



# DESS

> DENTAL SMART SOLUTIONS

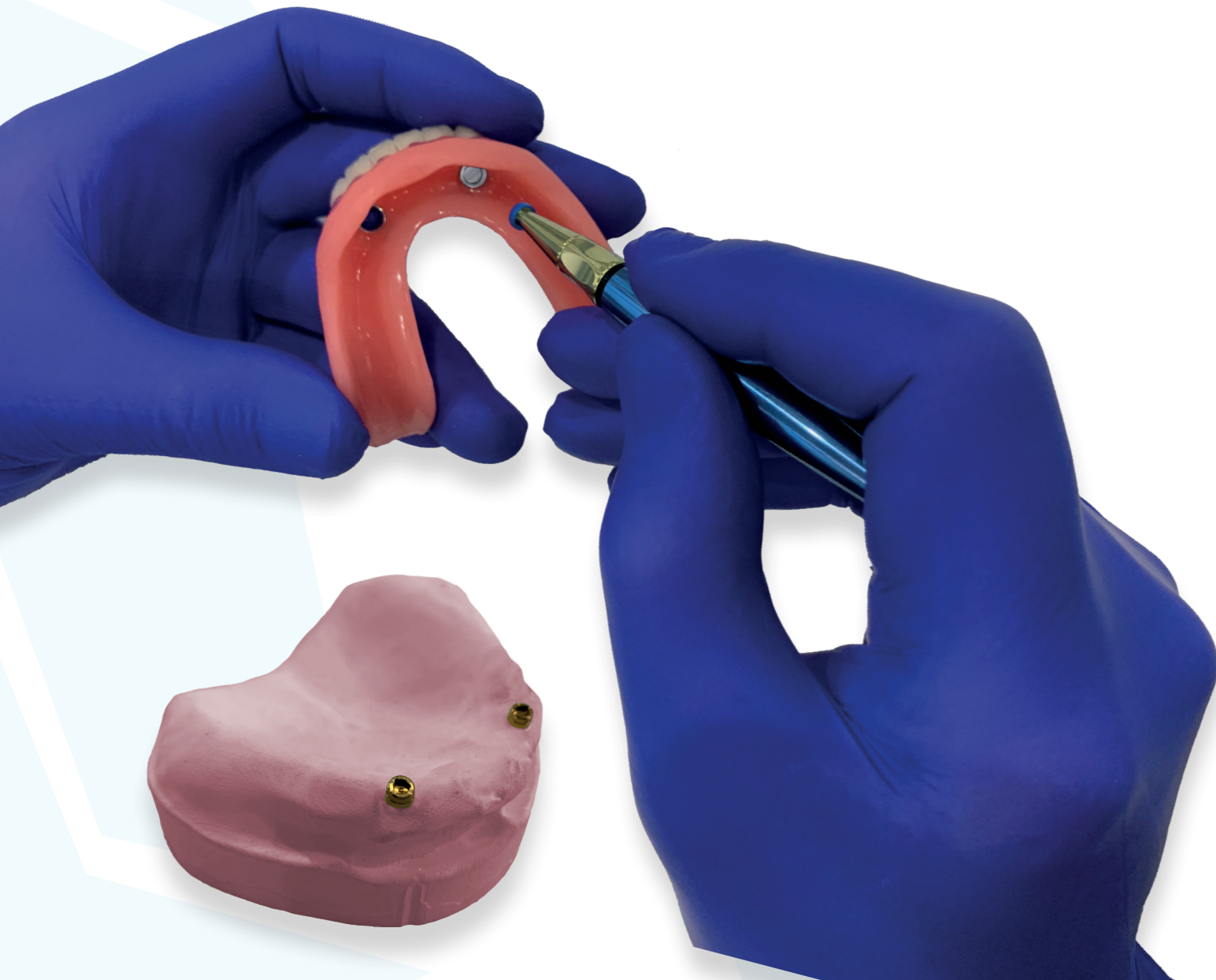


**Catalogue**  
**DESSLoc<sup>®</sup> 2023**

# DESSLoc®

When a clinical case has been prescribed with a removable prosthesis, there is no better alternative than DESSLoc®. A Zirconium Nitride coating has numerous advantages. The treatment increases strength, reduce plaque adhesion and inflammation without compromising mechanical performance.

