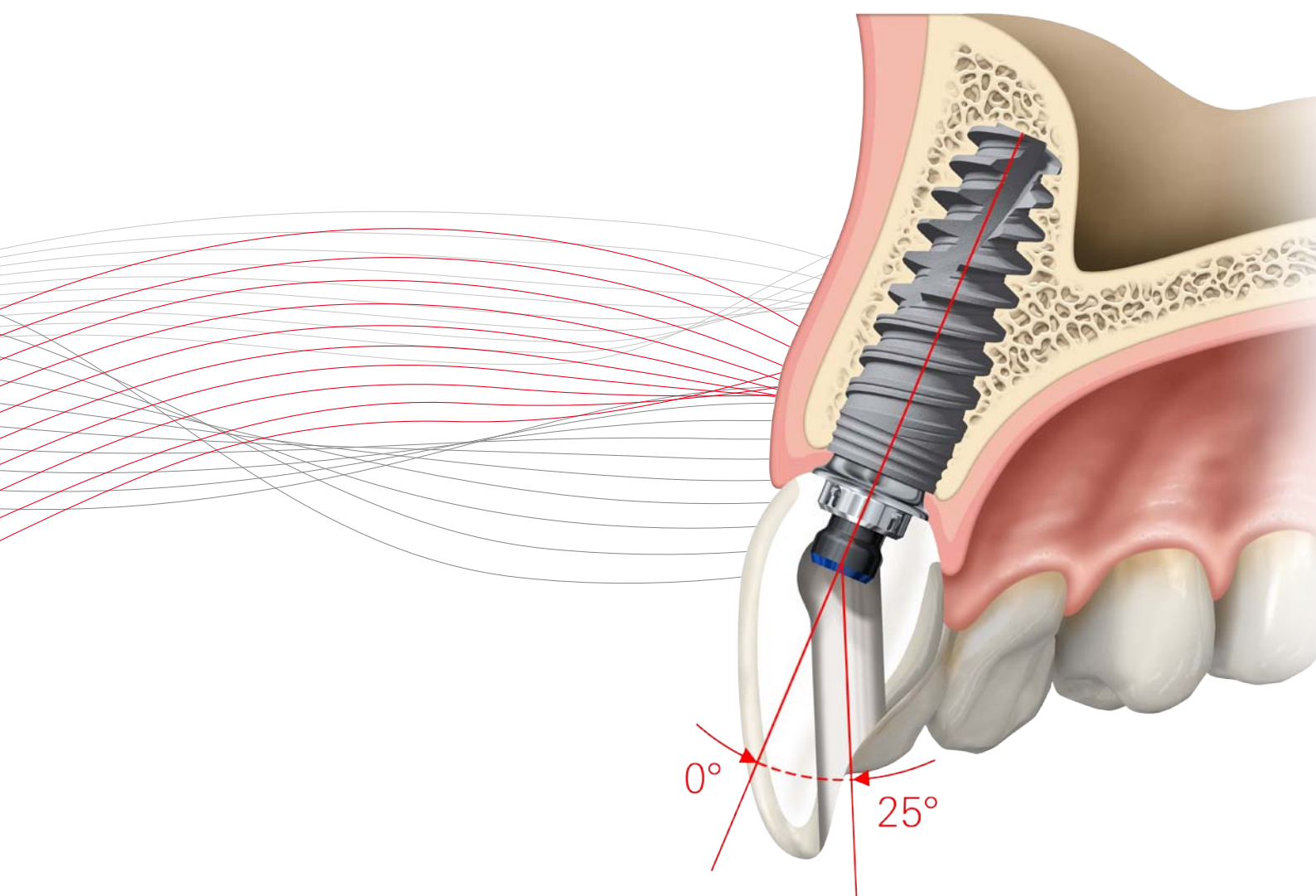


Esthetics from a new angle
NobelProcera® Angulated Screw
Channel Abutments



Safely and easily access the posterior region

The new Omnigrip Screwdriver has a pick-up function and grip that has to be experienced to be believed. The unique design of the tip delivers a strong hold for full insertion torque, even at an angle.



