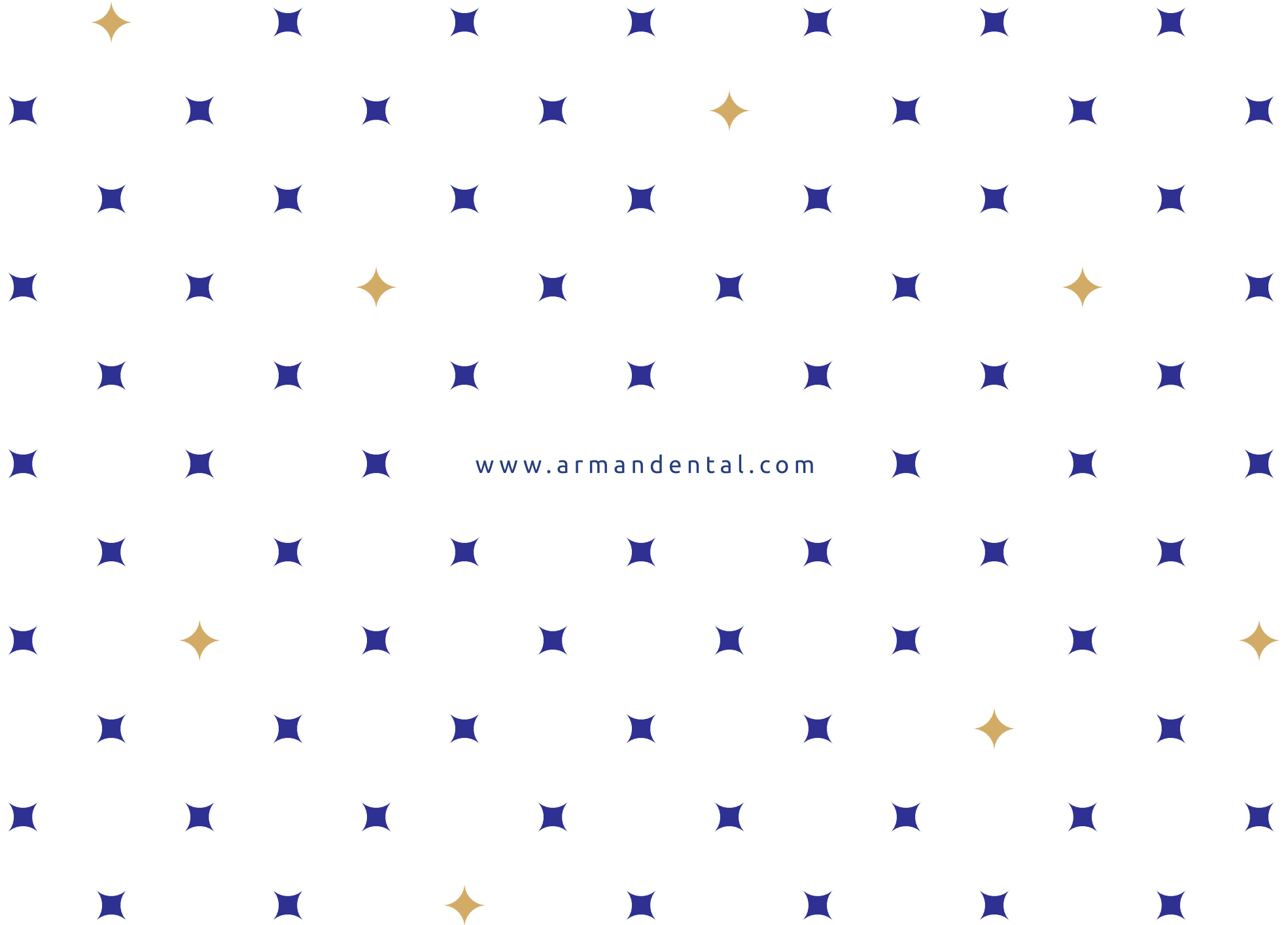
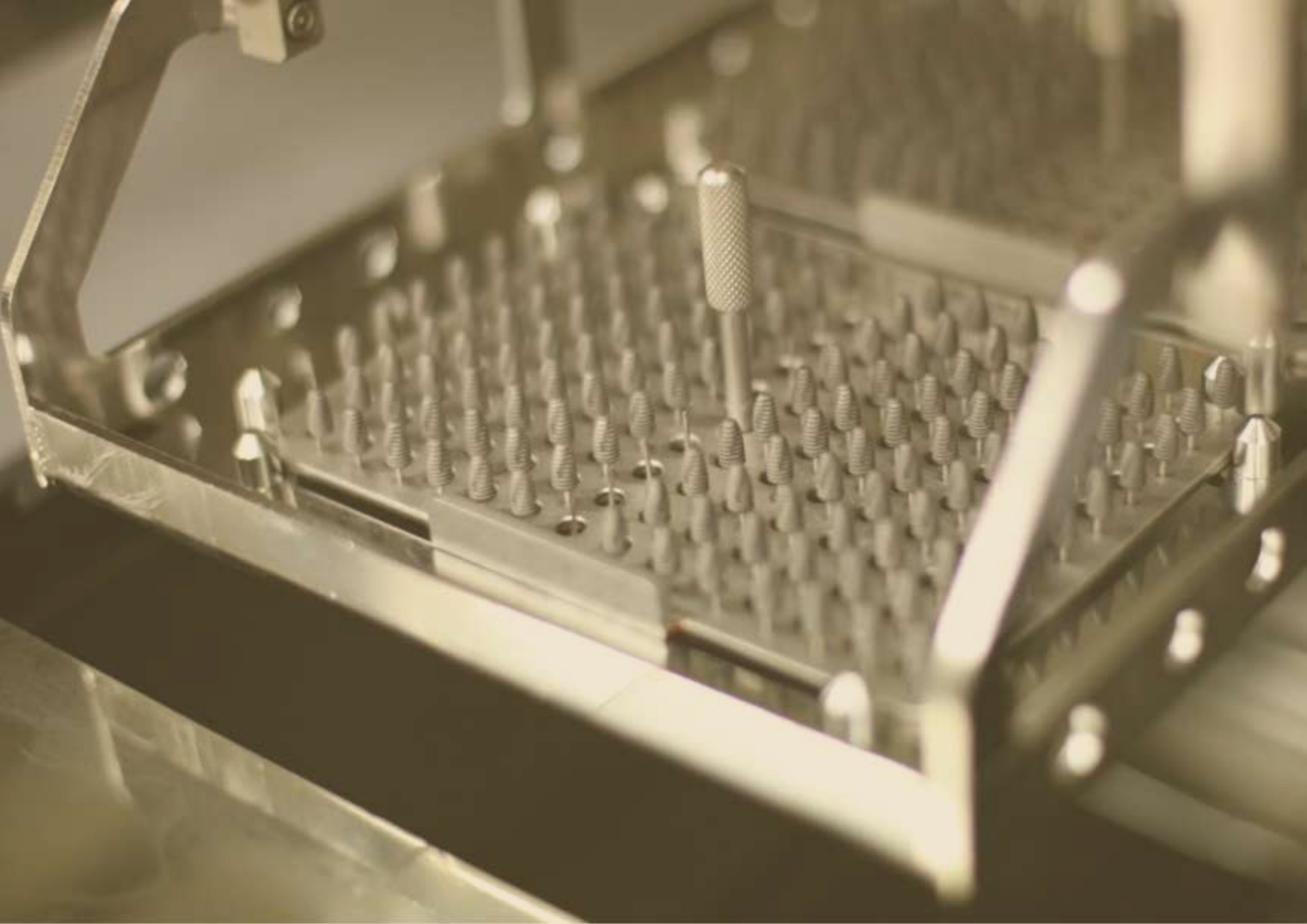


ARMAN
Dental Industry



www.armandental.com



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معرفی آرمان

شرکت آرمان طبیعت سبز پویا ، فعالیت خود را از سال ۱۳۹۴ در زمینه واردات محصولات دندانپزشکی آغاز نموده و نماینده انحصاری کمپانی **MEDIMECCA** تولید کننده برند **CIS (Chaorum Implant System)** در زمینه ایمپلنت دندانی و قطعات پروتزی و نماینده انحصاری کمپانی **KERAMAT** تولید کننده پودر استخوان **KERA OS** با سابقه طولانی در زمینه دندانپزشکی این فرصت را مغتنم شمرده تا به اختصار شرکت و محصولات خود را معرفی نماید .

کمپانی **MEDIMECCA** سازنده برند **CIS (Chaorum)** یکی از سازنده های اصلی و کارخانه مادر تخصصی در زمینه تولید ایمپلنت های دندانی و قطعات پروتزی برای برندهای بزرگ کره ای در کره جنوبی و کمپانی **BIOTHREAD** آمریکا میباشد. هم اکنون این کمپانی در کنار تولید قطعات برای کمپانی های مطرح در بخش ایمپلنتولوژی با برند اصلی خود **CIS** در این عرصه حضور دارد و بدلیل کیفیت بالای سیستم **CIS** و اخذ گواهینامه های بین المللی **FDA** آمریکا و **CE** اروپا مبنی بر تایید کیفیت و پس از طی کردن مراحل تایید محصول در اداره تجهیزات پزشکی ایران هم اکنون با افتخار این سیستم در بخش دندانپزشکی در کلینیک های تخصصی دندانپزشکی و دانشکده های دندانپزشکی در تهران و شهرستانها به عنوان سیستم رسمی مورد استفاده قرار گرفته است.

همچنین کمپانی **KERAMAT** تولید کننده برند پودر استخوان **KERA OS** میباشد، این کمپانی تکنولوژی محور در زمینه توسعه و تولید محصولات سرمایی و بایومترال که در تلاش به عنوان مرجع بین المللی در ساخت بایومترال پزشکی شناخته شود و یکی از محصولات این کمپانی پودر استخوان **KERA OS** که محصولی سنتتیک با خلوص ۹۹٪، **βTCP** که دارای تحقیقات وسیع و نتایج بسیار موفق در این حوزه میباشد و دارای تکتولوژی نوین در این حوزه میباشد و دارای سیستم تنظیم کیفیت بر اساس استاندارد **UNE-EN- ISO 13485** و گواهینامه **CE** اروپا میباشد.



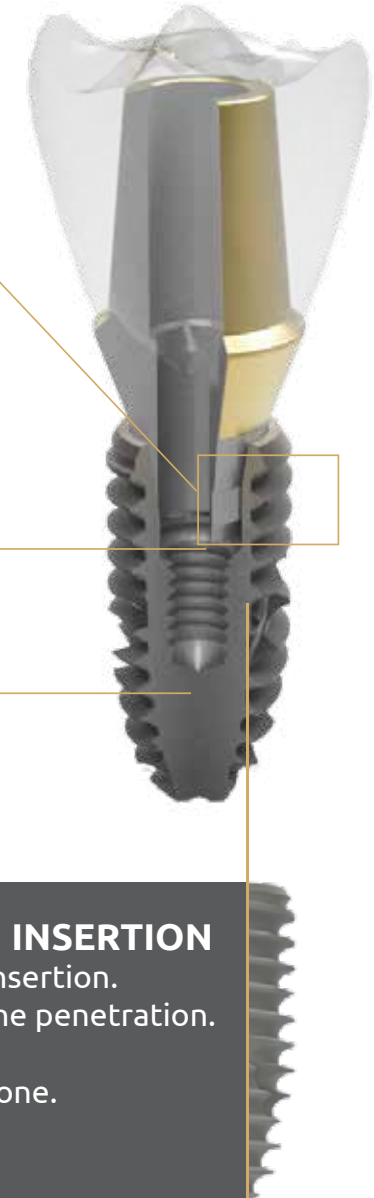
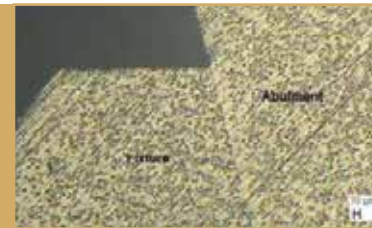
PT SYSTEM FEATURE

NATURAL - LOOKING ESTHICS

- Built-in platform shifting designed to increase soft volume.
- Long-term esthetic appearance

STRONG SEALED CONNECTION

- Advanced internal conical connection with hexagonal Interlocking offers a tight seal and high mechanical strength.
- Creating a strong and perfect stable fit between fixture and abutment
- Simple restoration process



HEX CONNECTION

2 Kinds of connection in PT, which is 2.1 mm and 205 mm

MAXIMUM BONE PRESERVATION

Apex with drilling blades enables smaller osteotomy

EASY ANDSMOOTH INSERTION

- Macro thread of easy insertion.
- Fast and controlled bone penetration.
- Excellent bone grip.
- Reduces pressure on bone.
- High primary stability



SURFACE TREATMENT

S.L.A sandblast **L**arge **G**rit **A**cid etch

- Enhance the rate of osseointegration.
- Raise the rate of bone to implant contact.
- Uniformed distribution of Roughness.



Bio R.B.M. Resorbable **B**last **M**edia

- Biocompatible HA grit blast finish.
- Supersonic Cleaner eliminates residual embedded blast particles or debris in treated surface.
- Uniformed distribution of Roughness.

