

medartis

PRECISION IN FIXATION

SURGICAL TECHNIQUE

Bone Fixation System 0.9/1.2, 1.5



MODUS

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For further information regarding the MODUS product line visit www.medartis.com

Introduction

Product Materials

| Product | Material |
|-------------|--|
| Screws | Pure Titanium, titanium alloy |
| Instruments | Stainless steel (handles: silicone), PEEK, aluminum, titanium, Nitinol |
| Containers | Stainless steel, aluminum, PEEK, polyphenylsulfone, polyurethane, silicone |

Indications

MODUS

Maxillofacial fractures, osteotomies and reconstructive procedures

- 0.9/1.2; 1.5 Bone Fixation System
- fixation and stabilization of bone grafts for alveolar ridge augmentation and for temporary stabilization and fixation of barrier membranes used in guided bone regeneration

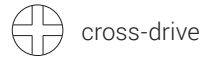
Contraindications

- Preexisting or suspected infection at or near the implantation site
- Known allergies and/or hypersensitivity to implant materials
- Inferior or insufficient bone quality to securely anchor the implant
- Patients who are incapacitated and/or uncooperative during the treatment phase
- Blocking of growth plates with plates and screws

Color Coding

| System Size | Color Code |
|-------------|------------|
| 0.9 | Red |
| 1.2 | Red |
| 1.5 | Green |

Symbols



Instrument Application

General Instrument Application

Drilling

Color-coded twist drills are available for every MODUS system size.

| System Size | Color Code |
|-------------|------------|
| 0.9 | Red |
| 1.2 | Red |
| 1.5 | Green |

Core Hole Drills

Drills for screws \varnothing 0.9 mm

| Dental | Drill stop |
|-----------------------------------|------------|
| two red rings and one yellow ring | |

| | |
|--------|------|
| M-3121 | 8 mm |
|--------|------|

Drill \varnothing 0.75 mm

| Dental | Drill stop |
|-----------------------------------|------------|
| two red rings and one yellow ring | |

| | |
|--------|-------|
| M-3411 | 12 mm |
|--------|-------|

Drill \varnothing 0.75 mm



M-3121



M-3411

Drills for screws \varnothing 1.2 mm

| Dental | Drill stop |
|----------------|------------|
| four red rings | |

| | |
|--------|--|
| M-3351 | |
|--------|--|

| | |
|----------------------------|------|
| Drill \varnothing 1.0 mm | 8 mm |
|----------------------------|------|

| Dental | Drill stop |
|----------------|------------|
| four red rings | |

| | |
|--------|-------|
| M-3421 | 16 mm |
|--------|-------|

Drill \varnothing 1.0 mm



M-3351



M-3421

Drills for screws \varnothing 1.5 mm

| Dental | Drill stop |
|---------------|-------------------|
|---------------|-------------------|

| | |
|-----------------|--|
| two green rings | |
|-----------------|--|

| | |
|--------|------|
| M-3222 | 9 mm |
|--------|------|

Drill \varnothing 1.2 mm



| Dental | Drill stop |
|---------------|-------------------|
|---------------|-------------------|

| | |
|-------------------------------------|--|
| two green rings and one yellow ring | |
|-------------------------------------|--|

| | |
|--------|-------|
| M-3292 | 16 mm |
|--------|-------|

Drill \varnothing 1.25 mm



Gliding Hole Drills

Drill for screws \varnothing 0.9 mm

| Dental | Drill stop |
|---------------|-------------------|
|---------------|-------------------|

| | |
|----------------|--|
| four red rings | |
|----------------|--|

| | |
|--------|--|
| M-3351 | |
|--------|--|

| | |
|----------------------------|------|
| Drill \varnothing 1.0 mm | 8 mm |
|----------------------------|------|



