



# **Maxillofacial Implant**

## **Product Catalog**

**Dentium**  
For Dentists By Dentists

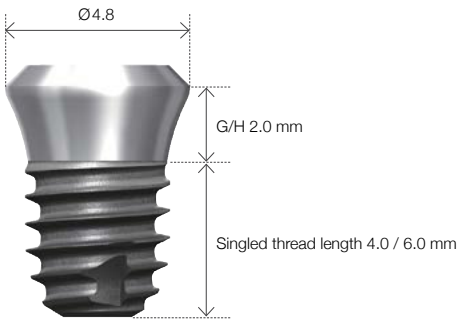
# Maxillofacial Implant

---

|                                |    |
|--------------------------------|----|
| Characteristics                | 04 |
| S.L.A. Surface                 | 05 |
| Fixture                        | 06 |
| Cover Screw & Healing Abutment | 07 |
| Mini Ball Attachment           | 08 |
| Positioner                     | 09 |
| Magnetic Attachment            | 11 |
| Impression Component           | 12 |
| Surgical Kit                   | 13 |
| Drill                          | 15 |
| Instrument                     | 16 |
| Prosthetic Instrument          | 18 |
| Laboratory Instrument          | 19 |

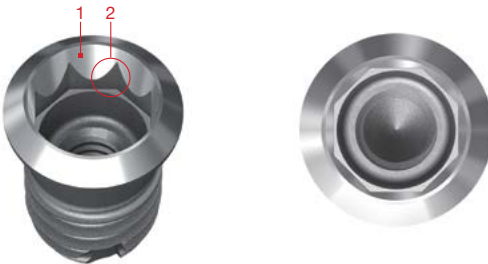
# Maxillofacial Implant Characteristics

- Short length (4mm/6mm) fixtures for maxillofacial applications
- S.L.A. surface
- Easy to install/uninstall by the Dentium overdenture system
- Stoppers are included in the surgical kit for convenient usage
- Compatible with the abutments for SimpleLine II



## Internal 8° Morse Taper and Octagon

- 1 Screw loosening is well prevented owing to the cold welding mechanism for magnetic keeper application.
- 2 Good depth of octagon design enables easy verification of adaptation for adaptor application.



# S.L.A. Surface

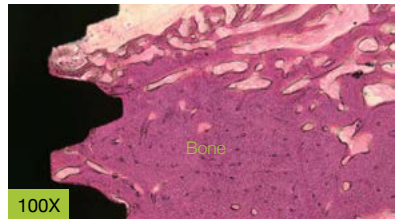
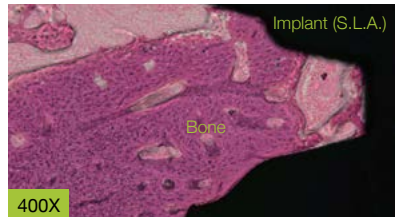
S.L.A. (Sandblasting with large grit and acid etching)

- Higher bone-to-implant contact.
- Faster bone formation on the surface.

*In vivo test*

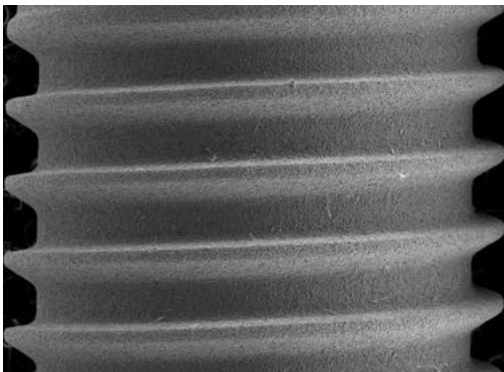


Fast new bone formation inside the thread.

