



CAD/CAM library architecture

3shape 

3shape library version : 2

INSTALLATION OF THE CAD/CAM TBR LIBRARY - 3SHAPE

- 1 - Download the 3shape library from our website <https://tbr.dental> tab «Digital CAD/CAM»
- 2 - Unzip the TBR 3SHAPE V2.zip file
- 3 - Open 3Shape Dental System Control Panel.exe, then on the home, select Import/Export
- 4 - Click on Import materials, then select the file TBR 3SHAPE V2.dme
- 5 - Click on Import
- 6 - Start 3shape

NEW CAD/CAM LIBRARY TBR - EXOCADV2

- Incorporation of TBR® connection base references – Coronal height = 5 mm.
- Removal of the cement space S across all TBR® ranges.

GENERAL

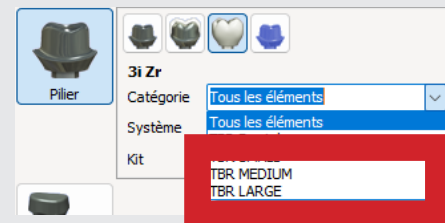
- 1 - Open the **3shape order form**
- 2 - Fill in the information fields as appropriate
- 3 - Fill in the «**Scanning parameters**» field
- 4 - Select the number(s) of the teeth to be treated
- 5 - In the menu, select «**Abutment**» to access the library
- 6 - In the «**Screw-retained crown**» tab of the Abutment menu, select the TBR® library

NOTE: The Category tab displays 3 TBR libraries:

MEDIUM, LARGE correspond to cement spacer left between the prosthetic restoration and the TBR® connection base.

MEDIUM value (standard adjustment)
LARGE value (large adjustment)

**Depending on your level of equipment >2015, we recommend choosing the TBR MEDIUM category*



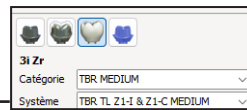
SINGLE UNIT PROSTHETIC RESTORATION (Work based on TBR® connection base rotational or non-rotational)

CHOICE OF IMPLANT SYSTEM

In the «**System**» field, indicate the implant system corresponding to your prosthetic restoration (information given by the practitioner):

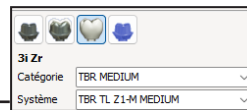
In the case of a prosthetic restoration on Tissue Level TBR implants®, internal octagonal connection (Z1-Infinity & Z1-Connect):

=> Select the **TBR TL Z1-I & Z1-C MEDIUM** system



In the case of a prosthetic restoration on Tissue Level TBR implants®, internal hexagonal connection (Z1-M):

=> Select the **TBR TL Z1-M MEDIUM** system



In the case of a prosthetic restoration on Bone Level TBR implants®, internal octagonal connection (Infinity & Connect & Baby 8):

=> Select the **TBR BL C-I-BABY 8 MEDIUM** system



In the case of a prosthetic restoration on Bone Level TBR implants®, internal hexagonal connection (M):

=> Select the **TBR BL M-BABY M MEDIUM** system



CHOICE OF PROSTHETIC KIT

Browse the «**kit**» tab to select the correct product number (available below) for the rotational or anti-rotational connection base associated with the selected implant system and the correct diameter.

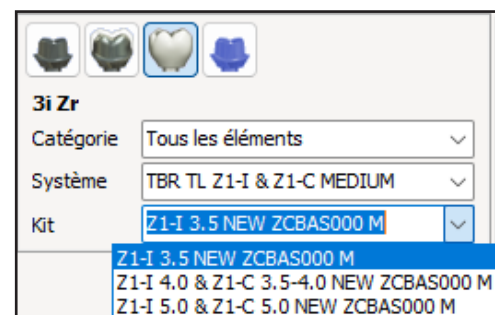
The same logic applies for each system selection, and the kit architecture is composed as follows:

[Example for Tissue Level TBR implants® Z1-Infinity & Z1-Connect]

- **Z1-I 3.5 ZC-BAS000 M** : corresponds to the Z1-Infinity Ø3.5 implant using an anti-rotational connection base (ref. ZC-BAS000) or a rotational connection base (ref. ZC-BASR000).

- **Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000 M** : corresponds to the Z1-Infinity Ø4 implant & the Z1-Connect Ø3.5 and Ø4.0 implants using an anti-rotational connection base (ref. ZC-BAS000) or a rotational connection base (ref. ZC-BASR000).

- **Z1-I 5.0 & Z1-C 5.0 ZC-BAS000 M** : corresponds to the Z1-Infinity Ø5 implant & the Z1-Connect Ø5.0 implant using an anti-rotational connection base (ref. ZC-BAS000) or a rotational connection base (ref. ZC-BASR000).



NOTE: Choice of TBR digital transfer® for single restorations (scanbodies)

Once the order has been created and completed, load the impressions.

