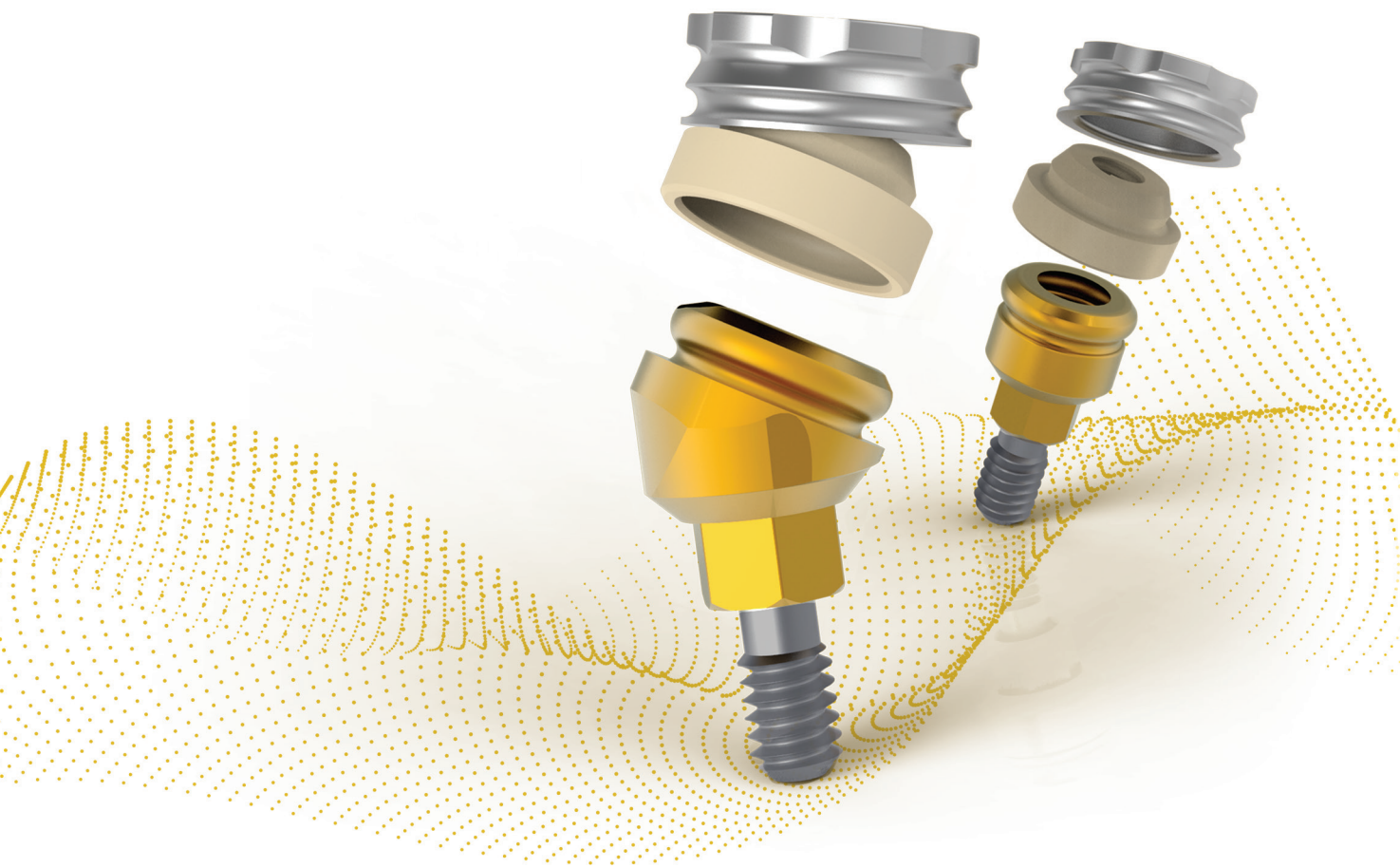
BIOFIX®
DENTAL

WISE LOCK
ATTACHMENT SYSTEM

Manual Instructions



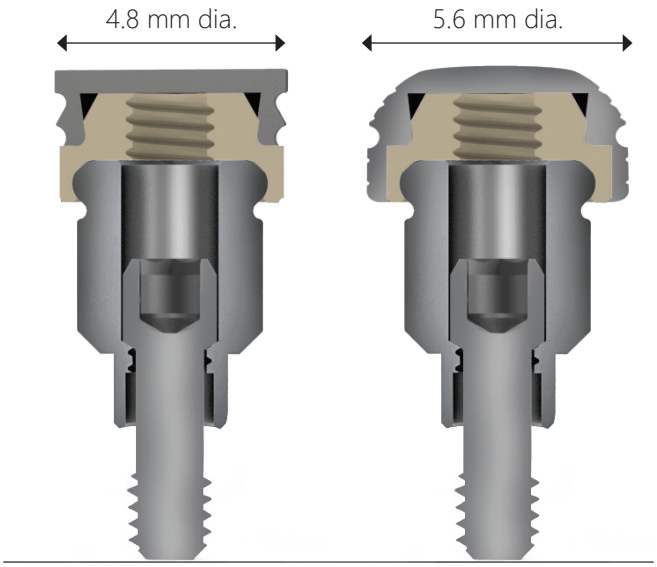
The BIOFIX system relies on a unique design of a hug ring made of PEEK, ii.e.Poly Ether Ether Ketone (PEEK).

The PEEK polymer shows excellent resistance to stress and Plastic deformations, which extends the life of the product beyond the lives of other alternatives products that are available on the market.

The unique mechanical and elastic properties of PEEK allow for a large diameter of spherical hug, resulting a very high grip force. The geometry of the titanium abutment (base unit ring) and the accompanying PEEK attachment create a large contact area, ensuring excellent stability of the prosthesis and comfort to the patients.

The wise lock abutment is designed with full hexagon and prosthetic screw.This design eliminate the micro movements and prevent the screw release.
This abutment design is a big advantage compering to the previous monoblock design.

Tin coating