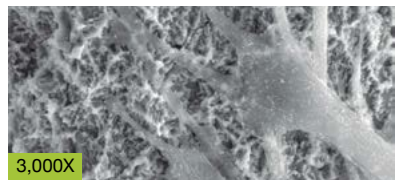


## Human Osteoblast

- Well attached and proliferated human osteoblasts



Cell number 3x10<sup>4</sup>, After 7 days of cell culture



# Maxillofacial Implant Fixture

[ Unit: mm, Scale 1 : 1.5 / mm ]

## Platform Ø4.8 Body Ø3.4

| L   | G/H | Art. No.           |
|-----|-----|--------------------|
| 4.0 | 2.0 | MFFX4834 <b>04</b> |
| 6.0 | 2.0 | MFFX4834 <b>06</b> |



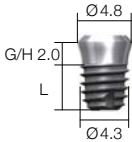
## Platform Ø4.8 Body Ø3.8

| L   | G/H | Art. No.           |
|-----|-----|--------------------|
| 4.0 | 2.0 | MFFX4838 <b>04</b> |
| 6.0 | 2.0 | MFFX4838 <b>06</b> |



## Platform Ø4.8 Body Ø4.3

| L   | G/H | Art. No.           |
|-----|-----|--------------------|
| 4.0 | 2.0 | MFFX4843 <b>04</b> |
| 6.0 | 2.0 | MFFX4843 <b>06</b> |



## Platform Ø4.8 Body Ø4.8

| L   | G/H | Art. No.           |
|-----|-----|--------------------|
| 4.0 | 2.0 | MFFX4848 <b>04</b> |
| 6.0 | 2.0 | MFFX4848 <b>06</b> |



\* This product cannot be implant on tooth location.

# Maxillofacial Implant Cover Screw & Healing Abutment

[ Unit: mm, Scale 1 : 1.5 / mm ]



MFCS4835 and MFFX483804



MFHAB4820 and MFFX483804

## Cover Screw

| Diameter | Art. No.         |
|----------|------------------|
| Ø3.5     | MFCS <b>4835</b> |



## Healing Abutment

| Diameter | G/H | Art. No.          |
|----------|-----|-------------------|
| Ø5.2     | 2.0 | MFHAB <b>4820</b> |
|          | 4.0 | MFHAB <b>4840</b> |
|          | 6.0 | MFHAB <b>4860</b> |
| Ø6.5     | 2.0 | MFHAB <b>6520</b> |
|          | 4.0 | MFHAB <b>6540</b> |
|          | 6.0 | MFHAB <b>6560</b> |

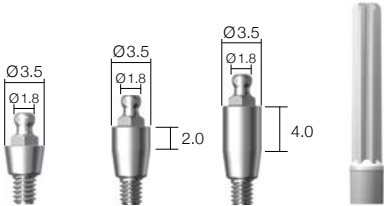


# Maxillofacial Implant Mini Ball Attachment

[ Unit: mm, Scale 1 : 1.5 / mm ]

## Mini Ball Abutment

| G/H | Art. No.          |
|-----|-------------------|
| 0   | SOBAB <b>4800</b> |
| 2.0 | SOBAB <b>4820</b> |
| 4.0 | SOBAB <b>4840</b> |



## Mini Ball Impression Coping

| Art. No. | ICA |
|----------|-----|
|----------|-----|



## Mini Ball Analog

| Art. No. | BANL |
|----------|------|
|----------|------|



## Socket Spacer

| Art. No. | BIC3L |
|----------|-------|
|----------|-------|



## Female Socket

| Art. No. | BPF3 (300~500gf)<br>BPF2 (500~700gf) |
|----------|--------------------------------------|
|----------|--------------------------------------|

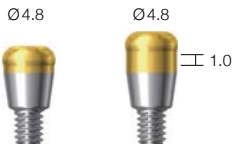


# Maxillofacial Implant Positioner

[ Unit: mm, Scale 1 : 1.5 / mm ]

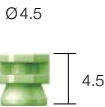
## Positioner Abutment

| G/H | Art. No.           |
|-----|--------------------|
| 0   | SOPAB <b>48 00</b> |
| 1.0 | SOPAB <b>48 10</b> |