PT-SYSTEM

CONTENTS



P 6-7

INTERPO
SLA
Fixture



P 10-11

Healing
Abutment



P 12-13

Cemented
Abutment



P 14-15

Angled
Abutment



P 16-17

Solid
Abutment



P 18

Miling
Abutment



P 19

UCLA
Abutment



P 19

CCM
Abutment



P 20

O-Ring
Abutment



P 21

Temporary
Abutment



P 22

Lab
Analog



P 23

Impression
Coping
Pick-up



P 24

Impression
Coping
Transfer

PT FIXTURE (SLA)

Pin tree fixture

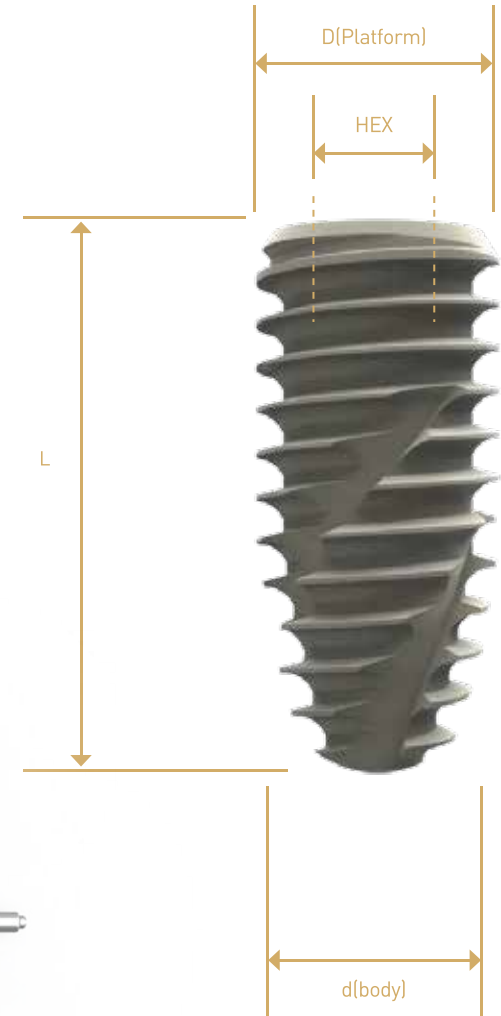
INDICATIONS

- 1- Single-tooth replacement
- 2- Fixing bridges and prostheses

RELEVANT COMPONENT

COVER SCREW

MSCSM12 Small
MSCSS12 Regular & Wide



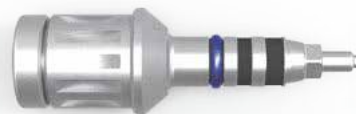
RELEVANT INSTRUMENT

FIXTURE DRIVER

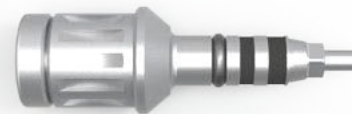
MSCSM12 Small
MSCSS12 Regular & Wide



FDHMS Small



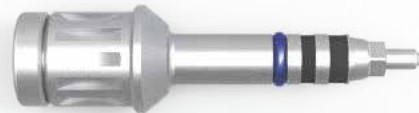
FDRMS Small



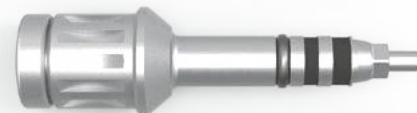
FDRSS Regular & Wide



FDHSS Regular & Wide

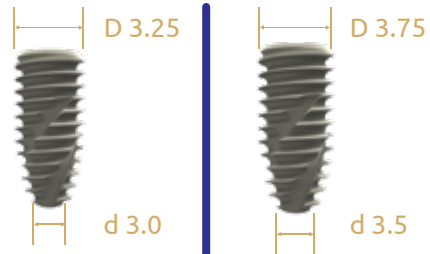
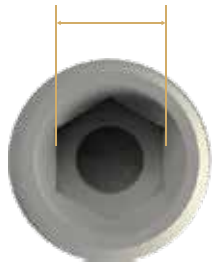


FDRMH Small



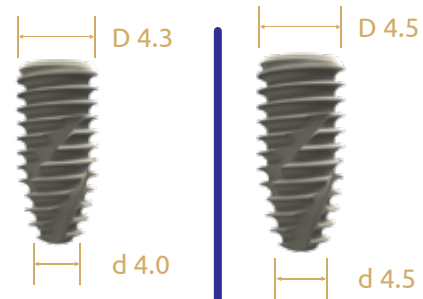
FDRSL Regular & Wide

2.1 Small Hex



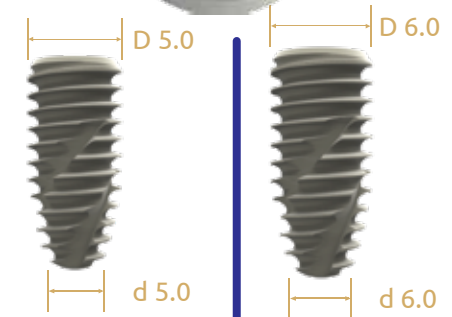
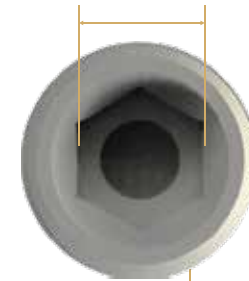
| L SLA Code No. | L SLA Code No. |
|-------------------|-------------------|
| 8.5 PSFS3008M | 8.5 PSFS3508M |
| 10.0 PSFS3010M | 10.0 PSFS3510M |
| 11.5 PSFS3011M | 11.5 PSFS3511M |
| 13.0 PSFS3013M | 13.0 PSFS3513M |
| 15.0 PSFS3015M | 15.0 PSFS3515M |

2.1 Regular Hex



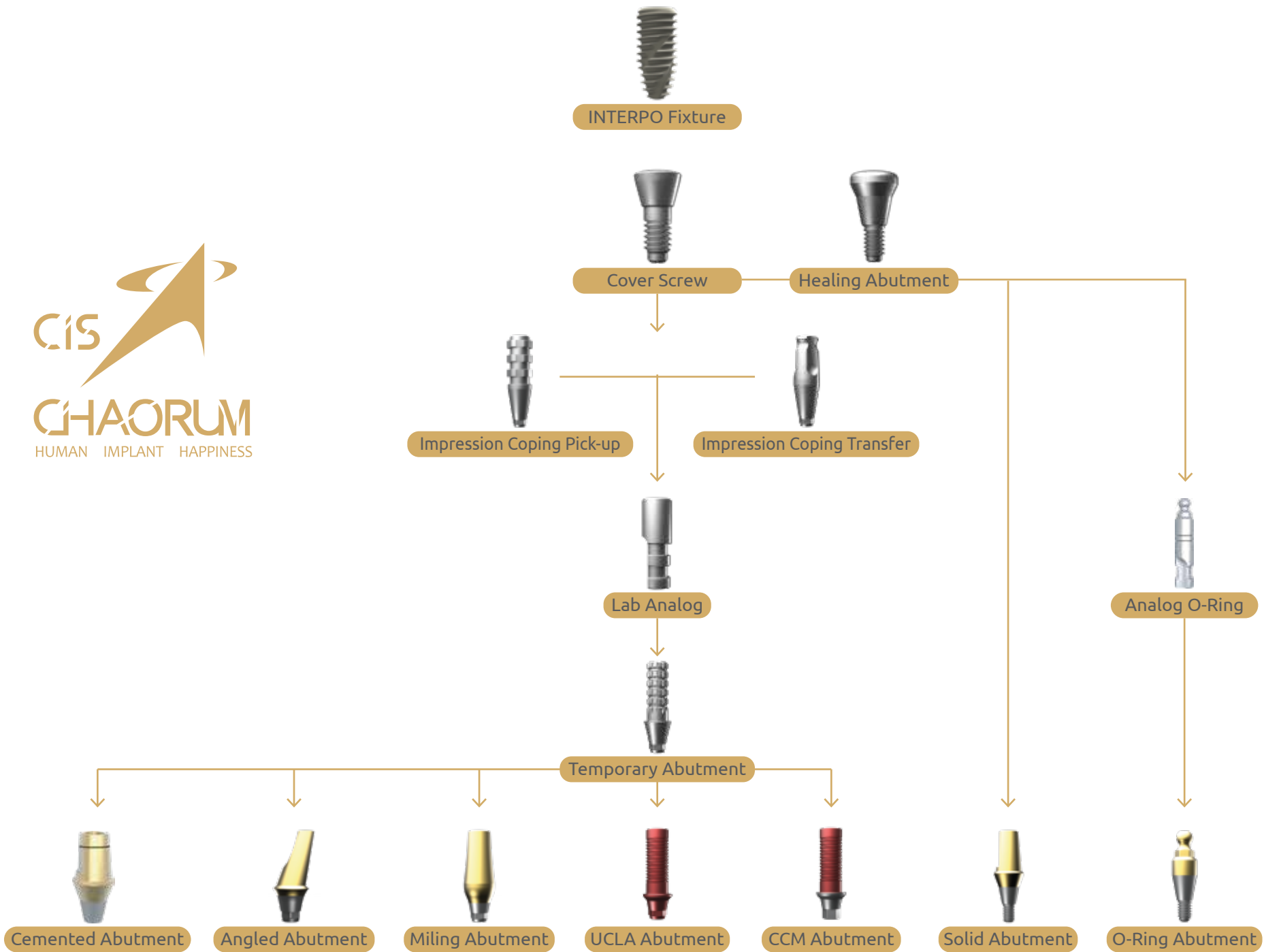
| L SLA Code No. | L SLA Code No. |
|-------------------|-------------------|
| 7.3 PSFR4007 | 7.3 PSFR4507 |
| 8.5 PSFR4008 | 8.5 PSFR4508 |
| 10.0 PSFR4010 | 10.0 PSFR4510 |
| 11.5 PSFR4011 | 11.5 PSFR4511 |
| 13.0 PSFR4013 | 13.0 PSFR4513 |
| 15.0 PSFR4015 | 15.0 PSFR4515 |

2.5 Wide Hex

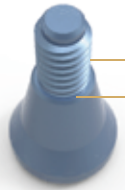


| L SLA Code No. | L SLA Code No. |
|-------------------|-------------------|
| 7.3 PSFW5007 | 7.3 PSFW6007 |
| 8.5 PSFW5008 | 8.5 PSFW6008 |
| 10.0 PSFW5010 | 10.0 PSFW6010 |
| 11.5 PSFW5011 | 11.5 PSFW6011 |
| 13.0 PSFW5013 | 13.0 PSFW6013 |
| 15.0 PSFW5015 | 15.0 PSFW6015 |

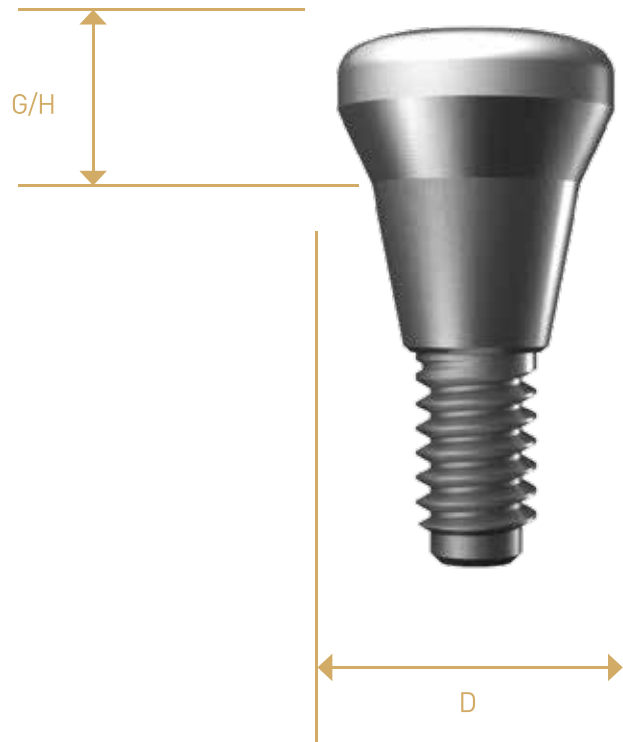




HEALING ABUTMENT



2.1 Small Connection



D 3.5



D 4.0



D 4.5

G/H
Code No.

0.0
MDH3500M

1.0
MDH3510M

1.5
MDH3515M

2.5
MDH3525M

3.5
MDH3535M

4.5
MDH3545M

5.5
MDH3555M

G/H
Code No.

0.0
MDH4000M

1.0
MDH4010M

1.5
MDH4015M

2.5
MDH4025M

3.5
MDH4035M

4.5
MDH4045M

5.5
MDH4055M

G/H
Code No.

0.0
MDH4500M

1.0
MDH4510M

1.5
MDH4515M

2.5
MDH4525M

3.5
MDH4535M

4.5
MDH4545M

5.5
MDH4555M

INDICATIONS

1. For simple contouring of the per-implant soft tissue
2. Selection according to implant diameter (D) and gingival height (GH)



2.5 REGULAR & Wide Connection



D 4.5



D 5.0



D 5.5



D 6.0



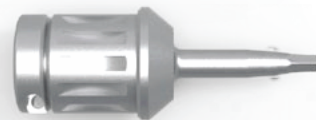
D 6.5

RELEVANT COMPONENT

1.2 HEX DRIVER



HT120S HANDPIECE Small & Regular & Wide



HD120S TORQUE Small & Regular & Wide



HD120L TORQUE Small & Regular & Wide

G/H
Code No.

0.0
MDH4500

1.0
MDH4510

1.5
MDH4515

2.5
MDH4525

3.5
MDH4535

4.5
MDH4545

5.5
MDH4555

G/H
Code No.

0.0
MDH5000

1.0
MDH5010

1.5
MDH5015

2.5
MDH5025

3.5
MDH5035

4.5
MDH5045

5.5
MDH5055

G/H
Code No.

0.0
MDH5500

1.0
MDH5510

1.5
MDH5515

2.5
MDH5525

3.5
MDH5535

4.5
MDH5545

5.5
MDH5555

G/H
Code No.

0.0
MDH6000

1.0
MDH6010

1.5
MDH6015

2.5
MDH6025

3.5
MDH6035

4.5
MDH6045

5.5
MDH6055

G/H
Code No.

