



DESS

> DENTAL SMART SOLUTIONS

Catalogue Pre-Milled 2024



PRE-MILLED

Over the last decade, we've seen a revolutionary transformation in the dental industry. New technology added to the rise of saas solutions, are setting the grounds for more customization in the abutments market.

At DESS® we pioneered launching our first range of Pre-milled blanks, back in 2012, but the market wasn't there yet.

In the recent years, however, both in-house milling machines and the CAD/CAM softwares have not only improved but also made the customization more affordable, this in conjunction with a new generation of professionals are helping modern dentistry to thrive and more certainly be at the foreground of the industry.

Now DESS® has become one of the leading manufacturers of premilled and a reference in the DiY dentistry.

DESS® offers a full assortment of Titanium grade V ELI and Cobalt Chrome pre-milled blanks available in 10mm & 14mm diameters, in the most popular implant connections of the market.

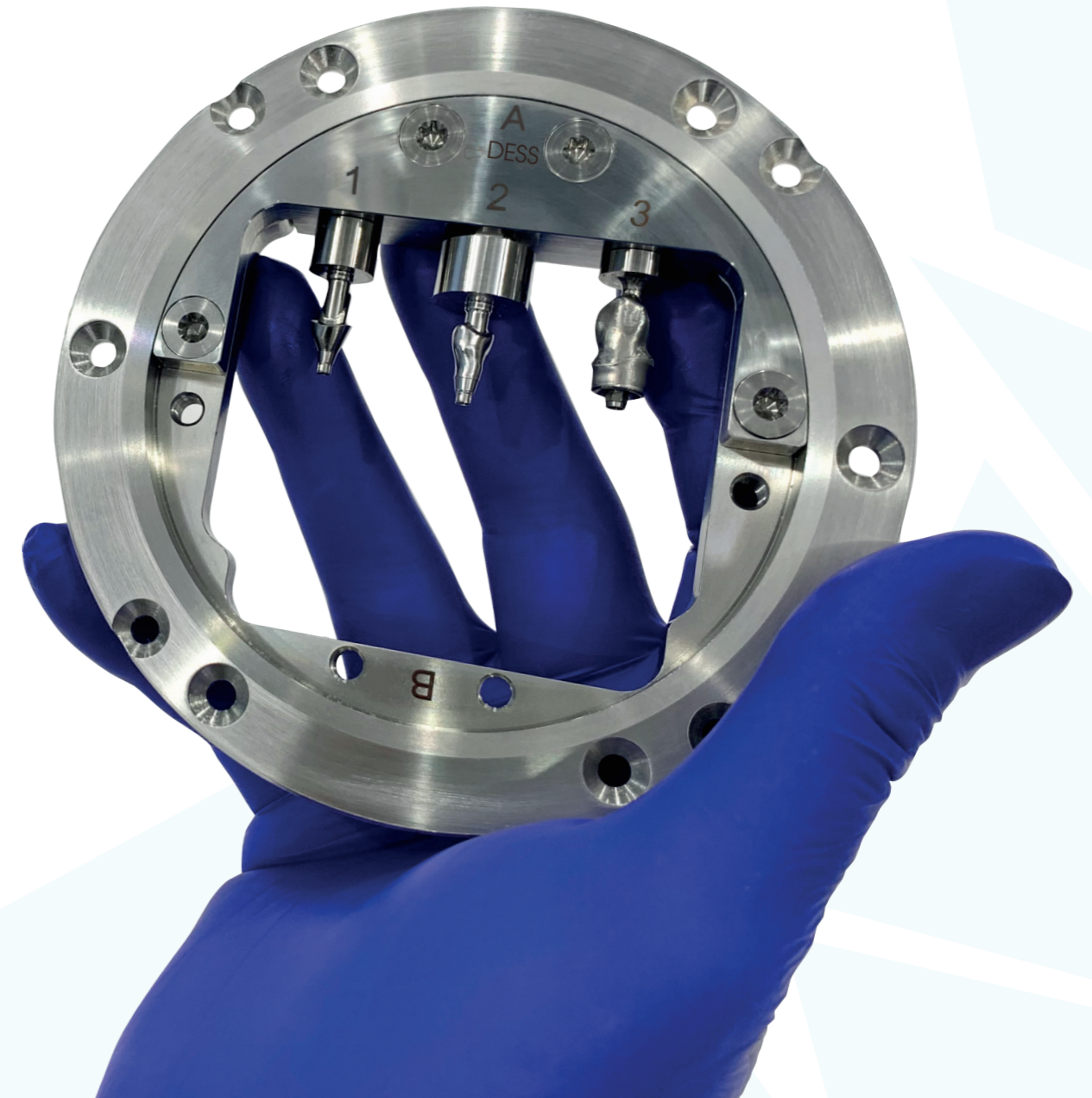
The blanks work together with the DESS® holder systems specially developed for Imes-Icore® VHF® machines, ZirkonZahn® wet mill, Yenadent® and also available a universal holder for any other machine that use standard 98mm discs and 3R rapid changers.