Drill for screws \varnothing 1.2 mm

| Dental | Drill stop |
|---------------|-------------------|
|---------------|-------------------|

| | |
|-------------------------------------|--|
| two green rings and one yellow ring | |
|-------------------------------------|--|

| | |
|--------|-------|
| M-3292 | 16 mm |
|--------|-------|

Drill \varnothing 1.25 mm



Drill for screws \varnothing 1.5 mm

| Dental | Drill stop |
|---------------|-------------------|
|---------------|-------------------|

| | |
|-------------------|--|
| three green rings | |
|-------------------|--|

| | |
|--------|-------|
| M-3302 | 20 mm |
|--------|-------|

Drill \varnothing 1.5 mm



Screw Pick-Up

The appropriate screwdriver must be chosen for the corresponding screw diameter. 0.9/1.2 mm screws feature a cross-drive connection screwdriver with a tension sleeve for screw retention. 1.5 mm screws can either be used with a screwdriver featuring the patented selfholding technology HexaDrive or with a cross-drive screwdriver in combination with a tension sleeve for screw retention.

Cross-drive screws with tension sleeve

To remove the screws from the implant container, insert the appropriate screwdriver blade (M-2511 for 0.9/1.2 mm screws, M-2512 for 1.5 mm screws) perpendicularly into the screw head of the desired screw.

Slide the tension sleeve (M-2551 for 0.9/1.2 mm screws, M-2552 for 1.5 mm screws) forward to secure the screw.

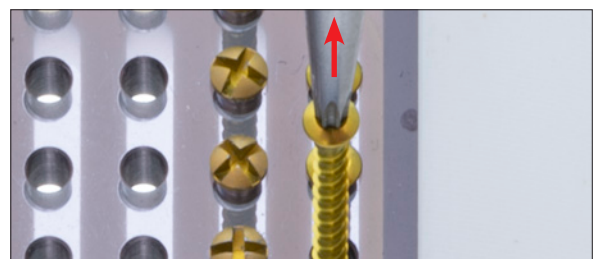
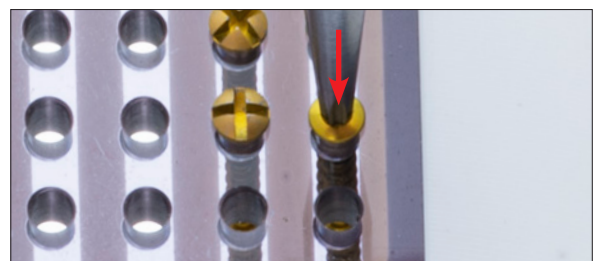
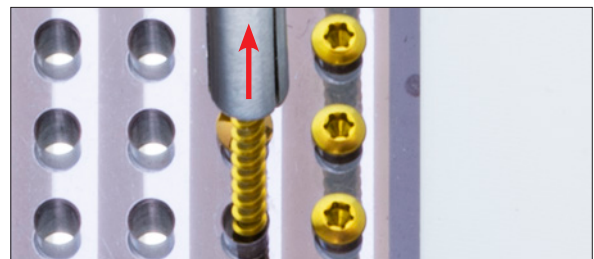
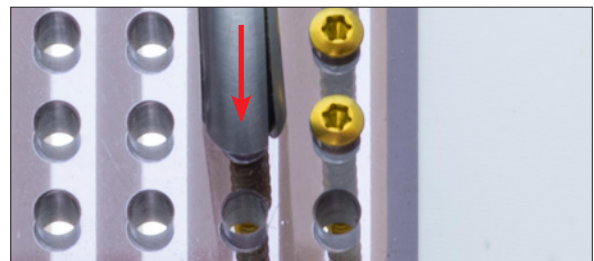
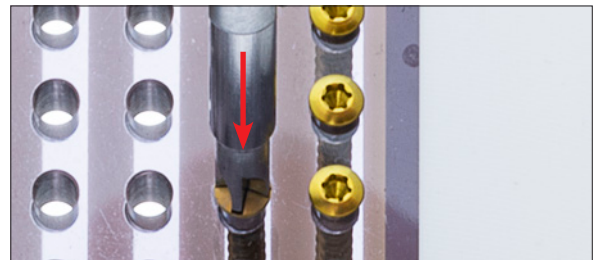
Pick up the screw from the screw container.