0.0
MDH6500

1.0
MDH6510

1.5
MDH6515

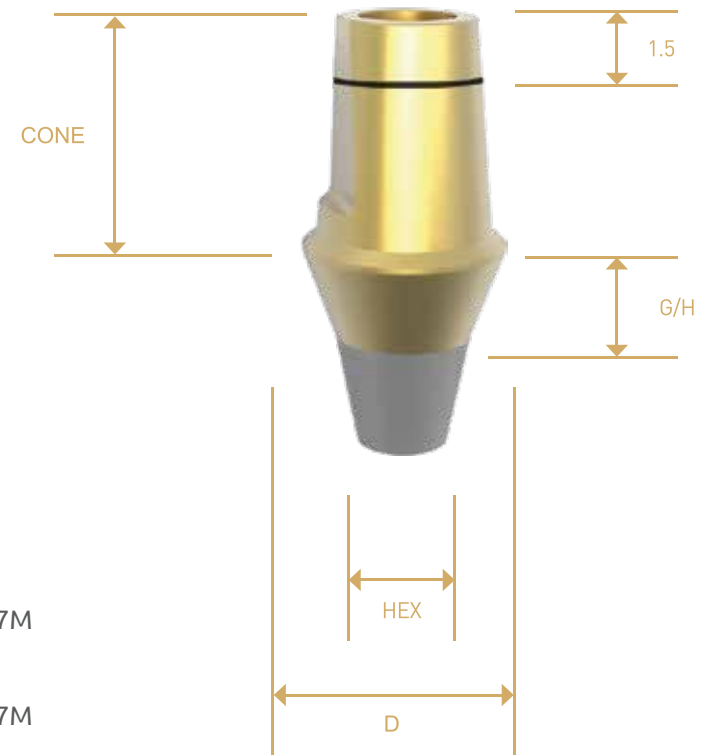
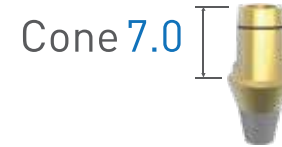
2.5
MDH6525

3.5
MDH6535

4.5
MDH6545

5.5
MDH6555

CEMENTED ABUTMENT HEX



| D3.5 | D4.0 | D4.5 | D4.0 | D4.5 |
|-------------------|-------------------|-------------------|--------------------|-------------------|
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSDH35105M | 1.0 MSDH40105M | 1.0 MSDH45105M | 1.0 MSDH40107M | 1.0 MSDH45107M |
| 1.5 MSDH35155M | 1.5 MSDH40155M | 1.5 MSDH45155M | 1.5 MSDH40157M | 1.5 MSDH45157M |
| 2.5 MSDH35255M | 2.5 MSDH40255M | 2.5 MSDH45255M | 2.5 MSDH4025M | 2.5 MSDH45257M |
| 3.5 MSDH35355M | 3.5 MSDH40355M | 3.5 MSDH45355M | 3.5 MSDH40357M | 3.5 MSDH45357M |
| 4.5 MSDH35455M | 4.5 MSDH40455M | 4.5 MSDH45455M | 4.5 MSDH340457M | 4.5 MSDH45457M |
| 5.5 MSDH35555M | 5.5 MSDH40555M | 5.5 MSDH45555M | 5.5 MSDH40557M | 5.5 MSDH45557M |



Cemented Abutment NON-HEX is Available (With Above Size)

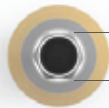
INDICATIONS

- 1. For esthetically demanding single-tooth crowns and bridges
- 2. Available straight or angled
- 3. Customizable by grinding
- 4. Cementable or screw-retained

RELEVANT COMPONENT

COVER SCREW

SDTHOOM Small
SDTHOO Regular & Wide



2.5 Regular & Wide Hex

RELEVANT COMPONENT

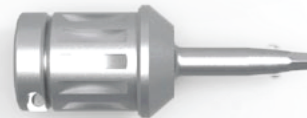
1.2 HEX DRIVER



HT120S HANDPIECE Small & Regular & Wide



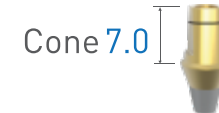
HD120L TORQUE Small & Regular & Wide



HD120S TORQUE Small & Regular & Wide



Cone 5.5



Cone 7.0

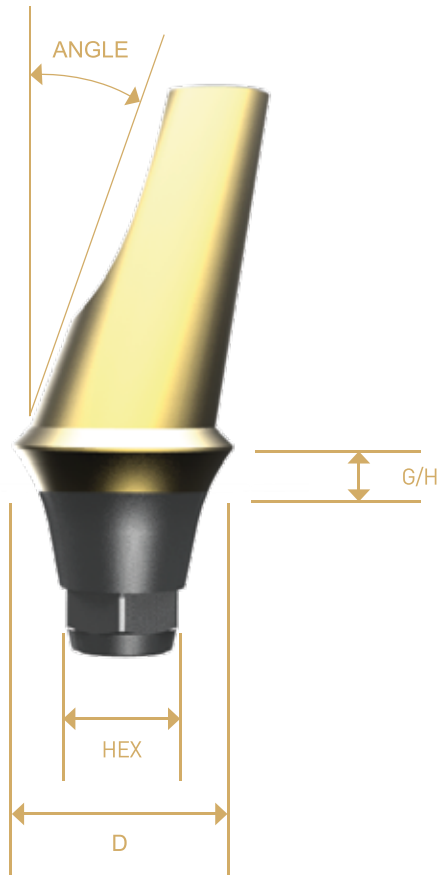


NON-HEX

| D4.5 | D5.0 | D5.5 | D6.0 | D6.5 | D4.5 | D5.0 | D5.5 | D6.0 | D6.5 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSDH45105 | 1.0 MSDH50105 | 1.0 MSDH55105 | 1.0 MSDH60105 | 1.0 MSDH65105 | 1.0 MSDH45107 | 1.0 MSDH50107 | 1.0 MSDH55107 | 1.0 MSDH60107 | 1.0 MSDH65107 |
| 1.5 MSDH45155 | 1.5 MSDH50155 | 1.5 MSDH55155 | 1.5 MSDH60155 | 1.5 MSDH65155 | 1.5 MSDH45157 | 1.5 MSDH50157 | 1.5 MSDH55157 | 1.5 MSDH60157 | 1.5 MSDH65157 |
| 2.5 MSDH45255 | 2.5 MSDH50255 | 2.5 MSDH45255 | 2.5 MSDH60255 | 2.5 MSDH65255 | 2.5 MSDH45257 | 2.5 MSDH50257 | 2.5 MSDH45257 | 2.5 MSDH60257 | 2.5 MSDH65257 |
| 3.5 MSDH45355 | 3.5 MSDH50355 | 3.5 MSDH55355 | 3.5 MSDH60355 | 3.5 MSDH65355 | 3.5 MSDH45357 | 3.5 MSDH50357 | 3.5 MSDH55357 | 3.5 MSDH60357 | 3.5 MSDH65357 |
| 4.5 MSDH45455 | 4.5 MSDH50455 | 4.5 MSDH55455 | 4.5 MSDH60455 | 4.5 MSDH65455 | 4.5 MSDH45457 | 4.5 MSDH50457 | 4.5 MSDH55457 | 4.5 MSDH60457 | 4.5 MSDH65457 |
| 5.5 MSDH45555 | 5.5 MSDH50555 | 5.5 MSDH55555 | 5.5 MSDH60555 | 5.5 MSDH65555 | 5.5 MSDH45557 | 5.5 MSDH50557 | 5.5 MSDH55557 | 5.5 MSDH60557 | 5.5 MSDH65557 |

DUAL Abutment NON-HEX is Available (With Above Size)

ANGLE ABUTMENT HEX



INDICATIONS

1. For esthetically demanding single-tooth crowns and bridges
2. Available straight or angled
3. Customizable by grinding
4. Cementable or screw-retained

RELEVANT COMPONENT

COVER SCREW

- | | |
|---------|----------------|
| SDTHOOM | Small |
| SDTHOO | Regular & Wide |

RELEVANT COMPONENT

1.2 HEX DRIVER



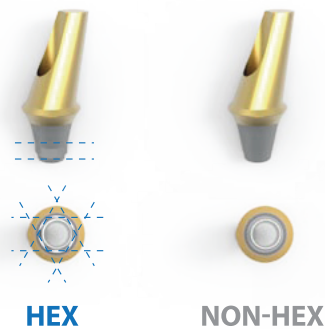
HT120S HANDPIECE Small & Regular & Wide



HD120S TORQUE Small & Regular & Wide



HD120L TORQUE Small & Regular & Wide



2.1 Small Hex



Angle 15°



| D3.5 |
|-------------------|
| G/H Code No. |
| 1.0 MSAA35151M |
| 2.0 MSAA35152M |
| 3.0 MSAA35153M |
| 4.0 MSAA35154M |

| D4.0 |
|-------------------|
| G/H Code No. |
| 1.0 MSAA40151M |
| 2.0 MSAA40152M |
| 3.0 MSAA40153M |
| 4.0 MSAA40154M |

| D4.5 |
|-------------------|
| G/H Code No. |
| 1.0 MSAA45151M |
| 2.0 MSAA45152M |
| 3.0 MSAA45153M |
| 4.0 MSAA45154M |

Angle 25°



| D4.0 |
|-------------------|
| G/H Code No. |
| 1.0 MSAA40251M |
| 2.0 MSAA40152M |
| 3.0 MSAA40253M |
| 4.0 MSAA40254M |

| D4.5 |
|-------------------|
| G/H Code No. |
| 1.0 MSAA45251M |
| 2.0 MSAA45152M |
| 3.0 MSAA40253M |
| 4.0 MSAA45254M |

2.5 Regular & Wide Hex



Cone 5.5



| D4.5 |
|------------------|
| G/H Code No. |
| 1.0 MSAA45151 |
| 2.0 MSAA45152 |
| 3.0 MSAA45153 |
| 4.0 MSAA45154 |
| 5.0 MSAA45155 |

| D5.0 |
|------------------|
| G/H Code No. |
| 1.0 MSAA50151 |
| 2.0 MSAA50152 |
| 3.0 MSAA50153 |
| 4.0 MSAA50154 |
| 5.0 MSAA50155 |

| D5.5 |
|------------------|
| G/H Code No. |
| 1.0 MSAA55151 |
| 2.0 MSAA55152 |
| 3.0 MSAA55153 |
| 4.0 MSAA55154 |
| 5.0 MSAA55155 |

| D6.0 |
|------------------|
| G/H Code No. |
| 1.0 MSAA60151 |
| 2.0 MSAA60152 |
| 3.0 MSAA60153 |
| 4.0 MSAA60154 |
| 5.0 MSAA60155 |

| D4.5 |
|------------------|
| G/H Code No. |
| 1.0 MSAA45251 |
| 2.0 MSAA45252 |
| 3.0 MSAA45253 |
| 4.0 MSAA45254 |
| 5.0 MSAA45255 |

Cone 7.0



| D5.0 |
|------------------|
| G/H Code No. |
| 1.0 MSAA50251 |
| 2.0 MSAA50252 |
| 3.0 MSAA50253 |
| 4.0 MSAA50254 |
| 5.0 MSAA50255 |

| D5.5 |
|------------------|
| G/H Code No. |
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| 2.0 MSAA55252 |
| 3.0 MSAA55253 |
| 4.0 MSAA55254 |
| 5.0 MSAA55255 |

| D6.0 |
|------------------|
| G/H Code No. |
| 1.0 MSAA60251 |
| 2.0 MSAA60252 |
| 3.0 MSAA60253 |
| 4.0 MSAA60254 |
| 5.0 MSAA60255 |



NON-HEX

DUAL Abutment NON-HEX is Available (With Above Size)

SOLID ABUTMENT

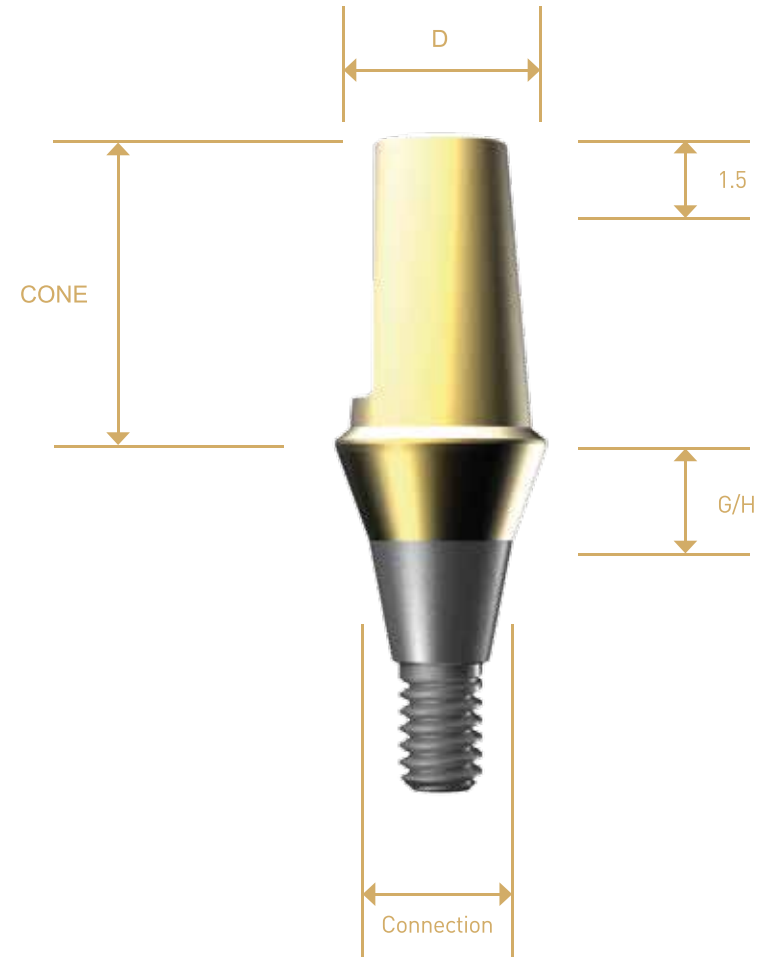


2.1 Small Connection

Cone 5.5



Cone 7.0



| D3.5 | D4.0 | D4.5 | D4.0 | D4.5 |
|------------------|------------------|------------------|-------------------|-------------------|
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSCA3510M | 1.0 MSCA4010M | 1.0 MSCA4510M | 1.0 MSCA40107M | 1.0 MSCA45107M |
| 1.5 MSCA3515M | 1.5 MSCA4015M | 1.5 MSCA4515M | 1.5 MSCA40157M | 1.5 MSCA45157M |
| 2.5 MSCA3525M | 2.5 MSCA4025M | 2.5 MSCA4525M | 2.5 MSCA40257M | 2.5 MSCA45257M |
| 3.5 MSCA3535M | 3.5 MSCA4035M | 3.5 MSCA4535M | 3.5 MSCA40357M | 3.5 MSCA45357M |
| 4.5 MSCA3545M | 4.5 MSCA4045M | 4.5 MSCA4545M | 4.5 MSCA40457M | 4.5 MSCA45457M |
| 5.5 MSCA3555M | 5.5 MSCA4055M | 5.5 MSCA4555M | 5.5 MSCA40557M | 5.5 MSCA45557M |

