

YENADENT IMPLANT LIBRARIES FOR DWOS PLATFORM (v1.1)

NO	LIBRARY COMPABILITY*			LIBRARY COMPONENT CODES		
	MANUFACTURER	BRAND / PLATFORM	Ø (mm) BODY DIAMETER	LIBRARY (Implant Kits)	SCAN-JIG TO USE	PRE-MILL
1	Bio Horizons®	External™	3.5	YSJ_BH_01	YSJ_BH_01	YFM_BH_01
2	Bio Horizons®	External™	4.0	YSJ_BH_02	YSJ_BH_02	YFM_BH_02
3	Bio Horizons®	External™	5.0	YSJ_BH_03	YSJ_BH_03	YFM_BH_03
4	Biomet 3i®	External™	4.1	YSJ_BE_01	YSJ_BE_01	YFM_BE_01
5	Biomet 3i®	External™	5.0	YSJ_BE_02	YSJ_BE_02	YFM_BE_02
6	Biomet 3i®	External™	6.0	YSJ_BE_03	YSJ_BE_03	YFM_BE_03
7	Dentsply® Friadent®	Frialit / Xive®	3.0	YSJ_XV_01	YSJ_XV_01	YFM_XV_01
8	Dentsply® Friadent®	Frialit / Xive®	3.4	YSJ_XV_02	YSJ_XV_02	YFM_XV_02
9	Dentsply® Friadent®	Frialit / Xive®	3.8	YSJ_XV_03	YSJ_XV_03	YFM_XV_03
10	Dentsply® Friadent®	Frialit / Xive®	4.5	YSJ_XV_04	YSJ_XV_03	YFM_XV_04
11	Dentsply® Friadent®	Frialit / Xive®	5.5	YSJ_XV_05	YSJ_XV_03	YFM_XV_05
12	Dentsply® Astra Tech®	OsseoSpeed™	3.5 - 4.0	YSJ_AS_01	YSJ_AS_01	YFM_AS_01
13	Dentsply® Astra Tech®	OsseoSpeed™	4.5 - 5.0	YSJ_AS_02	YSJ_AS_02	YFM_AS_02
14	Nobel Biocare®	Branemark™ RP	4.0	YSJ_NB_01	YSJ_NB_01	YFM_NB_01
15	Nobel Biocare®	Branemark™ WP	5.0	YSJ_NB_02	YSJ_NB_02	YFM_NB_02
16	Nobel Biocare®	Branemark™ WP	6.0	YSJ_NB_03	YSJ_NB_03	YFM_NB_03
17	Nobel Biocare®	Replace Select™ NP	3.5	YSJ_NR_01	YSJ_NR_01	YFM_NR_01
18	Nobel Biocare®	Replace Select™ RP	4.3	YSJ_NR_02	YSJ_NR_02	YFM_NR_02
19	Nobel Biocare®	Replace Select™ WP	5.0	YSJ_NR_03	YSJ_NR_03	YFM_NR_03
20	Straumann®	Bone Level™ NC	3.5	YSJ_SB_01	YSJ_SB_01	YFM_SB_01
21	Straumann®	Bone Level™ RC	5.0	YSJ_SB_02	YSJ_SB_02	YFM_SB_02
22	Straumann®	SynOcta™ RN	4.8	YSJ_SS_01	YSJ_SS_01	YFM_SS_01
23	Straumann®	SynOcta™ WN	6.5	YSJ_SS_02	YSJ_SS_02	YFM_SS_02
24	Zimmer®	Screw-Vent™	3.5	YSJ_ZM_01	YSJ_ZM_01	YFM_ZM_01
25	Zimmer®	Screw-Vent™	4.5	YSJ_ZM_02	YSJ_ZM_02	YFM_ZM_02
26	Zimmer®	Screw-Vent™	5.7	YSJ_ZM_03	YSJ_ZM_03	YFM_ZM_03

* All Trademarks are registered by their respective owners, the listed kits are compatible with the implants indicated in the correspondence

