



3SHAPE



EXOCAD



DENTAL WINGS

DESS LAB

LIBRARY GUIDE

FOR CUSTOM ABUTMENTS

INS-09-ENG-05

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Use of DESS LAB Custom Abutments Library in CAD dental systems

DESS LAB Library allows single-piece anatomical abutments to be milled directly on implant connection by our milling center. For the correct scanning and valid stl file creation DESS Scan Abutments and DESS LAB Library are needed. Please note that in case of direct milling all connection measures and values are approximate and therefore can only be milled in our facilities to assure the connection quality. All files are for the implant-level scanning and needs to be performed with the Scan Abutment for the specific implant connection. Take care to select the correct DESS Scan Abutment and the corresponding library file, as otherwise the milled abutment can differ from desired outcome. DESS LAB is not responsible for any errors resulting from improper library file selection. Depending on the CAD system, the library structure and connection names differ slightly from each other.

Implant level scan

3Shape DESS LAB ONE PIECE CUSTOM LIBRARY



The table 1.1 gives an overview of all DESS LAB library files as shown in 3Shape:

IMPLANT TYPE	PLATFORM	LIBRARY FILE "DESS LAB DIRECT IMPLANT"			CONNECTION TO BE MILLED	SCAN ABUTMENT (desktop/intraoral)	ANALOGUE
		CATEGORY	SYSTEM	KIT			
BRÄNEMARK SYSTEM®	NP	DESS LAB DIRECT IMPLANT	DESS LAB NOB BRK DIRECT	NOB BRK NP E 51.001	Direct to implant	50.001/52.001	14.001
	RP	DESS LAB DIRECT IMPLANT	DESS LAB NOB BRK DIRECT	NOB BRK RP E 51.002	Direct to implant	50.002/52.002	14.002
	WP	DESS LAB DIRECT IMPLANT	DESS LAB NOB BRK DIRECT	NOB BRK WP E 51.003	Direct to implant	50.003/52.003	14.003
NOBEL REPLACE®	NP	DESS LAB DIRECT IMPLANT	DESS LAB NOB RPL DIRECT	NOB RPL NP E 51.004	Direct to implant	50.004/52.004	14.004
	RP	DESS LAB DIRECT IMPLANT	DESS LAB NOB RPL DIRECT	NOB RPL RP E 51.005	Direct to implant	50.005/52.005	14.005
	WP	DESS LAB DIRECT IMPLANT	DESS LAB NOB RPL DIRECT	NOB RPL WP E 51.006	Direct to implant	50.006/52.006	14.006
NOBEL ACTIVE™	NP	DESS LAB DIRECT IMPLANT	DESS LAB NOB ACT DIRECT	NOB RPL NP E 51.041	Direct to implant	50.041/52.041	14.041
	RP	DESS LAB DIRECT IMPLANT	DESS LAB NOB ACT DIRECT	NOB RPL RP E 51.042	Direct to implant	50.042/52.042	14.042
STRAUMANN® SOFT TISSUE LEVEL	RN	DESS LAB DIRECT IMPLANT	DESS LAB STR STLV DIRECT	STR STLV RN 51.009	Direct to implant	50.009/52.009	14.009
	WN	DESS LAB DIRECT IMPLANT	DESS LAB STR STLV DIRECT	STR STLV WN 51.045	Direct to implant	50.045/52.045	14.045
STRAUMANN® BONE LEVEL	NC	DESS LAB DIRECT IMPLANT	DESS LAB STR BLV DIRECT	STR BLV NC E 51.043	Direct to implant	50.043/52.043	14.043
	RC	DESS LAB DIRECT IMPLANT	DESS LAB STR BLV DIRECT	STR BLV RC E 51.044	Direct to implant	50.044/52.044	14.044
