



neoss[®] Angulated screw access solution

Individual prosthetics for single and multiple unit restorations

Intelligent Simplicity

Design freedom _____

The Neoss angulated screw access solution with the iGO screw connection provides the freedom to design optimized screw channels, tilt implants for ideal position and increases accessibility in areas where space is limited. Suitable for use at angles up to 25° and with 360° rotational freedom, it improves both restoration esthetics and handling.

Unfavorable screw exit



Unfavorable screw exit through the labial surface of a central incisor requires cemented restoration with limited restorative options.



Unfavorable screw exit through the buccal side or cuspid.

Optimized screw exit



Oversized screw channel



Oversized screw channel can compromise the esthetics of the restoration.

Minimized screw channel



With a narrow screw channel diameter the exit surface area is significantly reduced and the impact on the restoration is minimized.

Restricted posterior access



Restricted access to the screw in the posterior region due to limited occlusal space.

Easier posterior access



Easier access with angulated screw channel allowing the iGO screwdriver to be tilted thus avoiding opposing teeth.



Confidence ___

Reliable carry function

The unique iGO screw connection used for Neoss straight and angulated screw channels ensures confident engagement and secure delivery to facilitate the screw placement.

High pre-load for long-term retention

The required tightening torque of 32 Ncm (for Neoss Ø3.5-6.0 implants) is possible to achieve even at angles up to 25°, providing an exceptional pre-load of 500 N.

Cement-free solution

An angulated screw channel allows for a screw-retained solution in the anterior with no cement. This enables retrievability, complete control and easy maintenance without compromise.

Technologies _

Transmission of high torque

The patented¹ iGO design, with separate pick-up and torque transmission functions, has a large screwdriver contact area that enables a strong grip, efficient torque transmission and confident fastening even at angles up to 25°.





NeoLoc® - high quality connection

Neoss individual abutments are produced from blanks with a pre-milled connection to ensure the quality and benefits of the NeoLoc® implant-abutment connection. In addition, the Crystaloc™ surface technology on the iGO abutment screw facilitates a high clamping force between the abutment and implant² resulting in additional resistance to fracture during long-term clinical function.





Slim internal design

The internal space required for the screw channel is minimized. Excessive labial surface protrusion or insufficient wall thickness can be avoided, allowing greater angulation and a lower abutment height.





Optionality _____

Offering

	Angulated screw channel				
	Abutment			Bridge	
	Ti	CoCr	ZrO	Ti	CoCr
Neoss Ø3.5-6.0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Neoss Ø3.25	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Neoss Access	-	-	-	\bigcirc	\bigcirc

Contact your local representative for availability on your market.

iGO



iGO screws and iGO screwdrivers - only used for restorations with iGO screw seatings

Abutments



Titanium or Cobalt Chrome bridges











Full bridge - acrylic

Libraries, installation and ordering

Neoss has developed design libraries for 3Shape, Exocad and Dental Wings software to enable you to create your digital prosthetic design for Neoss. Libraries together with the installation guidelines are available for download on www.neoss-cadcam.de.

After customer account registration, the order is placed at the website - www.neoss-cadcam.de or www.arcsolutions.se (Nordic countries only), with either the digital files attached or the physical model sent by courier to the relevant Neoss Scan centre.

Neoss offer a auick and reliable scan and design service for those laboratories without a recommended scanner. This service is not available on all markets, please contact your Neoss Representative for more information.

Scan (and design) centres per market:

Nordic and other countries

(scan) Arc Solutions AB

Box 13011 SE-250 13 Helsingborg Sweden T +46 42 3017440

Germany, Austria and UK (scan and design)

Neoss Scan & Design Centre Neoss GmbH Im MediaPark 8 DE-50670 Köln Germany T +49 221 55405-319 +49 221 55405-522

Australia and New Zealand (scan)

Neoss Scan Centre

Neoss Australia Pty. Ltd PO Box 404 New Farm QLD 4005 Australia T +61 7 3216 0165 F +61 7 3216 0135

References

Patents pending

Fatigue Performance according to ISO 14801, Neoss Sponsored Report 2.

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