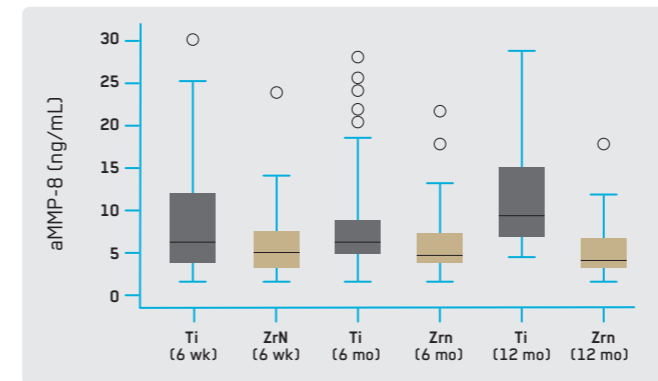
Focusing on patient experience DESSLoc® has been designed with a flexible point of engagement offering ease of insertion and removal. This reduces the possibility of wear caused by improper seating, which in turn makes the denture more comfortable for the patient.



## Surface Technology

The zirconium nitride surface treatment not only improves the overall mechanical resistance but also reduces gingival inflammation and plaque adhesion, making DESSLoc® the high performing choice in removal prosthesis.

- Reduces plaque adhesion
- Decreases gingival inflammation

















aMMP-8\* values of fluid from peri-implant sulcus in titanium (Ti) and Zirconium Nitride (ZrN) coated attachments at different times after prosthetic restoration.

(Matrix Metalloproteinase-8 Levels in Peri-implant Sulcus Fluid Adjacent to Titanium and Zirconium Nitride Surface, Richard Meissen, MSc1 Mariana Mintcheva, MSc1 Lutz etuschil, PhD Dr2, Int J Periodontics Restorative Dent 2014; 34:91-95. doi: 10.11607/prd.1504)

\* Presence of MMP-8 indicates an ongoing inflammation

## Available compatibilities:

	<b>NOBELACTIVE® &amp; NOBELREPLACE® CC</b> ACTIVE HEX		<b>STRAUMANN® SOFT TISSUE LEVEL &amp; synOcta®</b> OCTAGON		<b>DENTSPLY FRIADENT® XIVE®</b> INTERNAL HEX FD
	<b>NOBEL REPLACE SELECT™</b> TRI-LOBE		<b>STRAUMANN® BONE LEVEL</b> CONICAL BL		<b>DENTSPLY ANKYLOS® C/X</b> INTERNAL ANK
	<b>NOBEL BRANEMARK®</b> EXTERNAL HEX UNIVERSAL		<b>ZIMMER SCREW-VENT®</b> INTERNAL HEX USA		<b>CAMLOG®</b> INTERNAL CAM
	<b>3i OSSEOTITE®</b> EXTERNAL HEX USA		<b>ASTRA TECH IMPLANT SYSTEM EV™</b> Conic EVO		<b>BIOHORIZONS®</b> INTERNAL HEX BH
	<b>3i CERTAIN®</b> INTERNAL HEX "CLILCK"		<b>ASTRA TECH OSSEOSPEED™</b> INTERNAL HEX CONIC		

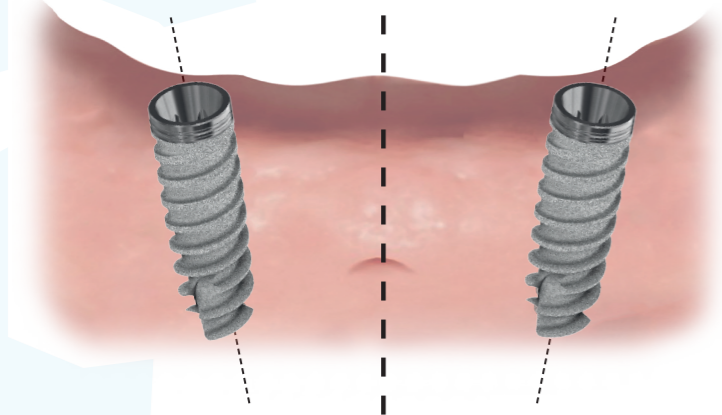
# UP TO 40° ANGLE

## Pivoting Technology:

DESSLoc® provides excellent retention, facilitating proper insertion of the prosthesis, especially in compromised situations, providing greater resistance and tolerance to masticatory forces.

