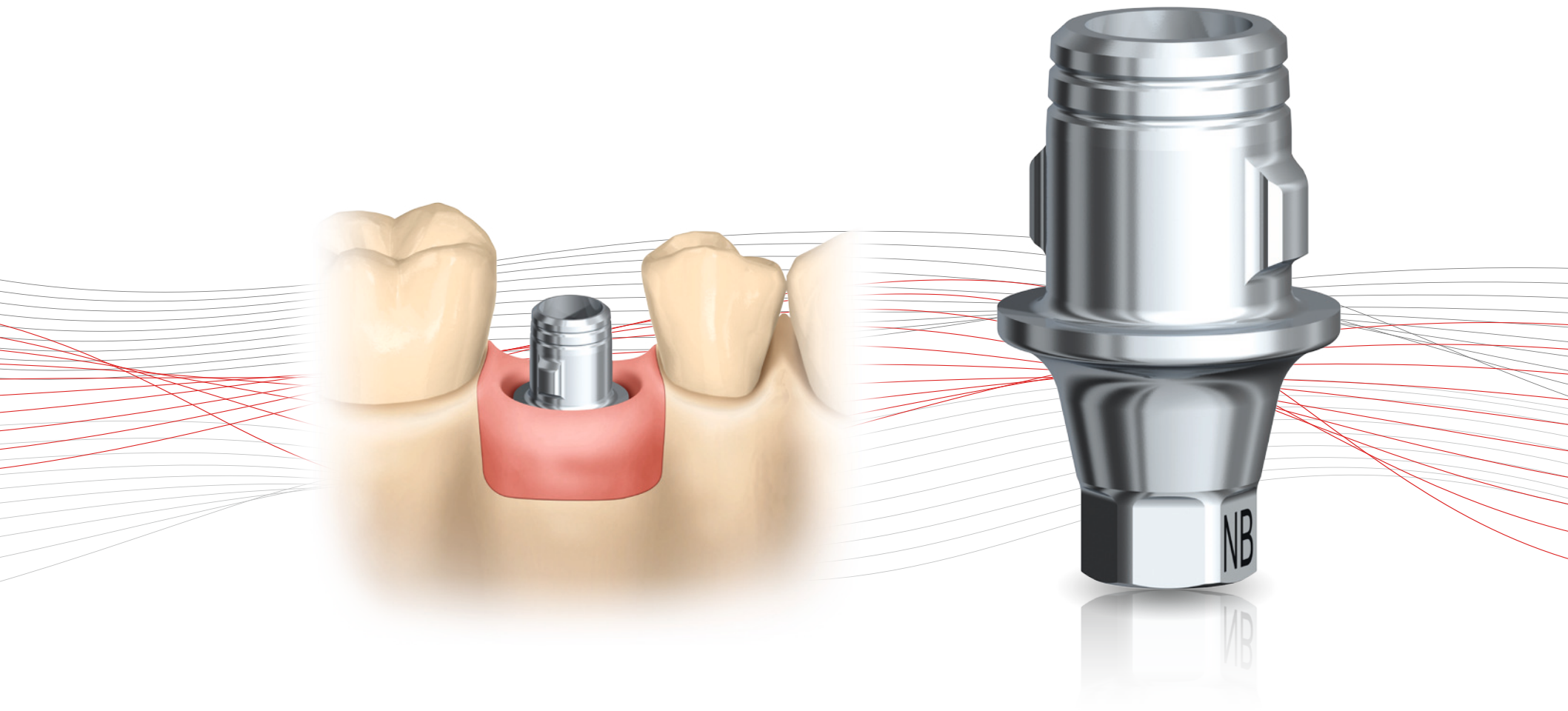# Universal Base
Workflow chart

Abutments, made your way

Quickly create quality abutments for Nobel Biocare implants using whichever workflow you prefer. The whole system – from the implant and the clinical screw to the universal base – are tested together. This ensures all the components you receive, work together for optimal long-term performance.