INDICATIONS

1. It is used for making the general cement type of the prosthetics.
2. One piece structure for Abutment and screw.

RELEVANT COMPONENT

PROTECTIVE CAP

| | | |
|-------|---------|--------|
| SPC40 | D 4.0mm | L7.0mm |
| SPC45 | D 4.5mm | L7.0mm |
| SPC50 | D 5.0mm | L7.0mm |
| SPC55 | D 5.5mm | L7.0mm |
| SPC60 | D 6.0mm | L7.0mm |
| SPC65 | D 6.5mm | L7.0mm |

RELEVANT COMPONENT

1.2 HEX DRIVER



HT120S HANDPIECE Small & Regular & Wide



HD120L TORQUE Small & Regular & Wide



HD120S TORQUE Small & Regular & Wide



2.5 Regular & Wide Hex

| Cone 5.5 | | | | | Cone 7.0 | | | | |
|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| D4.5 | D5.0 | D5.5 | D6.0 | D6.5 | D4.5 | D5.0 | D5.5 | D6.0 | D6.5 |
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSCA4510 | 1.0 MSCA5010 | 1.0 MSCA5510 | 1.0 MSCA6010 | 1.0 MSCA6510 | 1.0 MSCA45107 | 1.0 MSCA50107 | 1.0 MSCA55107 | 1.0 MSCA60107 | 1.0 MSCA65107 |
| 1.5 MSCA4515 | 1.5 MSCA5015 | 1.5 MSCA5515 | 1.5 MSCA6015 | 1.5 MSCA6515 | 1.5 MSCA45157 | 1.5 MSCA50157 | 1.5 MSCA55157 | 1.5 MSCA60157 | 1.5 MSCA65157 |
| 2.5 MSCA4525 | 2.5 MSCA5025 | 2.5 MSCA5525 | 2.5 MSCA6025 | 2.5 MSCA6525 | 2.5 MSCA45257 | 2.5 MSCA50257 | 2.5 MSCA55257 | 2.5 MSCA60257 | 2.5 MSCA65257 |
| 3.5 MSCA4535 | 3.5 MSCA5035 | 3.5 MSCA5535 | 3.5 MSCA6035 | 3.5 MSCA6535 | 3.5 MSCA45357 | 3.5 MSCA50357 | 3.5 MSCA55357 | 3.5 MSCA60357 | 3.5 MSCA65357 |
| 4.5 MSCA4545 | 4.5 MSCA5045 | 4.5 MSCA5545 | 4.5 MSCA6045 | 4.5 MSCA6545 | 4.5 MSCA45457 | 4.5 MSCA50457 | 4.5 MSCA55457 | 4.5 MSCA60457 | 4.5 MSCA65457 |
| 5.5 MSCA4555 | 5.5 MSCA5055 | 5.5 MSCA5555 | 5.5 MSCA6055 | 5.5 MSCA6555 | 5.5 MSCA45557 | 5.5 MSCA50557 | 5.5 MSCA55557 | 5.5 MSCA60557 | 5.5 MSCA65557 |

MILLING ABUTMENT



INDICATIONS

1. The path of abutment can be controlled though the milling process depends on the patient oral condition

RELEVANT COMPONENT

ABUTMENT SCREW

SDTHOOM Small
SDTHOO Regular & Wide

2.1 Small

| D3.5 | D4.0 | D4.5 |
|--------------------|--------------------|--------------------|
| G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSMA 3510MH | 1.5 MSMA 4015MH | 1.5 MSMA 4515MH |
| 1.5 MSMA 3515MH | | |

2.5 Regular & Wide Hex

| D4.5 | D5.0 | D5.5 | D6.0 | D6.5 |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.5 MSMA 4515H | 1.5 MSMA 5015H | 1.5 MSMA 515MH | 2.5 MSMA 6025H | 2.5 MSMA 6525H |
| 2.5 MSMA 4525H | 2.5 MSMA 5025H | 2.5 MSMA 5525H | 3.5 MSMA 6035H | 3.5 MSMA 6535H |

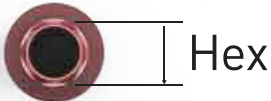
2.1 Small

| D3.5 | D4.0 | D4.5 |
|--------------------|--------------------|--------------------|
| G/H Code No. | G/H Code No. | G/H Code No. |
| 1.0 MSMA 3510MH | 1.5 MSMA 4015MH | 1.5 MSMA 4515MH |
| 1.5 MSMA 3515MH | | |

2.5 Regular & Wide Hex

| D4.5 | D5.0 | D5.5 | D6.0 | D6.5 |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. | G/H Code No. |
| 1.5 MSMA 4515N | 1.5 MSMA 5015N | 1.5 MSMA 515N | 2.5 MSMA 6025N | 2.5 MSMA 6525N |
| 2.5 MSMA 4525N | 2.5 MSMA 5025N | 2.5 MSMA 5525N | 3.5 MSMA 6035N | 3.5 MSMA 6535N |

UCLA ABUTMENT



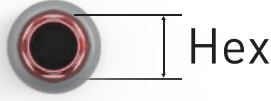
| | |
|---------------------|---------------------|
| Small | Regular & Wide |
| D 4.0 | D 4.5 |
| 2.1 HEX Code No. | 2.5 HEX Code No. |
| L 10 MSCA10MH | L10 MSCA10H |

| | |
|-------------------------|-------------------------|
| Small | Regular & Wide |
| D 4.0 | D 4.5 |
| 2.1 NON-HEX Code No. | 2.5 NON-HEX Code No. |
| L 10 MSCA10MN | L10 MSCA10N |

INDICATIONS

- 1. Material: CCM (Cobalt Chromium Molybdenum alloy)
- 2. Cast with non-previous metal or gold alloy
- 3. exact adaptation to the soft tissue contour

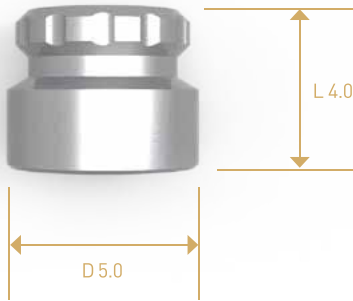
CCM ABUTMENT



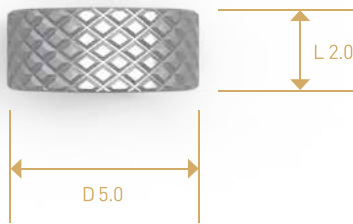
| | |
|---------------------|---------------------|
| Small | Regular & Wide |
| D 4.0 | D 4.5 |
| 2.1 HEX Code No. | 2.5 HEX Code No. |
| RED MPU40MH | RED MPUH |

| | |
|-------------------------|-------------------------|
| Small | Regular & Wide |
| D 4.0 | D 4.5 |
| 2.1 NON-HEX Code No. | 2.5 NON-HEX Code No. |
| WHITE MPU40MN | WHITE MPUN |

ORING ABUTMENT



ORING ABUTMENT HOUSING
Code No. BAH40



ORING ABUTMENT RETAINER
Code No. BAR20



ORING ABUTMENT ORING BLACK
Code No. ORINGB



ORING ABUTMENT ORING RED
Code No. ORINGR



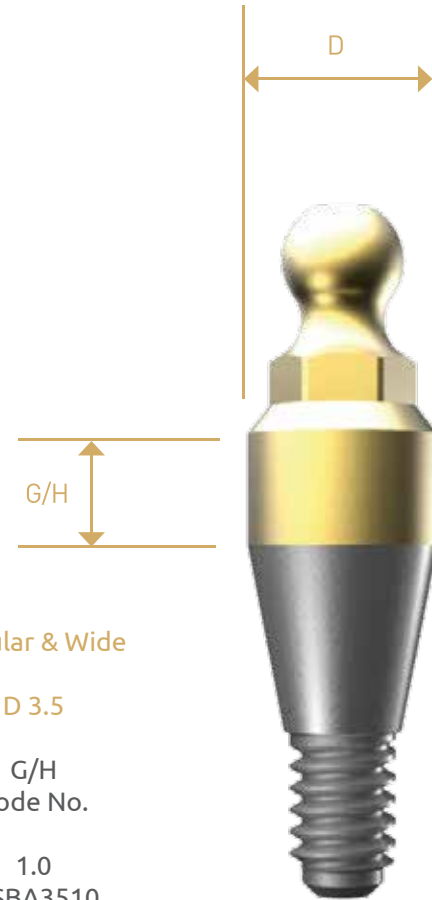
ORING LAB ANALOG
Code No. MBLA00



ORING ABUTMENT DRIVER
Code No. BAD00

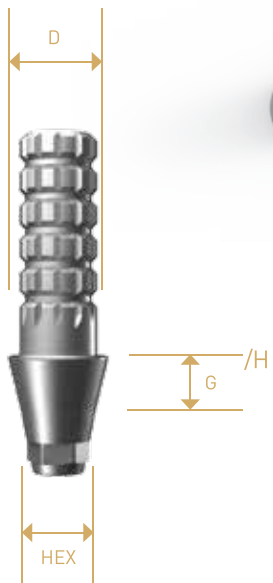
INDICATIONS

1. It can be connected between the overdenture and implant
2. With the O-Ring abutment driver



| Small | Regular & Wide |
|------------------|-----------------|
| D 3.0 | D 3.5 |
| G/H Code No. | G/H Code No. |
| 1.0 MSBA3510M | 1.0 MSBA3510 |
| 1.5 MSBA3515M | 1.5 MSBA3515 |
| 2.0 MSBA3520M | 2.0 MSBA3520 |
| 2.5 MSBA3525M | 2.5 MSBA3525 |
| 3.0 MSBA3530M | 3.0 MSBA3530 |

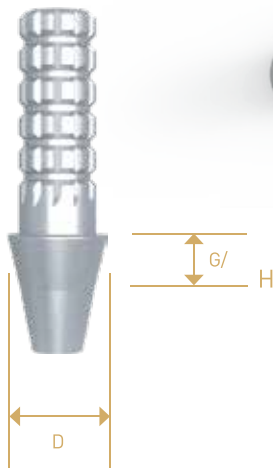
TEMPORARY ABUTMENT



| 2.1 Small Hex | |
|---------------------|---------------------|
| D 3.5 | D 4.0 |
| 2.1 HEX Code No. | 2.1 HEX Code No. |
| 1.0 MSTA3510MH | 1.0 MSTA4010MH |
| 2.5 MSTA3525MH | |

2.5 Regular & Wide Hex

| |
|---------------------|
| D 4.5 |
| 2.5 HEX Code No. |
| 1.0 MSTA4510H |
| 2.5 MSTA4525H |



| 2.1 Small Non-Hex | |
|---------------------|---------------------|
| D 3.5 | D 4.0 |
| 2.1 HEX Code No. | 2.1 HEX Code No. |
| 1.0 MSTA3510MN | 1.0 MSTA4010MN |
| 2.5 MSTA3525MN | |

2.5 Regular & Wide Non-Hex

| |
|---------------------|
| D 4.5 |
| 2.5 HEX Code No. |
| 1.0 MSTA4510N |
| 2.5 MSTA4525N |

RELEVANT COMPONENT

1.2 HEX DRIVER



HT120S HANDPIECE Small & Regular & Wide



HD120S TORQUE Small & Regular & Wide



HD120L TORQUE Small & Regular & Wide

INDICATIONS

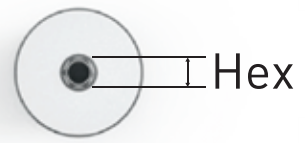
- 1 For using of the making temporary abutment.
- 2 Easy to customize.

RELEVANT COMPONENT

COVER SCREW

SDTHOOM Small
SDTHOO Regular & Wide

CUSTOM ABUTMENT



Small

D 10
HEX
Code No.
2.1
MOSCA10M

D 12
HEX
Code No.
2.5
MOSCA12M

Regular & Wide

D 10
HEX
Code No.
2.1
MOSCA10

D 12
HEX
Code No.
2.5
MOSCA102



CustomAbutment NON-HEX is Available (With Above Size)

LAB ANALOG



INDICATIONS

1. For retaining the prosthetic components on the master model.

IMPRESSION PICK-UP

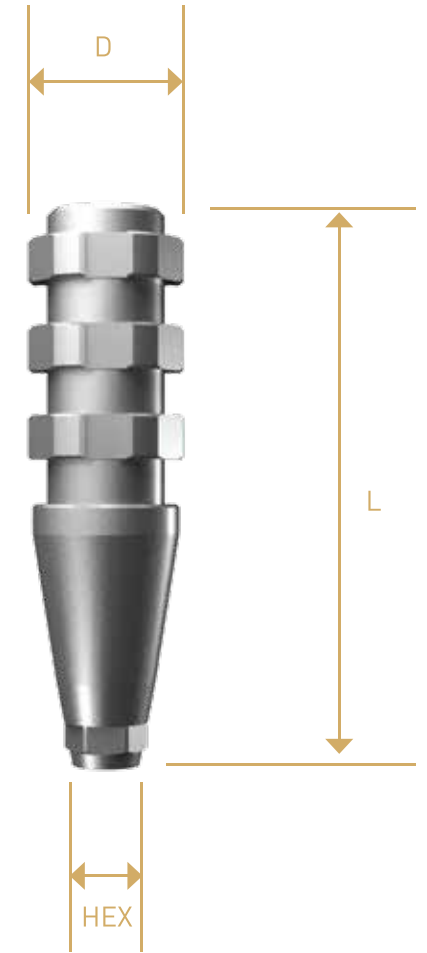
INDICATIONS

1. For transferring the implant position to the master model.
2. Available for Pick Up (open tray) and transfer technique.