Even with up to 40° of divergence between implants and the additional rotational move between the denture cap and the male insert, positioning and alignment is easier than ever.

DESSLoc® pivoting technology allows the patient to place the denture without the need for perfectly aligned implants giving the patient additional flexibility when seating the denture.



40° Divergence







## Choose the retention level:

There are two processing kits available, these include different inserts allowing you to choose the best option for each patient.



## Replacement & Maintenance:

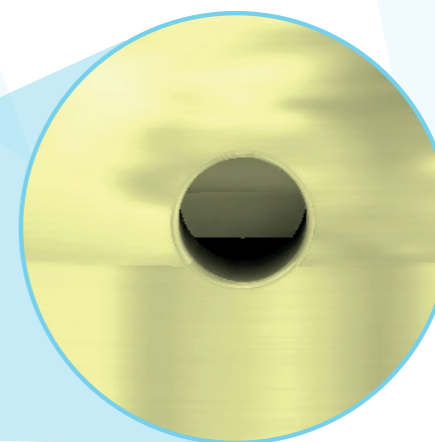
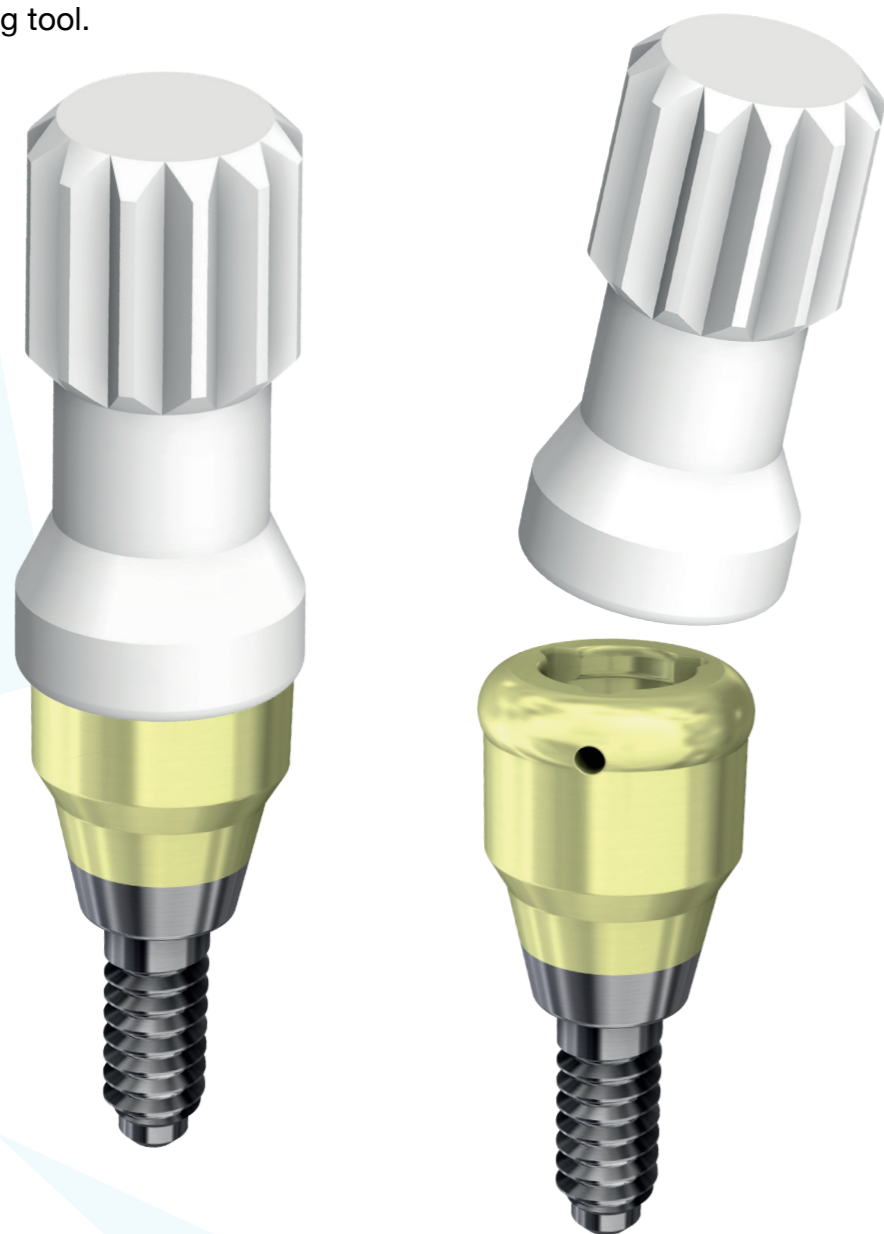
The DESSLoc® retention elements range has been developed to provide the correct amount of strength and control for each individual patient. Each kit contains 4 units of the same insert.