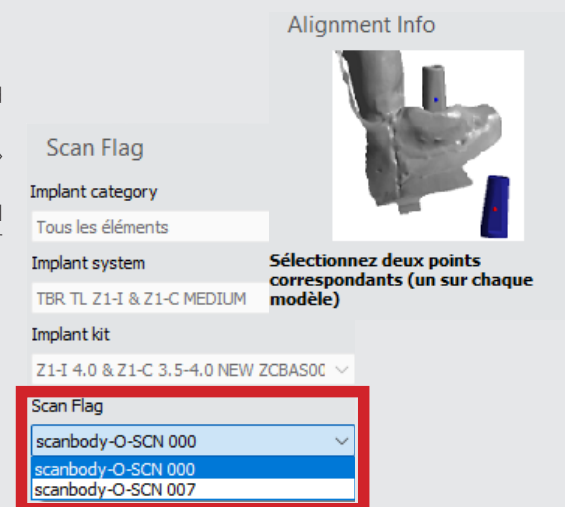
The impression preparation stage opens to refine, align the occlusion, cut and sculpt your loaded scans.

The next step is to align the abutment transfers according to the «Implant kit» library chosen at the outset.

In the case of a restoration based on a TBR connection base®, two TBR digital transfers®, whatever the diameter and range of implants (internal octagon or internal hexagon connection), are proposed in the Scan Flag box:

Scanbody-O-SCN000: LONG digital scanbody [ref. O-SCN000]
Scanbody-O-SCN007: SHORT digital scanbody [ref. O-SCN007]
Scanbody-M-SCNx00: LONG digital scanbody [ref. M-SCN300/400/500]
Scanbody-M-SCNx07: SHORT digital scanbody [ref. M-SCN307/407/507]

Choose the right TBR digital transfer® according on the type of scanbody displayed on the impressions.



PLURAL PROSTHETIC RESTORATION (Work on TBR® multi-unit abutments using TBR® Titanium/PEEK sleeves)

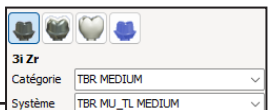
CHOICE OF IMPLANT SYSTEM

In the «**System**» field, indicate the implant system corresponding to your prosthetic restoration (information given by the practitioner):

In the case of a multi-unit prosthetic restoration on Tissue Level TBR implants®

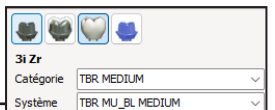
(Z1- Infinity, Z1-Connect and Z1-M):

=> Select the **TBR MU_TL MEDIUM** system



In the case of a plural prosthetic restoration on TBR® (Infinity, Connect, Baby 8, M et Baby M):

=> Select the **TBR MU_BL MEDIUM** system



CHOICE OF PROSTHETIC KIT

Browse the «**kit**» tab to select the correct product reference (ref. available below) for the TBR® titanium sheath compatible with TBR multi-unit abutments® associated with the selected implant system and the correct diameter.

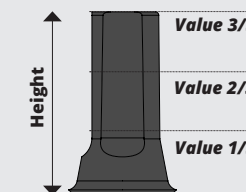
NOTE: In the «kit» tab, the part numbers of the multi-unit abutment sheaths in the library are indicated:

The indications 1/3, 2/3, 3/3 correspond to the virtual height of the sheaths for Multi-Unit abutments.

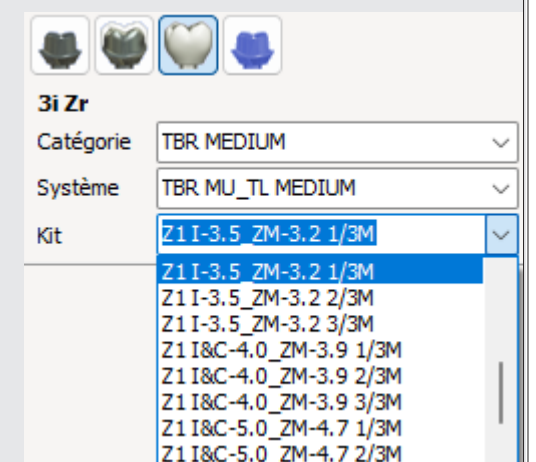
Value 1/3: low height

Value 2/3: average height

Value 3/3: high height

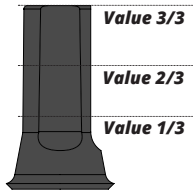
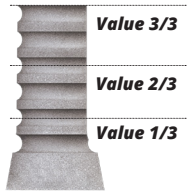
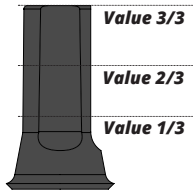
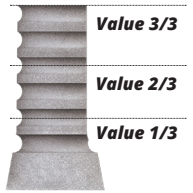
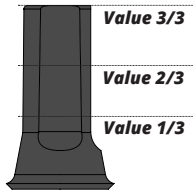
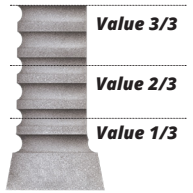


NOTE 2: In your design, the profile of the titanium sheath is shown smooth to gain mesh accuracy. On receipt of your physical titanium sheath, the profile is threaded. There will be no impact on the design.