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NO	LIBRARY COMPABILITY*			LIBRARY COMPONENT CODES		SCREW DIAMETERS	
	MANUFACTURER	BRAND / PLATFORM	Ø (mm) BODY DIAMETER	LIBRARY (Implant Kits)	PRE-MILL	Ø (mm) SCREW RADIUS (Bridge)	Ø (mm) SCREW RADIUS (Premill)
1	Bio Horizons®	External™	3.5	YSJ_BH_01	YFM_BH_01	1,300	1,300
2	Bio Horizons®	External™	4.0	YSJ_BH_02	YFM_BH_02	1,350	1,350
3	Bio Horizons®	External™	5.0	YSJ_BH_03	YFM_BH_03	1,350	1,350
4	Biomet 3i®	External™	4.1	YSJ_BE_01	YFM_BE_01	1,300	1,300
5	Biomet 3i®	External™	5.0	YSJ_BE_02	YFM_BE_02	1,300	1,300
6	Biomet 3i®	External™	6.0	YSJ_BE_03	YFM_BE_03	1,300	1,300
7	Dentsply® Friadent®	Frialit / Xive®	3.0	YSJ_XV_01	YFM_XV_01	1,050	1,050
8	Dentsply® Friadent®	Frialit / Xive®	3.4	YSJ_XV_02	YFM_XV_02	1,150	1,150
9	Dentsply® Friadent®	Frialit / Xive®	3.8	YSJ_XV_03	YFM_XV_03	1,150	1,150
10	Dentsply® Friadent®	Frialit / Xive®	4.5	YSJ_XV_04	YFM_XV_04	1,150	1,150
11	Dentsply® Friadent®	Frialit / Xive®	5.5	YSJ_XV_05	YFM_XV_05	1,150	1,150
12	Dentsply® Astra Tech®	OsseoSpeed™	3.5 - 4.0	YSJ_AS_01	YFM_AS_01	1,175	1,175
13	Dentsply® Astra Tech®	OsseoSpeed™	4.5 - 5.0	YSJ_AS_02	YFM_AS_02	1,175	1,175
14	Nobel Biocare®	Branemark™ RP	4.0	YSJ_NB_01	YFM_NB_01	1,300	1,300
15	Nobel Biocare®	Branemark™ WP	5.0	YSJ_NB_02	YFM_NB_02	1,300	1,300
16	Nobel Biocare®	Branemark™ WP	6.0	YSJ_NB_03	YFM_NB_03	1,500	1,500
17	Nobel Biocare®	Replace Select™ NP	3.5	YSJ_NR_01	YFM_NR_01	1,175	1,175
18	Nobel Biocare®	Replace Select™ RP	4.3	YSJ_NR_02	YFM_NR_02	1,250	1,250
19	Nobel Biocare®	Replace Select™ WP	5.0	YSJ_NR_03	YFM_NR_03	1,250	1,250
20	Straumann®	Bone Level™ NC	3.5	YSJ_SB_01	YFM_SB_01	1,150	1,050
21	Straumann®	Bone Level™ RC	5.0	YSJ_SB_02	YFM_SB_02	1,500	1,175
22	Straumann®	SynOcta™ RN	4.8	YSJ_SS_01	YFM_SS_01	1,300	1,300
23	Straumann®	SynOcta™ WN	6.5	YSJ_SS_02	YFM_SS_02	1,300	1,300
24	Zimmer®	Screw-Vent™	3.5	YSJ_ZM_01	YFM_ZM_01	1,175	1,175
25	Zimmer®	Screw-Vent™	4.5	YSJ_ZM_02	YFM_ZM_02	1,175	1,175
26	Zimmer®	Screw-Vent™	5.7	YSJ_ZM_03	YFM_ZM_03	1,175	1,175

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YENADENT IMPLANT LIBRARIES FOR DWOS PLATFORM (v1.2)

2013.12.23

Library Classification

There are 26 libraries for FreeMill type of restorations and 26 libraries in parallel for Bridge type of restorations:

- **Single FreeMill Restorations:** With this type of libraries the user is going to mill single prothetic restorations from Yenadent FreeMill titanium blocks. Each library corresponds to a specific FreeMill block. Please refer to the list of codes. In DWOS environment, the user has to use the libraries listed under **Yenadent (FreeMill) v1.0**
- **Bridge Restorations:** With this type of libraries the user can mill bridges, bars, screw-retained bridges, prettau type of constructions and full-virtual wax-ups. In DWOS environment, the user has to use the libraries listed under **Yenadent (Bridge) v1.0**

The user can import all of the libraries at once or libraries by categories such as “Bridges” or “FreeMills”. Importing libraries into DWOS environment is explained thoroughly in the Videos section.

