

PROTEM

IMPLANT SYSTEM



SEVEN

S

SLIM
STRONG
SIMPLE
SMOOTH
SPEEDY
SAFE
STABLE

DIO
2008 Version. 1

ProTem Implant System

The ProTem implants are multi-functional implant system available in cases of the enhancement of the denture retention, the application to the narrow gap where the full-sized implants can not be placed in such as maxillary or mandibular centrals, and the retention of provisional prosthesis after the conventional implant surgery.

ProTem Implant

The thread profile and pitch are designed to provide maximum strength at the point where the highest insertion forces are generated. Taper-Straight-Taper thread profile facilitates ease of self-tapping and initial stability. Its profile also increases a function of immediate loading. Flapless surgery that simplifies the surgical process is available with ProTem implants. The surface is treated with the RBM (Resorbable Blast Media).

ProTem implants are available in two types (Post/Ball), three diameters (Ø2.0/Ø2.5/Ø3.0), and four lengths (10/ 12/ 14/ 16mm) that are applicable to various cases.

The thread pitch is 0.6mm for Ø2.0 ProTem implant and 1.0mm for Ø2.5mm. Ø2.5 ProTem implant is designed to enhance initial stability in soft bone.

Post type ProTem implants do not require the abutments. Its post can be customized by trimming that simplifies prosthetic procedures and reduces cost. The hex connection can be attached to the contra angle driver and prevents the rotation of the prosthetics.

POST type

MFP 30212A

Post

Gingiva Collar 2mm/4mm

Thread

Guide Point

Attaching Part to Driver
Prevention of Prosthesis Rotation

Ensuring Initial Stability
Taper

Profiled for Self Tapping
Straight

Guiding the Insertion Point
Taper

• MFP 30412A

• MFP 20212

• MFP 25212

• MFP 20412

• MFP 25412

IMPLANT

BALL type

MFB 30212A

Ball

Square

Gingiva Collar 2mm/4mm

Thread

Guide Point

For Ball Cap to be seated
Ball

Attaching Part to Driver
Square

Ensuring Initial Stability
Taper

Profiled for Self Tapping
Straight

Guiding the Insertion Point
Taper

• MFB 30412A

• MFB 20212

• MFB 25212

• MFB 20412

• MFB 25412

IMPLANT

Post / Ball Type Common Use

Straight Drill



Diameter	Length	
	12 mm	18 mm
1.2 mm	MSD 1212	MSD 1218
1.5 mm	MSD 1512	MSD 1518
2.0 mm	MSD 2012	MSD 2018
2.5 mm	MSD 2512	MSD 2518

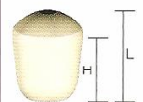
Tissue Punch



Diameter	Length
	10 mm
2.5 mm	MTP 2510
3.0 mm	MTP 3010
3.5 mm	MTP 3510

Diameter	Collar	Pitch	Length			
			10 mm	12 mm	14 mm	16 mm
2.0 mm	2.0 mm	0.6	MFP 20210	MFP 20212	MFP 20214	_____
2.0 mm	4.0 mm	0.6	MFP 20410	MFP 20412	MFP 20414	_____
2.5 mm	2.0 mm	1	MFP 25210	MFP 25212	MFP 25214	_____
2.5 mm	4.0 mm	1	MFP 25410	MFP 25412	MFP 25414	_____
3.0 mm	2.0 mm	1	MFP 30210A	MFP 30212A	MFP 30214A	MFP 30216A
3.0 mm	4.0 mm	1	MFP 30410A	MFP 30412A	MFP 30414A	MFP 30416A

Diameter	Collar	Pitch	Length			
			10 mm	12 mm	14 mm	16 mm
2.0 mm	2.0 mm	0.6	MFB 20210	MFB 20212	MFB 20214	_____
2.0 mm	4.0 mm	0.6	MFB 20410	MFB 20412	MFB 20414	_____
2.5 mm	2.0 mm	1	MFB 25210	MFB 25212	MFB 25214	_____
2.5 mm	4.0 mm	1	MFB 25410	MFB 25412	MFB 25414	_____
3.0 mm	2.0 mm	1	MFB 30210A	MFB 30212A	MFB 30214A	MFB 30216A
3.0 mm	4.0 mm	1	MFB 30410A	MFB 30412A	MFB 30414A	MFB 30416A