1.5 mm HexaDrive screws

To remove the screws from the implant container, insert the screwdriver blade (M-2662) perpendicularly into the screw head of the desired screw and pick up the screw with axial pressure.

Caution

Vertically extract the screw from the compartment. Picking up the screw repeatedly may lead to permanent deformation of the self-retaining area of the HexaDrive inside the screw head. Therefore, the screw may no longer be able to be picked up correctly. In this case, a new screw has to be used.



Explantation

Explantation of Cortical Screws

Use the appropriate screwdrivers to remove the screws to explant MODUS implants. It is recommended that the implants are removed by using only original MODUS instruments.

Caution

When removing the screws, ensure that any bone ingrowth in the screw head has been removed, that the screwdriver/screw head connection is aligned in axial direction, and that a sufficient axial force is used between blade and screw.

Implants, Instruments and Containers

0.9 Cortical Screws, Cross-Drive

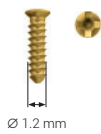
Material: Titanium (ASTM F67)



| Length | Art. No. | Piece/Pkg | Art. No. | Piece/Pkg |
|--------|---------------|-----------|-----------|-----------|
| 5 mm | M-5100.05/1 | 1 | M-5100.05 | 5 |
| 6 mm | M-5100.06/1 | 1 | M-5100.06 | 5 |
| 7 mm | M-5100.07 / 1 | 1 | M-5100.07 | 5 |
| 8 mm | M-5100.08 / 1 | 1 | M-5100.08 | 5 |
| 9 mm | M-5100.09 / 1 | 1 | M-5100.09 | 5 |
| 10 mm | M-5100.10 / 1 | 1 | M-5100.10 | 5 |

1.2 Cortical Screws, Cross-Drive

Material: Titanium (ASTM F67)



| Length | Art. No. | Piece/Pkg | Art. No. | Piece/Pkg |
|--------|---------------|-----------|-----------|-----------|
| 5 mm | M-5110.05/1 | 1 | M-5110.05 | 5 |
| 6 mm | M-5110.06/1 | 1 | M-5110.06 | 5 |
| 8 mm | M-5110.08 / 1 | 1 | M-5110.08 | 5 |
| 10 mm | M-5110.10 / 1 | 1 | M-5110.10 | 5 |
| 12 mm | M-5110.12 / 1 | 1 | M-5110.12 | 5 |
| 14 mm | M-5110.14 / 1 | 1 | M-5110.14 | 5 |

1.5 Cortical Screws, Cross-Drive

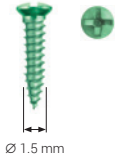
Material: Titanium (ASTM F67)



| Length | Art. No. | Piece/Pkg | Art. No. | Piece/Pkg |
|--------|---------------|-----------|-----------|-----------|
| 5 mm | M-5120.05 / 1 | 1 | M-5120.05 | 5 |
| 6 mm | M-5120.06 / 1 | 1 | M-5120.06 | 5 |
| 7 mm | M-5120.07 / 1 | 1 | M-5120.07 | 5 |
| 8 mm | M-5120.08 / 1 | 1 | M-5120.08 | 5 |
| 9 mm | M-5120.09 / 1 | 1 | M-5120.09 | 5 |
| 10 mm | M-5120.10 / 1 | 1 | M-5120.10 | 5 |
| 12 mm | M-5120.12 / 1 | 1 | M-5120.12 | 5 |
| 14 mm | M-5120.14 / 1 | 1 | M-5120.14 | 5 |
| 16 mm | M-5120.16 / 1 | 1 | M-5120.16 | 5 |

1.5 SpeedTip Screws, Self-Drilling, Cross-Drive

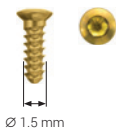
Material: Titanium Alloy (ASTM F136)



| Length | Art. No. | Piece / Pkg | Art. No. | Piece / Pkg |
|--------|---------------|-------------|-----------|-------------|
| 5 mm | M-5121.05 / 1 | 1 | M-5121.05 | 5 |
| 6 mm | M-5121.06 / 1 | 1 | M-5121.06 | 5 |
| 7 mm | M-5121.07 / 1 | 1 | M-5121.07 | 5 |
| 9 mm | M-5121.09 / 1 | 1 | M-5121.09 | 5 |

