Dental Implant Catalog
2017
Implantology made simple
Medical Systems and Devices International Ltd. is a leading company in the dental industry. Based in Israel, MSDI provides premium products at affordable prices to meet the high standards of the dental industry. With over 15 years of experience in the market, MSDI thrives to perfection in both quality assurance and customer services. MSDI believes in easy-to-use, yet successful, top of the line system & products. While the system is simple even for new users it offers full prosthetic solution. With a large variety of premium products and satisfied customers around the world, MSDI is the best choice for your patients and for you.

Factory
Medical Systems and Devices International Ltd. combines extensive knowledge base together with creative engineering. MSDI constantly researching and developing new innovative implant systems using the most up to date technologies and experienced engineers, thus ensuring outstanding quality, cost effective products and excellent services which put MSDI as a leading dental supplier in the world.

Quality
Mdsi Dental Implants are manufactured in a fully automatic CNC process 24 hours a day, 7 days a week, through holidays and vacations. Once the Implants are ready, they go through several stages of preparations. The implants are washed thoroughly and are cleaned of oil and other potential contaminators. When the implants are ready they are sent to a special SLA surface treatment process. The final stage is the packaging and sterilization process. The packaging is done in a special clean room with strict behavior codes and environmental control. The sterilization is done in a special Gamma Irradiation process at Sor-Van, the one and only leading facility in Israel. MSDI is obligated to the most promising levels of production, allowing its customers to establish long-term successful business co operations.
Internal Hexagon Connection

Conical Connection Implant

Internal Hexagon Connection
Spiral Implant

The Spiral implant by MSDI is especially designed for implantation in a wide range of bone types and bone augmentation procedures. The Spiral implant excellent self-drilling capabilities are the result of years of experience and research. The implant system connection is based on the well-researched and widely-used Internal Hex system, it features high precision, mechanical strength and simplicity.

Spiral Implant Features:
- Internal Hex connection
- Excellent durability and precision
- Platform shifting
- Easy to use
- Tapered Self-drilling body
- Great Stability

Technical Information:
- Implant System: Internal Hex System
- Material: Ti-6Al-4V (Titanium grade 5)
- Surface treatment: SLA - Sand blast, double etched in acid
- Sterilization: Gamma irradiation
- Packaging: Blister

Technical Information:
- Implant System: Internal Hex System
- Material: Ti-6Al-4V (Titanium grade 5)
- Surface treatment: SLA - Sand blast, double etched in acid
- Sterilization: Gamma irradiation
- Packaging: Blister

Drilling Sequence
- throughout entire implant's length
- drill only through cortical plate in case of hard bone (type I or II) wide cortical plate

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Sinus Stopper Implant

The MSDI Safe Sinus Stopper Implant is a special patent implant designed for a safe use in a depth small bone.

The implant has a stopper at its coronal part which prevents it from sinking on one hand and stabilizes it in the patient’s mouth on the other hand.

The round shape of its apex protects the sensitive anatomical area and its deep threads increase the integration with the bone.

The Safe implant has been successfully used by many doctors around the world:

- Internal Hex connection.
- Unique Sinus Stopper on the coronal part.
- Excellent durability and precision.
- Easy to use.
- Great Stability

### Length

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### Drilling Sequence

- Ø2.0
- Ø2.5
- Ø2.8
- Ø3.2
- Ø3.65
- Ø4.2
- Ø4.8
- Ø5.2
- Ø5.8

- throughout entire implant’s length
- drill only through cortical plate in case of hard bone (type I or II) wide cortical plate

Implantology, Internal Hexagon System
### Healing Abutments

**Standard Healing Abutment**

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<thead>
<tr>
<th>Height</th>
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**Wide Healing Abutment**

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### Cement Retained

**Straight Titanium Abutments**

**Standard Abutment**

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<thead>
<tr>
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<td>SA7</td>
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**Standard Abutment with shoulder**

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<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
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<td>SSA3</td>
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**Wide Abutment**

<table>
<thead>
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<td>Code</td>
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**Wide with shoulder**

<table>
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<th>13 mm</th>
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### Angled Titanium Abutments

**Angled Abutment 15°**

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**Standard with shoulder**

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<th>13 mm</th>
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**Angled Abutment 25°**

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**Standard with shoulder**

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<td>Cuff</td>
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<td>2 mm</td>
<td>3 mm</td>
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</tr>
<tr>
<td>Code</td>
<td>AA25s1</td>
<td>AA25s2</td>
<td>AA25s3</td>
<td>AA25s4</td>
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</table>

### Zirconia Abutments

**Standard Platform**

The ideal esthetic solution - unique anatomic design and natural translucency. Very similar to a natural tooth. The combined structure of Zirconia and Titanium base makes them as strong as titanium abutments. Advanced solution for rehabilitation on implants for total edentulous.