## Positioner Impression Coping

| Art. No. | PIC |
|----------|-----|
|----------|-----|



## Positioner Analog

| Art. No. | PAN |
|----------|-----|
|----------|-----|



## Positioner Socket Set

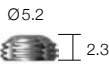
| Art. No. | FSMHS(Tilting Type $\pm 10^\circ$ )<br>FSMHSN(Non Tilting Type $\pm 5^\circ$ ) |
|----------|--------------------------------------------------------------------------------|
|----------|--------------------------------------------------------------------------------|



[ Unit: mm, Scale 1 : 1.5 / mm ]

Positioner Metal Socket

|          |      |
|----------|------|
| Art. No. | FSMH |
|----------|------|



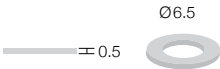
Positioner Plastic Socket

|                            |                |
|----------------------------|----------------|
| Application                | Art. No.       |
| Tilting Type<br>±10°       | MSHP (Blue)    |
|                            | MSMP (Orange)  |
|                            | MSLP (Ivory)   |
|                            | MSOP (White)   |
| Non Tilting<br>Type<br>±5° | MSHPN (Blue)   |
|                            | MSMPN (Orange) |
|                            | MSLPN (Ivory)  |
|                            | MSOP (White)   |



Positioner Block Out Spacer

|          |      |
|----------|------|
| Art. No. | PBOS |
|----------|------|



Positioner Core Tool

|          |      |
|----------|------|
| Art. No. | XPCT |
|----------|------|



# Maxillofacial Implant Magnetic Attachment

[ Unit: mm, Scale 1 : 1.5 / mm ]



**MFMG5030D and MFMKP4820D and MFFX483804**

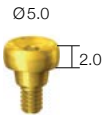
## Magnetic Assay

| Diameter | Art. No.           |
|----------|--------------------|
| Ø5.0     | MFMG50 <b>30</b> D |
| Ø6.0     | MFMG60 <b>30</b> D |



## Magnetic Keeper

| Diameter | G/H | Art. No.            |
|----------|-----|---------------------|
| Ø5.0     | 2.0 | FMFKP <b>4820</b> D |
|          | 4.0 | FMFKP <b>4840</b> D |
|          | 6.0 | FMFKP <b>4860</b> D |
| Ø6.5     | 2.0 | FMFKP <b>6520</b> D |
|          | 4.0 | FMFKP <b>6540</b> D |
|          | 6.0 | FMFKP <b>6560</b> D |



# Maxillofacial Implant Impression Component

[ Unit: mm, Scale 1 : 1.5 / mm ]

## Impression Coping Pick-up

| Diameter | Art. No.          |
|----------|-------------------|
| Ø5.2     | MFDPU <b>4852</b> |

Impression coping screw is included with Impression coping.



## Impression Coping Transfer

| Diameter | Art. No.          |
|----------|-------------------|
| Ø5.2     | MFDTF <b>4852</b> |

Impression coping screw is included with Impression coping.



## Impression Coping Screw

| Type     | Art. No. |
|----------|----------|
| Pick-up  | MFDPS11  |
| Transfer | MFDTS11  |

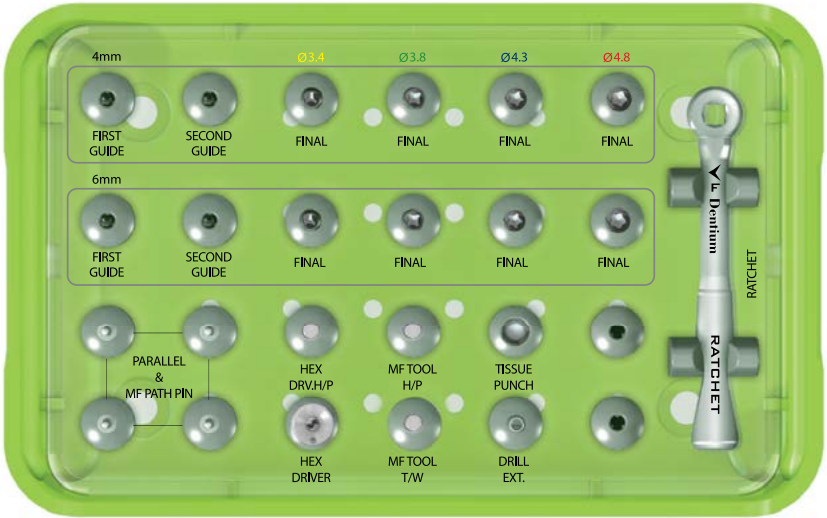


## Analog

| Diameter | Art. No.        |
|----------|-----------------|
| Ø4.8     | MFDAN <b>48</b> |