up to 20°	 1.5lbs / 680g	up to 40°	 1.0 lbs / 450g
	 3.0 lbs / 1360g		 2.0 lbs / 910g
	 5.0lbs / 2270g		 4.0 lbs / 1810g

100% compatible with the most popular overdenture system

# Transporter

All DESSLoc® abutments include a transporter to ease the insertion, adjust and place the final abutment before torquing into position with the corresponding tool.



## Ease of removal

A small hole located at the top of the DESSLoc® will limit the vacuum effect when removing the prosthesis. This will improve patient sensation on removal, without losing retention nor masticating power.

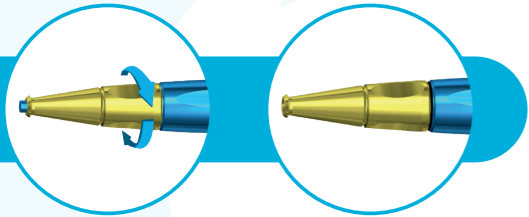
## DESSLoc® Tool

Designed to hold the abutment safely, the DESSLoc® tool will give more control and better torque transmission.

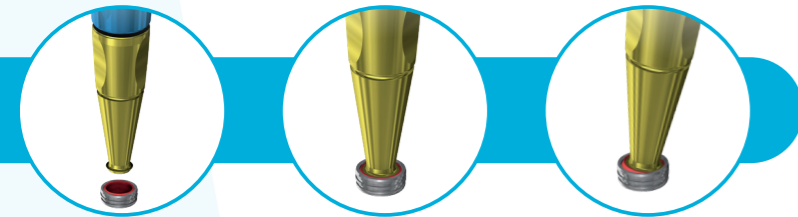


# DESSLoc® retention elements removal and insertion tool

## EXTRACTION



1. Place the tool in the following position, making two complete turns on the gold side.



2. Use the tool to remove the old retainer. Press with it until you hear a “click”, finish with a slight lever movement.

3. Screw in the tool to eject the retainer.

## RETENTION INSERTION



1. Completely remove the gold part of the tool.

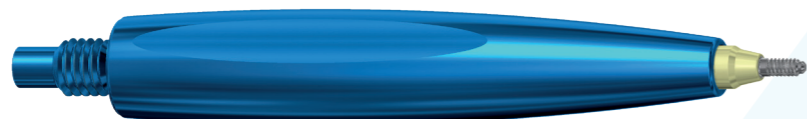
2. Place the new retainer on the end.

3. Press on the cup until you hear a “click”.

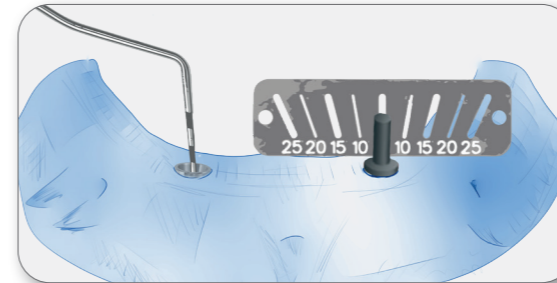
## DESSLoc® INSERTION



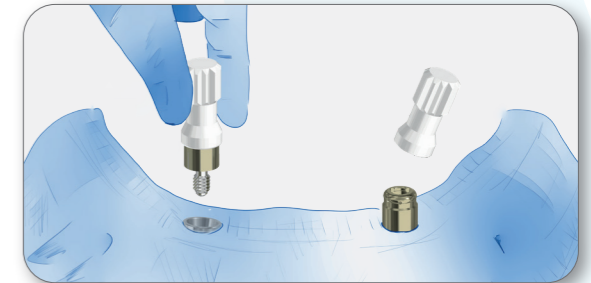
1. Use the back of the PHLOC tool to facilitate placement on the models. Fit the tool with the upper part of the DESSLoc®