**Straight Anatomic Zirconia Abutment**

<table>
<thead>
<tr>
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<th>1 mm</th>
<th>2 mm</th>
<th>3 mm</th>
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**Angled Anatomic Zirconia Abutment**

<table>
<thead>
<tr>
<th>Cuff</th>
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<th>4 mm</th>
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<td>AZA2</td>
<td>AZA3</td>
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</table>
Casting Abutment

Plastic Abutment with metal base

- Code: CA-mtb

Plastic Abutment with hex

- Code: CA-red

Anti Rotational - used for custom casting restorations on single or multiple implants

Plastic Abutment without hex

- Code: CA-white

Rotational - used for custom casting restorations on multiple implants

Impression

Analog

Standard Analog

- Code: AN

Analog - Standard - designed to use with all implant diameters.

Wide Analog

- Code: WAN

Analog - Wide - designed to use for Ø5.0 and Ø6.0 implants

Transfer

Impression Transfer - used for taking impression at the implant level.

Closed Tray Implant Transfer

- Code: CT

Open Tray Implant Transfer

- Code: CT

Click Transfer

- Code: KT

Overdenture

Titanium Ball Attachment

Ball Attachment

<table>
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<tr>
<th>Length</th>
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<th>2 mm</th>
<th>3 mm</th>
<th>4 mm</th>
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<td>BA4</td>
<td>BA5</td>
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Metal Housing

- Code: BMH

Silicon Cap

- Code: BSC

MS-lock

The MS-lock overdenture system is designed for use with full or partial dentures.

MS-lock

<table>
<thead>
<tr>
<th>Length</th>
<th>1 mm</th>
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<th>3 mm</th>
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<tbody>
<tr>
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<td>LOCK4</td>
<td>LOCK5</td>
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<td>LOCK7</td>
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</table>

Metal Housing

- Code: LOCKC

Plastic Ring

- Code: LOCKPC

Silicon Cap - white

- Code: LOCKWC

Silicon Cap - transparent

- Code: LOCKTC

Silicon Cap - orange

- Code: LOCKOC
Multi Unit System
Straight Multi Unit System

Straight Multi Unit

<table>
<thead>
<tr>
<th>Size</th>
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<th>2 mm</th>
<th>3 mm</th>
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<tbody>
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<td>MUA3</td>
<td>MUA4</td>
<td>MUA5</td>
<td>MUA6</td>
</tr>
</tbody>
</table>

- MUA Carrier: MUA1
- Plastic Sleeve: MUA2
- Titanium Sleeve: MUA3
- Transfer: MUA4
- Mua Screw: MUA5
- Analog: MUA6

Angled multi unit System 18°/30°

Straight Multi Unit

<table>
<thead>
<tr>
<th>Code</th>
<th>A-MUA 18/30</th>
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</table>

- Plastic Sleeve: A-MUAP
- Titanium Sleeve: A-MUTS
- Transfer: A-MUATR
- Mua Screw: A-MUAS
- Analog: A-MUAN
Conical Connection Implant

The Conical implant is a Special designed implant with high primary stability in demanding situations, such as soft bone or extraction sockets.

Conical connection + internal Hexagon
The combination of the conical connection along with the famous hexagonal interlocking creates high mechanical strength. Therefore ensures stability and smooth restoration process.

The internal hexagon disables the need for special surgical instruments, allowing easy implementation and requires nothing but a standard surgical kit.

Diversification
The conical connection implant system offers Regular and Narrow platform.
The Regular platform (4.3/5.0) is designed for posterior cases which require wider base, therefore offers to opportunity to achieve a natural molar emergence profile.

Surface Treatment
MSDI implants are SLA treated. (Sand blasted and acid etched). SLA has been proven successful over the years, eliminating various contaminants. Furthermore it maintains high stability during healing process and promotes long-term success.

