

Nobel Biocare zygomatic implants

Now with TiUltra™ and Xeal™ surfaces

- Designed for soft tissue health, and stability, to minimize complications.

Proven and immediate solution¹

- The graftless solution that allows immediate loading, backed by 81 studies².
- Excellent long-term survival rates at implant and prosthetic level, with up to 20 years' follow up.

Advanced treatment option¹

- Immediate improvement in quality of life for patients with severe maxillary bone resorption.



Join the NEW Zygoma Academy

Join a new community of clinicians looking to advance their skills in zygomatic implants through personalized learning and mentorship from experts around the world.



Mentoring

Shadowing

Courses

Study clubs

Webinars

More than 25 years'
clinical experience¹



81
Clinical studies published



2,700+
Patients



6,500+
Nobel Biocare implants placed



Designed for ease of placement and high primary stability, with a proven apex geometry.

1. Nobel Biocare Zygoma implant family
2. Data is on file at Nobel Biocare and can be provided upon request
3. Mean survival rate across publications and maximum follow-up of over 20 years

Long history of proven implant design

2024

NobelZygoma™
0° / 45° TiUltra™



2016

NobelZygoma™
0° / 45° TiUnite®



2005

Brånemark System®
Zygoma TiUnite®



1997

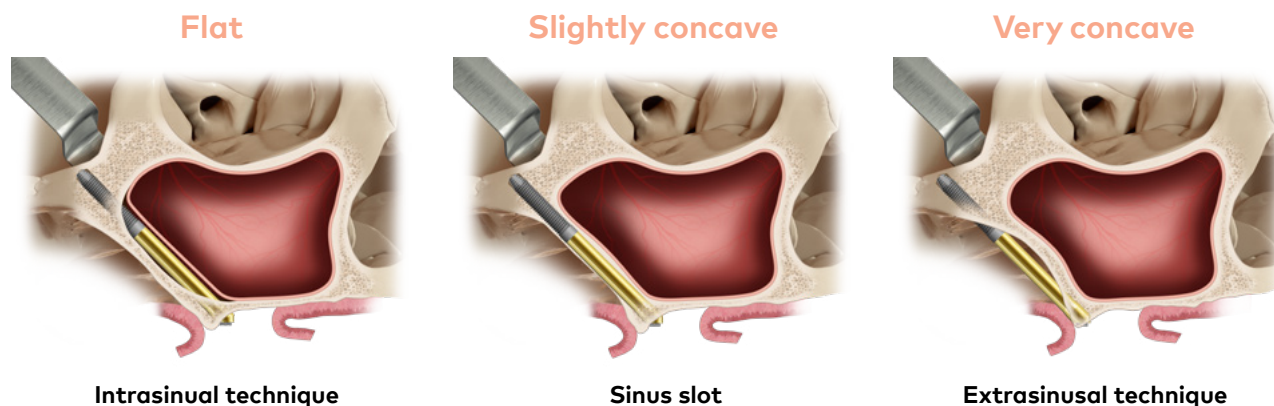
Zygoma RP
Implant Machined



Anatomically guided surgical approach

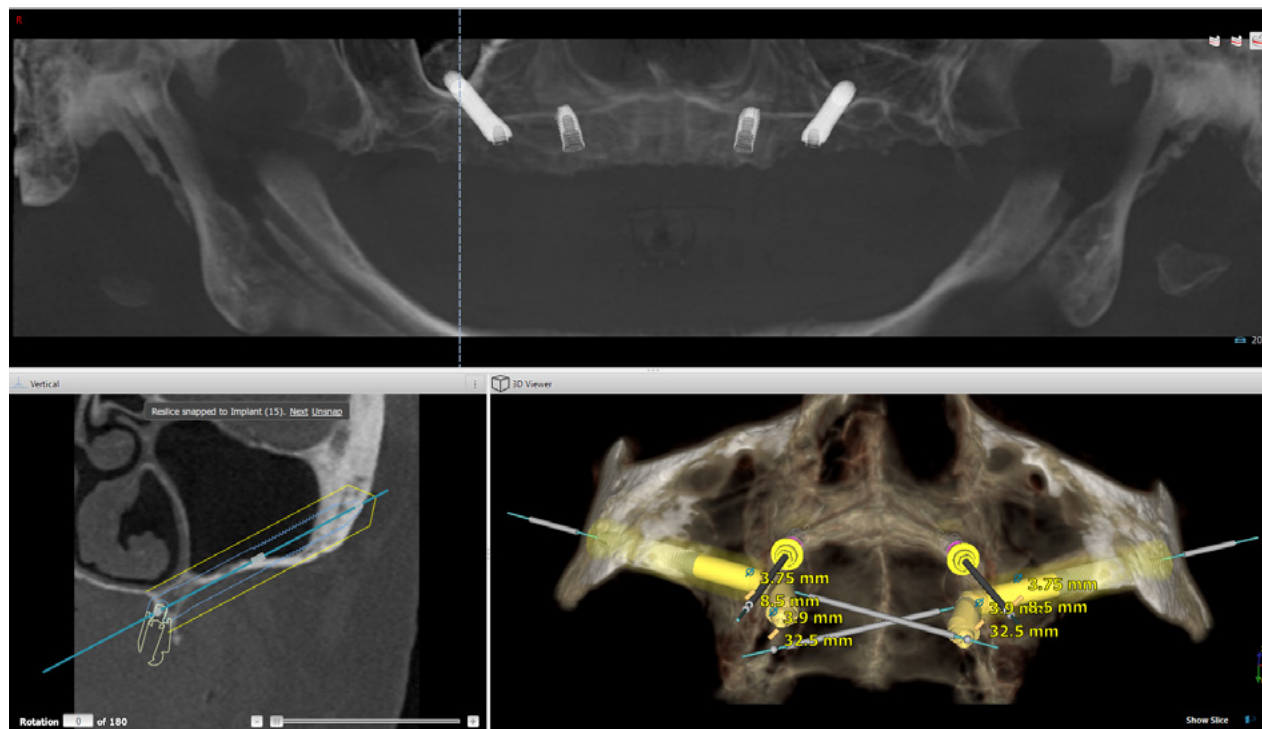
The optimal trajectory of the implant is influenced by the curvature of the maxillary wall and the degree of atrophy. Three surgical approaches are: intrasinusal, sinus slot and extrasinusal (in hybrid or quad configuration).