Wear resistance: extremely high wear resistance towards bone cement.
Abrasion: low friction; significant increase of scratch resistance of the surface.
Reduction of allergy potential by reduction of ion release to the detection limit.
Outstanding biocompatibility of TiN (was proved in several publications).

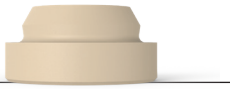


There is a variety of the attachments that can be used on the denture.
All the attachments connect to the Wise Lock abutments:



WCP-2348

4.8 mm dia. PEEK attachment, to be mounted without metal housing in very narrow cases.



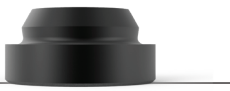
WCP-2348-H

HARD - Use upon request for better stability of the prosthesis.



WCPS-2348-H

SOFT - For primary use.



WCPF-2348-H

POSITIONING - Use upon request for better stability of the prosthesis.



WCH-4823

4.8 mm dia. semi-protection of the PEEK attachment, secondary, preferred in narrow cases between the implants.



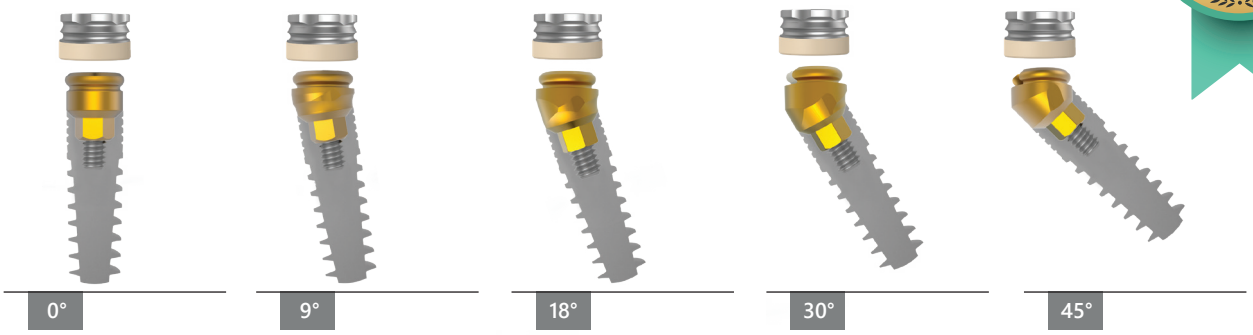
WCHN-5628

5.6 mm dia. full-protection of the PEEK attachment. First choice to be preferred.