Biomechanical investigations and micro gap measurements with cross-sectional SEM images highlight the precise fit that's only guaranteed by the original abutment-implant interface.

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.

Conventional press workflow

What do I need?

Ø Post diameter: 3.42 mm

Adjustable height: 1.5 mm

Post height: 4 mm

Choose between 1.5 or 3 mm height

Clinical screw and burn-out coping included

38213	Universal Base CC NP 1.5mm
38214	Universal Base CC RP 1.5mm
38215	Universal Base CC WP 1.5mm
38216	Universal Base CC NP 3mm
38217	Universal Base CC RP 3mm
38218	Universal Base CC WP 3mm

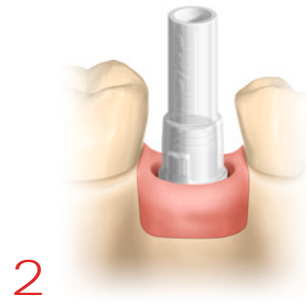Order online: store.nobelbiocare.com

Nobel Biocare Universal Base and burn-out coping

How does it work?
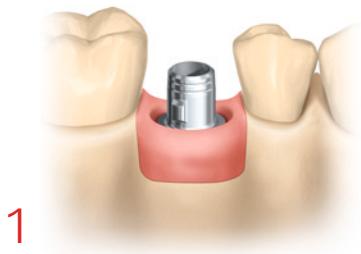
1
Universal Base preparation
– Hand-tighten the Universal Base onto the model. Make sure to use the laboratory screw.

2
Burn-out coping preparation
– Seat the burn-out coping onto the Universal Base.
– Adjust the height of the burn-out coping according to the required occlusal plane. Make sure the Universal Base remains fully covered.

3
Production
– Create a wax-up restoration and use the standard procedure to either press or cast the coping or full-contour crown. Finalize the restoration.
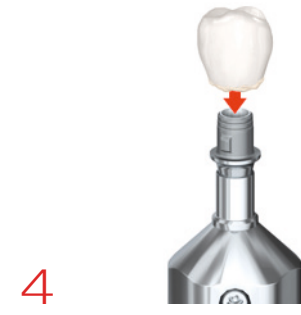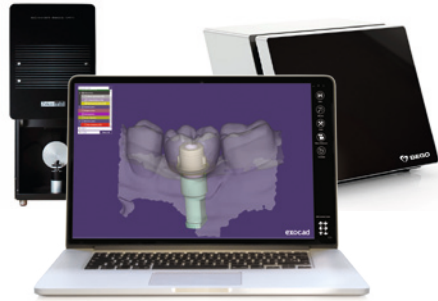
4
Finalization
– Seal the screw channel with wax.
– Sandblast the contact surface of the Universal Base with aluminium oxide 50 µm at a maximum of 2 bar.
  Caution: Do not sandblast the seating area.
  Tip: during the blasting procedure, use a protection analog to prevent any modification of the abutment / implant interface.
– Clean the surface with alcohol or steam.
– Bond the restoration to the Universal Base according to the cement manufacturer's instructions. Use only self-adhesive dental cement/bonding material suitable for zirconium dioxide ceramics or PMMA.

CAD/CAM workflow with exocad® software

Order online:
store.nobelbiocare.com

Download here:
nobelbiocare.com/stl

Order online:
store.nobelbiocare.com

Any CAD/CAM system that integrates with exocad® software

NobelProcera Abutment Position Locator

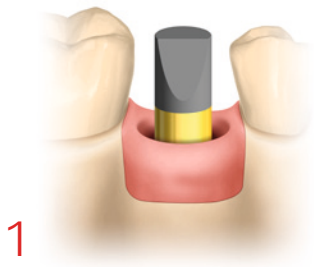| Conical Connection NP | 36736 |
| Conical Connection RP | 36737 |
| Conical Connection WP | 37569 |

Nobel Biocare stl file exocad
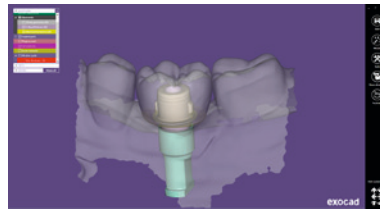
Nobel Biocare Universal Base

How does it work?