ASTRA TECH™ OSSEOSPEED™	RP	DESS LAB DIRECT IMPLANT	DESS LAB AST OSS DIRECT	AST OSS Aqua E 51.024	Direct to implant	50.024/52.024	14.024
	WP	DESS LAB DIRECT IMPLANT	DESS LAB AST OSS DIRECT	AST OSS Lilac E 51.025	Direct to implant	50.025/52.025	14.025
FRIADENT® XIVE®	NP	DESS LAB DIRECT IMPLANT	DESS LAB DEN XIV DIRECT	DEN XIV 3.4 E 51.038	Direct to implant	50.038/52.038	14.038
	RP	DESS LAB DIRECT IMPLANT	DESS LAB DEN XIV DIRECT	DEN XIV 3.8 E 51.039	Direct to implant	50.039/52.039	14.039
	WP	DESS LAB DIRECT IMPLANT	DESS LAB DEN XIV DIRECT	DEN XIV 4.5 E 51.040	Direct to implant	50.040/52.040	14.040
ANKYLOS® /X	All platforms	DESS LAB DIRECT IMPLANT	DESS LAB DEN ANK DIRECT	DEN ANK DIRECT 51.049	Direct to implant	50.049/52.049	14.049
ZIMMER SCREW-VENT®	NP	DESS LAB DIRECT IMPLANT	DESS LAB ZIM SCV DIRECT	ZIM SCV NP E 51.017	Direct to implant	50.017/52.017	14.017
	RP	DESS LAB DIRECT IMPLANT	DESS LAB ZIM SCV DIRECT	ZIM SCV RP E 51.018	Direct to implant	50.018/52.018	14.018
	WP	DESS LAB DIRECT IMPLANT	DESS LAB ZIM SCV DIRECT	ZIM SCV WP E 51.019	Direct to implant	50.019/52.019	14.019
MIS SEVEN®	RP	DESS LAB DIRECT IMPLANT	DESS LAB MIS SEV DIRECT	MIS SEV RP E 51.017	Direct to implant	50.017/52.017	14.017
	WP	DESS LAB DIRECT IMPLANT	DESS LAB MIS SEV DIRECT	MIS SEV WP E 51.018	Direct to implant	50.018/52.018	14.018
3i® OSSEOTITE®	NP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® OSS DIRECT	NP E 51.011	Direct to implant	50.011/52.011	14.011
	RP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® OSS DIRECT	RP E 51.012	Direct to implant	50.012/52.012	14.012
	WP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® OSS DIRECT	WP E 51.013	Direct to implant	50.013/52.013	14.013
3i® OSSEOTITE® CERTAIN®	NP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® CER DIRECT	NP E 51.014	Direct to implant	50.014/52.014	14.014
	RP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® CER DIRECT	RP E 51.015	Direct to implant	50.015/52.015	14.015
	WP	DESS LAB DIRECT IMPLANT	DESS LAB 3i® CER DIRECT	WP E 51.016	Direct to implant	50.016/52.016	14.016
BIOHORIZONS®	NP	DESS LAB DIRECT IMPLANT	DESS LAB BH EXTERNAL DIRECT	BH EXTERNAL NP E 51.020	Direct to implant	50.020/52.020	14.020
	RP	DESS LAB DIRECT IMPLANT	DESS LAB BH EXTERNAL DIRECT	BH EXTERNAL RP E 51.021	Direct to implant	50.021/52.021	14.021
	WP	DESS LAB DIRECT IMPLANT	DESS LAB BH EXTERNAL DIRECT	BH EXTERNAL WP E 51.022	Direct to implant	50.022/52.022	14.022
ASTRA TECH™ IMPLANT SYSTEM™ EV	EV3.6	DESS LAB DIRECT IMPLANT	DESS LAB AST EV EXTERNAL DIRECT	AST EVO 3.6 51.059	Direct to implant	50.059/52.059	14.059
	EV4.2	DESS LAB DIRECT IMPLANT	DESS LAB AST EV EXTERNAL DIRECT	AST EVO 3.6 51.060	Direct to implant	50.060/52.060	14.060
	EV4.8	DESS LAB DIRECT IMPLANT	DESS LAB AST EV EXTERNAL DIRECT	AST EVO 3.6 51.061	Direct to implant	50.061/52.061	14.061

Table 1.1 DESS LAB DIRECT IMPLANT 3Shape.