PREMIUM PRODUCT

WISE LOCK ANGULAR RANGE ABUTMENT

(can be mounted at four different angles: 0°, 9°, 18°, 30°, 45°).



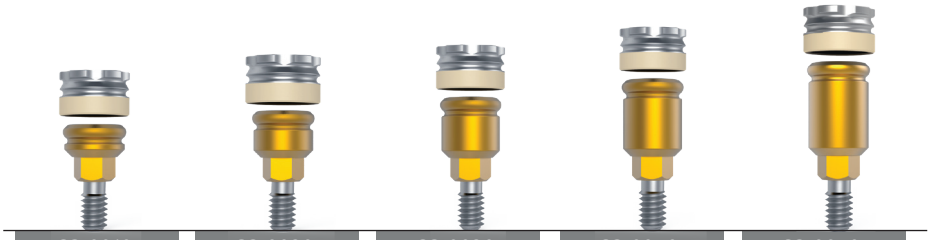
WISE LOCK REGULAR PLATFORM STRAIGHT RANGE



WCS-0010	WCS-0020	WCS-0030	WCS-0040	WCS-0050
H = 1.0 mm	H = 2.0 mm	H = 3.0 mm	H = 4.0 mm	H = 5.0 mm

WISE LOCK - FULL SET

Abutment bases with peek attachment and housing covers



WCS-0010-M	WCS-0020-M	WCS-0030-M	WCS-0040-M	WCS-0050-M
H = 1.0 mm	H = 2.0 mm	H = 3.0 mm	H = 4.0 mm	H = 5.0 mm

Not Included in SET

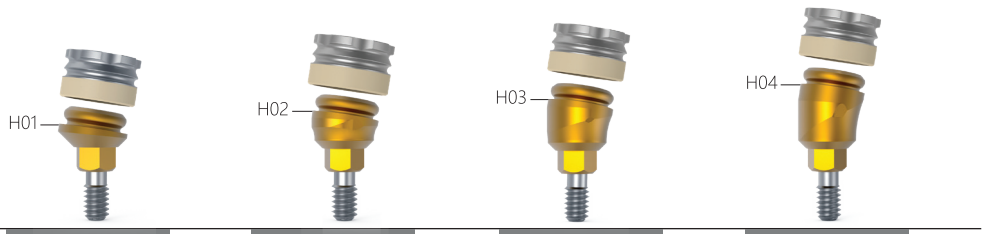


TWC-1105	WCT-900	AWC-1301
Transfer For Wise Lock	Wise Lock Tool	Analog For Wise Lock

ANGULAR WISE LOCK CONCEPT 9°, 18°, 30°, 45°
Wise Lock Overdenture Attachment - SETS

9°

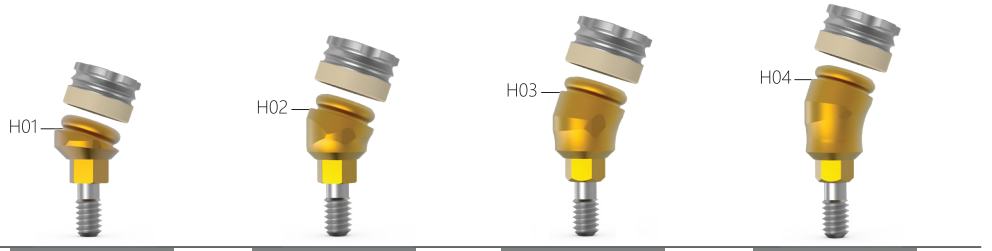
WISE LOCK ANGULAR - 9° FULL SET



AWC-0910-M	AWC-0920-M	AWC-0930-M	AWC-0940-M
H = 1.3 mm	H = 2.3 mm	H = 3.3 mm	H = 4.3 mm