RELEVANT COMPONENT

GUIDE PIN

| | |
|-----------|------------------------|
| MSIPM-SC | SHORT – Small |
| MSIPML-SC | LONG- Small |
| MSIPS-SC | SHORT – Regular & Wide |
| MSIPSL-SC | LONG – Regular & Wide |



2.1 Small Hex

| | | |
|-----------------|-----------------|-----------------|
| D 3.5 | D 4.0 | D 4.5 |
| L Code No. | L Code No. | L Code No. |
| SHORT MSIPH35MS | SHORT MSIPH40MS | SHORT MSIPH45MS |
| LONG MSIPH35ML | LONG MSIPH40ML | LONG MSIPH45ML |

2.5 Regular & Wide Hex

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| D 4.5 | D 5.0 | D 5.5 | D 6.0 | D 6.5 |
| L Code No. | L Code No. | L Code No. | L Code No. | L Code No. |
| SHORT MSIPH45S | SHORT MSIPH50S | SHORT MSIPH55S | SHORT MSIPH60S | SHORT MSIPH65S |
| LONG MSIPH45L | LONG MSIPH50L | LONG MSIPH55L | LONG MSIPH60L | LONG MSIPH65L |

2.1 Small Non-Hex

| | | |
|-----------------|-----------------|-----------------|
| D 3.5 | D 4.0 | D 4.5 |
| L Code No. | L Code No. | L Code No. |
| SHORT MSIPN35MS | SHORT MSIPN40MS | SHORT MSIPN45MS |
| LONG MSIPN35ML | LONG MSIPN40ML | LONG MSIPN45ML |

2.5 Regular & Wide Non-Hex

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| D 4.5 | D 5.0 | D 5.5 | D 6.0 | D 6.5 |
| L Code No. | L Code No. | L Code No. | L Code No. | L Code No. |
| SHORT MSIPN45S | SHORT MSIPN50S | SHORT MSIPN55S | SHORT MSIPN60S | SHORT MSIPN65S |
| LONG MSIPN45L | LONG MSIPN50L | LONG MSIPN55L | LONG MSIPN60L | LONG MSIPN65L |

IMPRESSION TRANSFER

INDICATIONS

1. For transferring the implant position to the master model.
2. Available for Pick Up (open tray) and transfer technique.

RELEVANT COMPONENT

GUIDE PIN

| | |
|-----------|------------------------|
| MSIPM-SC | SHORT – Small |
| MSIPML-SC | LONG- Small |
| MSIPS-SC | SHORT – Regular & Wide |
| MSIPSL-SC | LONG – Regular & Wide |



2.1 Small Hex

| D 3.5 | D 4.0 | D 4.5 |
|-----------------|-----------------|------------------|
| L Code No. | L Code No. | L Code No. |
| SHORT MSITH35MS | SHORT MSITH40MS | SHORT MSIPTH45MS |
| LONG MSITH35ML | LONG MSITH40ML | LONG MSITH45ML |

2.5 Regular & Wide Hex

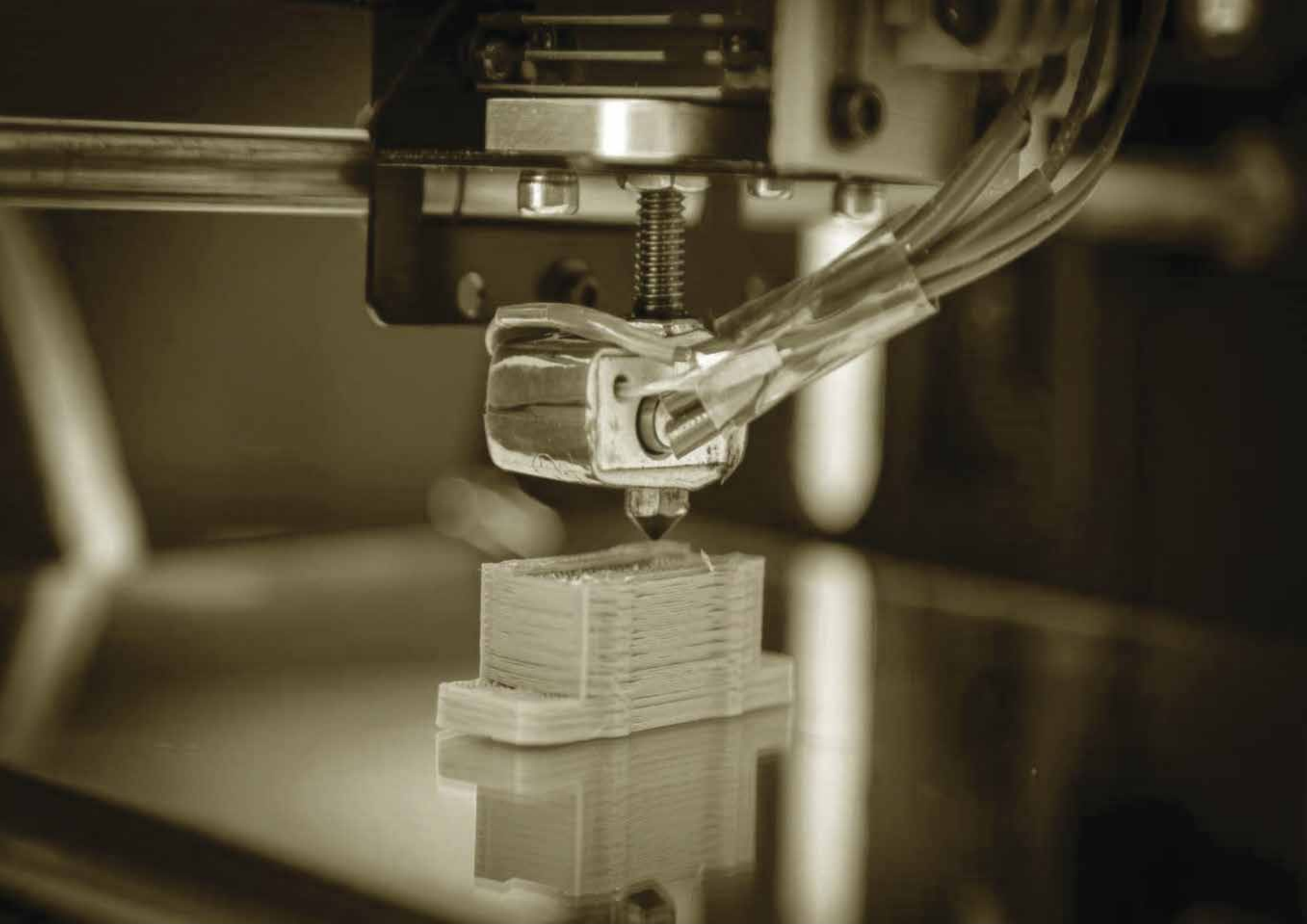
| D 4.5 | D 5.0 | D 5.5 | D 6.0 | D 6.5 |
|----------------|----------------|----------------|----------------|----------------|
| L Code No. | L Code No. | L Code No. | L Code No. | L Code No. |
| SHORT MSITH45S | SHORT MSITH50S | SHORT MSITH55S | SHORT MSITH60S | SHORT MSITH65S |
| LONG MSITH45L | LONG MSITH50L | LONG MSITH55L | LONG MSITH60L | LONG MSITH65L |

2.1 Small Non-Hex

| D 3.5 | D 4.0 | D 4.5 |
|-----------------|-----------------|-----------------|
| L Code No. | L Code No. | L Code No. |
| SHORT MSITN35MS | SHORT MSITN40MS | SHORT MSITN45MS |
| LONG MSITN35ML | LONG MSITN40ML | LONG MSITN45ML |

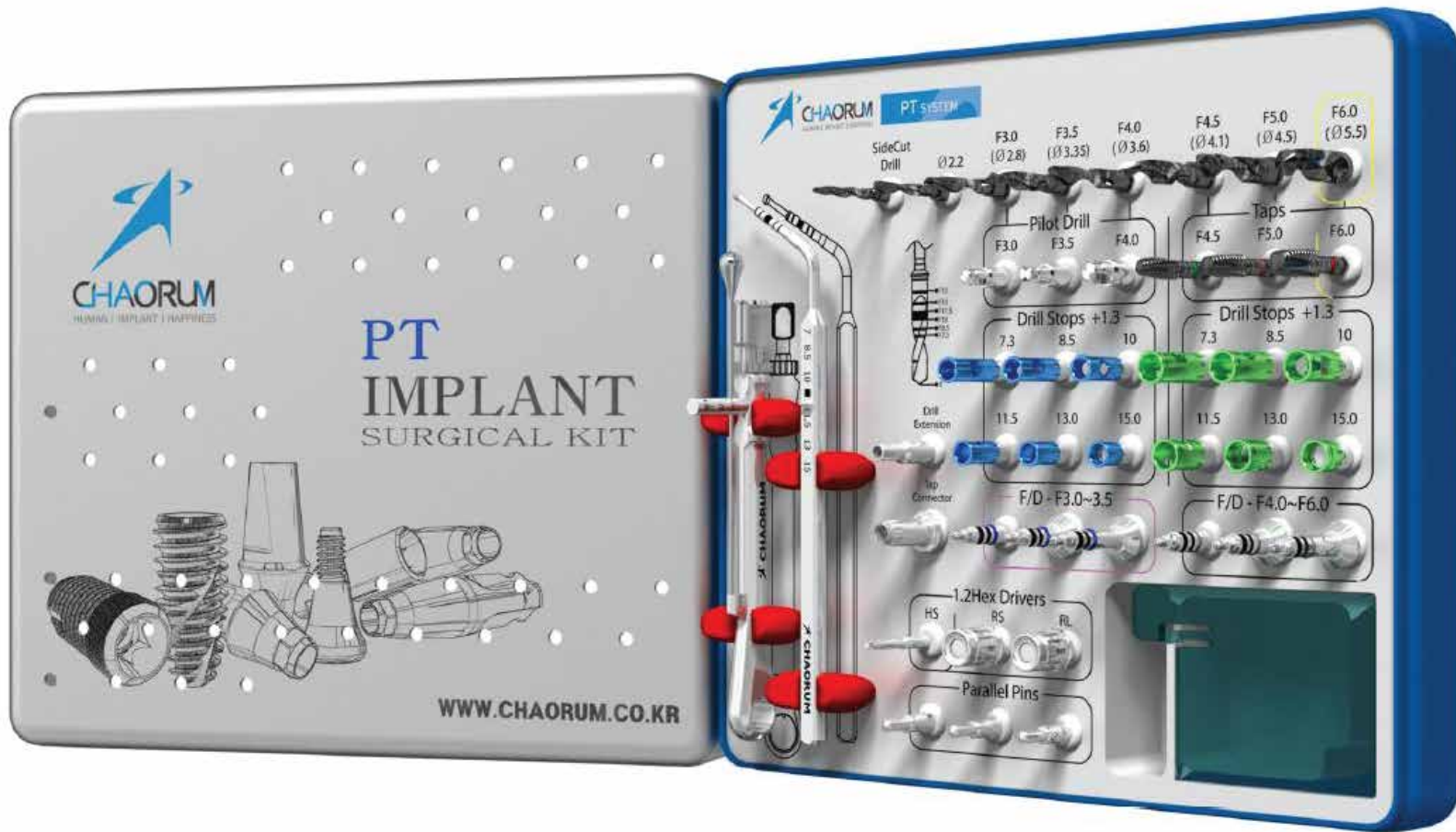
2.5 Regular & Wide Non-Hex

| D 4.5 | D 5.0 | D 5.5 | D 6.0 | D 6.5 |
|----------------|----------------|----------------|----------------|----------------|
| L Code No. | L Code No. | L Code No. | L Code No. | L Code No. |
| SHORT MSITN45S | SHORT MSITN50S | SHORT MSITN55S | SHORT MSITN60S | SHORT MSITN65S |
| LONG MSITN45L | LONG MSITN50L | LONG MSITN55L | LONG MSITN60L | LONG MSITN65L |



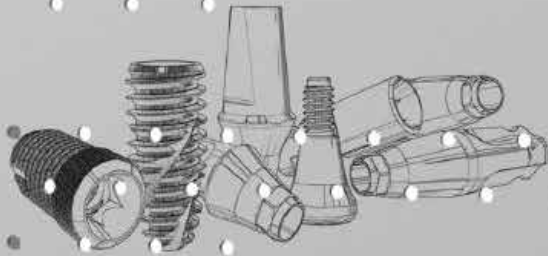
INSTRUMENT

- Surgical Kit
- Surgical Instrument



CHAORUM
HUMAN IMPLANT TRAFFICES

PT IMPLANT SURGICAL KIT



WWW.CHAORUM.CO.KR

- CHAORUM PT SYSTEM**
- SideCut Drill** (Ø2.2, F3.0 (Ø2.8), F3.5 (Ø3.25), F4.0 (Ø3.6), F4.5 (Ø4.1), F5.0 (Ø4.5), F6.0 (Ø5.5))
- Pilot Drill** (F3.0, F3.5, F4.0)
- Taps** (F4.5, F5.0, F6.0)
- Drill Stops +1.3** (7.3, 8.5, 10)
- Drill Extension** (11.5, 13.0, 15.0)
- Tap Connector** (F/D - F3.0~3.5, F/D - F4.0~F6.0)
- 1.2Hex Drivers** (HS, RS, RL)
- Parallel Pins**

PT SURGICAL DRILL

- SIDECUT (LINEMANN) DRILL

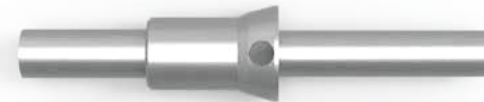


Code No. PSCD22

INDICATIONS

It can point the exact place for the implantation effectively.

- DIRECTION INDICATOR



Code No. GP01

INDICATIONS

After drilling with 2.2 and 3.0 drill, it can be used to determine the appropriate alignment with adjacent teeth, opposing occlusion of other implants.

