

Replacement part to be used with the torque wrench and torque wrench insert.

To be used with Steri-Oss™ and Replace External Hex Systems.

### Retainer Ring

Retainer Ring is retainer which is placed around an O-Ring Abutment and should be exchanged when signs of wear become evident. O-Ring Abutment is a permanent abutment for implant retained, tissue supported overdentures, typically with two or more relatively parallel (<10°) implants.

To be used with Steri-Oss™ and Replace External Hex Systems.

### Transmucosal Abutment Wrench

Transmucosal Abutment Wrench is a reusable manual wrench used for insertion and tightening or loosening of PME abutments and abutment screws with a specific amount of torque.

To be used with Steri-Oss™ and Replace External Hex Systems.

### Healing Abutment Ø3.5x3mm 3.5 mm RPL, Healing Abutment Ø4.5x3 mm 4.3 Replace® Hex

A pre-manufactured dental implant abutment or cap to be directly connected to the endosseous dental implant or abutment intended for use as a temporary aid in prosthetic rehabilitation.

To be used with the Replace External Hex System.

## **Healing Abutment Ø4.5x3 mm 3.8/4.5 HL, Healing Abutment Ø4.5x3 mm 3.25 HL**

A pre-manufactured dental implant abutment or cap to be directly connected to the endosseous dental implant or abutment intended for use as a temporary aid in prosthetic rehabilitation.

To be used with the Steri-Oss™ System.

## **Healing Abutment Ø6x3 mm 5.0 HL/Replace® Hex, Healing Abutment Ø6x3 mm 6.0 HL/RPL**

A pre-manufactured dental implant abutment or cap to be directly connected to the endosseous dental implant or abutment intended for use as a temporary aid in prosthetic rehabilitation.

To be used with Steri-Oss™ and Replace External Hex Systems.

## **Coping Screw Hex 2mm**

Coping screw is a pre-manufactured dental implant screw designed to fix dental implant prostheses or dental implant system components such as implant abutments and implant healing abutments to an endosseous dental implant or to another abutment.

To be used with the Steri-Oss™ and Replace Select Systems.

## **Abutment Screw TorqTite™ 3.8/4.3/4.5/5.0/6.0 HL/RPL, Abutment Screw TorqTite™ 3.25HL/3.5 RPL**

Abutment screws are pre-manufactured dental implant screws designed to fix dental implant prostheses or dental implant system components such as implant abutments and implant healing abutments to an endosseous dental implant or to another abutment.

To be used with the Steri-Oss™ and Replace External Hex Systems.

## **Prosthetic screw Unigrip™ Novum, Prosthetic Screw Conical, Prosthetic Screw Slot, Prosthetic Screw Internal Hexagon**

Prosthetic screws are pre-manufactured dental implant screws designed to fix dental implant prostheses or dental implant system components such as implant abutments and implant healing abutments to an endosseous dental implant or to another abutment.

To be used with the Brånemark Novum System.

## **Coronal Screw Set 3.25 Non-Hex, Coronal Screw Set 3.8 Non-Hex**

The coronal screw set is a versatile system that accommodates both parallel and non-parallel implants. The coronal screw system is typically used for full-arch or shorter span bridges and to fabricate a cast alloy bar to support an overdenture.

To be used with the Steri-Oss™ Non-Hex System.

## **Converter Screw Titanium Unigrip™ fit Ø3**

Converter screw to be used to fix the existing Brånemark NP prosthetic options available in the portfolio on phased-out 3.0 Brånemark implants. The converter screw is used due to different screw channel configuration on old 3.0 Brånemark implant.

## **Lower bar screw Unigrip™ Novum**

Clinical screws used to attach bridge to Novum implant(s).

To be used with the Brånemark Novum System.

## **Screwdriver Manual Ball Abutment 22 mm, Screwdriver Machine Ball Abutment 24 mm**

Screwdrivers are reusable instruments which are used in conjunction with clinical screws, abutment screws, cover screws, prosthetic screws, prosthetic components (e.g. laboratory screws, abutments, healing abutments, impression copings), rescue tools and drill stops.

To be used with the Ball Abutment System.

## **Screwdriver Hex 0.050" Length 0.75", Screwdriver Hex 0.050" Length 1.25", Screwdriver Machine Slot**

Screwdrivers are reusable instruments which are used in conjunction with clinical screws, abutment screws, cover screws, prosthetic screws, prosthetic components (e.g. laboratory screws, abutments, healing abutments, impression copings), rescue tools and drill stops.

To be used with the Steri-Oss™ System and Replace External Hex Systems.

## **Machine screwdriver hex long, Machine screwdriver slot long, Screwdriver Hexagon 27 mm, Screwdriver Medium 37 mm, Screwdriver Slot Short 27 mm**

Screwdrivers are reusable instruments which are used in conjunction with clinical screws, abutment screws, cover screws, prosthetic screws, prosthetic components (e.g. laboratory screws, abutments, healing abutments, impression copings), rescue tools and drill stops.

To be used with the Brånemark System®, Steri-Oss™ and Replace External Hex Systems.

## **Torque Wrench Insert Hex 0.050" Short, Torque Wrench Insert Hex 0.050" Long**

Torque Wrench Insert Hex is reusable screwdriver that is inserted in the wrench body and is used to support the insertion and tightening or loosening of implants, abutments and abutment screws with a specific amount of torque. It can also be used with implant retrieval instruments and abutment screw retrieval instruments.

To be used with Steri-Oss™ and Replace External Hex Systems.