1.5 Cortical Screws, HexaDrive 4

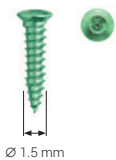
Material: Titanium Alloy (ASTM F136)



| Length | Art. No. | Piece/Pkg | Art. No. | Piece/Pkg |
|--------|---------------|-----------|-----------|-----------|
| 5 mm | M-5220.05 / 1 | 1 | M-5220.05 | 5 |
| 6 mm | M-5220.06 / 1 | 1 | M-5220.06 | 5 |
| 7 mm | M-5220.07 / 1 | 1 | M-5220.07 | 5 |
| 8 mm | M-5220.08 / 1 | 1 | M-5220.08 | 5 |
| 9 mm | M-5220.09 / 1 | 1 | M-5220.09 | 5 |
| 10 mm | M-5220.10 / 1 | 1 | M-5220.10 | 5 |
| 11 mm | M-5220.11 / 1 | 1 | M-5220.11 | 5 |
| 12 mm | M-5220.12 / 1 | 1 | M-5220.12 | 5 |
| 13 mm | M-5220.13 / 1 | 1 | M-5220.13 | 5 |
| 14 mm | M-5220.14 / 1 | 1 | M-5220.14 | 5 |
| 16 mm | M-5220.16 / 1 | 1 | M-5220.16 | 5 |

1.5 SpeedTip Screws, Self-Drilling, HexaDrive 4

Material: Titanium Alloy (ASTM F136)



| Length | Art. No. | Piece / Pkg | Art. No. | Piece / Pkg |
|--------|---------------|-------------|-----------|-------------|
| 5 mm | M-5223.05 / 1 | 1 | M-5223.05 | 5 |
| 6 mm | M-5223.06 / 1 | 1 | M-5223.06 | 5 |
| 7 mm | M-5223.07 / 1 | 1 | M-5223.07 | 5 |
| 9 mm | M-5223.09 / 1 | 1 | M-5223.09 | 5 |

Twist Drills for Screws \varnothing 0.9 mm (Core Hole 0.9 Screws)

M-3121



M-3411

| Art. No. | \varnothing | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|---------------|-------|--------|-----------------|-----------|
| M-3121 | 0.75 | 8 mm | 37 mm | Dental | 1 |
| M-3411 | 0.75 | 12 mm | 37 mm | Dental | 1 |

Twist Drill for Screws \varnothing 0.9 mm (Gliding Hole 0.9 Screws)

M-3351

| Art. No. | \varnothing | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|---------------|------|--------|-----------------|-----------|
| M-3351 | 1.0 | 8 mm | 37 mm | Dental | 1 |

Twist Drills for Screws \varnothing 1.2 mm (Core Hole 1.2 Screws)

M-3351



M-3421

| Art. No. | \varnothing | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|---------------|-------|--------|-----------------|-----------|
| M-3351 | 1.0 | 8 mm | 37 mm | Dental | 1 |
| M-3421 | 1.0 | 16 mm | 37 mm | Dental | 1 |

Twist Drill for Screws \varnothing 1.2 mm (Gliding Hole 1.2 Screws)

M-3292

| Art. No. | \varnothing | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|---------------|-------|--------|-----------------|-----------|
| M-3292 | 1.25 | 16 mm | 37 mm | Dental | 1 |

Twist Drills for Screws Ø 1.5 mm (Core Hole 1.5 Screws)



M-3222



M-3292

| Art. No. | Ø | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|------|-------|--------|-----------------|-----------|
| M-3222 | 1.2 | 9 mm | 37 mm | Dental | 1 |
| M-3292 | 1.25 | 16 mm | 37 mm | Dental | 1 |

