

New as of:

05.2010

TiBase

Operating Instructions

English



Gebrauchsanweisung

1	Symbols used	3
2	Product description	4
3	Materials	6
4	Indications	6
5	Contraindications	6
6	Processing directions	6
6.1	Scanning	6
6.2	Processing the TiBase	6
6.3	Information for the dentist	7

1 Symbols used



Important: Observe the operating instructions!



This product is a medical device in accordance with Council Directive 93/42/EEC

Rx only

CAUTION: Federal law (USA) restricts sale of this device to or on the order of a physician, dentist, or licensed practitioner.



Article number



Batch designation



This product is intended for single use only



non-sterile

2 Product description

Each delivery includes a TiBase, the titanium base from Sirona, an abutment screw and a scanbody in non-sterile form. All parts are intended for single use only.

Individually manufactured mesostructures, provisional restorations or final dental restorations can be glued onto the TiBase. The glued parts are screwed onto the matching implant with the abutment screw in the patient's mouth.

The scanbody is used only to scan the position of the implant for creating the design in the inLab 3D for Abutments software.

The Sirona TiBase comes in various versions, each of which is compatible with a specific diameter of a specific implant system.

Product				compatible with implant system			compatible with grinding blocks
TiBase	Abutment screw	Scan body	REF	Implant manufacturer	Implant system	Diameter	
NBRS 3.5	M1.8	L	6282474	Nobel Biocare	Replace® NP	3,5 mm	inCoris ZI meso L
NBRS 4.3	M2	L	6282482		Replace® RP	4.3 mm	inCoris ZI meso L
NBRS 5.0	M2	L	6282490		Replace® WP	5.0 mm	inCoris ZI meso L
NBRS 6.0	M2	L	6282508		Replace® 6.0	6.0 mm	inCoris ZI meso L
NBB 3.4	M1.6	L	6282516	Nobel Biocare	Brånemark®	3.4 mm	inCoris ZI meso L
NBB 4.1	M2	L	6282524		Brånemark®	4.1 mm	inCoris ZI meso L
SSO 3.5	M1.8	L	6284231	Straumann	Tissue level NN	3.5 mm	inCoris ZI meso L
SSO 4.8	M2	L	6284249		Tissue level RN	4.8 mm	inCoris ZI meso L
SSO 6.5	M2	L	6284256		Tissue level WN	6.5 mm	inCoris ZI meso L
ATOS 3.5/4.0	M1.6	L	6282532	Astra Tech	OsseoSpeed™	3.5 S / 4.0 S mm	inCoris ZI meso L
ATOS 4.5/5.0	M2	L	6282540		OsseoSpeed™	4.5 / 5.0 mm	inCoris ZI meso L
FX 3.4	M1.6	S	6282433	Friadent	Frialit® / Xive®	3.4 mm	inCoris ZI meso S
FX 3.8	M1.6	S	6282441		Frialit® / Xive®	3.8 mm	inCoris ZI meso S
FX 4.5	M1.6	L	6282458		Frialit® / Xive®	4.5 mm	inCoris ZI meso L
FX 5.5	M1.6	L	6282466		Frialit® / Xive®	5.5 mm	inCoris ZI meso L
BO 3.4	M2	L	6282557	Biomet 3i	Ex. hex	3.4 mm	inCoris ZI meso L
BO 4.1	M2	L	6282565		Ex. hex	4.1 mm	inCoris ZI meso L
BO 5.0	M2	L	6282573		Ex. hex	5.0 mm	inCoris ZI meso L
ZTSV 3.5	M1.8	L	6282581	Zimmer	Tapered Screw-Vent®	3.5 mm	inCoris ZI meso L
ZTSV 4.5	M1.8	L	6282599		Tapered Screw-Vent®	4.5 mm	inCoris ZI meso L
ZTSV 5.7	M1.8	L	6282607		Tapered Screw-Vent®	5.7 mm	inCoris ZI meso L