## **Torque Wrench Insert Transmucosal Abutment**

Torque Wrench Insert Transmucosal Abutment is reusable screwdriver that is inserted in the wrench body and is used to support the insertion and tightening or loosening of implants, abutments and abutment screws with a specific amount of torque. It can also be used with implant retrieval instruments and abutment screw retrieval instruments.

To be used with the Steri-Oss™ and Replace External Hex Systems.

## **Implant Analog 3.8/4.5 HL**

An implant analog is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast. The implant analog is placed in the laboratory stone or plaster model in the location and position determined for the final prosthesis.

To be used with the Steri-Oss™ System.

## **Implant Analog Non-Hex**

An implant analog is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast in the laboratory to replicate the shape and position of the implant. To be used with the Steri-Oss™ Non-Hex System.

## **Implant Analog 5.0 HL/6.0 HL/RPL**

An implant analog is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast. The implant analog is placed in the laboratory stone or plaster model in the location and position determined for the final prosthesis.

To be used with the Steri-Oss™ and Replace External Hex Systems.

## **Implant Analog 3.5 RPL, Implant Analog 4.3 RPL**

An implant analog is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast in the laboratory to replicate the shape and position of the implant. To be used with the Replace External Hex System.

## **Replica Fixture Novum**

An implant replica is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast in the laboratory to replicate the shape and position of the implant. To be used with the Brånemark Novum System.

## **Implant Replica NobelPerfect® NP, Implant Replica NobelPerfect® RP, Implant Replica NobelPerfect® WP**

An implant replica is a replica of the retentive element (the implant) of a dental restoration and is used during the fabrication of a master cast in the laboratory to replicate the shape and position of the implant. To be used with the NobelPerfect® System.

## **Abutment NobelPerfect® NP, Abutment NobelPerfect® RP, Abutment NobelPerfect® WP**

A premanufactured dental implant abutment to be directly connected to an endosseous dental implant intended for use as an aid in a prosthetic rehabilitation.

To be used with the NobelPerfect® System.

## **Implant Lev Impr Coping NobelPerfect® NP, Impl Level Impr Coping NobelPerfect® RP, Implant Lev Impr Coping NobelPerfect® WP**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory.

To be used with the NobelPerfect® System.

## **Impression Coping to Fixture Novum**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory.

To be used with the Brånemark Novum System.

## **Thread Timed Transfer Pin 3.25 Non-Hex**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory. Impression copings open tray are used with a guide pin. The apical part of the impression coping is fixed to the implant or abutment connection with the guide pin.

To be used with the Steri-Oss™ Non-Hex System.

## **Transfer Assy Hex Open Tray 4.5D 3.25 HL, Transf Assy Hex Open Tray 4.5 3.8/4.5 HL**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory. Impression copings open tray are used with a guide pin. The apical part of the impression coping is fixed to the implant or abutment connection with the guide pin.

To be used with the Steri-Oss™ System.

## **Transfer Assy Hex Open Tray 3.5D 3.5 RPL, Transfer Assy Hex Open Tray 4.5D 4.3 RPL**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory. Impression copings open tray are used with a guide pin. The apical part of the impression coping is fixed to the implant or abutment connection with the guide pin.

To be used with the Replace External Hex System.

## **Transf Assy Hex Open Tray 6D 5.0 HL/RPL, Transf Assy Hex Open Tray 6D 6.0 HL/RPL**

Impression copings are pre-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position on a master cast in the dental laboratory, to support creation of an implant restoration in the dental laboratory. Impression copings open tray are used with a guide pin. The apical part of the impression coping is fixed to the implant or abutment connection with the guide pin.

To be used with the Steri-Oss™ and Replace External Hex Systems.

## **Direct Abut Engaging/Non-Engaging Gold/Plastic 5.0/6.0 HL/RPL**

A premanufactured dental implant abutment to be directly connected to an endosseous dental implant intended for use as an aid in a prosthetic rehabilitation. It includes a plastic sleeve for wax-up support during laboratory procedure.

To be used with the Steri-Oss™ and Replace External Hex Systems.

## **Direct Abut Engaging/Non-Engaging Gold/Plastic 3.5/4.3 RPL**

A premanufactured dental implant abutment to be directly connected to an endosseous dental implant intended for use as an aid in a prosthetic rehabilitation. It includes a plastic sleeve for wax-up support during laboratory procedure.

To be used with the Replace External Hex System.

Nobel Biocare products are intended and available to be used in a variety of configurations. For further information refer to Nobel Biocare publication Compatibility Information by navigating to [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

The replacement parts portfolio for the Brånemark System® has the following tightening torque (Table 1):

**Table 1 – Brånemark System® Replacement Parts Tightening Torque**

Replacement Screw	Tightening Torque
Prosthetic screw internal hexagon	10Ncm
Prosthetic screw slot	
Prosthetic screw conical	
Converter Screw Titanium Unigrip™ fit Ø 3.0	15 Ncm

Refer to Nobel Biocare Instructions for Use (IFU) IFU1085 for information regarding the Unigrip™ screwdriver. This IFU is available for download at [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

### Replacement Parts Portfolio for Brånemark System® Novum

The replacement screw for the Brånemark System® Novum has a tightening torque of 35 Ncm.

Refer to Nobel Biocare Instructions for Use (IFU) IFU1085 for information regarding the Unigrip™ screwdriver. This IFU is available for download at [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

### Replacement Parts Portfolio for NobelPerfect® System

Final abutments for the NobelPerfect® System have a tightening torque of 35 Ncm.