18°

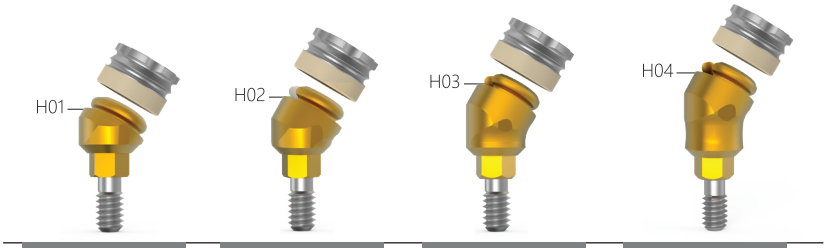
WISE LOCK ANGULAR - 18° FULL SET



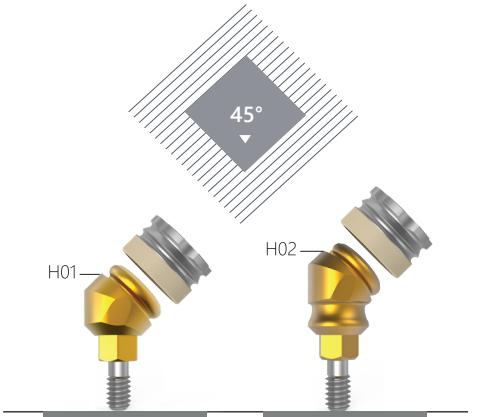
AWC-1810-M	AWC-1820-M	AWC-1830-M	AWC-1840-M
H = 2 mm	H = 3 mm	H = 4 mm	H = 5 mm