CUSTOM LIBRARY

The table 1.2 gives an overview of all DESS LAB library files as shown in Exocad:

LIBRARY FILE – ONE-CLICK REGISTRATION			CONNECTION TO BE MILLED	SCAN ABUTMENT	ANALOGUE	IMPLANT TYPE
NAME	PLATFORM	TYPE				
DESS LAB 3i® CER DIRECT	NP	Engaging	Direct to implant	50.014/52.014	14.014	3i® OSSEOTITE® CERTAIN®
	RP	Engaging	Direct to implant	50.015/52.015	14.015	
	WP	Engaging	Direct to implant	50.016/52.016	14.016	
DESS LAB 3i® OSS DIRECT	NP	Engaging	Direct to implant	50.011/52.011	14.011	3i® OSSEOTITE®
	RP	Engaging	Direct to implant	50.012/52.012	14.012	
	WP	Engaging	Direct to implant	50.013/52.013	14.013	
DESS LAB AST OSS DIRECT	RP	Engaging	Direct to implant	50.024/52.024	14.024	ASTRA TECH™ OSSEOSPEED™
	WP	Engaging	Direct to implant	50.025/52.025	14.025	
DESS LAB BH EXTERNAL DIRECT	NP	Engaging	Direct to implant	50.020/52.020	14.020	BIOHORIZONS®
	RP	Engaging	Direct to implant	50.021/52.021	14.021	
	WP	Engaging	Direct to implant	50.022/52.022	14.022	
DESS LAB DEN ANK DIRECT	All platforms	Engaging	Direct to implant	50.049/52.049	14.049	ANKYLOS® C/X
DESS LAB DEN XIV DIRECT	NP	Engaging	Direct to implant	50.038/52.038	14.038	FRIADENT® XiVe®
	RP	Engaging	Direct to implant	50.039/52.039	14.039	
	WP	Engaging	Direct to implant	50.040/52.040	14.040	
DESS LAB MIS SEV DIRECT	RP	Engaging	Direct to implant	50.017/52.017	14.017	MIS SEVEN®
	WP	Engaging	Direct to implant	50.018/52.018	14.018	
DESS LAB NOB ACT DIRECT	NP	Engaging	Direct to implant	50.041/52.041	14.041	NOBEL ACTIVE™
	RP	Engaging	Direct to implant	50.042/52.042	14.042	
DESS LAB NOB BRK DIRECT	NP	Engaging	Direct to implant	50.001/52.001	14.001	BRÄNEMARK SYSTEM®
	RP	Engaging	Direct to implant	50.002/52.002	14.002	
	WP	Engaging	Direct to implant	50.003/52.003	14.003	
DESS LAB NOB RPL DIRECT	NP	Engaging	Direct to implant	50.004/52.004	14.004	NOBEL REPLACE®
	RP	Engaging	Direct to implant	50.005/52.005	14.005	
	WP	Engaging	Direct to implant	50.006/52.006	14.006	
DESS LAB STR BLV DIRECT	NC	Engaging	Direct to implant	50.043/52.043	14.043	STRAUMANN® BONE LEVEL
	RC	Engaging	Direct to implant	50.044/52.044	14.044	
DESS LAB STR STLV DIRECT	RN	Engaging	Direct to implant	50.009/52.009	14.009	STRAUMANN® SOFT TISSUE LEVEL
	WN	Engaging	Direct to implant	50.045/52.045	14.045	
DESS LAB ZIM SCV DIRECT	NP	Engaging	Direct to implant	50.017/52.017	14.017	ZIMMER SCREW-VENT®
	RP	Engaging	Direct to implant	50.018/52.018	14.018	
	WP	Engaging	Direct to implant	50.019/52.019	14.019	
DESS LAB AST EVO DIRECT	3.6	Engaging	Direct to implant	50.059/52.059	14.059	ASTRA TECH™ IMPLANT SYSTEM™ EV
	4.2	Engaging	Direct to implant	50.060/52.060	14.060	
	4.8	Engaging	Direct to implant	50.061/52.061	14.061	

Table 1.2 DESS LAB DIRECT IMPLANT EXOCAD.