Platform Shifting
Platform shifting keeps the implant-abutment connection away from the bone, thus minimizing bone resorption, allowing vital growth of the soft tissue.

In the end, it’s all about the final results. The coronal design and the platform shifting are designed to optimize bone and soft tissue volume for natural looking esthetics.

Surgical And Prosthetic Benefits:
- Fully compatible with Nobel Active Implant
- Excellent Sensibility during placement
- High stability restorations
- Fast Insertion and excellent primary stability
- Platform Switching
- Self-Drilling

Technical information:
- Conical connection implant: Conical Internal Hex
- Material: Ti-6Al-4V (Titanium grade 5)
- Surface treatment: SLA - sand blast, double etched in acid
- Sterilization: by gamma irradiation
- Packaging: in a double tube vial

Conical Prosthetics

<table>
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<tr>
<th>Length</th>
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<th>RP 4.3 (mm)</th>
<th>RP 5.0 (mm)</th>
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<tr>
<td>13</td>
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<td>CONI513</td>
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Noris3.5  Noris4.3  Noris5.0

Healing abutment
NP/RP code: C1H1 / C1R1

Straight Abutment
NP/RP code: C2A1 / C2A2

Angled 15° Abutment
NP/RP code: C2A3 / C2A4

Transfer open tray
NP/RP code: CTR1 / CTR2

Driver
code: CD1

Plastic Abutment
code: CPA

Analog NP/RP
code: C2A5 / C2A6

Mua Screw
code: A-MUAS
The slim implant by MSDI is a unique narrow implant. It is mainly used in sensitive cases of narrow crest or in between two close implants. It may also be used for immediate loading.

The Slim implant connection is internal hexagon of smaller diameter. It features high precision, mechanical strength and simplicity:

- 2.0 mm Internal Hex connection
- Suitable for immediate loading
- Excellent durability and precision
- Easy to use
- Tapered Self drilling body
- Great Stability

Drilling Sequence

- Ø2.9 throughout entire implant’s length
- Ø2.5 drill only through cortical plate in case of hard bone (type I or II) wide cortical plate

Slim Prosthetics

- Abutment code: SMI2910
- Healing Abutment code: SMI2911
- Analog code: SMI2912
- Transfer code: SMI2913
- Driver code: SMI2914
- Plastic Sleeve code: SMI2915
Surgical Instruments

Drills

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<td>Ø2.5 Short 20mm</td>
<td>MM25S</td>
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<tr>
<td>Ø1.25 Long 28mm</td>
<td>MM1 2L</td>
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<tr>
<td>Ø2.5 Long 28mm</td>
<td>MM25L</td>
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Motor Mount Driver

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<tbody>
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<td>MM1 2S</td>
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<tr>
<td>Ø2.5 Short 20mm</td>
<td>MM25S</td>
</tr>
<tr>
<td>Ø1.25 Long 28mm</td>
<td>MM1 2L</td>
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<tr>
<td>Ø2.5 Long 28mm</td>
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Prosthetic Hex Driver

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Implant Hex Driver

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<tr>
<td>Ø2.5 Long 15mm</td>
<td>ID25L</td>
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Parallel Pin

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Ratchet

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Hand Hex Driver

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External Hex Surgical Screw Driver

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Depth Probe

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Surgical Screw Driver

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Surgical K

Premium quality plastic kit, made in Italy

The kit contains:
- 7 x drills - external irrigation
- 1 x drill extender
- 1 x Ratchet wrench
- 1 x implant hex driver
- 1 x prosthetic hex driver
- 1 x manual prosthetic hex driver
- 1 x motor mount for implant
- 1 x motor mount for abutment
- 1 x drill extender

code: SK
Drills Stopper Kit

Unique kit with 35 drills with stoppers, a must have kit for beginners and experts.

Both kit and drills are made in Italy by the best surgical tools manufacturers in the world.

Sinus Lift Kit with Stoppers

The kit contains:
- 6 Burs with stoppers in different heights: 5.0mm / 6.0mm / 7.0mm / 8.0mm / 9.0mm / 10.0mm
- Unique Suction + Adapter
- Curette

The kit advantage:
- Saving time thorough surgery
- A VERY SAFE mucosa exposure
- A unique Suction allows direct examination of the Mucosa
- Patient’s comfort - replacing the hammering osteotomes