- PILOT DRILL & TAP DRILL

INDICATIONS

1. It can be used selectively when the bone density is D1 or D2.
2. Please note that to use this drill after the final drill.



D 3.0

CodeNo.

PPD300



D 3.5

CodeNo.

PPD360



D 4.0

CodeNo.

PPD400



D 4.5

CodeNo.

PTDS450



D 5.0

CodeNo.

PTDS500



D 6.0

CodeNo.

PTDS600

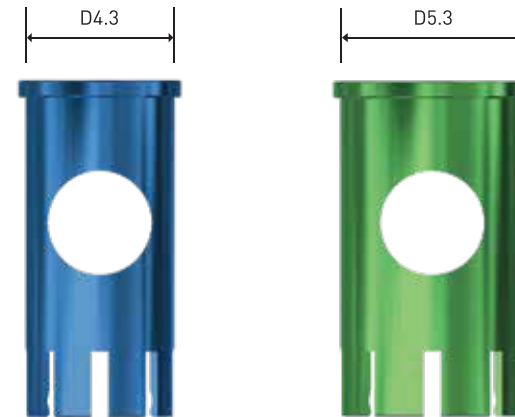
- STOPPER

INDICATIONS

Safe implant site preparation by adaptation of the tapered drill to the planned implant length.

Blue is for 3.0, 3.5, 4.0 twist drill.

Green is for 4.5, 5.0, 6.0 twist drill.

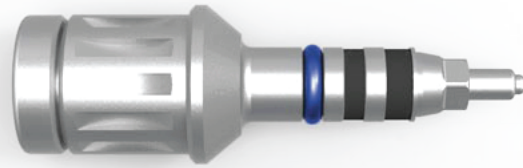


| | | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | F 7.3 | F 8.5 | F 10.0 | F 11.0 | F 13.0 | F 15.0 |
| | Code No. | Code No. | Code No. | Code No. | Code No. | Code No. |
| D 4.3, F: Fixture Length | PDRSTP73M | PDRSTP85M | PDRSTP10M | PDRSTP11M | PDRSTP13M | PDRSTP15M |
| | | | | | | |
| | F 7.3 | F 8.5 | F 10.0 | F 11.0 | F 13.0 | F 15.0 |
| | Code No. | Code No. | Code No. | Code No. | Code No. | Code No. |
| D 4.3, F: Fixture Length | PDRSTP73 | PDRSTP85 | PDRSTP10 | PDRSTP11 | PDRSTP13 | PDRSTP15 |

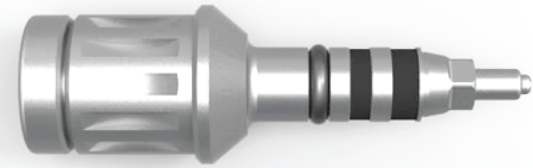
- FIXTURE DRIVER FOR TORQUE WRENCH

INDICATIONS

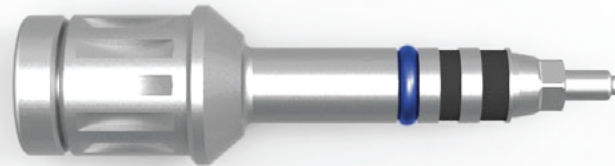
During the implant surgery procedure, it can be used with torque wrench instead of the fixture mount to connect the fixture.



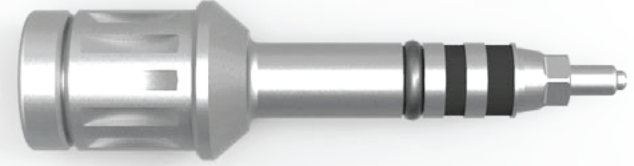
Code No. FDRMS



Code No. FDRSS



Code No. FDRML

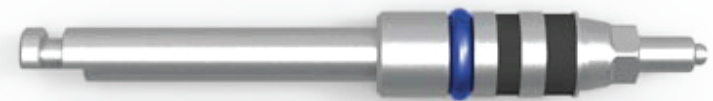


Code No. FDRSL

- FIXTURE DRIVER FOR HANDPIECE

INDICATIONS

During the implant surgery procedure, it can be used with handpiece instead of the fixture mount to connect the fixture.



Code No. FDHMS



Code No. FDHSS

PT SURGICAL INSTRUMENT

- STOPPER

INDICATIONS

It can be used when extension of drill length is required while drilling.

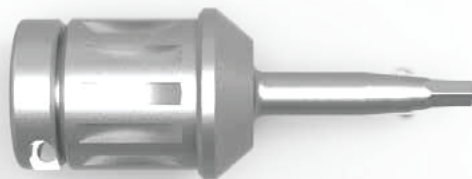


No. DE00

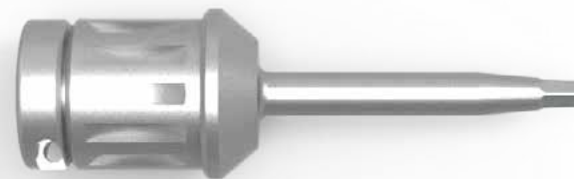
- 1.2 HEX DRIVER

INDICATIONS

It can be used the connecting or detaching the cover screw and abutment screw.



FOR TORQUE WRENCH
Code No. HD120S

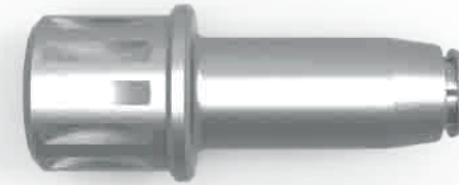


FOR TORQUE WRENCH
Code No. HD120L

- **UNIVERSAL ADAPTER**

INDICATIONS

It can be used as adapter of tap drill with torque wrench.



Code No. CTARL

- **TORQUE WRENCH**

INDICATIONS

It can be used to measure the exact torque of the implant.

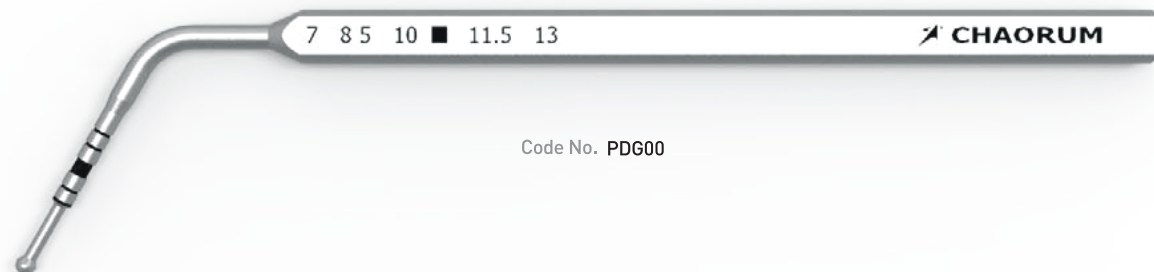


Code No. TQRW00

- **DEPTH GAUGE**

INDICATIONS

It can be used to measure the exact depth of the formed hole.




Code No. PDG00

SURGICAL OVERVIEW

ORING ABUTMENT

| D | G/H | |
|-----|-----|-----|
| | 1.0 | 3.5 |
| | 1.5 | 4.0 |
| 3.5 | 2.0 | 4.5 |
| | 2.5 | 5.0 |
| | 3.0 | 5.5 |

MINI
REGULAR



DUAL ABUTMENT

| D | TYPE | CONE | G/H |
|-----|---------|------|-----|
| 3.5 | | | 1.0 |
| 4.0 | | | 1.5 |
| 4.5 | HEX | 4.5 | 2.5 |
| 5.0 | NON-HEX | 5.5 | 3.5 |
| 5.5 | HEX | 7.0 | 4.5 |
| 6.0 | | | 5.5 |
| 6.5 | | | |


MINI
REGULAR



ANGELD ABUTMENT

| D | TYPE | CONE | G/H |
|-----|---------|------|-----|
| 3.5 | | | |
| 4.0 | | | |
| 4.5 | HEX | | 1.0 |
| 5.0 | NON-HEX | 15 | 2.0 |
| 5.5 | HEX | 25 | 3.0 |
| 6.0 | | | 4.0 |
| 6.5 | | | 5.0 |


MINI
REGULAR



TEMPORARI ABUTMENT

| D | TYPE | G/H |
|-----|---------|-----|
| 3.5 | HEX | 1.0 |
| 4.5 | NON-HEX | 2.5 |
| 5.5 | HEX | 3.0 |


MINI
REGULAR



MILLING ABUTMENT

| D | TYPE | G/H |
|-----|---------|-----|
| 3.5 | | 1.0 |
| 4.0 | | 1.5 |
| 4.5 | HEX | 2.0 |
| 5.0 | NON-HEX | 2.5 |
| 5.5 | | 3.0 |
| 6.0 | | 3.5 |
| 6.5 | | 4.0 |


MINI
REGULAR



SOLID ABUTMENT

| D | TYPE | G/H |
|-----|------|-----|
| 3.5 | | 1.0 |
| 4.0 | | 1.5 |
| 4.5 | 5.5 | 2.5 |
| 5.0 | 7.0 | 3.5 |
| 5.5 | | 4.5 |
| 6.0 | | 5.5 |
| 6.5 | | |

MINI
REGULAR



UCLA ABUTMENT

| D | TYPE |
|-----|------------|
| 3.5 | HEX NON |


MINI
REGULAR



LAB ANALOG

| D | TYPE |
|---|-------------------|
| 4 | HEX 2.1 HEX2.5 |


MINI
REGULAR



ORING LAB ANALOG

| D | G/H | |
|-----|-----|-----|
| | 1.0 | 3.5 |
| | 1.5 | 4.0 |
| 3.5 | 2.0 | 4.5 |
| | 2.5 | 5.0 |
| | 3.0 | 5.5 |


MINI
REGULAR



IMPRESSION PICK-UP

| D | TYPE | L |
|-----|------|---|
| 3.5 | | |
| 4.0 | | |
| 4.5 | HEX | S |
| 5.0 | NON | L |
| 5.5 | -HEX | |
| 6.0 | | |
| 6.5 | | |


MINI
REGULAR



IMPRESSION TRANSFER

| D | TYPE | L |
|-----|------|---|
| 3.5 | | |
| 4.0 | | |
| 4.5 | HEX | S |
| 5.0 | NON | L |
| 5.5 | -HEX | |
| 6.0 | | |
| 6.5 | | |


MINI
REGULAR



HELING ABUTMENT

| D | G/H |
|-----|-----|
| 3.5 | 0.0 |
| 4.0 | 1.0 |
| 4.5 | 1.5 |
| 5.0 | 2.5 |
| 5.5 | 3.5 |
| 6.0 | 4.5 |
| 6.5 | 5.5 |


