

New as of:

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# Sirona Dental CAD/CAM System ScanPost

Operating Instructions (valid for USA)

**English**



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# 1 Symbols used



**NOTICE!** Observe operating instructions!



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

**USA: Rx only**

**For the USA only**

**REF** ABC123

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

Article number

**LOT** ABC123

Batch number



unsterile

## 2 Product description

ScanPost is an impression post which can be used intraorally to digitally capture the position of the implant in relation to the remaining teeth and the soft tissue.

The implant-specific scan post is screwed together with the implant only for the purpose of optical detection. The scan post and fixing screw are sterilizable and can be used up to 50 times. If the screws are lost or defective, the abutment screws, which are available separately, can be used.

ScanPost must not be used for the final implant treatment!

A suitable scanbody must be mounted on the scan post. Scanbodies are separately available for different camera systems in connection sizes S and L.

The product scanbodies for Omnicam is suitable only for intraoral application with CEREC Omnicam. The product scanbodies for Bluecam can be used for the CEREC Bluecam, inEos X5 and inEos Blue acquisition systems.

Digital capture of the implant position with ScanPost is possible only in connection with one of three software products, i.e. CEREC SW 4.2, CEREC Connect SW 4.2 or inLab SW 4.2 (or higher).

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

Manufacturer / Implant	Implant Diameter	Platform	ScanPost	REF	Connection	Abutment Screw	REF
<b>Dentsply Sirona Implants</b>							
AstraTech Osseospeed EV	3	3.0	AT EV 3.0 S	6586353	S	AT EV 3.0	6586262
	3,6	3.6	AT EV 3.6 S	6586361	S	AT EV 3.6	6586270
	4,2	4.2	AT EV 4.2 L	6586379	L	AT EV 4.2	6586288
	4,8	4.8	AT EV 4.8 L	6586387	L	AT EV 4.8	6586296
	5,4	5.4	AT EV 5.4 L	6586395	L	AT EV 5.4	6593714
AstraTech Osseospeed TX	3.5 S / 4.0 S	3.5 / 4.0	AT OS 3.5/4.0 L	6431055	L	AT OS 3.5/4.0	6460344
	4.5 / 5.0 / 5.0 S	4.5 / 5.0	AT OS 4.5/5.0 L	6431063	L	AT OS 4.5/5.0	6460443
Ankylos	A, B, C, D	C/X	ANK S	6586569	S	Not available	
Frialit / Xive	3,4	3.4	FX 3.4 S	6430891	S	FX 3.4, 3.8, 4.5, 5.5	6460476
	3,8	3.8	FX 3.8 S	6430909	S		
	4,5	4.5	FX 4.5 L	6430917	L		
	5,5	5.5	FX 5.5 L	6430925	L		
<b>Biomet 3i</b>							
Certain® (Inner connection)	3,4	3.4	B C 3.4 S	6431212	S	B C 3.4, 4.1, 5.0	6460450
	4,1	4.1	B C 4.1 L	6431220	L		
	5	5.0	B C 5.0 L	6431238	L		
Outer hexagon	3,4	3.4	B O 3.4 L	6431089	L	B O 3.4, 4.1, 5.0	6460468
	4,1	4.1	B O 4.1 L	6431105			
	5	5.0	B O 5.0 L	6431113			
<b>BioHorizons</b>							
(Inner connection) tapered internal, tapered internal tissue level, tapered plus, internal dental implant, single stage dental implants	3,0 / 3,8	3.0	BH 3.0 S	6532761	S	BH 3.0	6561240
	3,0/3,5/3,8/4,0/4,6	3.5	BH 3.5 L	6532886	L	BH 3.5, 4.5, 5.7	6561257
	4,0/4,6/5,0/5,8	4.5	BH 4.5 L	6532944	L		
	5,0/5,8/6,0	5.7	BH 5.7 L	6536234	L		
<b>HiOssen</b>							
HiOssen ET	3,5	Mini	O TS 3.5 L	6534197	L	O TS 3.5	6561208
	4,0/4,5/5,0/6,0/7,0	Regular	O TS 4.0 L	6536846		O TS 4.0	6561232
<b>Nobel Biocare</b>							
Replace (Tri-channel inner connection)	3,5	NP	NB RS 3.5 L	6430933	L	NB RS 3.5	6460526
	4,3	RP	NB RS 4.3 L	6430941			
	5	WP	NB RS 5.0 L	6430958		NB RS 4.3, 5.0, 6.0	6460534
	6	6.0	NB RS 6.0 L	6430982			
Nobel Active (conical connection)	3,5	NP	NB A 4.5 L	6431279	L	NB A 4.5	6460484
	4,3 / 5,0	RP	NB A 5.0 L	6431287		NB A 5.0	6460492
Branemark® (Outer hexagon)	3,3	NP	NB B 3.4 L	6431006	L	NB B 3.4	6460500
	3,75 / 4,0	RP	NB B 4.1 L	6431022		NB B 4.1	6460518
<b>Straumann</b>							
Bone Level	3,3	NC (3.3 mm) RC	S BL 3.3 L	6431246	L	S BL 3.3, 4.1	6460542
	4,1 / 4,8	(4.1 mm / 4.8 mm)	S BL 4.1 L	6431253			
Standard (Tissue Level)	3,3	NN (3.5 mm)	S SO 3.5 L	6431162	L	S SO 3.5	6460559
	3,3 / 4,1 / 4,8	RN (4.8 mm)	S SO 4.8 L	6431170		S SO 4.8, 6.5	6460567
	4,8	WN (6.5 mm)	S SO 6.5 L	6431196			
<b>Thommen Medical</b>							
SPI Element, SPI Contact, SPI Element Inicell, SPI Contact Inicell	3,5	3,5	TM 3.5 S	6544386	S	TM 3.5	6561265
	4	4	TM 4 S	6544394			
	4,5	4,5	TM 4.5 S	6544402		TM 4.0, 4.5, 5.0, 6.0	6561273
	5	5	TM 5 S	6544410			
	6	6	TM 6 S	6544428			
<b>Zimmer</b>							
Tapered Screw-Vent	3,7 / 4,1	3,5	Z TSV 3.5 L	6431139	L	Z TSV 3.5, 4.5, 5.7	6460575
	4,7	4,5	Z TSV 4.5 L	6431147			
	6	5,7	Z TSV 5.7 L	6431154			