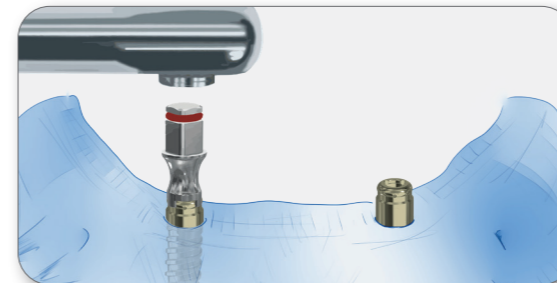
# Instructions for use:



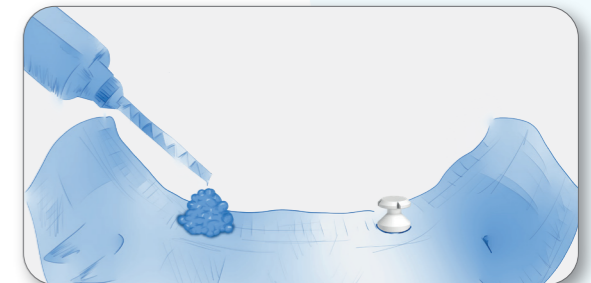
1. Remove screw cap / healing abutment and measure implant position to select the correct abutment height.



2. Place the DESSLoc® abutments and finger tighten them into position. Then checks the final overdenture fit.



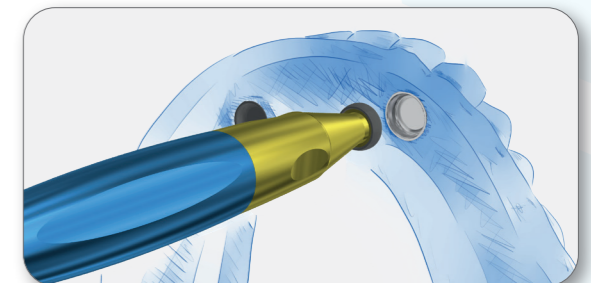
3. Using the DESSLoc® tool and the correct torque wrench, adjust to the recommended torque.



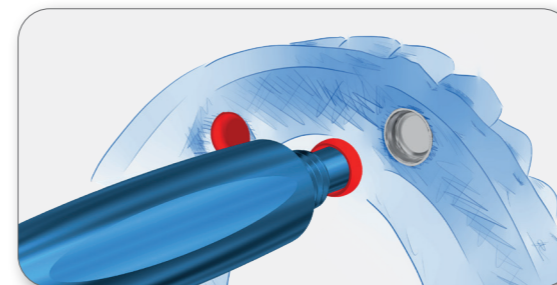
4. Press the DESSLoc® Transfer until it snaps into place. Apply impression material around the copings. Fill the impression tray and place in the mouth.



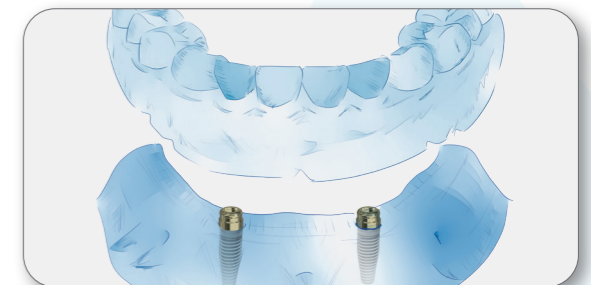
5. Press the metal caps into the transfers in the impression and pour the material to create the cast. Place the spacer rings over the analogues.