# Maxillofacial Implant Surgical Kit



SOXMFK

## Kit Contents

|                      | 4mm                                                                                 |                   | 6mm                                                                                 |                   |
|----------------------|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------|
| • First Guide Drill  |  | XMLD <b>22</b> 04 |  | XMLD <b>22</b> 06 |
| • Second Guide Drill |  | XMLD <b>26</b> 04 |  | XMLD <b>26</b> 06 |
| • Final Drill        |  | XMFD <b>34</b> 04 |  | XMFD <b>34</b> 06 |
|                      |  | XMFD <b>38</b> 04 |  | XMFD <b>38</b> 06 |
|                      |  | XMFD <b>43</b> 04 |  | XMFD <b>43</b> 06 |
|                      |  | XMFD <b>48</b> 04 |  | XMFD <b>48</b> 06 |

- Path Pin × 2



SOXMMFPAS

- Parallel Pin × 2



XMPP1622**48**

- Hex Driver



XMHD**26**T



XMHD**25**H

- Drill Extension



XMDE

- Hand-Piece Adapter



SOXMHD**27**H

- Ratchet Adapter



SOXMHD**27**W

- Tissue Punch



XM**TS40**

- Ratchet



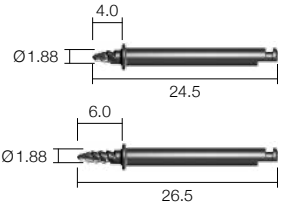
XM**RCA1**

# Maxillofacial Implant Drill

[ Unit: mm, Scale 1 : 1 / mm ]

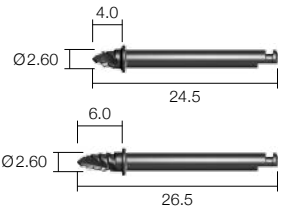
## First Guide Drill

| Diameter | L    | Art. No.          |
|----------|------|-------------------|
| Ø1.88    | 24.5 | XLMD <b>22</b> 04 |
| Ø1.88    | 26.5 | XLMD <b>22</b> 06 |



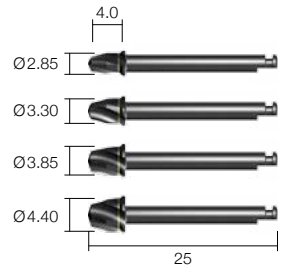
## Second Guide Drill

| Diameter | L    | Art. No.          |
|----------|------|-------------------|
| Ø2.60    | 24.5 | XLMD <b>26</b> 04 |
| Ø2.60    | 26.5 | XLMD <b>26</b> 06 |



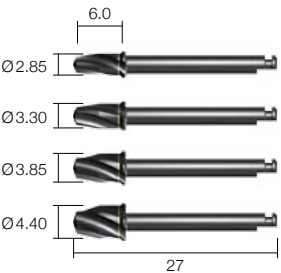
## Final Drill

| Diameter | G/H | Art. No.          |
|----------|-----|-------------------|
| Ø2.85    | 25  | XMFD <b>34</b> 04 |
| Ø3.30    | 25  | XMFD <b>38</b> 04 |
| Ø3.85    | 25  | XMFD <b>43</b> 04 |
| Ø4.40    | 25  | XMFD <b>48</b> 04 |



## Final Drill

| Diameter | G/H | Art. No.          |
|----------|-----|-------------------|
| Ø2.85    | 27  | XMFD <b>34</b> 06 |
| Ø3.30    | 27  | XMFD <b>38</b> 06 |
| Ø3.85    | 27  | XMFD <b>43</b> 06 |
| Ø4.40    | 27  | XMFD <b>48</b> 06 |

