



medartis®

PRECISION IN FIXATION

PRODUCT INFORMATION

MDO 2.0

MODUS®
Mandible

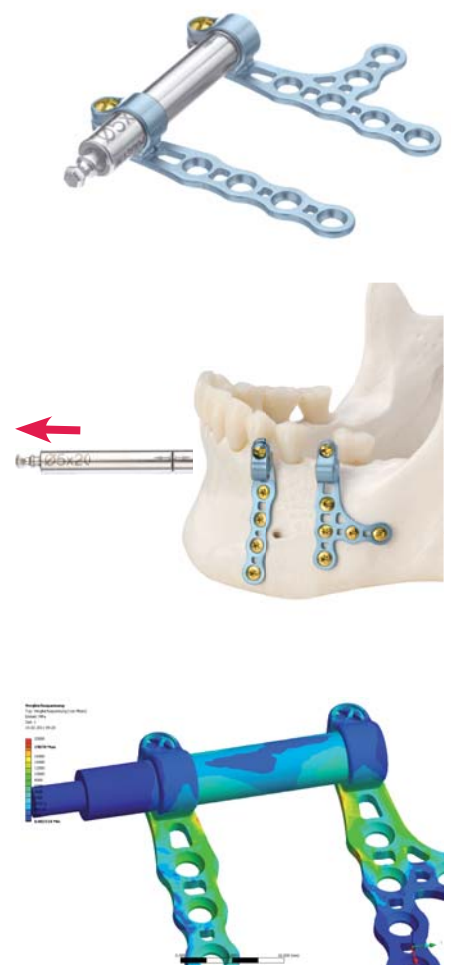
MDO* 2.0 Modular Distraction Osteogenesis System

The Medartis MDO 2.0 distraction system offers the user easy intraoperative handling. The system has an entirely modular design and the plates and distraction cylinders can be used together and assembled depending on the anatomical conditions. The osteotomy can be performed with a fully assembled distraction system; only the cylinder is removed temporarily. The adaption plates have double bars to permit optimal stability.

After subcutaneous or transmucosal fixation of the distractor, the distraction cylinders are easy to activate with rigid or flexible activation keys. If additional distraction distance is necessary, the same cylinder can be reset and reactivated.

Clinical benefits

- Both subcutaneous and transmucosal use possible
- Shorter surgery times and easy intraoperative handling - only the distraction cylinder (not the fixed plates) has to be removed for the osteotomy
- Large distraction distances possible - once the distraction length for a cylinder has been reached, the cylinder can be reset and distracted once again over its full length
- Easy cylinder activation using rigid or flexible distraction keys
- Lower incidence of soft tissue irritation due to rounded implant design
- Outstanding stability throughout the entire treatment period



Finite element diagram of a MODUS distractor

* MDO = 2.0 Modular Distraction Osteogenesis System

- Unrestricted combination of plates and distraction cylinders
- Simplified surgical technique and handling
- Integrated capability for extending the distraction distance

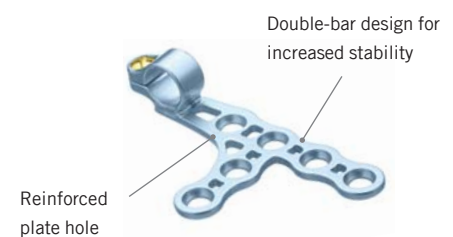
Plate Features

- Straight, T, and H plates, suitable for ramus, symphysis and corpus distraction
- Semi-rigid titanium for easy shaping
- Optimized bar geometry and plate holes in areas subject to severe stress
- Reinforced first plate hole after bracket
- Rounded edges for maximum soft tissue protection



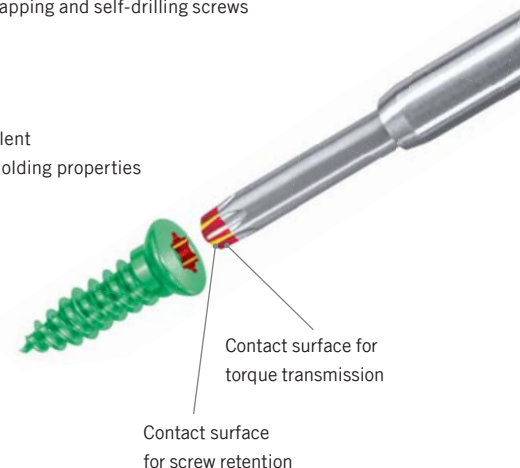
Screw Features

- Choice between cross-drive and HexaDrive screws – self-drilling and self-tapping screws
- HexaDrive technology – the optimal self-holding mechanism between screw and screwdriver for increased torque transmission
- Outstanding self-tapping characteristics and easy screw insertion thanks to a precise and sharp thread
- Enlarged screw core diameter at the end of the thread for increased shear strength
- Self-drilling SpeedTip screws with cross-drive or HexaDrive screw head design and patented thread for easy insertion with less force required