30°

WISE LOCK ANGULAR 30° FULL SET

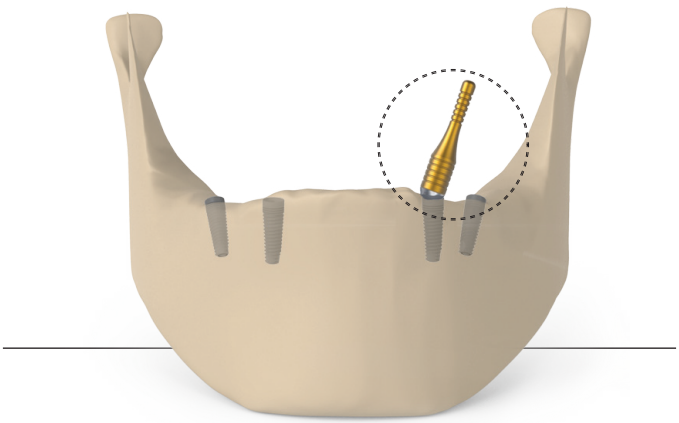


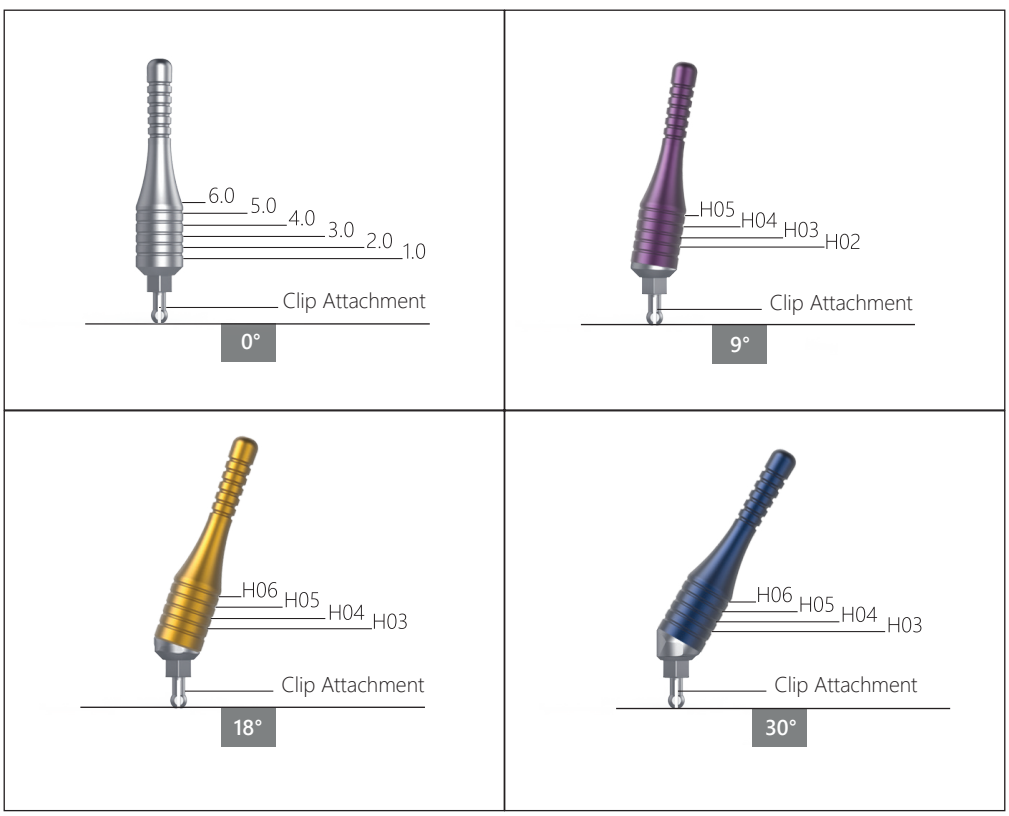
AWC-3010-M	AWC-3020-M	AWC-3030-M	AWC-3040-M
H = 2.5 mm	H = 3.5 mm	H = 4.5 mm	H = 5.5 mm



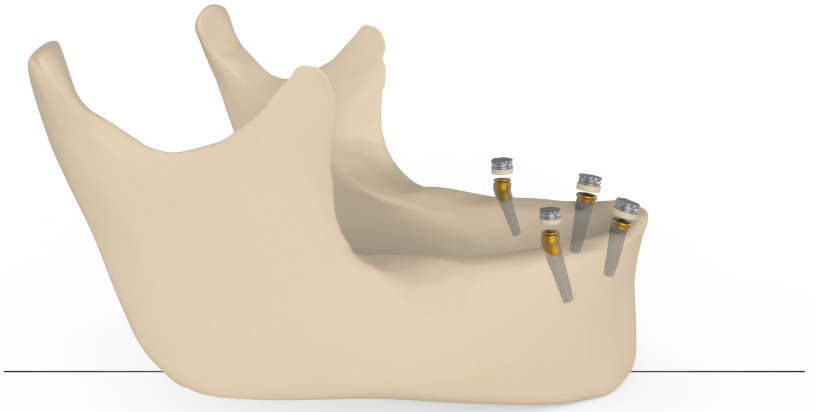
AWC-4510-M	AWC-4520-M
H = 3.5 mm	H = 5.0 mm

■ ANGLE AND HEIGHT CLIP GAUGE (Use the Gauge Set for angle and height selection).