The same logic applies for each system selection, and the kit architecture is composed as follows:

[Example for Tissue Level TBR Z1-Infinity & Z1-Connect implants]

LIBRARY REFERENCE	IMPLANT DIAMETER	3SHAPE PROFILE	PHYSICAL PROFILE
Z1 I-3.5_ZM-3.2 1/3M	Diameter Ø3.5 - Z1-Infinity Implant Diameter Zirconia platform Ø4.4		
Z1 I-3.5_ZM-3.2 2/3M			
Z1 I-3.5_ZM-3.2 3/3M			
Z1 I&C-4.0_ZM-3.9 1/3M	Diameter Ø3.5 - Z1-Connect Implant Diameter Ø4.0 - Z1-Infinity/Z1-Connect Implant Zirconia platform diameter Ø5.0		
Z1 I&C-4.0_ZM-3.9 2/3M			
Z1 I&C-4.0_ZM-3.9 3/3M			
Z1 I&C-5.0_ZM-4.7 1/3M	Diameter Ø5.0 - Z1-Infinity/Z1-Connect Implant Zirconia platform diameter Ø6.0		
Z1 I&C-5.0_ZM-4.7 2/3M			
Z1 I&C-5.0_ZM-4.7 3/3M			

NOTE: Choice of TBR digital transfer for multi-unit restorations

Once the order form has been created and completed, load the impressions.

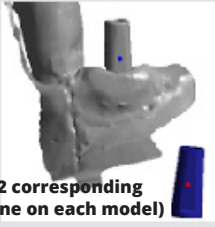
The impression preparation stage opens to refine, align the occlusion, cut and sculpt your loaded scans.

The next step is to align the abutment transfers according to the «Implant kit» library chosen at the outset.

In the case of a multi-unit restoration on a titanium or PEEK sheath on TBR multi-unit abutments, whatever the diameter and range implants (internal octagon or internal hexagon connection), the scanbody pre-filled in the Scan Flag box corresponds directly to the diameter pre-defined when filling in the order form.

At this point, select two corresponding points (one on each model).

Alignment Info



Scan Flag

Implant category

Tous les éléments

Implant system

TBR MU_TL MEDIUM

Implant kit

ZC-GCS000_Ø4.0-Ø3.9_1/3

Scan Flag

Scanbody_ZC-GCF500

Select 2 corresponding dots (one on each model)

For all requests concerning the TBR 3Shape library, the online technical support form on our website:
[HTTPS://TBR.DENTAL/EN/CONTACT](https://tbr.dental/en/contact) > TAB «REQUEST TECHNICAL SUPPORT»

TBR IMPLANT COMPATIBILITY / 3SHAPE TBR LIBRARY

BONE LEVEL IMPLANT - 2-STAGE SURGERY									
Implant range Diameter (mm) Implant codes			Screw-retained library <i>Use of indexed and non-indexed connection bases</i>					Bridge library <i>Use of Titanium or PEEK TBR sleeves for multi-unit abutments</i>	
			Library name	Coronal height = 3 mm		Coronal height = 5 mm		Library name	Reference in the 3shape library for TBR sleeves
				Gingival height 0.5 mm	Gingival height 1.5 mm	Gingival height 0.5 mm	Gingival height 1.5 mm		
Infinity	3.5	I3xx	TBR BL C-I-BABY 8	O-BAS300	O-BAS410	O-BAL300	O-BAL410	TBR MU_BL	I&C-3.5_M-3.2 x/3
	4.0	I4xx		O-BAS400		O-BAL400			I&C-4.0_M-3.9 x/3
	5.0	I5xx		O-BAS500		O-BAL500			I&C-5.0_M-4.7 x/3
M	3.2	M3xx	TBR BL M-BABY M	M-BAS307	M-BAS310	M-BAL307	M-BAL310		I&C-3.5_M-3.2 x/3
	3.9	M4xx		M-BAS407	M-BAS410	M-BAL407	M-BAL410		I&C-4.0_M-3.9 x/3
	4.7	M5xx		M-BAS507	M-BAS510	M-BAL507	M-BAL510		I&C-5.0_M-4.7 x/3
Connect	3.5	X3xx	TBR BL C-I-BABY 8	O-BAS300	O-BAS410	O-BAL300	O-BAL410		I&C-3.5_M-3.2 x/3
	4.0	X4xx		O-BAS400		O-BAL400			I&C-4.0_M-3.9 x/3
	5.0	X5xx		O-BAS500		O-BAL500			I&C-5.0_M-4.7 x/3
Baby 8	4	XS4x	TBR BL C-I-BABY 8	O-BAS400	O-BAS410	O-BAL400	O-BAL410		I&C-4.0_M-3.9 x/3
	5	XS5x		O-BAS500		O-BAL500			I&C-5.0_M-4.7 x/3
Baby M	3.9	MS4x	TBR BL M-BABY M	M-BAS407	M-BAS410	M-BAL407	M-BAL410		I&C-4.0_M-3.9 x/3
	4.7	MS5x		M-BAS507	M-BAS510	M-BAL507	M-BAL510		I&C-5.0_M-4.7 x/3