MINI
REGULAR



FIXTURE

| D | L |
|-----|------|
| 3.0 | 7.3 |
| 3.5 | 8.5 |
| 4.0 | 10.0 |
| 4.5 | 11.5 |
| 5.0 | 13.0 |
| 6.0 | |

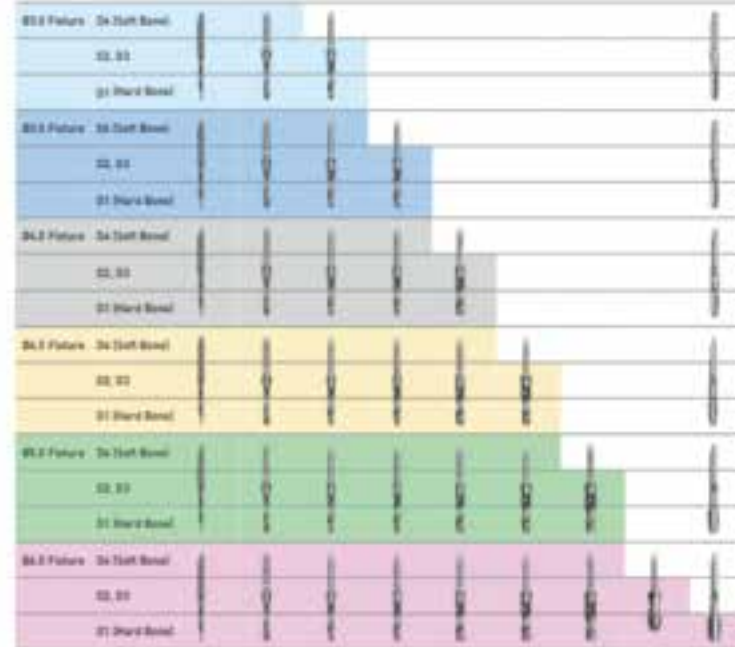
MINI
REGULAR

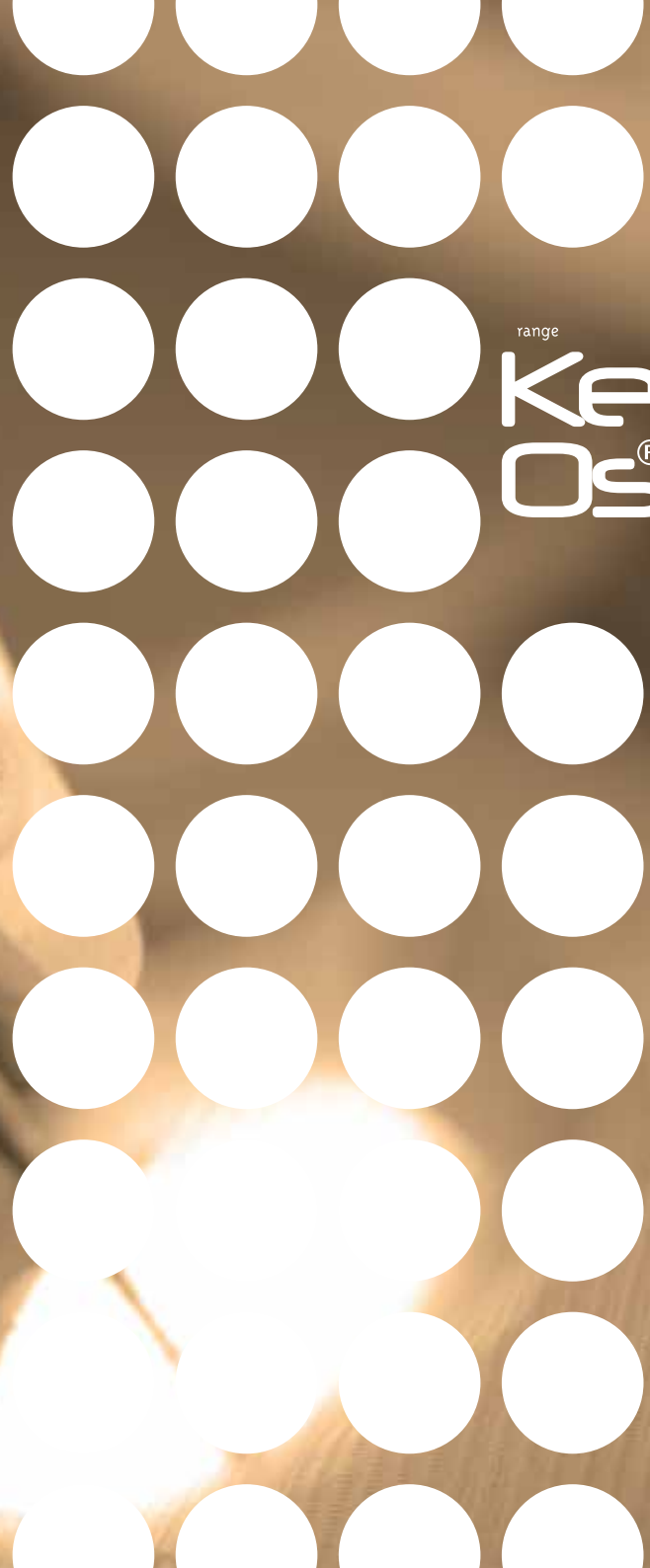


SURGICAL PROTOCOL

SURGICAL PROTOCOL

| Implant Length | Sidecut Drill | Twist Drill | Twist Drill | Twist Drill | Twist Drill | Twist Drill | Twist Drill | Twist Drill |
|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | Ø1.2mm | Ø1.5mm | Ø1.5mm | Ø1.5mm | Ø1.5mm | Ø1.5mm | Ø1.5mm |
| 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm |
| 3.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm | 2.0mm |
| 4.0mm | Guide Drill | 4.0mm | 4.0mm | 4.0mm | 4.0mm | 4.0mm | 4.0mm | 4.0mm |
| 5.0mm | | 5.0mm | 5.0mm | 5.0mm | 5.0mm | 5.0mm | 5.0mm | 5.0mm |
| 6.0mm | | 6.0mm | 6.0mm | 6.0mm | 6.0mm | 6.0mm | 6.0mm | 6.0mm |





range
Kera
Os[®]

BONGERAFT

Our Product Range



Small
0.25 - 1 mm

CC
Code No.

0.25
Kbs0025

0.5
Kbs0050

1
Kbs0100

2
Kbs0200



large
0.25 - 1 mm

CC
Code No.

1
Kbl0100

2
Kbl0200

WHAT IS KERAOS?

KeraOs is a range of bone replacement products made of Tricalcium B-Phosphate in compliance with international standard ASTM Flo04-88.

The KeraOs product range complies with the maximum requirements of any biomaterial for odontological use.

KeraOs's structure is similar to that of spongy bone trabecules in its interconnected porosity, which allows it to work as osteoconductor support where blood capillaries and osteogenic cells adhere to form bone.

Its bioactivity and composition allows them to intervene in the bone remodeling process with full osteointegration and bioreabsorption in so that it is replaced by the patient's own bone.

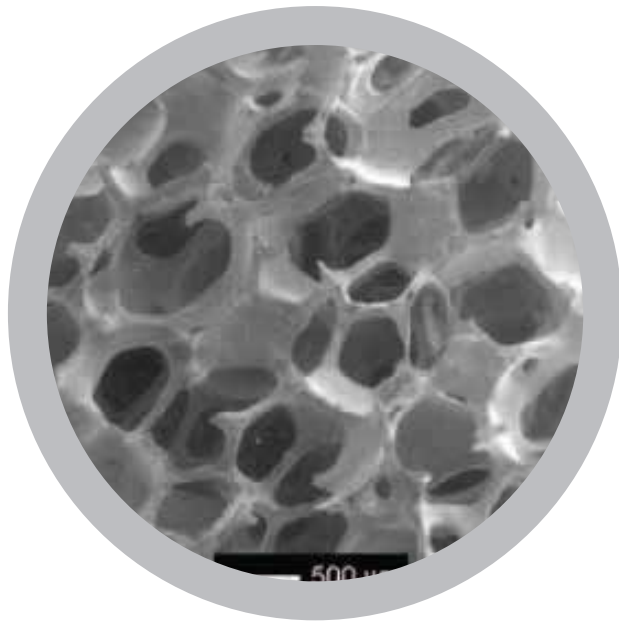
Due to its characteristics, properties and composition, KeraOs is an ideal biomaterial for bone regeneration processes.

Biocompatible
Bioactive
Bioabsorbable
Bioremodelable
Osteointegrable
Osteoconductor

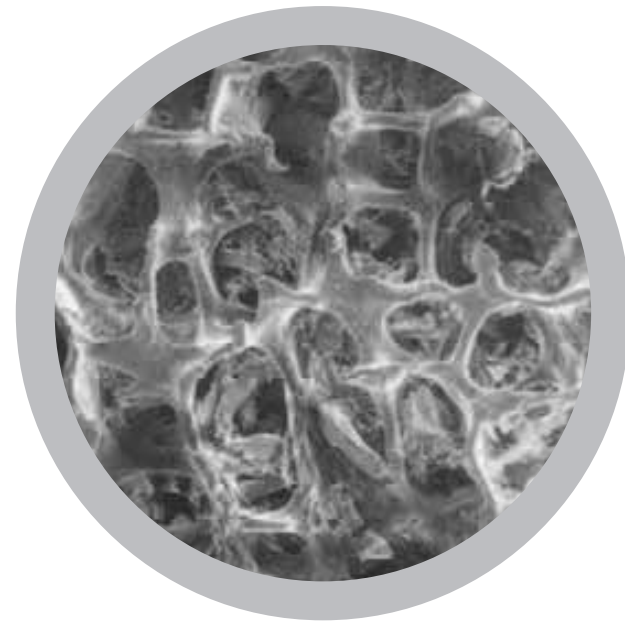


EFFECTIVE BONE REGENERATION

The technology we apply in our manufacturing process allows us to develop tree-dimensional structures in our products that are similar to those in the human bone.