CUSTOM LIBRARY

The table 1.3 gives an overview of all DESS LAB library files in alphabetical order as shown in DWOS CAD system:

LIBRARY FILE FROM THE GROUP "DESS LAB DIRECT IMPLANT"	CONNECTION TO BE MILLED	SCAN ABUTMENT	ANALOGUE	PLATFORM	IMPLANT TYPE
3i® CER NP 51.014	Direct to implant	50.014/52.014	14.014	NP	3i® OSSEOTITE® CERTAIN®
3i® CER RP 51.015	Direct to implant	50.015/52.015	14.015	RP	
3i® CER WP 51.016	Direct to implant	50.016/52.016	14.016	WP	
3i® OSS NP 51.011	Direct to implant	50.011/52.011	14.011	NP	3i® OSSEOTITE®
3i® OSS RP 51.012	Direct to implant	50.012/52.012	14.012	RP	
3i® OSS WP 51.013	Direct to implant	50.013/52.013	14.013	WP	
AST OSS AQUA® RP 51.024	Direct to implant	50.024/52.024	14.024	RP	ASTRA TECH™ OSSEOSPEED™
AST OSS LILAC® WP 51.025	Direct to implant	50.025/52.025	14.025	WP	
BH EXTERNAL NP 51.020	Direct to implant	50.020/52.020	14.020	NP	BIOHORIZONS®
BH EXTERNAL RP 51.021	Direct to implant	50.021/52.021	14.021	RP	
BH EXTERNAL WP 51.022	Direct to implant	50.022/52.022	14.022	WP	
DEN ANK 51.049	Direct to implant	50.049/52.049	14.048	All platforms	ANKYLOS® /X
DEN XIV 3.4 51.038	Direct to implant	50.038/52.038	14.038	NP	FRIADENT® XiVE®
DEN XIV 3.8 51.039	Direct to implant	50.039/52.039	14.039	RP	
DEN XIV 3.4 51.040	Direct to implant	50.040/52.040	14.040	WP	
MIS SEV RP 51.017	Direct to implant	50.017/52.017	14.017	RP	MIS SEVEN®
MIS SEV WP 51.018	Direct to implant	50.018/52.018	14.018	WP	
NOB ACT NP 51.041	Direct to implant	50.041/52.041	14.041	NP	NOBEL ACTIVE™
NOB ACT RP 51.042	Direct to implant	50.042/52.042	14.042	RP	
NOB BRK NP 51.001	Direct to implant	50.001/52.001	14.001	NP	BRÄNEMARK SYSTEM®
NOB BRK RP 51.002	Direct to implant	50.002/52.002	14.002	RP	
NOB BRK WP 51.003	Direct to implant	50.003/52.003	14.003	WP	
NOB RPL NP 51.004	Direct to implant	50.004/52.004	14.004	NP	NOBEL REPLACE®
NOB RPL RP 51.005	Direct to implant	50.005/52.005	14.005	RP	
NOB RPL WP 51.006	Direct to implant	50.006/52.006	14.006	WP	
STR BLV NC 51.043	Direct to implant	50.043/52.043	14.043	NC	STRAUMANN® BONE LEVEL
STR BLV RC 51.044	Direct to implant	50.044/52.044	14.044	RC	
STR STLV RN 51.009	Direct to implant	50.009/52.009	14.009	RN	STRAUMANN® SOFT TISSUE LEVEL
STR STLV WN 51.045	Direct to implant	50.045/52.045	14.045	WN	
ZIM SCV NP 51.017	Direct to implant	50.017/52.017	14.017	NP	ZIMMER SCREW-VENT®
ZIM SCV RP 51.018	Direct to implant	50.018/52.018	14.018	RP	
ZIM SCV WP 51.019	Direct to implant	50.019/52.019	14.019	WP	
AST EV 3.6 51.059	Direct to implant	50.059/52.059	14.059	3.6	ASTRA TECH™ IMPLANT SYSTEM™ EV
AST EV 4.2 51.060	Direct to implant	50.060/52.060	14.060	4.2	
AST EV 4.8 51.061	Direct to implant	50.061/52.061	14.061	4.8	

Table 1.3 DESS LAB DIRECT IMPLANT DWOS.

These instructions replace all previous editions. For any detailed information about DESS LAB® products please contact your local distributor. The photographs of the products are for information purposes only. The type, reference and connection of each element should be checked.

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