How you benefit

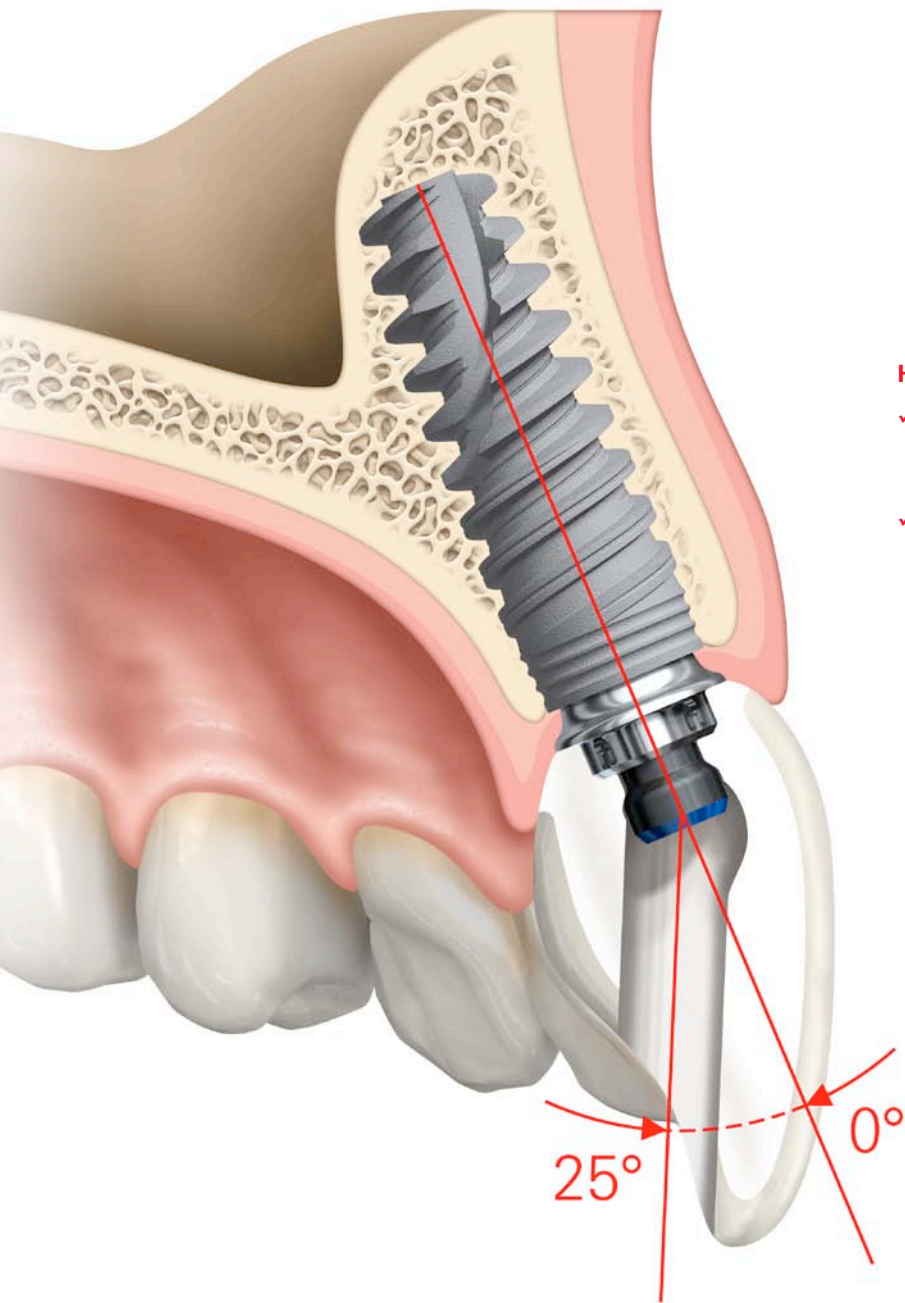
- ✓ Work quickly and safely with the pick-up function and secure hold of the Omnigrip Screwdriver.
- ✓ Easily access cases in the posterior region. The angulation enabled by the Omnigrip tooling helps when vertical space is limited.
- ✓ Reduce screw loosening with a high insertion torque (35 Ncm) capability at any angle from 0–25°.



Case courtesy of Dr. Stefan Holst, Germany and Luc and Patrick Rutten, Belgium

Managing esthetics and occlusal function made easy

Solve the esthetic challenges faced when screw-retained solutions in the anterior and improve occlusal function in the posterior, with the option to place the screw access hole anywhere between 0° and 25° in a 360° radius.



How you benefit

- ✓ Place cement-free screw-retained crowns without compromising esthetics or occlusal function.
- ✓ Optimally support the surrounding tissue with an individualized emergence profile using biocompatible materials.

Achieve predictable retention and strength

Get a predictable outcome and avoid the risks associated with residual cement¹. The adapter connecting the zirconia abutment to the implant is mechanically retained, but with the screw seated in the abutment. The result? Highly predictable retention with no cement in sight.

What's more, the metal adapter means it's now possible to use zirconia implant restorations in the posterior.