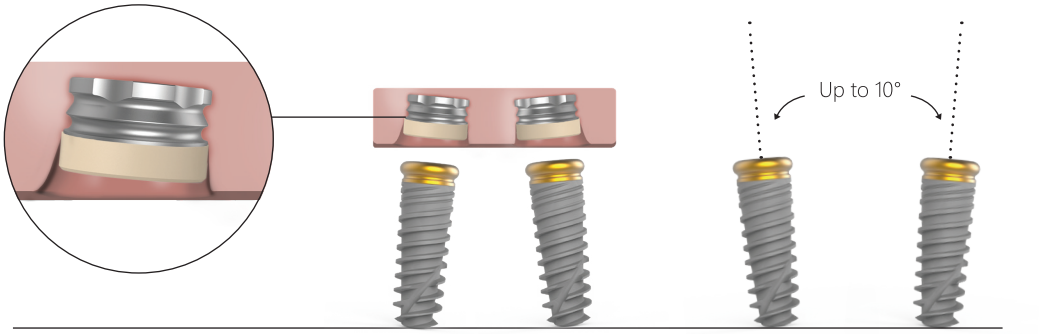




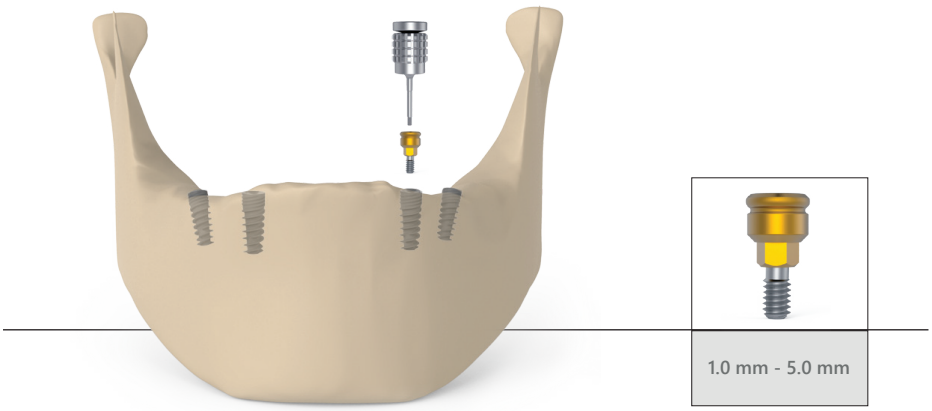
The wide contact area is possible because of the wide range of angles: 0°, 9°, 18°, 30°, 45° and wide range of heights: 1 mm up to 4 mm. The availability of these options allows a near-perfect match for the contact areas between the titanium abutment (base unit ring) and the PEEK attachment.



When mounting the WISE LOCK SYSTEM, it is critical to verify up to 5° parallelism between the PEEK attachment and the base abutment.

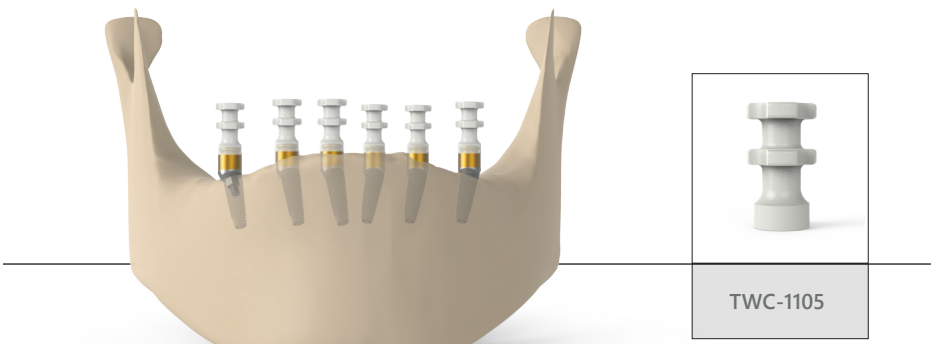


■ For placement of the Wise Lock straight abutment use a standard 1.27 mm hex drive tool.



■ **CLOSED TRAY IMPRESSION COPING**

Connect the transfer onto the abutment.
Inject impression material and position the impression tray.