Twist Drill for Screws Ø 1.5 mm (Gliding Hole 1.5 Screws)



M-3302

| Art. No. | Ø | Stop | Length | Drill Shaft End | Piece/Pkg |
|----------|-----|-------|--------|-----------------|-----------|
| M-3302 | 1.5 | 20 mm | 37 mm | Dental | 1 |

Screwdriver 0.9 / 1.2 (Single Components)



M-2551



M-2501



M-2511

| Art. No. | Interface | Description | Length | Piece / Pkg |
|----------|-----------|------------------------------|--------|-------------|
| M-2551 | | tension sleeve for M-2511 | | 1 |
| M-2501 | | screwdriver handle | | 1 |
| M-2511 | | screwdriver blade for M-2551 | 57 mm | 1 |

Screwdriver 1.5 (Single Components)



M-2552



M-2502



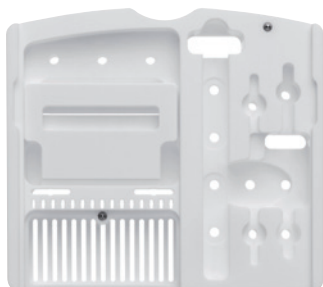
M-2662



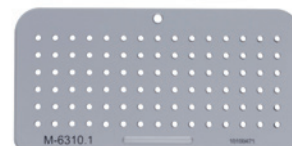
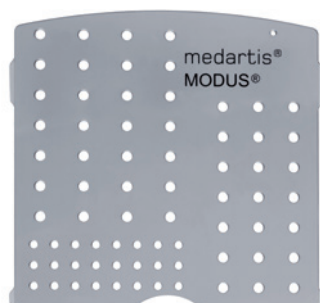
M-2512

| Art. No. | Interface | Description | Length | Piece / Pkg |
|----------|-----------|---------------------------------|--------|-------------|
| M-2552 | | tension sleeve for M-2512 | | 1 |
| M-2502 | | screwdriver handle | | 1 |
| M-2662 | | screwdriver blade, self-holding | 69 mm | 1 |
| M-2512 | | screwdriver blade for M-2552 | 69 mm | 1 |

Container



M-6310



M-6310.1

| Art. No. | Description | Dimension (W x L) | Piece / Pkg |
|----------|----------------------------------|-------------------|-------------|
| M-6310 | empty container inkl. Lid | 118 x 130 mm | 1 |
| M-6310.1 | screw rack for 0.9/1.2 mm screws | 34 x 68 mm | 1 |
| M-6310.2 | screw rack for 1.5 mm screws | 34 x 68 mm | 1 |

Sticker, Large

1.2 M-5110.xx

| Art. No. | Description | Color | Quantity |
|-----------|---------------|-------|----------|
| M-6571.01 | 1.2 M-5110.xx | red | 1 |
| M-6571.02 | 0.9 M-5100.xx | red | |

Sticker, Large

1.5 M-5220.xx

| Art. No. | Description | Color | Quantity |
|-----------|---------------|-------|----------|
| M-6572.12 | 1.5 M-5120.xx | green | 1 |
| M-6572.14 | 1.5 M-5220.xx | green | 1 |
| M-6572.18 | 1.5 M-5121.xx | green | |
| M-6572.19 | 1.5 M-5223.xx | green | |

Sticker, Small



| Art. No. | Description | Color | Quantity |
|-----------|-------------|-------|----------|
| A-6095.05 | 5 | black | |
| A-6095.06 | 6 | black | |
| A-6095.07 | 7 | black | |
| A-6095.08 | 8 | black | 3 |
| A-6095.09 | 9 | black | |
| A-6095.10 | 10 | black | 3 |
| A-6095.11 | 11 | black | |
| A-6095.12 | 12 | black | 3 |
| A-6095.13 | 13 | black | |
| A-6095.14 | 14 | black | 3 |
| A-6095.16 | 16 | black | |

Articles available on request

M-5100.02
M-5100.02/1
M-5100.03
M-5100.03/1
M-5100.04
M-5100.04/1

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