TISSUE LEVEL IMPLANT - 1-STAGE SURGERY									
Implant range Diameter (mm) Implant codes			Screw-retained library <i>Use of indexed and non-indexed connection bases</i>			Bridge library <i>Use of Titanium or PEEK TBR sleeves for multi-unit abutments</i>			
			Library name	Reference in the 3shape library of TBR connection bases Coronal height = 3 mm	Reference in the 3shape library of TBR connection bases Coronal height = 5 mm	Library name	Reference in the 3shape library for TBR sleeves		
Z1-Infinity (Low collar)	3.5	ZI3xx	TBR TL Z1-I & Z1-C	Z1-I 3.5 ZC-BAS000	Z1-I 3.5 ZC-BAL000	TBR MU_TL	Z1 I-3.5_ZM-3.2 x/3		
	4.0	ZI4xx		Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000		Z1 I&C-4.0_ZM-3.9 x/3		
	5.0	ZI5xx		Z1-I 5.0 & Z1-C 5.0 ZC-BAS000	Z1-I 5.0 & Z1-C 5.0 ZC-BAL000		Z1 I&C-5.0_ZM-4.7 x/3		
Z1-Infinity (High collar)	3.5	ZHI3xx		Z1-I 3.5 ZC-BAS000	Z1-I 3.5 ZC-BAL000		Z1 I-3.5_ZM-3.2 x/3		
	4.0	ZHI4xx		Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000		Z1 I&C-4.0_ZM-3.9 x/3		
	5.0	ZHI5xx		Z1-I 5.0 & Z1-C 5.0 ZC-BAS000	Z1-I 5.0 & Z1-C 5.0 ZC-BAL000		Z1 I&C-5.0_ZM-4.7 x/3		
Z1-M (Low collar)	3.2	ZM3xx	TBR TL Z1-M	Z1-M 3.2 ZM-BAS000	Z1-M 3.2 ZM-BAL000		Z1 I-3.5_ZM-3.2 x/3		
	3.9	ZM4xx		Z1-M 3.9 ZM-BAS000	Z1-M 3.9 ZM-BAL000		Z1 I&C-4.0_ZM-3.9 x/3		
	4.7	ZM5xx		Z1-M 4.7 ZM-BAS000	Z1-M 4.7 ZM-BAL000		Z1 I&C-5.0_ZM-4.7 x/3		
Z1-M (High collar)	3.2	ZHM3xx		Z1-M 3.2 ZM-BAS000	Z1-M 3.2 ZM-BAL000		Z1 I-3.5_ZM-3.2 x/3		
	3.9	ZHM4xx		Z1-M 3.9 ZM-BAS000	Z1-M 3.9 ZM-BAL000		Z1 I&C-4.0_ZM-3.9 x/3		
	4.7	ZHM5xx		Z1-M 4.7 ZM-BAS000	Z1-M 4.7 ZM-BAL000		Z1 I&C-5.0_ZM-4.7 x/3		
Z1-Connect (Low collar)	3.5	ZX3xx	TBR TL Z1-I & Z1-C	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000	Z1 I-3.5_ZM-3.2 x/3			
	4.0	ZX4xx		Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000	Z1 I&C-4.0_ZM-3.9 x/3			
	5.0	ZX5xx		Z1-I 5.0 & Z1-C 5.0 ZC-BAS000	Z1-I 5.0 & Z1-C 5.0 ZC-BAL000	Z1 I&C-5.0_ZM-4.7 x/3			
Z1-Connect (High collar)	3.5	ZHX3xx		Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000	Z1 I-3.5_ZM-3.2 x/3			
	4.0	ZHX4xx		Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAS000	Z1-I 4.0 & Z1-C 3.5-4.0 ZC-BAL000	Z1 I&C-4.0_ZM-3.9 x/3			
	5.0	ZHX5xx		Z1-I 5.0 & Z1-C 5.0 ZC-BAS000	Z1-I 5.0 & Z1-C 5.0 ZC-BAL000	Z1 I&C-5.0_ZM-4.7 x/3			



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