How you benefit

- ✓ Fully avoid the risk of residual cement by using a completely cement-free concept.
- ✓ Avoid the cost of re-cementing a metal adapter.
- ✓ Confidently use esthetic zirconia screw-retained restorations in the molar region with the new metal adapter.

Clinical case study

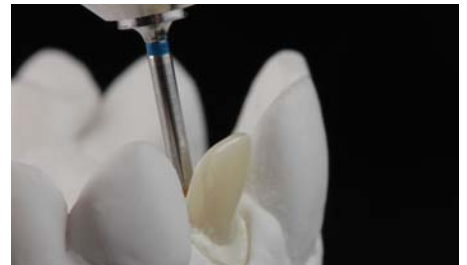
Case courtesy of Dr. Juan Zufia and Sr. Santiago Dalmau, Spain.



Initial situation.



Situation after removal of the Maryland Bridge.

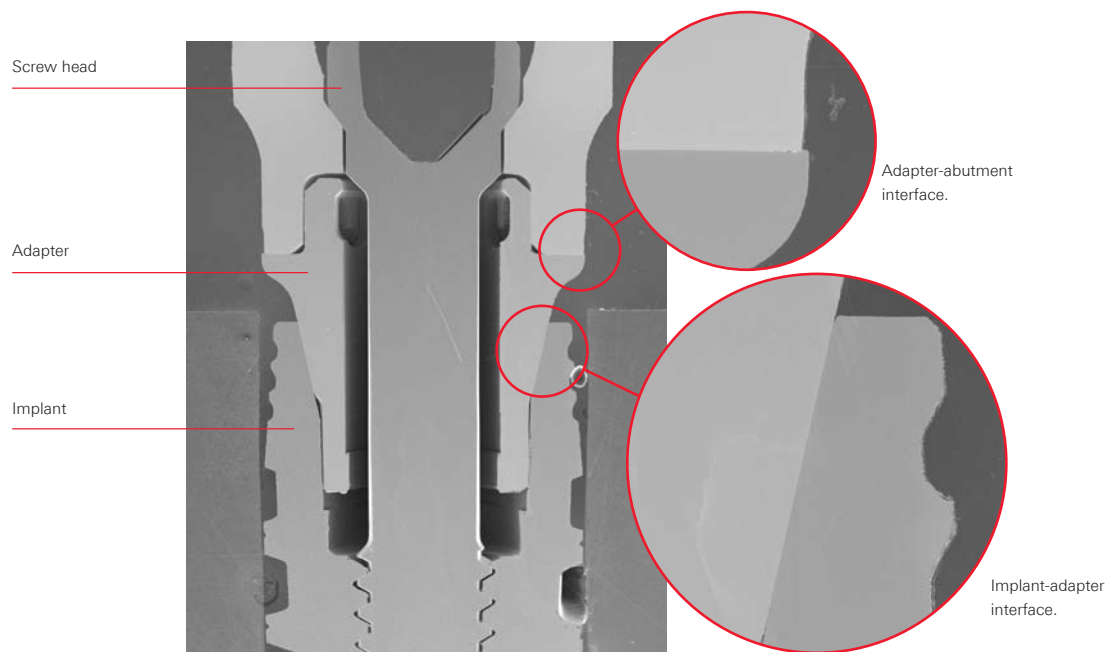


Palatal position of the screw access hole.

Tried and tested for you

Biomechanical investigations, including fatigue strength testing² and virtual simulations (finite element analysis) show that the strength and performance of the two-piece NobelProcera ASC Abutment, under dynamic load are equal to that of the one-piece NobelProcera Abutment for the same indication.

Micro gap measurements with cross-sectional SEM images highlight the precise fit of the angulated two-piece zirconia abutment over the critical interfaces. Again, the results are equivalent to that of the current one-piece abutment.



Cross-section NobelProcera ASC Abutment Zirconia on Conical Connection Regular Platform.



Placement of two NobelProcera ASC Abutments.







Final outcome.





Patient smile.

Tooling for NobelProcera ASC Abutments

Blue-marked Omnigrip interface

	Omnigrip Clinical Screw	NP 37367	RP 37606		
	Omnigrip Laboratory Screw	NP 37374	RP 37607		
	Omnigrip Screwdriver manual	20 mm 37376	28 mm 37377	36 mm 37378	
	Omnigrip Screwdriver machine	20 mm 37379	25 mm 37380	30 mm 37381	35 mm 37382

Other components

	Abutment Retrieval Instrument Zirconia CC NP				37612
	Abutment Retrieval Instrument Zirconia CC RP				37882

1 Wilson TG, Jr. The positive relationship between excess cement and peri-implant disease: a prospective clinical endoscopic study. J Periodontol. 2009;80(9):1388-92.

2 According to ISO 14801