HEALING CAP

MHC 5006
Height
4.2mm
Length
6mm

MHC 5008
Height
6.2mm
Length
8mm

PROTEM

IMPLANT SYSTEM

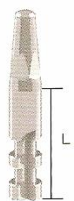
YOUR EXCELLENT CHOICE
SIMPLE & STABLE
MULTI-FUNCTIONAL IMPLANT



ANALOG



MAP 3010
Diameter
2.5 mm
Length
10mm

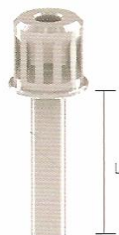


MAP 3017
Diameter
3.0 mm
Length
10mm

RATCHET DRIVER CONTRA ANGLE DRIVER



Diameter	Length		
	10 mm	15 mm	20 mm
3.5 mm	MGC 3510	MGC 3515	MGC 3520

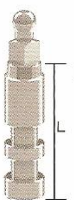


Diameter	Length		
	10 mm	15 mm	20 mm
3.5 mm	MGR 3510	MGR 3515	MGR 3520

ANALOG



MAB 2510
Diameter
2.5 mm
Length
10 mm



MAB 3014
Diameter
3.0 mm
Length
10 mm

BALL CAP



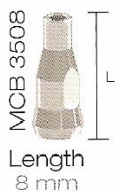
MBC 3803
Diameter
3.8 mm
Length
3.4 mm

O-ring

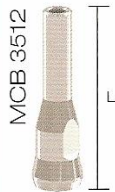


OR 3401
Diameter
3.4 mm
Length
1.0 mm

CEMENTED ABUTMENT



MCB 3508
Length
8 mm
Diameter
3.5 mm



MCB 3512
Length
12 mm

CUSTOM ABUTMENT



MCA 4011
Diameter
4 mm
Length
11 mm
Square
1.67 mm

IMPRESSION COPING



MIC 3511
Diameter
3.5 mm
Length
11 mm
Square
1.67 mm

RATCHET DRIVER CONTRA ANGLE DRIVER

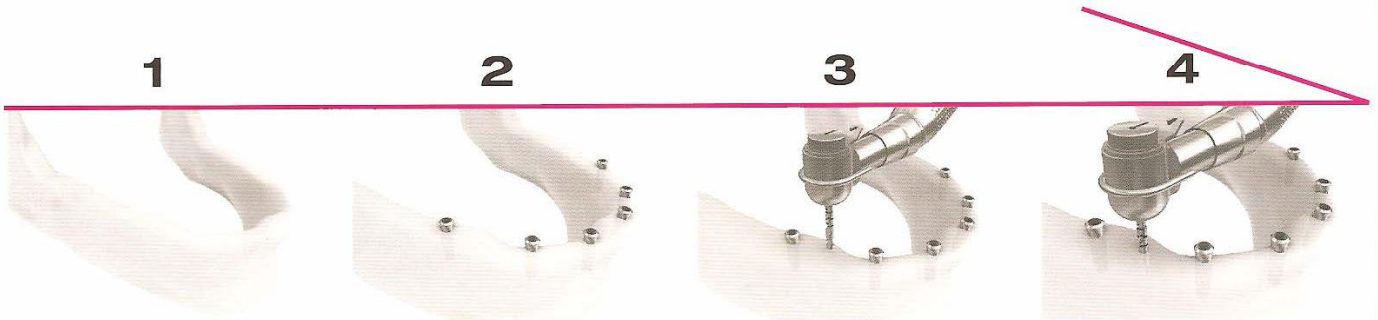


Diameter
3.4 mm
Length
10 mm
MGC 3410
15 mm
MGC 3415
20 mm
MGC 3420

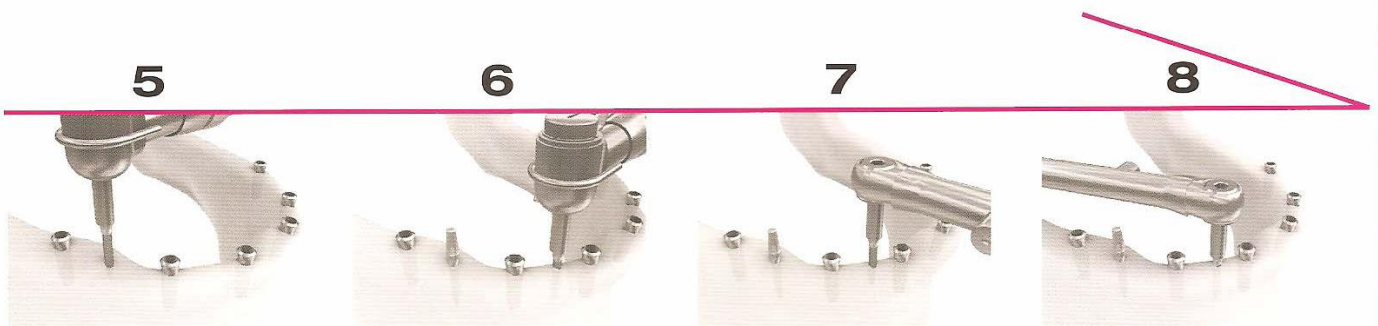


Diameter
3.4 mm
Length
10 mm
MGR 3410
15 mm
MGR 3415
20 mm
MGR 3420

Surgical Protocol

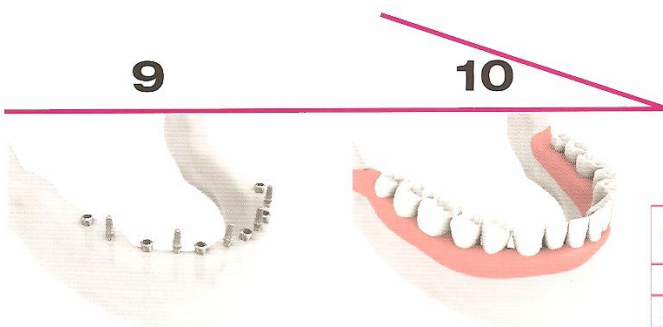