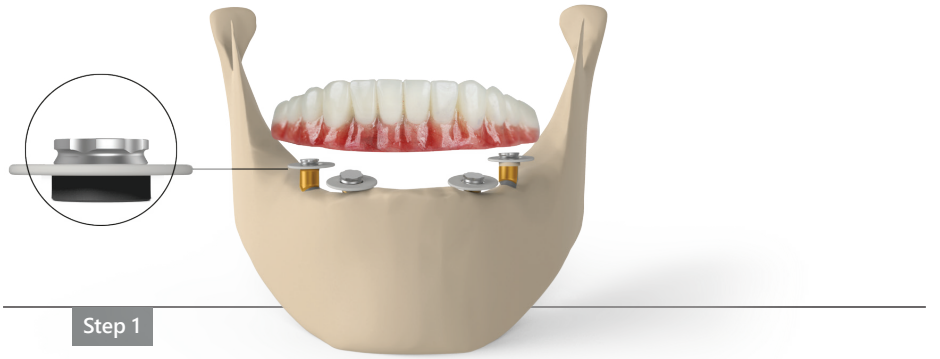


Send the impression tray to the laboratory with analogs.



WISE LOCK FIXATION

Protecting Nylon Sealed Ring (CAT NO: SCH-8540).
should be mounted on the WISE LOCK housing slot, along with the WCPF-2348-H.
Use WCPF-2348-H only for positioning, not for attachement.

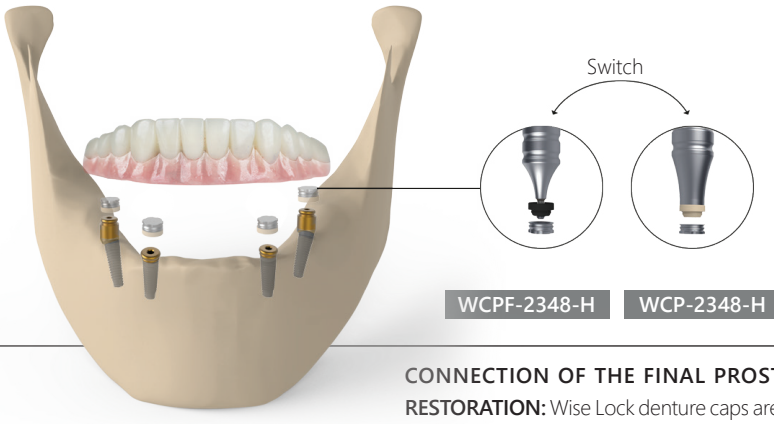


Step 1



Hold without pressure
until material is set.

Step 2



Step 3

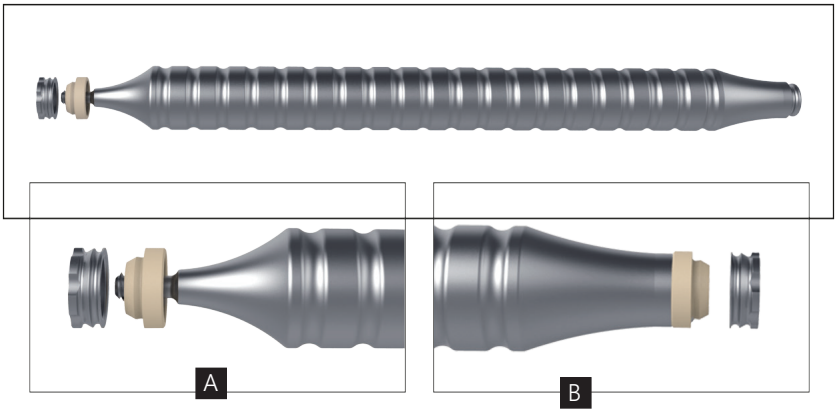
CONNECTION OF THE FINAL PROSTHETIC RESTORATION: Wise Lock denture caps are placed. The Nylon Ring (SCH-8540) should be removed.