Refer to Nobel Biocare Instructions for Use (IFU) IFU1085 for information regarding the Unigrip™ screwdriver. This IFU is available for download at [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

### Replacement Parts Portfolio for Steri-Oss™ and Replace External Hex

The replacement screws for Steri-Oss™ and Replace External Hex have a tightening torque of 35 Ncm.

### Replacement Parts Portfolio for Steri-Oss™ Non-Hex

The replacement screws for Steri-Oss™ Non-Hex have a tightening torque of 35 Ncm.

## Intended Use/Intended Purpose

### O-Ring Clinical White

Intended for use as a component of a dental implant-supported bar overdenture system for the fabrication and/or placement of a final dental prosthesis.

### O-Ring Abutment Analog w Spacer

Intended for use in the dental laboratory to facilitate the manufacture of dental prostheses.

### O-Ring for Tools

N/A, no intended use assigned for spare part. See intended use for Torque Wrench Inserts.

### Retainer Ring

Intended for use as a component of a dental implant-supported bar overdenture system for the fabrication and/or placement of a final dental prosthesis.

### Transmucosal Abutment Wrench

Intended for use to tighten and/or loosen dental implant system components with a measurable amount of torque.

## Healing Abutments

Intended to be temporarily connected to an endosseous dental implant or implant abutment to support healing of the surrounding soft tissue.

## Screws

Intended for use to fasten dental implant system components to a dental implant or to another component.

## Screwdrivers

Intended for use to tighten and/or loosen screws used to connect dental implant system components.

## Torque Wrench Inserts

Intended for use as an interface between a wrench and the instrument used to tighten or loosen dental implant system components.

## Implant Replica, Implant Analog, Replica Fixture

Intended for use in the dental laboratory to facilitate the manufacture of dental prostheses.

## Abutments NobelPerfect®

Intended to be connected to an endosseous dental implant to support the placement of a dental prosthesis.

## Impression Coping, Thread Timed Transfer Pin, Transfer Assy Hex Open

Intended for use to transfer the direction, position, or orientation of a dental implant to a patient model.

## Direct Abut Engaging/Non-Engaging Gold/Plastic

Intended to be connected to an endosseous dental implant to support the placement of a dental prosthesis.

## Indications

### O-Ring Clinical White

Dental implant abutments and retainer rings are indicated to be used in the upper or lower jaw and used for supporting tooth replacements to restore chewing function.

### O-Ring Abutment Analog w Spacer

Same as Intended Use/Intended Purpose.

### O-Ring for Tools

The O-Ring for Tools is a spare part used in conjunction with the torque wrench and torque wrench insert and therefore follows that indication.

### Retainer Ring

Dental implant abutments and retainer rings are indicated to be used in the upper or lower jaw and used for supporting tooth replacements to restore chewing function.

### Transmucosal Abutment Wrench

Manual torque wrenches are indicated for use with Nobel Biocare abutments and abutment screws to ensure that the desired torque is achieved during placement of the abutment or screw. Manual torque wrenches can be used as an alternative to machine torque wrenches.

## Healing Abutments

Healing abutments are indicated for use with endosseous dental implants or implant abutments in the maxilla or mandible for supporting single tooth to full arch denture procedures.

### Coping Screw Hex 2mm, Coronal Screw Set 3.25 Non-Hex, Coronal Screw Set 3.8 Non-Hex

Same as Intended Use/Intended Purpose.

### Abutment Screw TorqTite™ 3.8/4.3/4.5/5.0/6.0 HL/RPL, Abutment Screw TorqTite™ 3.25HL/3.5 RPL, Prosthetic screw Unigrip™ Novum

Indicated for use to secure a dental abutment or framework to a dental implant in the maxilla or mandible for supporting tooth replacements to restore chewing function.

### Lower bar screw Unigrip™ Novum

Indicated for use to secure a dental abutment or framework to a dental implant in the mandible for supporting tooth replacements to restore chewing function.

### Converter Screw Titanium Unigrip™ fit Ø3

Indicated for use to fasten dental implant system component to a dental implant or to another component.

### Prosthetic Screw Conical, Prosthetic Screw Slot, Prosthetic Screw Internal Hexagon

Indicated for use to secure a dental abutment or framework to a dental implant in the maxilla or mandible for supporting tooth replacements to restore chewing function.

## Screwdrivers

Same as Intended Use/Intended Purpose.

### Torque Wrench Insert

Torque wrench inserts are indicated for use as an interface between a wrench and the instrument used to tighten or loosen dental implant system components.

### Implant Replica, Implant Analog, Replica Fixture

Same as Intended Use/Intended Purpose.

## Abutments NobelPerfect®

Abutments NobelPerfect® are premanufactured prosthetic components directly connected to the endosseous dental implants and are indicated for use as an aid in prosthetic rehabilitation.

## Impression Copings

Impression copings are indicated to be connected directly to a dental implant or implant abutment to be used to transfer the location and orientation of the dental implant or the abutment from the patient's edentulous or partially edentulous jaw to a master cast in the dental laboratory, using an open tray or closed tray impression technique.

### Thread Timed Transfer Pin, Transfer Assy Hex Open

Same as Intended Use/Intended Purpose.

### Direct Abut Engaging/Non-Engaging Gold/Plastic

A premanufactured prosthetic component directly connected to the endosseous dental implant and is indicated for use as an aid in prosthetic rehabilitation.