6. Using the DESSLoc® Removal and insertion tool; remove the black processing male from each denture cap.




7. In Clinic: Using the DESSLoc® Removal and insertion tool; place the selected DESSLoc® male attachment.






**SCAN  
ABUTMENTS**

	10 Pack.	53.153-P10
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**TRANSFER**

		17.054
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**DIGITAL  
ANALOGUE**

	Retention screw Hex 1,27 mm*	14.054/D
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**ANALOGUE**

	10 Pack.	14.054 14.054-P10
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**BAR ATTACHMENT**

		88.100
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**RETENTION KITS**

	0° - 20°	x1		DLRK-P1
	0° - 20°	x2		DLRK-P2
	0° - 40°	x1		DLER-P1
	0° - 40°	x2		DLER-P2

**MALES**

	0° - 20°	x4	1.5 lbs / 680g	DLN2-P4
	0° - 20°	x4	3.0 lbs / 1360g	DLN3-P4
	0° - 20°	x4	5.0 lbs / 2270g	DLN4-P4
	0° - 40°	x4	1.5 lbs / 450g	DLN1-P4
	0° - 40°	x4	2.0 lbs / 910g	DLN6-P4
	0° - 40°	x4	4.0 lbs / 1810g	DLN7-P4

**SPECIAL TOOLS**

	Direct to torque wrench Nobel Biocare™	DTACTLOC
	Direct to torque wrench Straumann®	DTSTRLOC
	DESSLoc® tool for square torque wrench	DTLOC
	Adaptor from Straumann® torque wrench to square connection	DTSTSQ
	Nobel Biocare™ Adaptor from 8mm to square connection	DTNBSQ



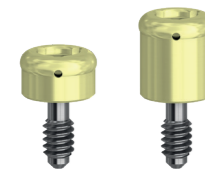
**NobelActive® NobelReplace® CC**  
Active Hex

	3.0	NP	RP	WP
	3.0	3.5	4.3/5.0	5.5
GH 1,0mm		88.039/1	88.040/1	
GH 2,0mm		88.039/2	88.040/2	
GH 3,0mm		88.039/3	88.040/3	
GH 4,0mm		88.039/4	88.040/4	



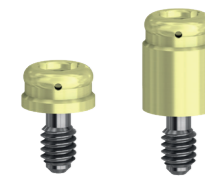
**NobelReplace Select™**  
Tri-Lobe

	NP	RP	WP	6.0
	NP/3.5	RP/4.3	WP/5.0	6.0
GH 1,0mm	88.004/1	88.005/1		
GH 2,0mm	88.004/2	88.005/2		
GH 3,0mm	88.004/3	88.005/3		
GH 4,0mm	88.004/4	88.005/4		



**Nobel Brånemark®**  
External Hex Universal

	NP	RP	WP
	NP/3.5	RP/4.1	WP/5.1
GH 1,0mm	88.001/1	88.002/1	
GH 2,0mm	88.001/2	88.002/2	
GH 3,0mm	88.001/3	88.002/3	
GH 4,0mm		88.002/4	
GH 5,0mm		88.002/5	



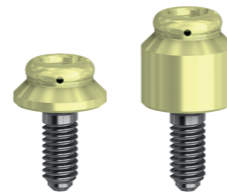
**3i Osseotite®**  
External Hex USA

	NP	RP	WP
	3.4	4.1	5.0
GH 1,0mm	88.011/1	88.002/1	88.013/1
GH 2,0mm	88.011/2	88.002/2	88.013/2
GH 3,0mm	88.011/3	88.002/3	88.013/3
GH 4,0mm	88.011/4	88.002/4	88.013/4
GH 5,0mm	88.011/5	88.002/5	88.013/5
GH 6,0mm	88.011/6	88.002/6	88.013/6



**3i Certain®**  
Internal Hex "CLICK"

	NP	RP	WP
	3.4	4.1	5.0
GH 1,0mm	88.014/1	88.015/1	88.016/1
GH 2,0mm	88.014/2	88.015/2	88.016/2
GH 3,0mm	88.014/3	88.015/3	88.016/3
GH 4,0mm	88.014/4	88.015/4	88.016/4
GH 5,0mm	88.014/5	88.015/5	88.016/5
GH 6,0mm	88.014/6	88.015/6	88.016/6



**Straumann® Soft Tissue Level & synOcta®**  
Octagon

	NNC	RN	WN
	3.5	4.1/4.8	4.8/6.5
GH 1,0mm		88.009/1	
GH 2,0mm		88.009/2	
GH 3,0mm		88.009/3	
GH 4,0mm		88.009/4	