Select an insertion point. Drill the cortical bone using a 1.2mm straight drill by repeating a smooth pumping motion. Drilling depth is to be one third of the implant length that will be inserted. (800~1,200rpm)



Attach the implant head to the contra angle driver that is connected with the handpiece. Set the torque to 35Ncm. The guide point of the ProTem implants initiates the self tapping as the implant is inserted by a low speed high torque handpiece (10~20rpm). The initial stability will be enhanced as the implant is inserted and bone expands.

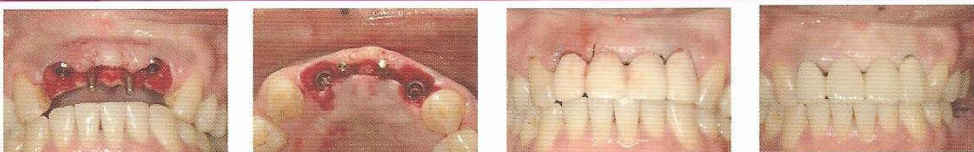
As the final process of the implant insertion, attach the ratchet wrench to the torque wrench, and then connect them with the ratchet driver that holds the implant head. Finish the surgical process by slowly turning the ratchet driver in clockwise.



A slow turning-in protects the implants from fractures and provides the wider contact area between bone and thread to ensure the initial stability by providing a time for bone to be expanded.

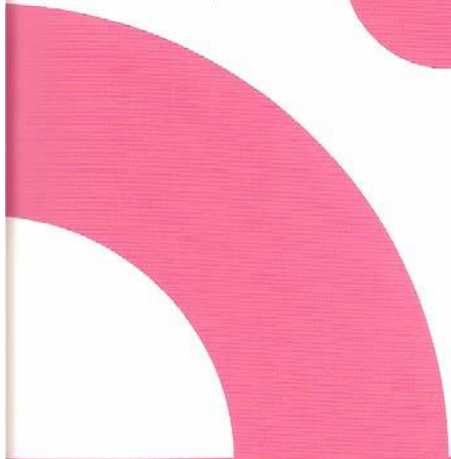
No.	Diameter	Pitch	Dense Bone		Medium Bone		Poor Bone	
			Drill(Ø)	Depth(mm)	Drill(Ø)	Depth(mm)	Drill(Ø)	Depth(mm)
1	Ø2.0	0.6	1.2	1/2~3/4	1.2	Cortical~1/2	—	—
2	Ø2.5	1	2.0	1/2~3/4	1.5	1/2	1.5	Cortical
3	Ø3.0	1	2.5	3/4~Full	2.0~2.5	1/2~Full	2.0~2.5	1/3~1/2

The clinical case that the ProTem implant is applied to maxillary central.



The clinical case that the ProTem implant is applied to mandibular molar.





Imaginative ideas
into leading products

DIO IMPLANT

 **Grupo PolYanguas**