Anatomy of the zygomaticomaxillary complex



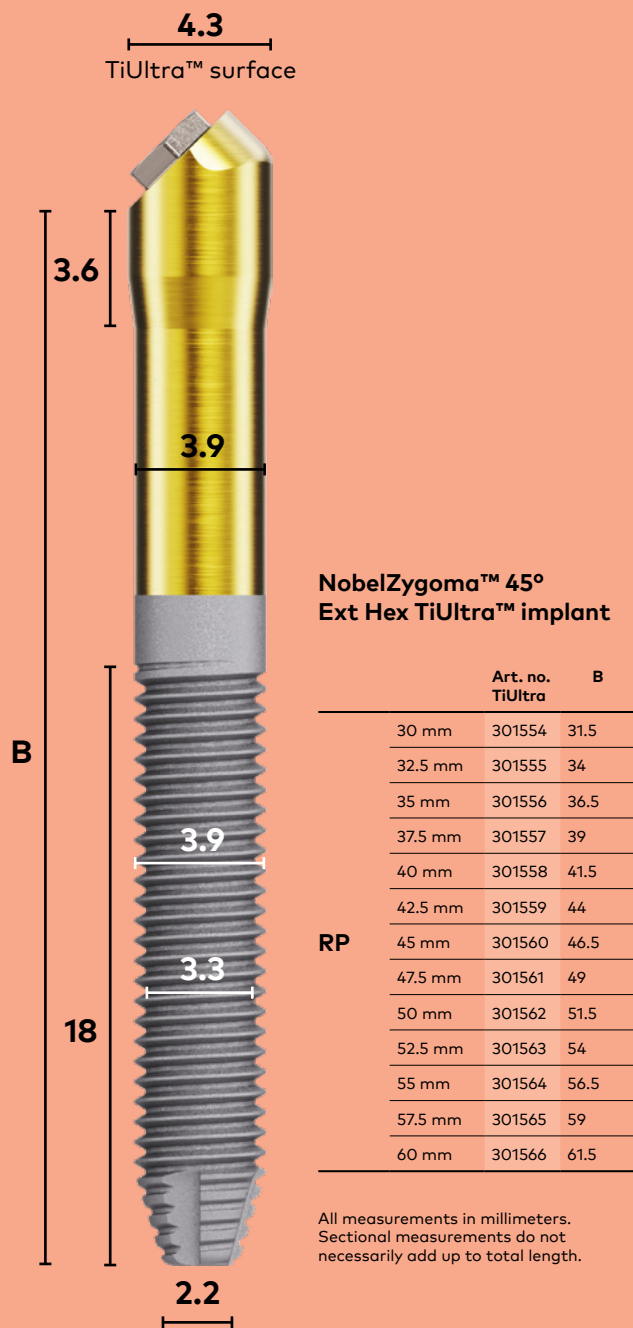
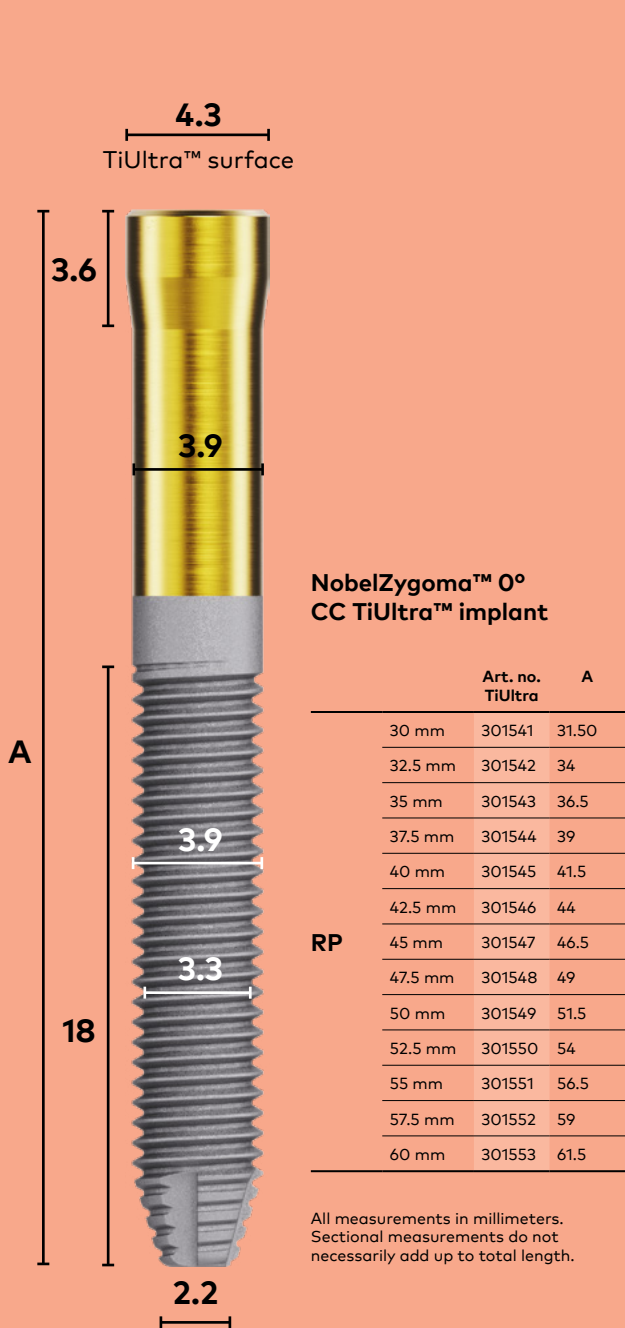
3D treatment planning

The use of DTX Studio™ software allows for the 3D evaluation of the severely atrophic maxilla as well as the prosthetically driven planning of the implant positions.