Depending on the connection, the following components are compatible:

Connection	Scanbodies for Omnicam	Scanbodies for Bluecam
S	6431329	6431303
L	6431311	6431295

### 3 Materials

Designation	Component	Material	Description
Fixing screw		Ti6Al4V, medical grade 5, ASTM 136	Can be used 50x, sterilizable
Post		Ti6Al4V, medical grade 5, ASTM 136	Can be used 50x, sterilizable
Scanbody for Blue-cam		ABS (Cyclocac GPM 5500 / WH4A015F)	Can only be used once, disinfectable, Color: white
Scanbody for Omni-cam		ABS (Lustran M203FC)	Can only be used once, disinfectable, Color: gray

The images of the fixing screw and the post are only examples. Their actual form may vary depending on the implant system involved.

## 4 Indications for use

The Sirona Dental CAD/CAM System is intended for use in partially or fully edentulous mandibles and maxillae in support of single or multiple-unit cement retained restorations. For the SSO 3.5 L and SBL 3.3 L titanium bases, the indication is restricted to the replacement of single lateral incisors in the maxilla and lateral and central incisors in the mandible. The system consists of three major parts: TiBase, inCoris mesostructure, and CAD/CAM software. Specifically, the inCoris mesostructure and TiBase components make up a two-piece abutment which is used in conjunction with endosseous dental implants to restore the function and aesthetics in the oral cavity. The inCoris mesostructure may also be used in conjunction with the Camlog Titanium base CAD/CAM (types K2244.xxxx) (K083496) in the Camlog Implant System. The CAD/CAM software is intended to design and fabricate the inCoris mesostructure. The inCoris mesostructure and TiBase two-piece abutment is compatible with the following implant systems:

- Nobel Biocare Replace (K020646)
- Nobel Biocare Branemark (K022562)
- Friadent Xive (K013867)
- Biomet 3i Osseotite (K980549)
- Astra Tech Osseospeed (K091239)
- Zimmer Tapered Screw-Vent (K061410)
- Straumann SynOcta (K061176)
- Straumann Bone Level (K053088, K062129, K060958)
- Biomet 3i Certain (K014235, K061629)
- Nobel Biocare Active (K071370)

### CAUTION

Small diameter implants and large angled abutments in the anterior region of the mouth due to possible failure of the implant system.

### CAUTION

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



## 5 Use of TiBase devices and contra-indications

TiBase devices are attached to an implant as prosthetic titanium base for adhesion to mesostructures to restore function and aesthetics in the oral cavity.

Contra-indications are:

- 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 Use of ScanPost

### Preparations

1. Check the fixing screw and the post for damage before reusing them.

#### CAUTION

##### Risk of injury

Damaged parts must not be used in any case!

2. Sterilize all components of the ScanPost.  
Perform steam sterilization of the post and the fixing screw prior to each use on a patient. This can be performed with the fractionated vacuum or the gravitation method.  
The following sterilization parameters have been validated:
  - Sterilization time: 5 minutes at 132°C (270°F)
  - Sterilization time: 15 minutes at 121°C (250°F)
  - Sterilization time: 3 minutes at 135 °C (275 °F)
 Steam sterilization may be performed only using devices that comply with EN 13060 or EN 285 standards.

#### CAUTION

Make sure that the screw used for the ScanPost is not used for treatment of the remaining abutment teeth.

### Disinfecting the scanbody

- > Disinfect the scanbody with a high level disinfectant, e.g. Cidex<sup>®</sup> OPA from Johnson & Johnson, according to manufacturer specifications, before using it on the patient.

### Take a scan

1. Attach an aspiration protection to the post and Scanbody.
2. Prepare the patient for the intraoral scan with CEREC AC or CEREC Bluecam. Make sure that the correct scanbody type was selected in the software.
3. Insert the post and fix it with the fixing screw:  
**Tightening torques: max. 15 Ncm**  
check the scan post for proper seating in the implant, taking an X-ray exposure if necessary.



4. Mount the scanbody on top of the post. Make sure that the scanbody is pushed onto the post completely and that the markings on the scanbody and the post line up. Only the gray "Scanbodies for the Omnicam" should be used with CEREC Omnicam. CEREC Bluecam users should use only the white "scanbodies for the Bluecam", which are also supplied e.g. with the TiBase.
5. CEREC Bluecam only:  
Use CEREC Optispray. It is not necessary to coat the scanbody. It is advantageous to apply a thin coating of CEREC Optispray to the scanbody. Avoid coating until a blue coloration results.
6. Take the scan. Make sure that the upper side of the scanbody was captured well and completely. The sides of the scanbody do not have to be scanned.
7. Unplug the scanbody and dispose of it.
8. Loosen the fixing screw and remove the post.
9. CEREC Bluecam only:  
If necessary, use CEREC Optispray once again to take scans of the gingiva.

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

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