The DESS holder system has several advantages to other solutions:

Quick "screw-on" system where the pre-milled blanks are attached to a subholder outside the machine and then placed in the holder that remains in the machine. This makes it easier, cleaner and faster when it comes to placing and removing blocks.

Also, due to the unique way of "pull down and lock" holding system with a screw that secures the pre-milled blank, assuring the maximum precision and stability during the milling process is achieved. Pre-milled socket positions and sub-holders are laser identified to better ensure what is where and optimise the milling process.



OUR BLANKS

Only the finest Titanium Grade V ELI (extra low interstitial) or also called Grade 23, and the exclusive Micro Melt Cobalt-Chrome, are used to manufacture our Premilled Blanks.

A total millable length of 20 mm makes it one of the longest in the market.

Our Micro Melt Cobalt-Chrome alloy has no internal tension so however radical your design is, the final custom abutment will preserve the shape along the process resulting in lower probability of ceramic cracks.

The DESS® Cobalt-Chrome is also **Easier to mill** than others alloys in the market, which will preserve your tools.

Contact our support team to know the exact thermal expansion coefficient to assure the highest level of quality on your final work.

Minimal gingival transition height, just 0,3 mm to allow a maximum degree of design freedom.

“Pull down and lock” holding system. Developed by DESS® back in 2012, allows a strong and precise positioning of the pre-milled blank inside its socket.



Available in:

- Titanium 10mm or 14mm
- Cobalt-Chrome 14mm

DESS® connection precision is guaranteed in all our Premilled Blanks.

Holders:

If you have decided to use the DESS® Pre-mills and Blocks systems, and found a holder compatible with your milling machine, then there are different alternatives on how to work on the DESS Digital Workflow. First, we need to define your set-up.

CAM Software:

It is important to know what type of CAM software you're using.

Original CAM*:

If you're using the original CAM software from VHF or Imes, you have to contact the manufacturer or reseller and request the DESS® holder. If this supplier isn't able to provide you with the holder, you probably will need to pay a "Liberation Fee" that will unlock the software, and will allow you to use our holder.

3rd Party CAM:

If you are already using a different software, you can acquire the holder directly from DESS®.



PRE-MILLED BLANK



		3.0	NP	RP	WP
NobelActive® NobelReplace® CC					
Active Hex		3.0	3.5	4.3/5.0	5.5
Ø 10mm	Ti	61.068	61.041	61.042	61.069
Ø 14mm	Ti		62.041	62.042	62.069
Ø 14mm	CoCr		71.041	71.042	71.069

		3.0	NP	RP	WP
NobelActive® NobelReplace® CC					
Active Hex		3.0	3.5	4.3/5.0	5.5
Ø 10mm	Ti A corner	61.349			
Ø 10mm	Ti B flat	71.349			
Ø 14mm	Ti A corner		61.341	61.342	
Ø 14mm	Ti B flat		71.341		

		NP	RP	WP	6.0
NobelReplace Select™					
Tri-Lobe		NP/3.5	RP/4.3	WP/5.0	6.0
Ø 10mm	Ti	61.004	61.005	61.006	61.097
Ø 14mm	Ti		62.005	62.006	62.097
Ø 14mm	CoCr	71.004	71.005	71.006	71.097

		NP	RP	WP
NobelBranemark®				
External Hex Universal		NP/3.5	RP/4.1	WP/5.1
Ø 10mm	Ti	61.001	61.002	61.003
Ø 14mm	CoCr	71.001	71.002	71.003

DENTAL SOFTWARES GM&H

hyperDENT

vhf



worknc
Dental

imes-icore
Competence in CNC & DENTAL-Solutions

*Please contact your DESS Distributor to get additional information.