Case courtesy of Dr. Andrew Dawood

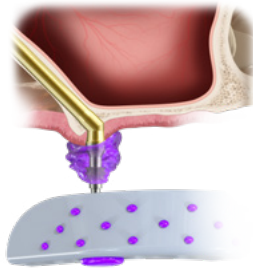
Implant, prosthetics, and components



Choice of conventional or digital workflow for temporization

Conventional – Convert denture

Conventional impression-taking



Place temporary copings



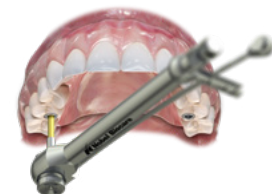
Reline denture and create holes for temporary coping pick-up.



Finalize provisional: extraoral finalization including removal of palatum



Place screw-retained provisional with temporary copings



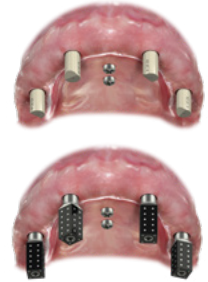
Final restorations

Take accurate digital impression for the fabrication of NobelProcera® precision milled restoration in titanium or zirconia.

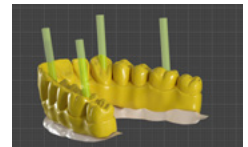


Digital workflow – 3D printed provisional

Digital impression-taking with reference markers: Photogrammetry captures abutment positions. IOS captures the anatomy to merge with pre-operative planning files



Design provisional in CAD software e.g. exocad



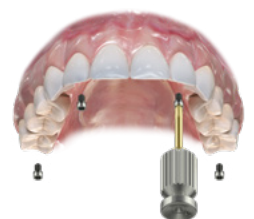
3D print/mill provisional design in-house

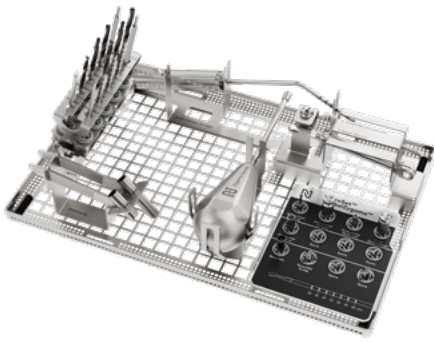


Finalize provisional



Place screw-retained provisional directly on MUA using clinical screw.





Sets

NobelZygoma TiUltra PureSet	108236
NobelZygoma PureSet Tray	PUR1000
NobelZygoma PureSet Plate	PUR1001
NobelZygoma TiUltra PureSet Wallchart EU	301981
NobelZygoma TiUltra PureSet Wallchart US	301982



Instruments

Handle	301582
Handpiece Adapter*	301583
Drill Guard	37787
Drill Guard Short	37788
Depth Indicator Straight	301656
Depth Indicator Angled	301657

* Limited torque of 40 Ncm



Drill

		Regular	Short
NobelZygoma Precision Drill		301585	-
NobelZygoma Round Burr		301601	-
NobelZygoma Twist Drill	Ø 2.9 mm	301602	301603
	Ø 3.5 mm	301606	301607
NobelZygoma Pilot Drill	Ø 3.5 mm	301604	301605



NobelZygoma Lateral Burr Coarse	301586
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NobelZygoma Lateral Burr Fine	301694
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Bone mills