## Contraindications

It is contraindicated to use Replacements Parts in:

- Patients who are medically unfit for an oral surgical procedure.
- Patients in whom adequate sizes, numbers and desirable positions of implants are not reachable to achieve safe support of functional or eventually parafunctional loads.
- Patients who are allergic or hypersensitive to white silicone 80 shore, silicone 70 shore, stainless steel, unalloyed titanium grade 4, titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium), brass, POM (Polyoxymethylene), aluminium alloy, and/or gold alloy, Tiodize coating, DLC (Diamond Like Carbon) coating.

## Materials

Product Name	Materials Information
O-Ring Clinical White	White silicone 80 shore
O-Ring Abutment Analog w Spacer	Brass
O-Ring for Tools	Silicone 70 shore
Retainer Ring	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Transmucosal Abutment Wrench	Unalloyed titanium grade 4 according to ASTM F67 and ISO 5832-2, titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3, and silicone 70 shore.
Healing Abutment Ø4.5x3 mm 3.8/4.5 HL	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Healing Abutment Ø4.5x3 mm 3.25 HL	
Healing Abutment Ø6x3 mm 5.0 HL/ Replace® Hex	
Healing Abutment Ø6x3 mm 6.0 HL/RPL	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Healing Abutment Ø3.5x3mm 3.5 mm RPL	
Healing Abutment Ø4.5x3 mm 4.3 Replace® Hex	
Coronal Screw Set 3.25 Non-Hex	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3 and POM (Polyoxymethylene) according to ASTM D6778 or ISO 29988-1.
Coronal Screw Set 3.8 Non-Hex	
Coping Screw Hex 2mm	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3
Abutment Screw TorqTite™ 3.8/4.3/4.5/5.0/6.0 HL/RPL	
Abutment Screw TorqTite™ 3.25HL/3.5 RPL	
Prosthetic screw Unigrip™ Novum	Stainless steel 1.4305/AISI 303 austenitic steel according to ASTM F899 and EN 10088-3 and unalloyed titanium grade 4 according to ASTM F67 and ISO 5832-2.
Lower bar screw Unigrip™ Novum	
Converter Screw Titanium Unigrip™ fit Ø3	
Prosthetic Screw Conical	Stainless steel 1.4543 GG according to ASTM F899
Prosthetic Screw Slot	
Prosthetic Screw Internal Hexagon	
Screwdriver Hex 0.050" Length 0.75"	Stainless steel 1.4197/AISI420F Mod according to ASTM F899.
Screwdriver Hex 0.050" Length 1.25"	
Screwdriver Machine Slot	Stainless steel 1.4197/AISI420F Mod according to ASTM F899.
Screwdriver Manual Ball Abutment 22 mm	
Screwdriver Machine Ball Abutment 24 mm	

Machine screwdriver hex long	Stainless steel according to ASTM F899.
Machine screwdriver slot short	
Machine screwdriver slot long	
Screwdriver Hexagon 27 mm	Stainless steel according to ASTM F899, stainless steel 1.4305/AISI 303 austenitic steel according to ASTM F899 and EN 10088-3, and stainless steel 1.4301/AISI 304 austenitic steel according to ASTM F899.
Screwdriver Medium 37 mm	
Screwdriver Slot Short 27 mm	
Torque Wrench Insert Hex 0.050" Short	Stainless steel 1.4543 GG according to ASTM F899 and silicone 70 shore
Torque Wrench Insert Hex 0.050" Long	
Torque Wrench Insert Transmucosal Abutment	Stainless steel 1.4542/AISI 630 according to ASTM F899 and silicone 70 shore
Implant Analog 3.8/4.5 HL	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Implant Analog 5.0 HL/RPL	
Implant Analog 6.0 HL/RPL	
Implant Replica NobelPerfect® NP	
Implant Replica NobelPerfect® WP	
Implant Replica NobelPerfect® RP	
Implant Analog 3.5 RPL	
Implant Analog 4.3 RPL	
Replica Fixture Novum	
Implant Analog Non-Hex	Aluminium alloy (SM01-1057)
Abutment NobelPerfect® NP	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Abutment NobelPerfect® RP	
Abutment NobelPerfect® WP	
Implant Lev Impr Coping NobelPerfect® NP	
Impl Level Impr Coping NobelPerfect® RP	
Implant Lev Impr Coping NobelPerfect® WP	
Impression Coping to Fixture Novum	Unalloyed titanium grade 1 according to ASTM F 67 and stainless steel 1.4305/AISI 303 austenitic steel according to ASTM F899 and EN 10088-3.
Thread Timed Transfer Pin 3.25 Non-Hex	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3.
Transfer Assy Hex Open Tray 4.5D 3.25 HL	Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3 and silicone 70 shore.
Transfer Assy Hex Open Tray 3.5D 3.5 RPL	
Transfer Assy Hex Open Tray 4.5D 4.3 RPL	
Transf Assy Hex Open Tray 6D 5.0 HL/RPL	
Transf Assy Hex Open Tray 6D 6.0 HL/RPL	
Transf Assy Hex Open Tray 4.5 3.8/4.5 HL	
Direct Abut Eng Gold/Plastic 5.0 HL/RPL	Gold alloy, Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3, POM (Polyoxymethylene) according to ASTM D6778 or ISO 29988-1 and Tiodize coating.
Direct Abut Non-Eng Gold/Plc 5.0 HL/RPL	
Direct Abut Eng Gold/Plastic 6.0 HL/RPL	
Direct Abut Non-Eng Gold/Plc 6.0 HL/RPL	
Direct Abutment Engaging Gold/Plastic 4.3 RPL	
Direct Abutment Non-Engaging Gold/Plastic 4.3 RPL	
Direct Abutment Engaging Gold/Plastic 3.5 RPL	Gold alloy, Titanium alloy Ti-6Al-4V (90% titanium, 6% aluminum, 4% vanadium) according to ASTM F136 and ISO 5832-3, POM (Polyoxymethylene) according to ASTM D6778 or ISO 29988-1 and DLC (Diamond like Carbon) coating.
Direct Abutment Non-Engaging Gold/Plastic 3.5 RPL	

## Cautions

### General

Close cooperation between surgeon, restorative dentist and dental laboratory technician is essential for a successful implant treatment.