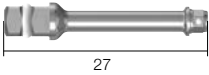
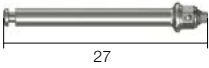


# Maxillofacial Implant Instrument

[ Unit: mm, Scale 1 : 1 / mm ]

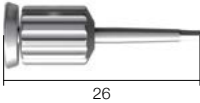
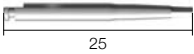
## Adapter

| Type       | L  | Art. No.           |
|------------|----|--------------------|
| Hand-piece | 27 | SOXMHD <b>27</b> H |
| Ratchet    | 27 | SOXMHD <b>27</b> W |



## Hex Driver

| Type       | L  | Art. No.         |
|------------|----|------------------|
| Hand-piece | 25 | XMHD <b>25</b> H |
| Manual     | 26 | XMHD <b>26</b> T |



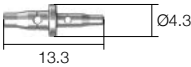
## Path Pin

| L    | Art. No.  |
|------|-----------|
| 18.3 | SOXMMFPAS |



## Parallel Pin

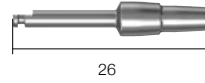
| Diameter | L    | Art. No.           |
|----------|------|--------------------|
| Ø4.3     | 13.3 | XMPP1622 <b>48</b> |



[ Unit: mm, Scale 1 : 1 / mm ]

### Drill Extension

|          |      |
|----------|------|
| Art. No. | XMDE |
|----------|------|



### Tissue Punch

|          |        |
|----------|--------|
| Art. No. | XMTS40 |
|----------|--------|



Punching size : Ø4.0

[ Unit: mm, Scale 1 : 0.7 / mm ]

### Ratchet

|          |         |
|----------|---------|
| Art. No. | XMRC A1 |
|----------|---------|

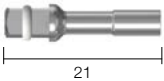


# Maxillofacial Implant Prosthetic Instrument

[ Unit: mm, Scale 1 : 1 / mm ]

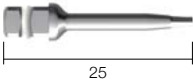
## Adapter | For mini ball abutment

|          |                  |
|----------|------------------|
| Art. No. | IPST <b>21</b> W |
|----------|------------------|



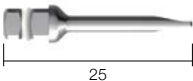
## Hex Driver T/W

| Type    | L  | Art. No.         |
|---------|----|------------------|
|         | 21 | XMHD <b>21</b> W |
| Ratchet | 25 | XMHD <b>25</b> W |
|         | 27 | XMHD <b>27</b> W |



## Slot Driver

| Type    | L  | Art. No.         |
|---------|----|------------------|
|         | 17 | MSDA <b>17</b> R |
| Ratchet | 25 | MSDA <b>25</b> R |



## Torque Wrench

|          |       |
|----------|-------|
| Art. No. | XMNTW |
|----------|-------|

[ Unit: mm, Scale 1 : 0.7 / mm ]

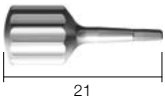
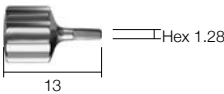


# Maxillofacial Implant Laboratory Instrument

[ Unit: mm, Scale 1 : 1 / mm ]

## Hex Driver

| L  | Art. No.       |
|----|----------------|
| 13 | XMHD <b>13</b> |
| 15 | XMHD <b>15</b> |
| 21 | XMHD <b>21</b> |
| 28 | XMHD <b>28</b> |



# Maxillofacial Implant

## Product Catalog

**Dentium**  
For Dentists By Dentists

Specifications are subject to change without prior notice.

Some products that are to be launched in the market after necessary approvals are also listed in this catalog.

### HEAD OFFICE

3105 Trade Tower, 513 Yeongdong-daero, Gangnam-gu, Seoul, Korea 135-731 T +82-2-501-8560 F +82-2-567-9578

### HOME PAGE

[www.dentium.com](http://www.dentium.com)

MIPC-1303 [Rev.1]