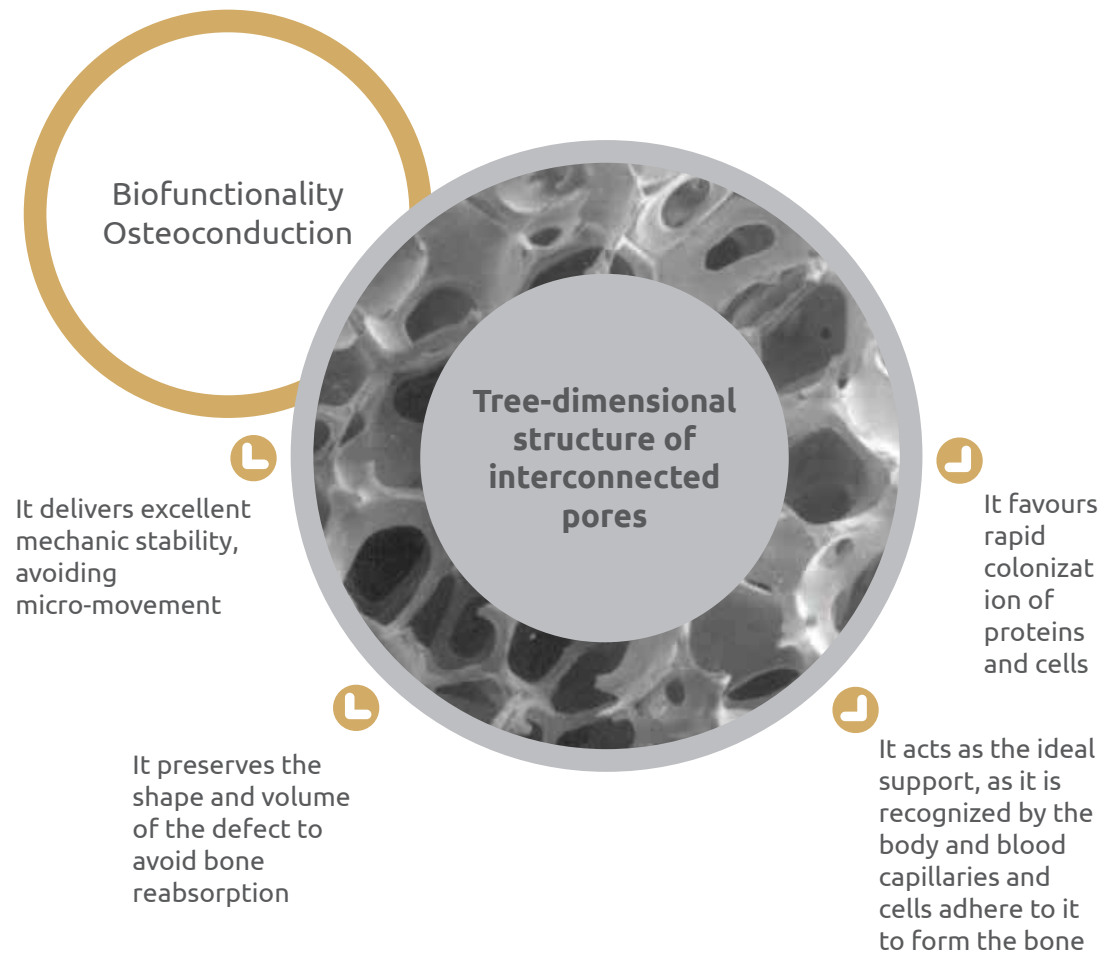


KeraOs SEM Micrograph

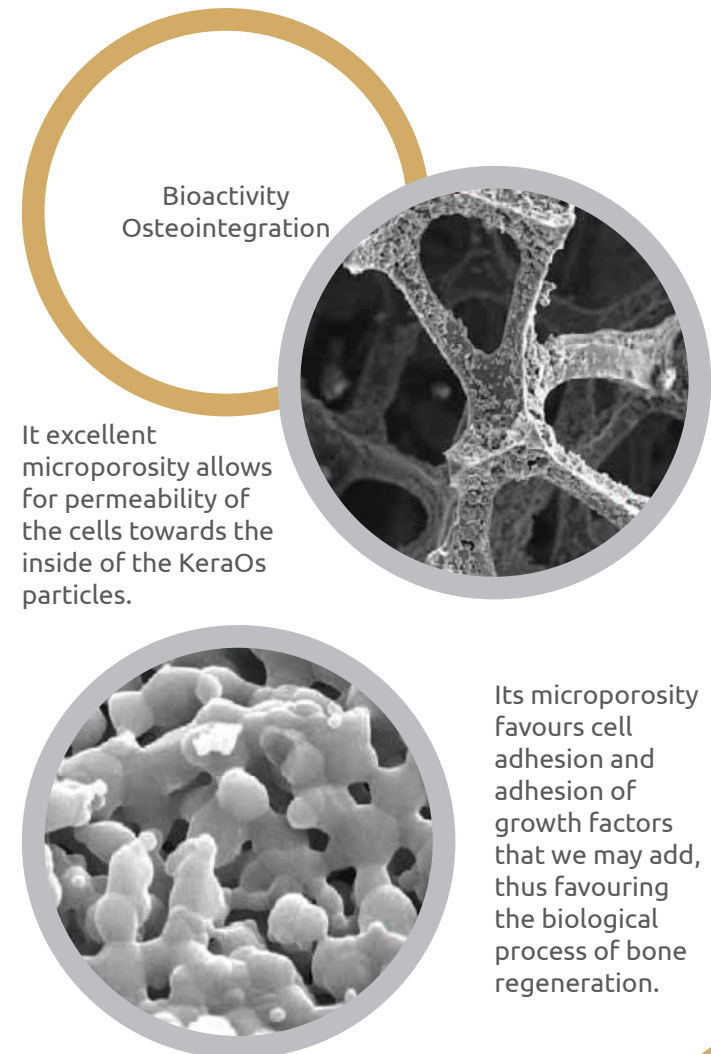


Human Cortical Bone Micrograph

CHARACTERISTICS AND BENEFITS

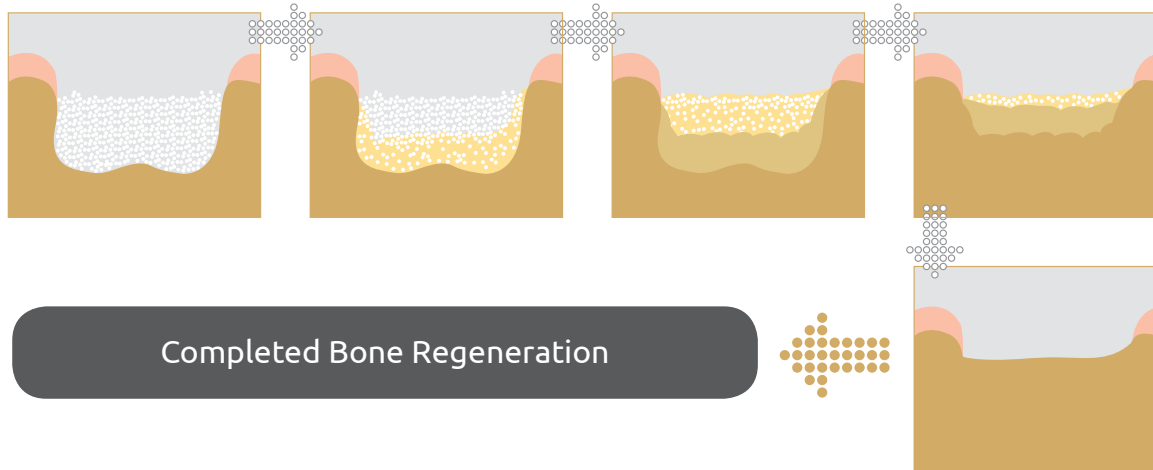


EXCELLENT MACROPOROSITY AND HIGH MICROPOROSITY

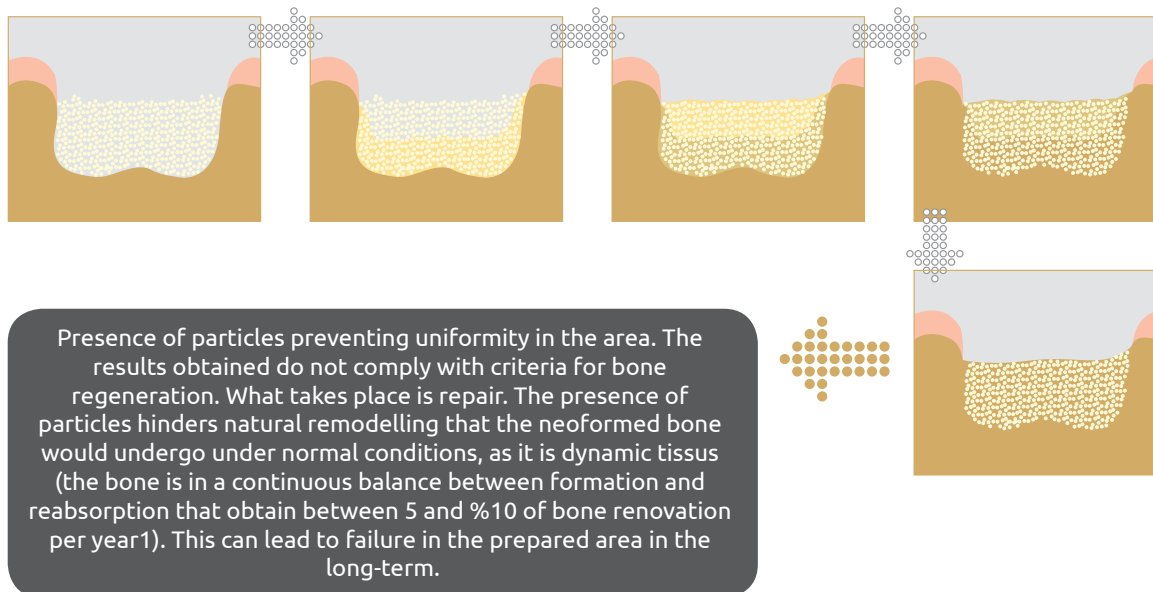


COMPOSITION

KeraOs



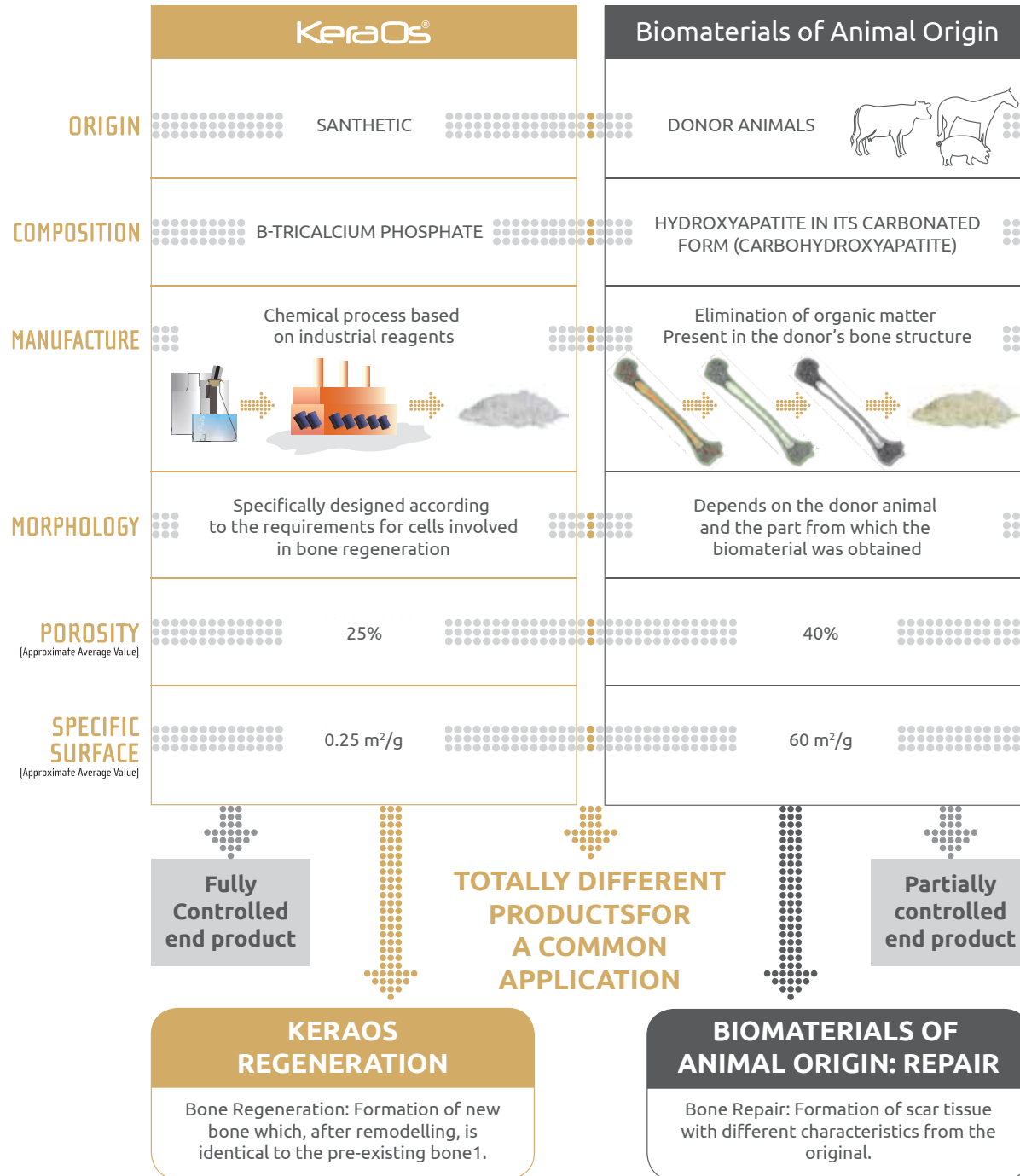
Biomaterials of Animal Origin



Although B-tricalcium phosphate and hydroxyapatite belong to the group of calcium phosphates (which means they have a similar chemical composition), their behavior “in vivo” is very different. Under physiological conditions and regardless of origin (natural or synthetic), hydroxyapatite is almost insoluble, whereas B-tricalcium phosphate is easily replaced by bone^{2,3}. Grafts of animal origin have a higher content of hydroxyapatite and release a much smaller amount of calcium than grafts of B-tricalcium phosphate, which makes stimulation of bone remodeling more difficult⁴.

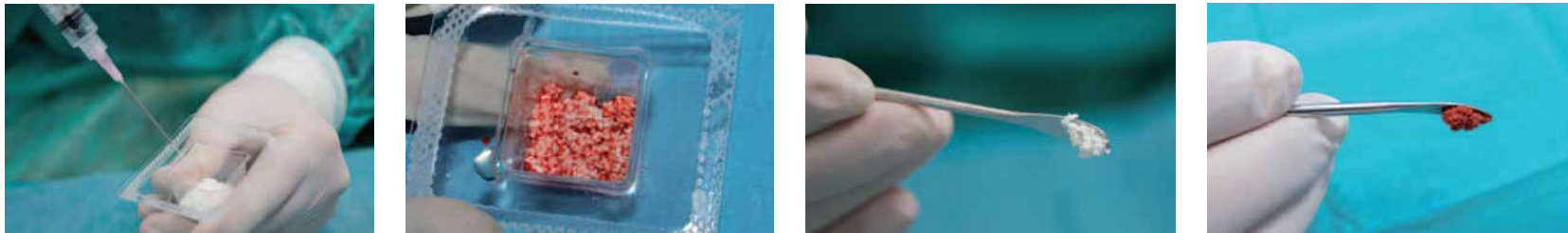
Ten-year studies show the presence of hydroxyapatite particles in areas originally grafted with bio-materials of animal origin⁵, which makes the writers think that hydroxyapatite is a bio-stable material and almost bioinert^{6,7}, whereas B-tricalcium phosphate is completely bioreplaced^{2,3}.

NOT ALL BIOMATERIALS ARE THE SAME



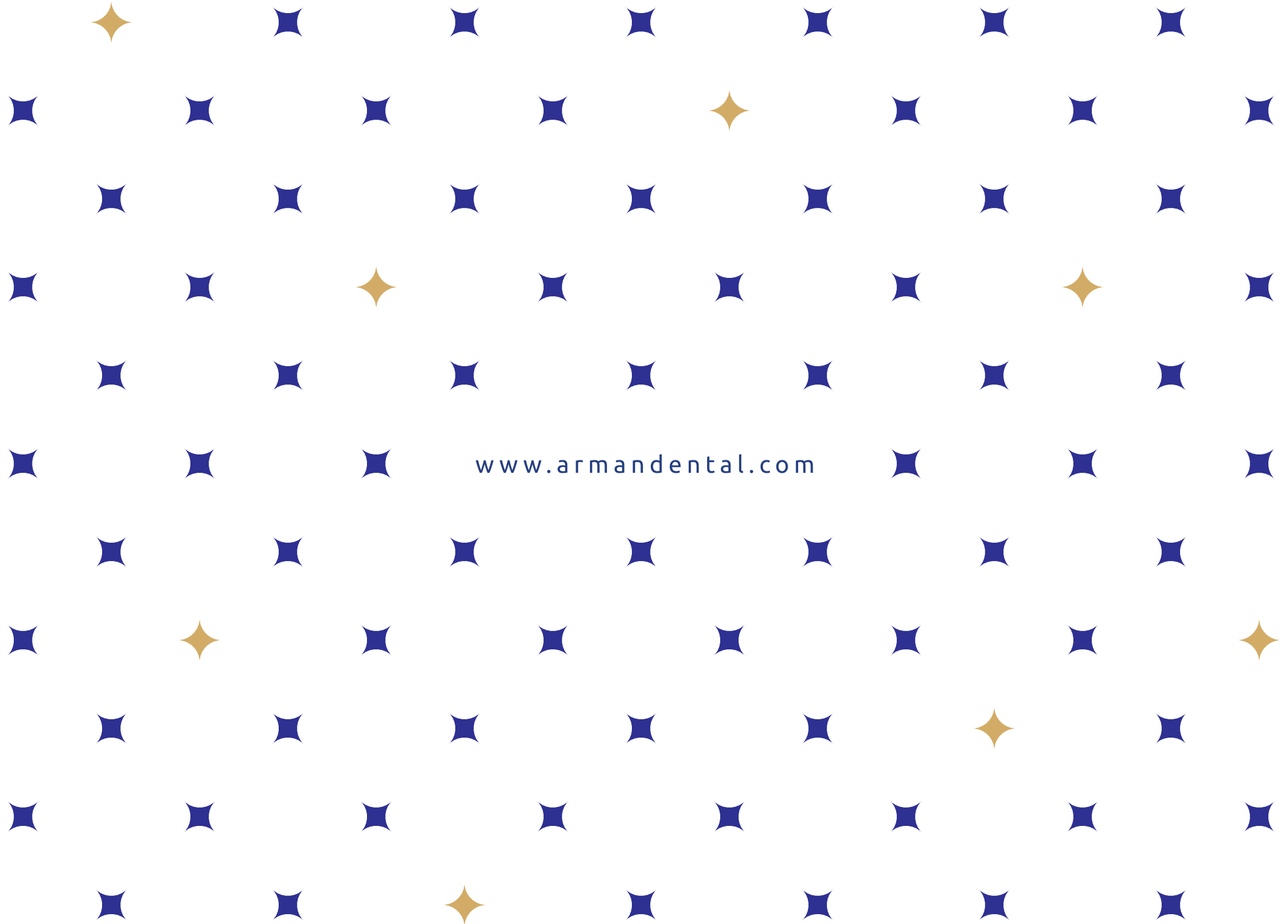
EFFECTIVE BONE REGENERATION

- 1 KeraOs is recommended to be used as a bone void filler. It has load responsibilities, so it must be carefully handled.
- 2 Due to its granulated nature, it is recommended to mix KeraOs granules, when used, with patient's blood or, otherwise, with physiological saline, with the aim of avoiding its dispersion at the grated site. Its high hydrophilic capacity makes that, one humidified (with blood or saline), KeraOs granules are agglomerated, which makes easier its handing and enables its modelling in-situ at the defect site.



- 3 Mixing the product with patient's blood allows, apart from getting the agglomeration of the granules, to add the biomaterial, and, therefore, to the bony defect, the biological factors needed for the development of the bone regeneration process since it facilitates and accelerates the colonization by osteoproliferative cells.
- 4 Bed must be properly ready. Any of mixtures mentioned before must be got in touch with healthy and vascularized bone avoiding that it keeps in touch with scraps of ligament, granulation tissue with suspected contamination.
- 5 KeraOs handling, or its mixture, must be done with sterile material.
- 6 KeraOs mixture with blood, saline and other agents that favours bone regeneration (PRP; PRGF) must be directly done in the blister pack in which the product is contained. Since it has been especially designed to be used as Dappen glass. This way of mixing guarantees the required conditions of sterility. This guarantee cannot be produced if KeraOs is transvased to another container.
- 7 When KeraOs is placed, the excessive compaction of the biomaterial must be avoided. The vascularization at the whole grated area must be assured.
- 8 Whenever it is possible, primary stability of the implant must be assured. For that, it is recommended to use, if needed, GBR elements (guided bone regeneration). In those cases in which it is needed, a collagen membrane may be used, and this will not interfere in KeraOs activity.





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