Nobel Biocare's replacement parts must only be used with compatible Nobel Biocare or 3rd-party instruments and/or components and/or prosthetic components. Use of instruments and/or components and/or prosthetic components that are not intended to be used in combination with Nobel Biocare's replacement parts can lead to product failure, damage to tissue, or unsatisfactory esthetic results.

When using a new device/treatment method for the first time, working with a colleague who is experienced with the new device/treatment method may help avoid possible complications. Nobel Biocare has a global network of mentors available for this purpose.

### Before Surgery

All components, instruments and tooling used during the surgical and/or laboratory procedure must be maintained in good condition and care must be taken that instrumentation does not damage implants or other components.

### At Surgery

Because of the small sizes of the devices, care must be taken that they are not swallowed or aspirated by the patient. It is appropriate to use specific supporting tools to prevent aspiration of loose parts (e.g. gauze, dental dam, or throat shield).

### After Surgery

To help ensure a successful long term-treatment outcome, it is advised to provide comprehensive regular patient follow up after implant treatment and to inform the patient about appropriate oral hygiene.

## Intended Users and Patient Groups

Replacement parts are to be used by dental health care professionals.

Replacement parts are to be used in patients subject to dental implant treatment.

## Clinical Benefits and Undesirable Side Effects

### Clinical Benefits Associated with Replacement parts

Replacement parts are a component of treatment with a dental implant system and/or dental crowns and bridges. As a clinical benefit of treatment, patients can expect to have their missing teeth replaced and/or crowns restored.

## Undesirable Side Effects Associated with Replacement parts

### Abutments

The placement of this device is part of an invasive treatment which may be associated with typical side effects such as inflammation, infection, bleeding, hematoma, pain, swelling. During abutment placement or removal, the pharyngeal reflect (gag reflex) may be triggered in patients with a sensitive gag reflex.

Implant abutments are part of a multi-component system that replaces teeth and as a result, the implant recipient may experience side effects similar to those associated with teeth, such as retained cement, calculus, mucositis, ulcers, soft tissue hyperplasia, soft and/or hard tissue recessions. Some patients may experience discoloration in the mucosal area such as graying.

### Screws

During screw placement or removal, the pharyngeal reflect (gag reflex) may be triggered in patients with a sensitive gag reflex.

Where required per the European Medical Device Regulation (MDR; EU 2017/745) a Summary of Safety and Clinical Performance document (SSCP) is available for the abutments and screws. The SSCP can be obtained at the following website: [ec.europa.eu/tools/eudamed](https://ec.europa.eu/tools/eudamed)<sup>1</sup>

<sup>1</sup> Website available upon launch of the European Database on Medical Devices (EUDAMED)

## Notice regarding serious incidents

For a patient/user/third party in the European Union and in countries with an identical regulatory regime (Regulation 2017/745/EU on Medical Devices); if, during the use of this device or as a result of its use, a serious incident has occurred, please report it to the manufacturer and to your national authority. The contact information for the manufacturer of this device to report a serious incident is as follows:

Nobel Biocare AB  
[www.nobelbiocare.com/complaint-form](https://www.nobelbiocare.com/complaint-form)

### Torque Wrenches and Screw Drivers

During use of this device the pharyngeal (gag) reflex may be triggered in patients with a sensitive gag reflex.

### Instruments Intended for Clinical Use

During use of this device the pharyngeal (gag) reflex may be triggered in patients with a sensitive gag reflex.

### Laboratory Devices

None known.

## Handling Procedure

### Brånemark System®

#### Clinical Procedure:

- Select the appropriate screw for the abutment or framework.
- Following conventional procedures, insert the screw into the abutment or framework and place the assembly onto the implant or abutment.

- Tighten the screw using dedicated screwdriver and Manual Torque Wrench Prosthetic. Refer to Nobel Biocare IFU1098 for information regarding the Manual Torque Wrench Prosthetic. See Table 1 for compatible screwdrivers and tightening torques.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

### Brånemark System® Novum

#### Clinical Procedure:

- Connect the impression coping to the implant. Ensure that the connection is clean and free of any tissues. Use the Unigrip™ screwdriver and hand-tighten the pin.
- It is recommended to verify the proper seating using radiographic imaging.
- Block out the screwdriver indentation on the impression coping pin.
- Inject appropriate impression material around the impression coping and into the tray. Record the impression.
- Unscrew the impression coping pin, remove the tray and send it to the dental laboratory.

#### Laboratory Procedure:

- Attach the implant replica (Replica Fixture Novum) to the impression coping.
- Fabricate a master cast with removable soft tissue.
- Follow the shipping instructions for NobelProcera® Scan and Design service.