3i Osseotite®
External Hex USA

		NP	RP	WP
Ø 10mm	Ti	61.011	61.012	61.013
Ø 14mm	CoCr	71.011	71.012	71.013



3i Certain®
Internal Hex "CLICK"

		NP	RP	WP
Ø 10mm	Ti	61.014	61.015	61.016
Ø 14mm	Ti		62.015	62.016
Ø 14mm	CoCr	71.014	71.015	71.016



Straumann® Soft Tissue Level & synOcta®
Octagon

		NNC	RN	WN
Ø 10mm	Ti	61.070	61.009	61.045
Ø 14mm	Ti		62.009	62.045
Ø 14mm	CoCr	71.070	71.009	71.045



Straumann® Bone Level
Conical BL

		NP	RP	NP/RP
Ø 10mm	Ti	61.043	61.044	
Ø 14mm	Ti	62.043	62.044	
Ø 14mm	CoCr	71.043	71.044	



Straumann® Bone Level
Conical BL

		NP	RP	NP/RP
Ø 14mm	Ti	A corner	61.343	61.344
Ø 14mm	Ti	B flat	71.343	71.344

A

B



Straumann® BLX
Conical BLX

		RB/WB	WB
Ø 10mm	Ti	61.062	
Ø 14mm	Ti		62.063
Ø 14mm	CoCr		71.063



Neodent Grand Morse®
NEO GM

		GM
Ø 10mm	Ti	61.035
Ø 14mm	Ti	62.035
Ø 14mm	CoCr	71.035



Zimmer Screw-Vent®
Internal Hex USA

		NP	RP	WP
Ø 10mm	Ti	61.017	61.018	61.019
Ø 14mm	Ti	62.017	62.018	62.019
Ø 14mm	CoCr	71.017	71.018	71.019



Astra Tech Implant System™ EV
Conic EVO

		EV/3.0	EV/3.6	EV/4.2	EV/4.8	EV/5.4
Ø 10mm	Ti	61.406	61.059	61.060	61.061	61.407
Ø 14mm	Ti		62.059	62.060	62.061	62.407
Ø 14mm	CoCr		71.059	71.060	71.061	71.407



Astra Tech Osseospeed™
Internal Hex Conic

		NP	RP	WP
Ø 10mm	Ti	61.023	61.024	61.025
Ø 14mm	Ti		62.024	62.025
Ø 14mm	CoCr		71.024	71.025



Dentsply friudent® XIVE®
Internal Hex FD

	NP	RP	WP	5.5
Ø 10mm Ti	61.038	61.039	61.040	61.071
Ø 14mm Ti		62.039	62.040	62.071
Ø 14mm CoCr	71.038	71.039	71.040	71.071



Ankylos® C/X
Internal ANK

Ø 10mm Ti	61.250
Ø 14mm CoCr	71.250



Osstem® TS
Conic OSS

		Mini	STD
		Mini	Regular
Ø 10mm Ti		61.072	61.073
Ø 14mm Ti		62.072	62.073
Ø 14mm CoCr		71.072	71.073



Camlog®
Internal CAM

	3.3	3.8	4.3	5.0
Ø 10mm Ti	61.064	61.065	61.066	61.067
Ø 14mm Ti		62.065	62.066	62.067
Ø 14mm CoCr	71.064	71.065	71.066	71.067



Biohorizons®
Internal Hex BH

	3.0	NP	RP	WP
Ø 10mm Ti	61.099	61.087	61.088	61.089
Ø 14mm Ti			62.088	62.089



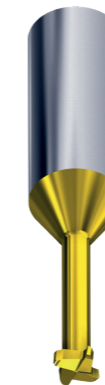
Megagen AnyRidge®
Conic ANYR

Ø 10mm Ti	61.057
Ø 14mm CoCr	71.057



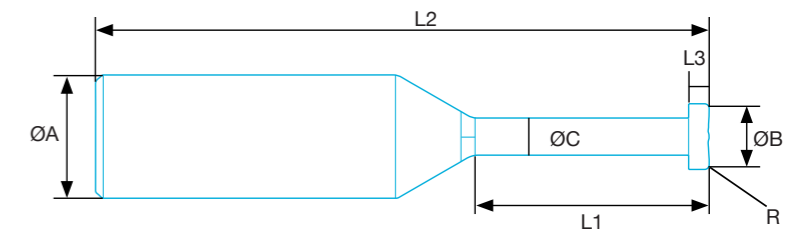
Blocks

Ti	□ 15mm	L 20mm	63.020
Ti	□ 15mm	L 40mm	63.040
CoCr	□ 15mm	L 20mm	73.020
CoCr	□ 15mm	L 40mm	73.040