Product				compatible with implant system			compatible with grinding blocks
TiBase	Abutment screw	Scan body	REF	Implant manufacturer	Implant system	Diameter	
B C 3.4	M1.6	S	6308048	3i	Certain	3.4 mm	inCoris ZI
B C 4.1	M1.6	L	6308097		Certain	4.1 mm	inCoris ZI meso L
B C 5.0	M1.6	L	6308121		Certain	5.0mm	inCoris ZI meso L
S BL 3.3	M1.6	L	6308154	Straumann	Bone Level	3.3mm	inCoris ZI meso L
S BL 4.1	M1.6	L	6308337		Bone Level	4.1mm	inCoris ZI meso L
NB NA 4.5	M1.6	L	6308188	Nobel Biocare	Nobel Active	4.5mm	inCoris ZI meso L
NB NA 5.0	M2	L	6308253		Nobel Active	5.0mm	inCoris ZI meso L
MI 3.5/5.0	M1.6	L	6308295	Medentika Implant	M-Implant	3.5/5.0mm	inCoris ZI meso L

3 Materials

TiBase, abutment screw	Ti6Al4V, medical grade 5, ASTM 136
Scanbody	ABS (Cyclocac GPM 5500 / WH4A015F)

4 Indications

Used as an implant prosthetic titanium base for adhesion to mesostructures or directly with restorations to restore function and aesthetics in the oral cavity.

5 Contraindications

- Insufficient oral hygiene
- Insufficient space available
- Bruxism
- For restorations with angulation correction of more than 20° to the implant axis
- For individual tooth restorations with free end saddle
- For restorations whose length exceeds a ratio of 1:1.25 in comparison to the length of the implant.

6 Processing directions

6.1 Scanning

- Mount the TiBase on the matching laboratory analog in the master model and screw it tight using the supplied abutment screw.
- Plug the supplied scanbody onto the TiBase so that it is seated free of gaps, and therefore flush. The scanbody is scannable without powder or scan spray.
- Acquire the situation alternatively with inEos, CEREC 3 or CEREC AC.
- Use the inLab 3D for Abutments software (V3.65 or higher) to design the individual shape of the mesostructure and mill the shape from an inCoris ZI meso block (see inLab 3D/inLab 3D for Abutments User Manual). Be sure to observe the information on design, postprocessing and sintering of zirconia provided in the Operating Instructions for inCoris ZI meso blocks.

6.2 Processing the TiBase

The diameter of the TiBase must not be reduced e.g. by grinding. Shortening the TiBase is not recommended.

The contact surfaces of the TiBase to the implant must not be sand-blasted or otherwise processed.

Only the surfaces of the TiBase intended for gluing with a mesostructure must be sandblasted (50 µm aluminum oxide, max. 2.0 bar) and then cleaned (with alcohol or steam). The TiBase should be fastened in a laboratory analog to

protect the internal connection.

Use "PANAVIA™ F 2.0" (www.kuraray-dental.de) as an adhesive extraorally to connect the TiBase and the sintered inCoris ZI mesostructure.

- For easier handling during the gluing process, it is recommended that the TiBase be screwed into a lab implant or a polishing tool.
- Cover the hex head of the abutment screw with wax.
- Mix the glue according to the manufacturer's instructions and apply it to the TiBase.
- Push the sintered inCoris ZI mesostructure in as far as it will go. Make sure it latches into the rotation and position stops.
- Remove excess glue immediately.
- Apply the Airblocker ("Oxyguard") to the junction where the ceramic and titanium surfaces meet and to the screw funnel for final hardening.
- Remove residue with a rubber polisher after hardening.

6.3 Information for the dentist

The TiBases are delivered in non-sterile condition.

Observe the implant manufacturer's operating instructions.

Use the tools provided by the implant manufacturer to screw the restoration onto the implant, observing the tightening torques specified in the following table:

TiBase	Tightening torque in Ncm
NBRS	35
NBB	35
SSO	35
ATOS	25
FX	25
BO	35
ZTSV	30
B C	20
S BL	35
NB NA (NP)	25
NBNA (RP)	35
MI	25

We reserve the right to make any alterations which may be required due to technical improvements.

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