#### Clinical Procedure:

- Upon receiving the finalized restoration, connect it using Prosthetic screw Unigrip™ Novum. Tighten the screw to 35 Ncm using Unigrip™ screwdriver and Manual Torque Wrench prosthetic.
- If replacement of the bar screw is required, use the Lower bar screw Unigrip™ Novum and tighten it to 35 Ncm using Unigrip™ screwdriver and Manual Torque Wrench prosthetic.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

### NobelPerfect® System

#### Clinical Procedure:

- Connect the impression coping into the implant and hand-tighten it using the Unigrip™ screwdriver.
- It is recommended to verify the proper seating using radiographic imaging.
- Block out the screwdriver indentation on the impression coping pin.
- Inject appropriate impression material around the impression coping and into the tray. Record the impression.
- Remove the impression tray and unscrew the impression coping from the implant. Reseat the impression coping into the impression.
- Send the impression to the dental laboratory.

#### Laboratory Procedure:

- Upon receiving the impression, connect the corresponding implant replica to the impression coping. Fabricate a master cast with removable soft tissue.
- Connect the abutment to the implant replica and check for occlusal clearance. Use NobelReplace® laboratory screw for processing the abutment in the laboratory.
- Modify the abutment if necessary. Do not modify the abutment connection. Implant replica can be used to protect the abutment interface.
- Fabricate the crown with NobelProcera® technique or with conventional casting technique.

#### Clinical Procedure:

- Clean and disinfect the abutment and crown upon receiving it from the dental laboratory.
- Connect the abutment to the implant and tighten it to 35 Ncm using Unigrip™ screwdriver and Manual Torque Wrench prosthetic.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

- It is recommended to verify the proper seating using radiographic imaging.
- Block the clinical screw head using Teflon tape.
- Cement the final crown using conventional procedures. Remove excess cement.
- If a replacement screw is needed for NobelPerfect® restoration, a corresponding NobelReplace® screw should be used (for NP: article no.36818, for RP and WP: article no. 29475).

**Caution** Do not use temporary cement when cementing ceramic crowns due to increased risk of micro fractures.

### NobelPerfect® - Healing Abutments

#### Clinical Procedure:

- Select an appropriate healing abutment and check the occlusal clearance.
- Hand-tighten the healing abutment using Unigrip™ screwdriver.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

- It is recommended to verify the final abutment seating using radiographic imaging.

### Steri-Oss™ and Replace External Hex

#### Steri-Oss™ and Replace External Hex – O-Ring Abutment

To exchange the O-ring or retainer ring, remove the old part and position a new O-ring or retainer ring in its place.

#### Steri-Oss™ and Replace External Hex – Implant-level Restorations

#### Clinical Procedure:

- Connect the impression coping into the implant and hand-tighten it using the dedicated Screwdriver Hex 0.050".

- It is recommended to verify the proper seating of the impression coping using radiographic imaging.
- Block out the screwdriver indentation on the impression coping pin.
- Inject appropriate impression material around the impression coping and into the tray.
- Record the impression.
- Unscrew the impression coping pin and remove the impression tray.
- Send the impression to the dental laboratory.

#### Laboratory Procedure:

- Upon receiving the impression, connect the corresponding implant replica to the impression coping. Fabricate a master cast with removable soft tissue.
- Connect the gold coping to the replica and fabricate the final restoration with conventional casting technique. It is recommended to cast alloys.

**Caution** Do not sandblast the seating surfaces.

- Finalize the restoration following the restorative material manufacturer's guidelines.

#### Clinical Procedure:

- Upon receiving the restoration clean and disinfect it following the restorative material manufacturer's guidelines.
- Connect the restoration to the implant with clinical screws using dedicated Screwdriver Hex 0.050".

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

- It is recommended to verify the proper seating using radiographic imaging.
- Block the clinical screw head using Teflon tape and close the screw access hole using composite.

#### Steri-Oss™ Non-hex

#### Clinical Procedure:

- Connect the impression coping into the implant and hand-tighten it using the dedicated Screwdriver Hex 0.050".
- It is recommended to verify the proper seating of the impression coping using radiographic imaging.
- Block out the screwdriver indentation on the impression coping pin.
- Inject appropriate impression material around the impression coping and into the tray. Record the impression.
- Unscrew the impression coping pin and remove the impression tray.
- Send the impression to the dental laboratory.

#### Laboratory Procedure:

- Upon receiving the impression, connect the corresponding implant replica to the impression coping. Fabricate a master cast with removable soft tissue.

- Connect and hand-tighten the Coronal screw set to the replicas using dedicated Screwdriver Hex 0.050”.
- Create a cast alloy bar following conventional procedures.
- Process the attachments into the overdenture.
- Complete and finish the restoration.

#### Clinical Procedure:

- Tighten the framework to 20 Ncm using Manual Torque Wrench prosthetic and dedicated Screwdriver Hex 0.050”.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of the screw may lead to a screw fracture and/or damage of the component.

### Ball Abutment

#### Clinical Procedure using Manual Screwdriver:

- Engage the Screwdriver Manual Ball Abutment with light pressure to the Ball Abutment.
- Tighten the Abutment by hand.

#### Clinical Procedure using Machine Screwdriver:

- Connect the screwdriver to the Manual Torque Wrench prosthetic.
- Engage the screwdriver with light pressure to the Ball Abutment and tighten it to 15 Ncm.

For further instructions, refer to IFU1024 for Ball Abutment. This IFU is available for download at [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

To adjust the retention of the Gold Caps within the overdenture, turn the lamellae retention insert clockwise (increasing) or counter-clockwise (decreasing) using the Screwdriver/Activator.

**Note** Do not turn the Screwdriver/Activator more than one turn.

### Other Replacement Parts/Screws

- Shall an exchange of the clinical screw be required, select the appropriate screw for the framework.
- Following conventional procedures insert the screw into the framework and place the assembly into the implant.
- Tighten the screw using Unigrip™ screwdriver and Manual Torque Wrench prosthetic as per implant manufacturer instructions.