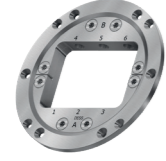


ANGLE MILLING TOOL

	ØA	ØB	ØC	L1	L2	L3	R
MT3D16L5	3	1,6	0,95	5	51	0,5	0,1
MT4D16L5	4	1,6	0,95	5	51	0,5	0,1
MT6D16L5	6	1,6	0,95	5	51	0,5	0,1



HOLDERS



HLDSTD	Standart 98mm Disc Maschinen	Any milling machine with 98mm disc holder
HLDIMES	For Imes-Icore® machines	Coritec 245i touch Coritec 250i touch Coritec 350i / Coritec 250i Loader Coritec 450i Coritec 550i Coritec 650i / Coritec 650i Loader
HLDVHF	For VHF®	VHF® S1 VHF® S2 VHF® K5 VHF® S5
HLDVHFR5	For VHF®	VHF® R5
HLDYENA	For Yenadent®	D6 D15 D43N
HLDVHFN4	For VHF®	VHF® N4
HLDVHFZ4	For VHF®	VHF® Z4
HLD3R	For machines with support/changer 3R	D14P DC40 D43N

Quick Reference Guide

Tool Selector		
Brand	Model	Tool Diameter
3M-ESPE	LAVA CVC 240	3mm
AMANN GIRRBACH	CERAMILL MOTION 2 5X, MIKRO 5X, MIKRO 4X, MIKRO IC	3mm
CHARLY DENTAL	CD04-S, CD05-S	3mm
	CD50	3mm / 4mm / 6mm
DATRON	D5	3mm / 4mm / 6mm
	D1	4mm
DENTAL CONCEPT SYSTEMS	DC5, DC1	6mm
DENTASWISS	DS2000, DS2100	3mm
DMG MORI	ULTRASONIC 10, ULTRASONIC 20	3mm / 4mm / 6mm
DT DIGITAL	FINOCAM A5, FINOCAM CA, FINOCAM CA+	3mm
ERNST HINRICHS	HINRIMILL 5, HINRIMILL 5.8, HINRIMILL T5	3mm
EUROMAX MONACO	OPERA EASY 5, OPERA EXPERT 5, OPERA PRO-EXPERT 5	3mm
	OPERA PREMIUM	6mm
GOLDQUADRAT	QUATTRO MILL MAXI, QUATTRO MILL COMFORT 5X	3mm
IMES-ICORE	CORITEC ONE, CORITEC 140I, CORITEC 245I, CORITEC 250I	3mm
	CORITEC 350I, CORITEC 450I, CORITEC 650I, CORITEC 750I	6mm
JENSEN	PRECISO M305-X, PRECISO M205 MILL	3mm
MANI SCHÜTZ DENTAL	TIZIAN CUT 5 DRY, TIZIAN CUT ECO PLUS, TIZIAN CUT 5	3mm
	TIZIAN CUT5.2, TIZIAN CUT5.2 PLUS	6mm
MB MASCHINEN	COBRA MILL DESK 5, COBRA MILL 5M, COBRA MILL 48	3mm
	COBRA MILL 5A1	6mm
	COBRA MILL 58	3mm / 4mm / 6mm
R+K ORGANICAL CAD/CAM	ORGANICAL DESKTOP 7C, ORGANICAL DESKTOP 6	3mm
RÖDERS	RXD4, RXD5, RXD5C	3mm / 4mm / 6mm
ROLAND	DWX50, DWX51D	4mm
SHERA	ECO-MILL DRY	3mm
STRAUMANN	CARES M-SERIES	3mm
VHF	S1, S2, K5	3mm
YENADENT	D14, D15, D6, D43, DC40	4mm, 6mm
ZIRKONZAHN	M1 WET HEAVY METAL, M1 ABUTMENT, M4 WET HEAVY METAL, M5 HEAVY METAL, M6 WET HEAVY METAL	6mm



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