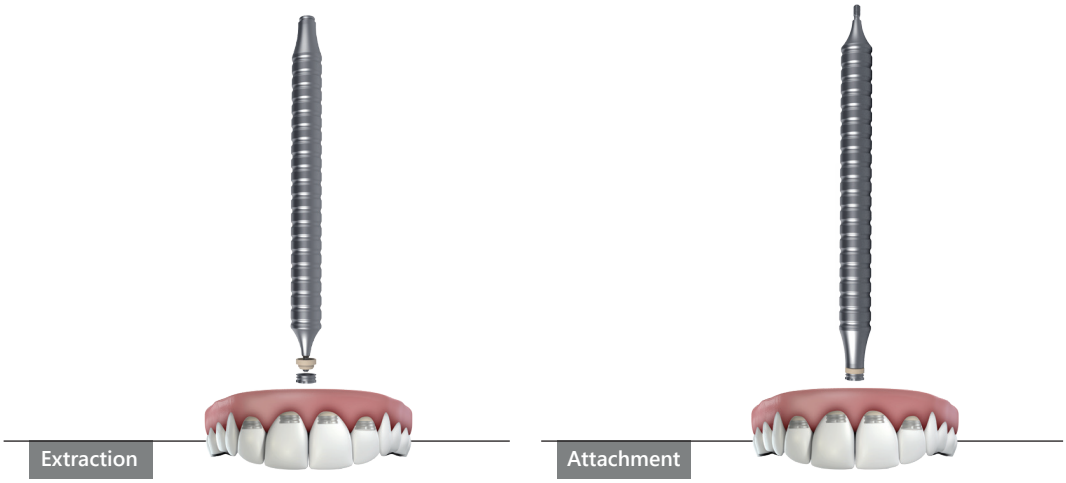
Note Please be aware that the PEEK attachment should be replaced if exposed to a temperature higher than 100°C.

MAINTENANCE

A Replacing the PEEKs holding attachment is very simple. Threading the WCT 900 special tool into the threaded hole in the PEEK attachment - will cause the ejection of the PEEK part, as shown.

B Put the new peek attachment into the oposite side of the special tool.





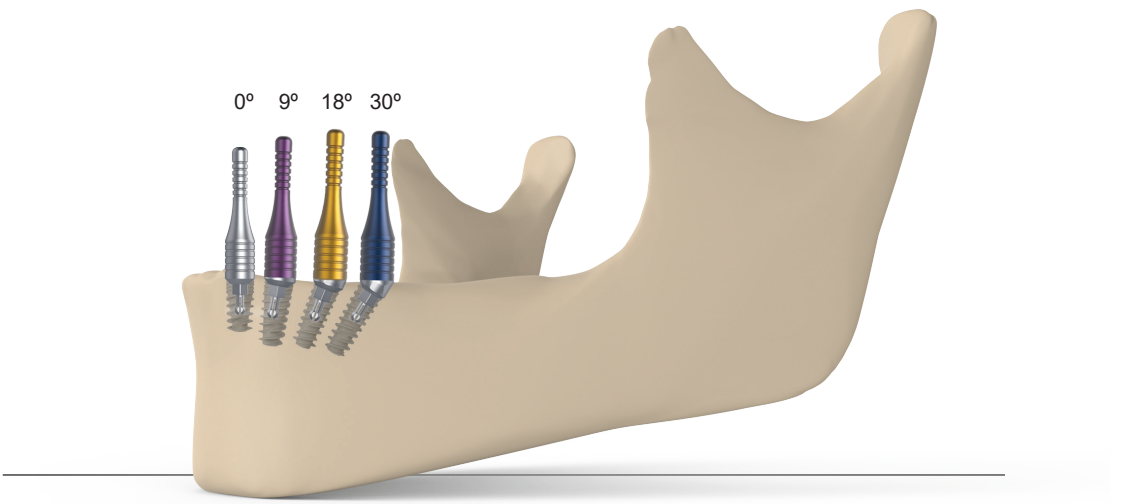
Note In cases where there are significant differences in heights and angles, the patient should be instructed to press the prosthesis first at the front of mouth until hearing the engagement click and then tighten the back of the prosthesis until sensing the second engagement click.

GAUGE ANGLE AND HIGH MINOR

Clip Attachment

				
GAHM-00 Straight Gauge	**GAHM-09** **9°** Angle Gauge	**GAHM-18** **18°** Angle Gauge	**GAHM-30** **30°** Angle Gauge	**GAHM-SET** Set includes the full range of Gauges

- Using the angle gauges gives you an option to pre-plan the use of the abutment in order to achieve maximum parallelism.



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