**Caution** Never exceed recommended maximum tightening torque for the screw. Overtightening of abutment may lead to a screw fracture.

## Sterility and Reusability Information

Healing Abutments have been sterilized using irradiation and are intended for single use only. Do not use after the labeled expiration date.

**Warning** Do not use device if the packaging has been damaged or previously opened as the device sterility and/or integrity may be compromised.

**Caution** Healing Abutments are single use product(s) and must not be reprocessed. Reprocessing could cause loss of mechanical, chemical and/or biological characteristics. Reuse could cause local or systemic infection.

O-Ring Clinical White, Coping Screw Hex, Retainer Ring, Coronal Screw Set, Abutment Screw TorqTite™, Prosthetic screw Unigrip™ Novum Lower bar screw Unigrip™ Novum, Abutment NobelPerfect®, and Direct Abutments Gold/Plastic are delivered non-sterile and are intended for single use only. Prior to use clean and sterilize the product following the manual or automated procedure in the Cleaning and Sterilization Instructions.

**Warning** Use of non-sterile device may lead to infection of tissues or infectious diseases.

**Caution** O-Ring Clinical White, Coping Screw Hex, Retainer Ring, Coronal Screw Set, Abutment Screw TorqTite™, Prosthetic screw Unigrip™ Novum Lower bar screw Unigrip™ Novum, Abutment NobelPerfect®, Converter Screw Titanium Unigrip™ Prosthetic Screw Conical, Prosthetic Screw Slot, Prosthetic Screw Internal Hexagon, O-Ring for Tools 2 sets, and Direct Abutments Gold/Plastic are single use products and must not be reprocessed. Reprocessing could cause loss of mechanical, chemical and/or biological characteristics. Reuse could cause local or systemic infection.

**Warning** Do not use device if the packaging has been damaged.

The Implant Replicas and Implant Analog are used in the dental laboratory only (no intraoral use) and has/have no cleaning and/or sterilization requirements.

Screwdriver Hex, Transmucosal Abutment Wrench, Screwdriver Machine Slot, Torque Wrench Insert Hex, Torque Wrench Insert Transmucosal Abutment, O-Ring Abutment Analog w Spacer, Screwdriver Manual Ball Abutment, Implant Lev Impr Coping NobelPerfect®, Impression Coping to Fixture Novum, Thread Timed Transfer Pin, Transfer Assy Hex Open Tray, Machine screwdriver, Screwdriver Medium, Screwdriver Slot Short and Screwdriver Hexagon are delivered non-sterile and are intended for reuse. Prior to use clean and sterilize the product following the manual or automated procedure in the Cleaning and Sterilization Instructions.

**Warning** Use of non-sterile device may lead to infection of tissues or infectious diseases.

Inspect for visible corrosion, when applicable, and inspect for mechanical wear or damage.

**Warning** Do not use device if the packaging has been damaged.

## Cleaning and Sterilization Instructions

These products are intended to be cleaned and sterilized. For further information refer to Nobel Biocare publication **Cleaning and Sterilization Instructions** by navigating to [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

## Magnetic Resonance (MR) Safety Information

These products are fabricated from a metal material which can be affected by MR energy. For further information refer to Nobel Biocare publication **Magnetic Resonance (MR) Safety Information** by navigating to [ifu.nobelbiocare.com](http://ifu.nobelbiocare.com).

## Performance Requirements and Limitations

To achieve the desired performance, the devices must only be used with the products described in this Instructions for Use and/or in the Instructions for Use for other compatible Nobel Biocare products, and in accordance with the Intended Use for each product. To confirm the compatibility of products which are intended to be used in conjunction with the devices, check the color coding, dimensions, lengths, connection type and/or any direct marking as applicable on the products or product labeling.

## Facilities and Training

It is strongly recommended that new and experienced users of Nobel Biocare products always go through special training before using a new product for the first time. Nobel Biocare offers a wide range of courses for various levels of knowledge and experience. For more information please visit [www.nobelbiocare.com](http://www.nobelbiocare.com).

## Storage, Handling and Transportation

The device must be stored and transported in dry conditions in the original packaging at room temperature and not exposed to direct sunlight. Incorrect storage and transportation may influence device characteristics leading to failure.

## Disposal

Safely discard potentially contaminated or no longer usable medical devices as healthcare (clinical) waste in accordance with local healthcare guidelines, country and government legislation or policy.

Separation, re-cycling or disposal of packaging material shall follow local country and government legislation on packaging and packaging waste, where applicable.

## Manufacturer and Distributor Information

### Manufacturer



Nobel Biocare AB  
PO Box 5190, 402 26  
Västra Hamngatan 1  
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411 17  
Sweden  
[www.nobelbiocare.com](http://www.nobelbiocare.com)

### UK Responsible Person



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### Distributed in Turkey by

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### Distributed in New Zealand by

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33 Spartan Road  
Takanini, Auckland, 2105 New Zealand  
Phone: +64 0800 441 657

### CE Mark for Class I Devices



### CE Mark for Class IIa/IIb Devices



### UKCA Mark for Class I Devices



### UKCA Mark for Class IIa/IIb Devices



**Note** Refer to the product label to determine the applicable conformity marking for each device.

**Note** Regarding Canadian device licensure, not all products described in the IFU may have a device licence according to Canadian law.