	Bone mill with guide	Guide
RP 0°	301658	301660
RP 45°	301659	301584



35
Uni

35 Ncm



Screwdriver machine UniGrip™

20 mm	29151
25 mm	29152
30 mm	29153
35 mm	29154

35
MUA

35 Ncm



Screwdriver machine multi-unit

21 mm	29158
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Hand
Uni

Hand-tighten



Screwdriver manual UniGrip™

20 mm	29148
28 mm	29149
36 mm	29150

Hand
MUA

Hand-tighten



Screwdriver manual multi-unit

25 mm	29156
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Handle for machine instrument

29161



Manual torque wrench

Manual Torque Wrench Prosthetic	29165
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Manual Torque Wrench Adapter	29167
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Prosthetics

NobelZygoma™ 0° CC TiUltra™

35
Uni



**Multi-unit Abutment
Xeal zygoma CC RP**

	45°	60°
S	301575	301652
M	301576	301653
L	301577	301654
XL	301578	301655

Includes screw

**Multi-unit Abutment
Xeal zygoma screw**

	45°	60°
S/M/L/XL	301759	

NobelZygoma™ 45° Ext Hex TiUltra™

35
MUA



**Multi-unit Abutment
Xeal zygoma ext hex RP**

	0°	17°
S	301567	301571
M	301568	301572
L	301569	-
XL	301570	-

Includes screw

35
Uni



**Multi-unit Abutment
Xeal zygoma screw**

	0°	17°
S	301754	301995
M	301755	
L	301756	-
XL	301757	-

Impression taking



Multi-unit Abutment replicas

	Plaster model
1/pkg	38918
5/pkg	38919

Temporary solutions

Hand
Uni



Healing cap titanium

		Regular	Wide
NP/RP/WP ¹	Ø 5.0 × 4.1 mm	300162 ²	300166 ²
	Ø 5.0 × 5.5 mm	300163 ²	300167 ²
	Ø 6.0 × 4.1 mm	300164 ²	-
	Ø 6.0 × 5.5 mm	300165 ²	-

15
Uni



Temporary coping

	Regular	Snap
NP/RP/WP¹	29046	38915 ³
External hex WP only	29047	-

Co-packed with a clinical screw

Final restorations

15
O-Mini



**NobelProcera®
zirconia
implant bridge**

Design options	Customized full-contour, cut-back or framework
Features	Mechanically retained adapter for implant level full-contour and cut-back Angulated screw channel feature (0–25 degrees)
Tooth replacement options	2–14 units
Available shades	OM2 A1 A2 A3 A3.5 B1 B2 C1 C2 D2

Available platforms NP, RP, WP

Compatible softwares

NobelProcera restorations can have mix of multi-unit abutment and implant level.

15
Uni



**NobelProcera®
titanium
implant bridge**

Design options	Customized
Features	-
Tooth replacement options	2–14 units
Available shades	Ti Titanium

Available platforms NP, RP, WP

15
Uni



**NobelProcera®
titanium fixed
implant bar**

Design options	Customized
Features	-
Tooth replacement options	2–14 units
Available shades	Ti Titanium

Available platforms NP, RP, WP

Implant placement, immediate temporization of a maxilla using NobelZygoma™ TiUltra™ system*

*Case courtesy of Dr. Ruben Davo and lab - Alicante, Spain



Pre-operational records
Record intraoral scans & patient smile images



Diagnostics & treatment plan
Plan the temporary bridge & implant placement



Implant placement
Placement of implants & multi-unit abutments



Design & deliver temporary
Printed temporary bridge, finalized & delivered



"I truly appreciate the thoughtful enhancements integrated into the design. I'm eager to treat more patients with this innovative system and explore the promising advantages of the TiUltra™ surface."

Dr. Ruben Davo

More to explore



NobelZygoma
scientific
literature list



NobelZygoma
handbook



NobelZygoma
clinical cases



nobelbiocare.com/nobelzygoma



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