Allowed Materials

We recommend using “metal” family of materials. By default, following materials are allowed in Yenadent implant libraries:

- **DWOS Metal** – is a default material that is embedded inside DWOS software
- **TD Metal CNC (Implant)** – is created specially to produce prothetic frameworks for implant cases by milling technologies
- **TD Metal SLS (EOS)** – is created specially to produce prothetic frameworks for implant cases by laser sintering technologies. This parameter is optimized for direct metal laser sintering (DMLS) machines from EOS GmbH.

These materials are provided in XML format in the library package. The user can import them to the DWOS software manually. Under “Material Management” application, the user can right-click to a “**manufacturer**” in the list and select “**Import material**” from the menu. After that the user has to find the location of the XML files in the computer.

Allowing More Materials

New materials can be added inside DWOS platform and can be allowed to use with Yenadent implant libraries. In the library list, the user can right-click to any library and choose “edit supported materials” button. The pop-up window will allow user to enable less or more materials from the materials database. (A video is included in the package to show how to enable/disable materials) It’s user’s responsibility to consider the risk of milling ceramic/zirconia type of materials and screwing them into intra-oral environment.

How To Create An Order

Please launch the “Order Creation” application. From “Prosthesis Family” drop-down menu, select “Abutments”. After that, it is very important to select the **right** material since Yenadent implant libraries are not allowed for all materials by default. After selecting the material, the user has to find the correct Yenadent library from the list.

Yenadent libraries are classified in two groups so the user has to find correct classification (FreeMill or Bridge) then select the correct library under **Yenadent (Bridge)** or **Yenadent (FreeMill)**. DWOS platform allows using different anatomy kits. Anatomy kit selection will effect the esthetics of the prothetic design. The user can also try different anatomy kits during the design. (Please refer to the videos section in the package for details.)

How To Scan

After selecting a library in the DWOS software it is very important to check which scan-jig to use from this documentation. Some scan-jigs are being used for **multiple** libraries.

Yenadent scan-jigs require spraying and they have to be sprayed homogenously to cover all metal surfaces. DWOS software allows to use one scan-jig for a multi-implant case. But it has to be remembered that this will always require a great care in the working procedure and it's always open to a risk of losing precision. Yenadent recommends to use multi scan-jigs for multi-implant cases therefore scanning precision will be guaranteed. (For ex, to use 6 scan-jigs for a 6 implant case.)

It is **always** recommended to export and save scan data after all scanning is done. It is **very important** to export the files before sending the case to CAD Engine. Because scan-jigs will be removed from the scan data and the software will only keep plaster parts of the scan.

Margin Lines

- **Single (FreeMill) Restorations:** By default, Yenadent libraries offer an automatic and parametric margin line but it can be modified by the user at anytime.
- **Bridge Restorations:** There is no preset for margin lines for bridges. The user has to compute the parametric margin line or set the margin line manually.

Angled Screw Holes

- **Single (FreeMill) Restorations:** It is impossible to make an angled screw hole for FreeMill restorations as the hole is already milled inside the block. Therefore in Yenadent libraries having angled screw holes is disabled for single restorations.
- **Bridge Restorations:** In Yenadent libraries, to design an angled screw hole is allowed. It's user's **responsibility** to consider how to mill the angled hole and place the screw inside. The user has to take care of **the insertion axis of the bridge (5 or 4-axis milling) and the screw-hole axis** during the CAD design. (It is always possible to disable using angled screw-holes. The user only needs to uncheck the checkbox of the corresponding library in the Implant Kits Editor.)

Using Screws

Yenadent libraries are specially created for precision and the fit will be complete when Yenadent screws are used. This documentation also includes screw related information.

Version & Support Information

DWOS Version: The libraries are created and tested under v3.6.0.28814 and performance of the libraries are not known for previous versions.

Testing: Diversity of software versions, hardware configurations and methods followed by the user directly effects the end result. Therefore it is recommended to the users to test the libraries one by one over physical analogues before starting clinical cases.

Support & Bug Reports: Please let us hear about your opinions. If you find any inconvenience in the libraries, please send an e-mail including:

- Screenshots (if possible)
- Original scan files (saved right before sending the case to the CAD Engine)
- Design files and order files.