# Basic UDI-DI Information

Product	Basic UDI-DI Number
Healing Abutment Ø4.5x3 mm 3.8/4.5 HL	73327470000001236T
Healing Abutment Ø4.5x3 mm 3.25 HL	73327470000001236T
Healing Abutment Ø6x3 mm 5.0 HL/Replace® Hex	73327470000001236T
Healing Abutment Ø6x3 mm 6.0 HL/Replace® Hex	73327470000001236T
Healing Abutment Ø3.5x3mm 3.5 mm RPL	73327470000001236T
Healing Abutment Ø4.5x3 mm 4.3 Replace® Hex	73327470000001236T
O-Ring Clinical White 12/pkg	73327470000001506W
Retainer Ring 2/pkg	73327470000001506W
Abutment NobelPerfect® NP	73327470000001697K
Abutment NobelPerfect® WP	73327470000001697K
Abutment NobelPerfect® RP	73327470000001697K
Screwdriver Hex 0.050" Length 0.75"	73327470000001777J
Screwdriver Hex 0.050" Length 1.25"	73327470000001777J
Screwdriver Manual Ball Abutment 22 mm	73327470000001777J
Screwdriver Hexagon 27 mm	73327470000001777J
Screwdriver Medium 37 mm	73327470000001777J
Screwdriver Slot Short 27 mm	73327470000001777J
Screwdriver Machine Slot	73327470000001797N
Screwdriver Machine Ball Abutment 24 mm	73327470000001797N
Machine screwdriver hex long	73327470000001797N
Machine screwdriver slot short	73327470000001797N
Machine screwdriver slot long	73327470000001797N
Coping Screw Hex 2mm 4/pkg	73327470000001837D
Coronal Screw Set 3.25 Non-Hex	73327470000001837D
Coronal Screw Set 3.8 Non-Hex	73327470000001837D
Abutment Screw TorqTite™ 3.8/4.3/4.5/5.0/6.0 HL/RPL	73327470000001837D
Prosthetic screw Unigrip™ Novum 2-pack	73327470000001837D
Lower bar screw Unigrip™ Novum 3-pack	73327470000001837D
Converter Screw Titanium Unigrip™ fit Ø3	73327470000001837D
Prosthetic Screw Conical	73327470000001837D
Prosthetic Screw Slot	73327470000001837D
Prosthetic Screw Internal Hexagon	73327470000001837D
Torque Wrench Insert Hex 0.050" Short	73327470000001897R
Torque Wrench Insert Hex 0.050" Long	73327470000001897R
Torque Wrench Insert Transmucosal Abutment	73327470000001897R
Implant Level Impression Coping NobelPerfect® NP	73327470000001977Q
Implant Level Impression Coping NobelPerfect® WP	73327470000001977Q
Impression Coping to Fixture Novum	73327470000001977Q
Implant Level Impression Coping NobelPerfect® RP	73327470000001977Q
Thread Timed Transfer Pin 3.25 Non-Hex	73327470000001977Q
Transfer Assembly Hex Open Tray 4.5mmD 3.25 HL	73327470000001977Q
Transfer Assembly Hex Open Tray 3.5mmD 3.5mm Replace® Hex	73327470000001977Q
Transfer Assembly Hex Open Tray 4.5mmD 4.3mm Replace® Hex	73327470000001977Q
Transfer Assembly Hex Open Tray 6.0mmD 5.0mm HL/ Replace® Hex	73327470000001977Q
Transfer Assembly Hex Open Tray 6.0mmD 6.0mm HL/ Replace® Hex	73327470000001977Q
Transfer Assembly Hex Open Tray 4.5mmD 3.8/4.5 HL	73327470000001977Q
O-Ring Abutment Analog w Spacer 2/pkg	73327470000002026Q

Implant Analog 3.8/4.5 HL	73327470000002026Q
Implant Analog 5.0 HL/RPL	73327470000002026Q
Implant Analog 6.0 HL/RPL	73327470000002026Q
Replica Fixture Novum	73327470000002026Q
Implant Replica NobelPerfect® NP	73327470000002026Q
Implant Replica NobelPerfect® WP	73327470000002026Q
Implant Replica NobelPerfect® RP	73327470000002026Q
Implant Analog Non-Hex	73327470000002026Q
Implant Analog 3.5 RPL	73327470000002026Q
Implant Analog 4.3 RPL	73327470000002026Q
Transmucosal Abutment Wrench	73327470000002316X
O-Ring for Tools 2 sets of 5/pkg	SPARE PART NOT CE MARKED
Direct Abut Eng Gold/Plastic 5.0 HL/RPL	73327470000001697K
Direct Abut Non-Eng Gold/Plc 5.0 HL/RPL	73327470000001697K
Direct Abut Eng Gold/Plastic 6.0 HL/RPL	73327470000001697K
Direct Abut Non-Eng Gold/Plc 6.0 HL/RPL	73327470000001697K
Direct Abutment Engaging Gold/Plastic 3.5 RPL	73327470000001697K
Direct Abutment Non-Engaging Gold/Plastic 3.5 RPL	73327470000001697K
Direct Abutment Engaging Gold/Plastic 4.3 RPL	73327470000001697K
Direct Abutment Non-Engaging Gold/Plastic 4.3 RPL	73327470000001697K

## Legal Statements

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## Symbols Glossary

Please refer to the packaging label for the applicable symbols related to the product. On the packaging label you may encounter various symbols to convey a specific information about the product and/or its use. For further information refer to Nobel Biocare publication to the **Symbols Glossary** by navigating to [ifu.nobelbiocare.com](https://ifu.nobelbiocare.com).