1

Scanning
– Insert the NobelProcera Abutment Position Locator onto the model.
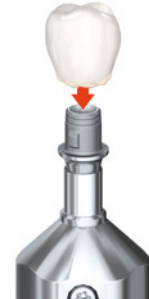– Scan by following the usual scan routines.

2

Designing
– In the implant library select the height and implant diameter for the Universal Base.
– Design the implant crown using standard CAD tools.

3

Milling
– Send the design file to a milling unit or production facility that accepts exocad design files.

4

Finalization
– Once the restoration is produced, finalize it following the material manufacturer's instructions.
– Seal the screw channel with wax.
– Sandblast the contact surface of the Universal Base with aluminium oxide 50 μm at a maximum of 2 bar.
   Caution: Do not sandblast the seating area.
– Clean the surface with alcohol or steam.
– Bond the restoration to the Universal Base according to the cement manufacturer's instructions. Use only self-adhesive dental cement/bonding material suitable for zirconium dioxide ceramics or PMMA.

CAD/CAM workflow with 3Shape® Dental System™

What do I need?

3Shape Dental System™*

ELOS Desktop Scan Bodies

Order online:
store.nobelbiocare.com

Conical connection NP	2B-A
Conical connection RP	2B-B
Conical connection WP	2B-C

Nobel Biocare DME file for 3Shape®

Download here:
nobelbiocare.com/stl
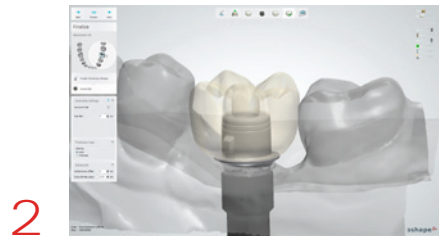
Nobel Biocare Universal Base

Order online:
store.nobelbiocare.com

How does it work?

1

Scanning
– Use the ELOS Pinol Screwdriver to screw the ELOS Desktop Scan Body on the the model.
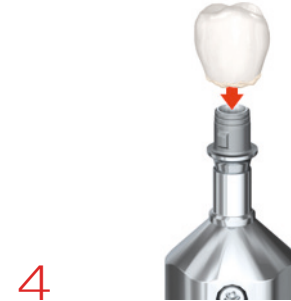– Scan following the usual scan routines.

2

Designing
– In the implant library, select the height and implant diameter for the Universal Base.
– Design the implant crown using standard CAD tools.

3

Milling
– Send the design file to a milling unit or production facility accepting 3Shape® design files.

4

Finalization
– Once the restoration is produced, finalize it following the material manufacturer's instructions.
– Seal the screw channel with wax.
– Sandblast the contact surface of the Universal Base with aluminium oxide 50 µm at a maximum of 2 bar.
  Caution: Do not sandblast the seating area.
– Clean the surface with alcohol or steam.
– Bond the restoration to the Universal Base according to the cement manufacturer's instructions. Use only self-adhesive dental cement/bonding material suitable for zirconium dioxide ceramics or PMMA.

CAD/CAM workflow without component integration

What do I need?

Any CAD/CAM System, including
intraoral scanning systems

Order online:
store.nobelbiocare.com
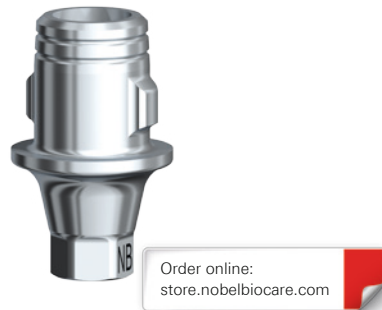
Nobel Biocare Universal Base
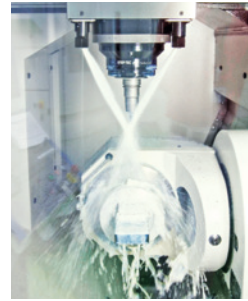