Self-tapping and self-drilling screws

Excellent self-holding properties



Ordering information

Implant Container
MODUS MDO 2.0, (empty)
Art. No. M-6363

Adaption Plates

Material: Titanium (ASTM F67), semi-rigid,
Plate thickness: 1.1 mm



Art. No.	Description	Holes	Piece/Pkg
M-4991	straight	4	1
M-4992	T, left	6	1
M-4993	T, right	6	1
M-4994	H	8	1



2.0 Cortical Screws, HexaDrive 6

Material: Titanium (ASTM F136)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
4 mm	M-5240.04/1	1	M-5240.04	5
5 mm	M-5240.05/1	1	M-5240.05	5
6 mm	M-5240.06/1	1	M-5240.06	5
7 mm	M-5240.07/1	1	M-5240.07	5
8 mm	M-5240.08/1	1	M-5240.08	5
9 mm	M-5240.09/1	1	M-5240.09	5
10 mm	M-5240.10/1	1	M-5240.10	5
11 mm	M-5240.11/1	1	M-5240.11	5
13 mm	M-5240.13/1	1	M-5240.13	5

2.0 Cortical Screws, Cross-Drive

Material: Titanium (ASTM F67)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
4 mm	M-5140.04/1	1	M-5140.04	5
5 mm	M-5140.05/1	1	M-5140.05	5
6 mm	M-5140.06/1	1	M-5140.06	5
7 mm	M-5140.07/1	1	M-5140.07	5
8 mm	M-5140.08/1	1	M-5140.08	5
9 mm	M-5140.09/1	1	M-5140.09	5
10 mm	M-5140.10/1	1	M-5140.10	5
11 mm	M-5140.11/1	1	M-5140.11	5
13 mm	M-5140.13/1	1	M-5140.13	5

2.3 Cortical Screws, HexaDrive 6 (emergency)

Material: Titanium (ASTM F136)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
5 mm	M-5250.05/1	1	M-5250.05	5
7 mm	M-5250.07/1	1	M-5250.07	5
9 mm	M-5250.09/1	1	M-5250.09	5

2.3 Cortical Screws, Cross-Drive (emergency)

Material: Titanium (ASTM F67)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
5 mm	M-5150.05/1	1	M-5150.05	5
7 mm	M-5150.07/1	1	M-5150.07	5
9 mm	M-5150.09/1	1	M-5150.09	5

2.0 SpeedTip Screws, Self-Drilling, HexaDrive 6

Material: Titanium (ASTM F136)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
5 mm	M-5243.05/1	1	M-5243.05	5
6 mm	M-5243.06/1	1	M-5243.06	5
7 mm	M-5243.07/1	1	M-5243.07	5
8 mm	M-5243.08/1	1	M-5243.08	5
9 mm	M-5243.09/1	1	M-5243.09	5
10 mm	M-5243.10/1	1	M-5243.10	5
11 mm	M-5243.11/1	1	M-5243.11	5
13 mm	M-5243.13/1	1	M-5243.13	5

2.0 SpeedTip Screws, Self-Drilling, Cross-Drive

Material: Titanium (ASTM F136)

Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg
5 mm	M-5143.05/1	1	M-5143.05	5
6 mm	M-5143.06/1	1	M-5143.06	5
7 mm	M-5143.07/1	1	M-5143.07	5
8 mm	M-5143.08/1	1	M-5143.08	5
9 mm	M-5143.09/1	1	M-5143.09	5
10 mm	M-5143.10/1	1	M-5143.10	5
11 mm	M-5143.11/1	1	M-5143.11	5
13 mm	M-5143.13/1	1	M-5143.13	5

Distraction Cylinders



M-4932



M-4934



M-4936

Art. No.	Distraction length	Piece/Pkg
M-4932	10 mm	1
M-4934	15 mm	1
M-4936	20 mm	1

Flexible Extensions



M-4942



M-4943



M-4944



M-4945

Art. No.	Length	Piece/Pkg
M-4942	30 mm	1
M-4943	40 mm	1
M-4944	60 mm	1
M-4945	80 mm	1

Twist Drills for Screws Ø 2.0 mm



M-3173



M-3113



M-3203 °



M-3223 °

Art. No.	Ø	Stop	Length	Drill Shaft End	Piece/Pkg
M-3173	1.5	7 mm	50 mm	Stryker J-latch	1
M-3113	1.5	10 mm	83 mm	Stryker J-latch	1
M-3203 °	1.6	20 mm	93 mm	Stryker J-latch	1
M-3223 °	1.6	25 mm	93 mm	Stryker J-latch	1