**Straumann® Bone Level**  
Conical BL

	NP	RP	NP/RP
	NC/3.3	RC/4.1-4.8	NC/RC
GH 1,0mm		88.042/1	
GH 2,0mm	88.041/2	88.042/2	
GH 3,0mm	88.041/3	88.042/3	
GH 4,0mm	88.041/4	88.042/4	



**Zimmer Screw-vent®**  
Internal Hex USA

	NP	RP	WP
	3.5	4.5	5.7
GH 1,0mm	88.017/1	88.018/1	88.019/1
GH 2,5mm	88.017/2	88.018/2	88.019/2
GH 3,5mm	88.017/3	88.018/3	88.019/3
GH 4,5mm	88.017/4	88.018/4	88.019/4
GH 5,5mm	88.017/5	88.018/5	



**Astra Tech Implant System™ EV**  
Conic EVO

	<b>EV/3.6</b>	<b>EV/4.2</b>	<b>EV/4.8</b>
	<b>3.6</b>	<b>4.2</b>	<b>4.8</b>
GH 1,0mm	88.059/1	88.060/1	88.061/1
GH 2,0mm	88.059/2	88.060/2	88.061/2
GH 3,0mm	88.059/3	88.060/3	88.061/3
GH 4,0mm	88.059/4	88.060/4	88.061/4



**Ankylos® C/X**  
Internal ANK

GH 2,0mm	88.046/2
GH 3,0mm	88.046/3
GH 4,0mm	88.046/4



**Astra Tech Osseospeed™**  
Internal Hex Conic

	<b>NP</b>	<b>RP</b>	<b>WP</b>
	<b>3.0</b>	<b>3.5-4.0</b>	<b>4.5-5.0</b>
GH 1,0mm	88.023/1	88.024/1	88.025/1
GH 2,0mm	88.023/2	88.024/2	88.025/2
GH 3,0mm	88.023/3	88.024/3	88.025/3
GH 4,0mm	88.023/4	88.024/4	88.025/4
GH 5,0mm			



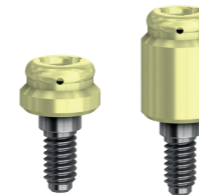
**Camlog®**  
Internal CAM

	<b>3.3</b>	<b>3.8</b>	<b>4.3</b>	<b>5.0</b>
	<b>3.3</b>	<b>3.8</b>	<b>4.3</b>	<b>5.0</b>
GH 1,0mm	88.065/1	88.066/1		
GH 2,0mm	88.065/2	88.066/2		
GH 3,0mm	88.065/3	88.066/3		
GH 4,0mm	88.065/4	88.066/4		



**Dentsply friadent® XIVE®**  
Internal Hex FD

	<b>NP</b>	<b>RP</b>	<b>WP</b>	<b>5.5</b>
	<b>3.4</b>	<b>3.8</b>	<b>4.5</b>	<b>5.5</b>
GH 1,0mm	88.036/1	88.037/1		
GH 2,0mm	88.036/2	88.037/2		
GH 3,0mm	88.036/3	88.037/3		
GH 4,0mm	88.036/4	88.037/4		



**BioHorizons® Internal**  
Internal Hex BH

	<b>3.0</b>	<b>NP</b>	<b>RP</b>	<b>WP</b>
	<b>3.0</b>	<b>3.5</b>	<b>4.5</b>	<b>5.7</b>
GH 1,0mm		88.087/1	88.088/1	
GH 2,5mm		88.087/2	88.088/2	
GH 3,5mm		88.087/3	88.088/3	
GH 4,5mm		88.087/4	88.088/4	
GH 5,5mm		88.087/5		





**MIS® Seven**  
Internal Hex MI

	NP	SP	WP	Multi-unit
	3.3	3.75-4.2	5.0-6.0	4.8
GH 1,0mm		88.017/1	88.018/1	
GH 2,5mm		88.017/2	88.018/2	
GH 3,5mm		88.017/3	88.018/3	
GH 4,5mm		88.017/4	88.018/4	
GH 5,5mm		88.017/5		



**Multi-Unit Connection**  
Multi-Unit® Abutments

RP	WP
4.8	6.5
MULTI-UNIT	
88.007	



**Bar Attachment**

88.100

All DESS products are manufactured according to ISO 9001 and ISO 13485 with CE marking for all products Class IIb

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 **DESS**  
DENTAL SMART SOLUTIONS