How does it work?
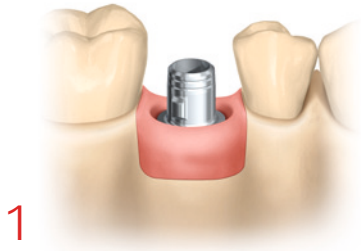
1

Scanning
– Block out screw access hole and
  undercuts of the mounted Universal
  Base (e.g. with putty), in case the
  software does not support virtual
  blocking out.
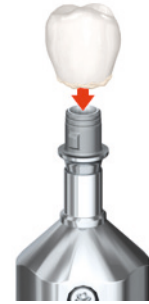– Scan spray may be applied.

2

Designing
– Design the implant crown using
  standard CAD tools.

3

Milling
– Send the design file to a milling
  unit or production facility that
 accepts the design files.

4

Finalization
– Once the restoration is produced, finalize
  it following the material manufacturer's
  instructions.
– Seal the screw channel with wax.
– Sandblast the contact surface of the
  Universal Base with aluminium oxide
  50 µm at a maximum of 2 bar.
  Caution: Do not sandblast the seating area.
– Clean the surface with alcohol or steam.
– Bond the restoration to the Universal Base
  according to the cement manufacturer's
  instructions. Use only self-adhesive dental
  cement/bonding material suitable for
  zirconium dioxide ceramics or PMMA.

Clinical procedure
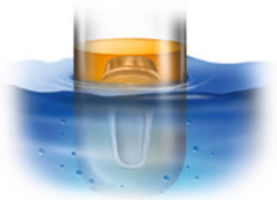
1

Preparation
– Remove the restoration from the implant analog.
– Clean and disinfect according to the cleaning and
  sterilization guidelines.*

* refer to nobelbiocare.com/sterilization

2

Insertion
– After removing the temporary abutment or healing cap,
  connect and tighten the final restoration to the implant.
– It is recommended to verify the seating of the restoration
  with a radiographic scan.
– Tighten the Universal Base restoration to 35 Ncm using
  the Unigrip Screwdriver and Manual Torque Wrench
  Prosthetic.
  Important: Never exceed 35 Ncm prosthetic tightening
  torque for the abutment screw. Overtightening of the
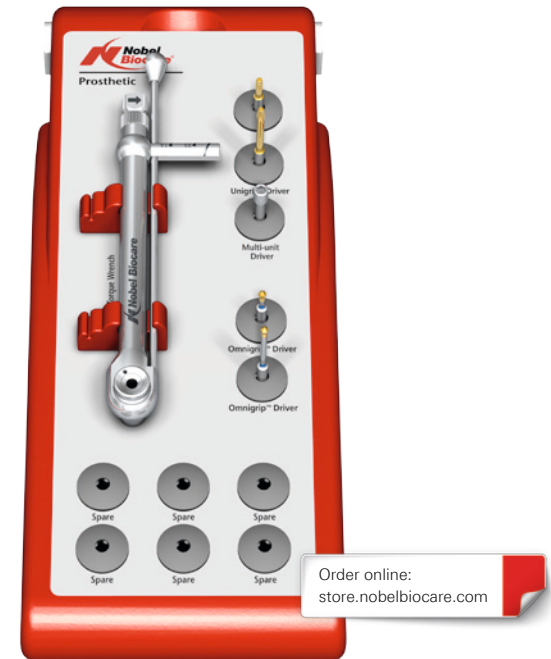 abutment may lead to screw fracture.

3

Finalization
– Block-out the screw head (e.g. with teflon, gutta-percha,
  cotton, any permanent soft resin etc.) before closing
  the screw access hole with composite. This ensures that
  no composite blocks access to the screw head, allowing
  easy removal of the restoration at any time.
– Close the screw access hole using dental composite,
  adhering to the manufacturer's bonding and curing
  guidelines.

Be optimally equipped with the prosthetic kit

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Prosthetic kit 37448

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