M-3183



M-3133



M-3213 °



M-3293



M-3243 °

Art. No.	Ø	Stop	Length	Drill Shaft End	Piece/Pkg
M-3183	1.5	7 mm	37 mm	Dental	1
M-3133	1.5	10 mm	70 mm	Dental	1
M-3213 °	1.6	20 mm	80 mm	Dental	1
M-3293	1.6	25 mm	55 mm	Dental	1
M-3243 °	1.6	25 mm	80 mm	Dental	1

° Can be used with Drill Stop Guide M-2193

Drill Stop Guide, Adjustable



Art. No.
M-2193

Piece/Pkg
1

Depth Gauge



M-2250



M-2250.1

Art. No.	Description	Length	Piece/Pkg
M-2250		153 mm	1
M-2250.1	Caliper needle (replacement part)	163 mm	1

2.0 Screwdriver (complete)



M-2113



M-2143



M-2103

Art. No.	Interface	Description	Components	Piece/Pkg
M-2113	HD6	self-holding	M-2503/M-2663	1
M-2143		self-holding	M-2503 / M-2523	1
M-2103		with tension sleeve	M-2503 / M-2513 / M-2553	1

2.0 Screwdriver (Single Components)



M-2553



M-2503



M-2513



M-2523



M-2663

Art. No.	Interface	Description	Length	Piece/Pkg
M-2553		2.0 tension sleeve for M-2103		1
M-2503		2.0 screwdriver handle		1
M-2513		2.0 screwdriver blade for M-2553	87 mm	1
M-2523		2.0 screwdriver blade, self-holding	84 mm	1
M-2663	HD6	2.0 screwdriver blade, self-holding	84 mm	1

Plate and Screw Holding Forceps



Art. No.	Description	Length	Piece/Pkg
A-2060	angled	150 mm	1

Plate Bending Pliers



M-2100



M-2150

Art. No.	Description	Length	Piece/Pkg
M-2100	flat	130 mm	1
M-2150	with Vario pin	120 mm	1

Plate Cutting Pliers



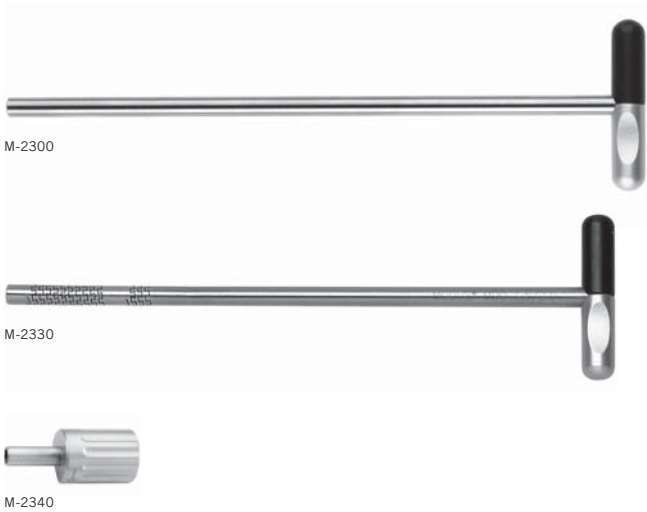
Art. No.	Description	Length	Piece/Pkg
M-2170	large	180 mm	1

MDO Fixation Screwdriver



Art. No.	Length	Piece/Pkg
M-2310	127 mm	1

Distraction Key



Art. No.	Description	Length	Piece/Pkg
M-2300		113 mm	1
M-2330	flexible	108 mm	1
M-2340	Patient	24 mm	1

MDO Pulling-Off Device with Sleeve



Art. No.	Length	Piece/Pkg
M-2320	103 mm	1

Optional:

90° Screwdriver



Art. No.	Description	Length	Piece/Pkg
M-2410	without rotation knob	218 mm	1

Knob for 90° Screwdriver



Art. No.	Description	Length	Piece/Pkg
M-2430	rotation knob	46 mm	1

Sliding Button, complete

Art. No. M-2414



Screwholding fork 1.5 / 2.0 (for non Self-Holding Screwdriver Blades)

Art. No. M-2412



Twist Drill for Screws Ø 2.0 mm for 90° Screwdriver



Art. No.	Spiral drill Ø	Stop	Drill Shaft End	Length	Piece/Pkg
M-3233	1.5	6 mm	Dental	15 mm	1
M-3313	1.5	10 mm	Dental	19 mm	1
M-3303*	1.5	10 mm	Dental	26 mm	1

Screwdriver Blades



Art. No.	Description	Drill Shaft End	Length	Piece/Pkg
M-2588	HD6 self-holding	Dental	13 mm	1
M-2753*	HD6 self-holding	Dental	16 mm	1
M-2493	self-holding	Dental	12 mm	1
M-2563°	self-holding	Dental	12 mm	1
M-2583*	self-holding	Dental	16 mm	1

Scale: 1:1

° Can be used with Screw-Holding Fork 1.5 / 2.0 (M-2412)
 * Specially for drilling and fixation behind the bracket

→ www.medartis.com/products/modus/mandible

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