

medartis®

PRECISION IN FIXATION

PRODUCT INFORMATION

SpeedTip® –
Self-Drilling
Screws 1.5/2.0

MODUS®





Cortical Screws 1.5/2.0 with SpeedTip® Technology

Quick and Effective Solution for Trauma,
Orthognathic and Neuro Surgery

Self-drilling MODUS SpeedTip screws save time and effort whilst providing secure implant fixation. Intraoral surgery becomes considerably more efficient since without the pre-drilling the positioning of the plate and screw insertion can be performed in one working step. The unique thread design of the screw with the polygonal tip allows effortless insertion even with longer screws.

Screw features

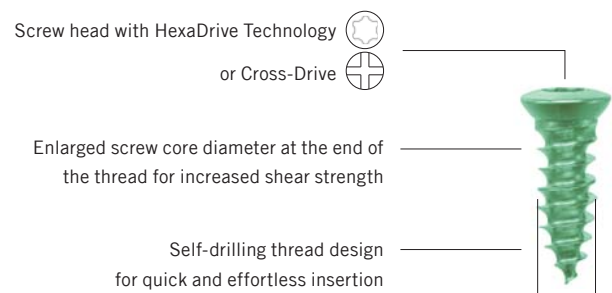
- SpeedTip thread design for screw insertion without pre-drilling
- Excellent cutting properties during screw insertion prevent displacement of the fragments
- Effortless insertion: Only the polygonal tip pushes bone material aside – regardless of screw length
- Excellent tactile feedback of the axial position of the screw in the bone
- Choice between HexaDrive  and Cross-Drive 



- Quick and effective treatment
- Time saving and effortless insertion
- Direct implantation without pre-drilling


Product Characteristics

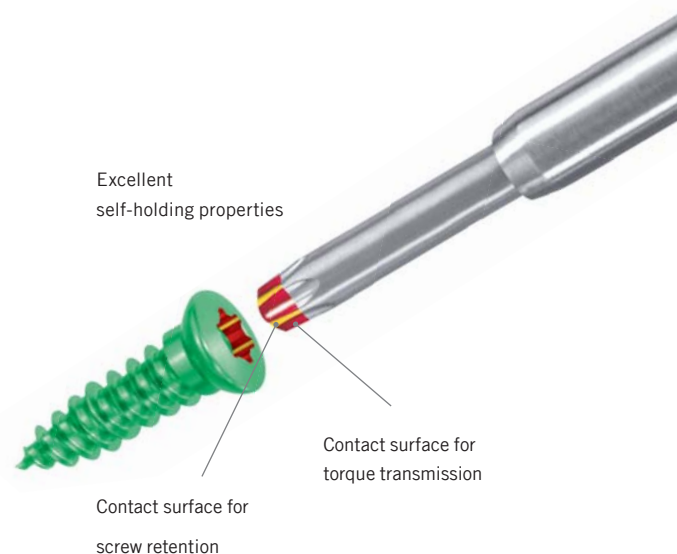
Self-drilling screws demonstrate excellent screw-to-bone contact ^[1] providing a more secure anchorage. The pull-out force applied to SpeedTip screws is considerably higher compared to conventional screws in a pre-drilled hole.



HexaDrive Screw Head Design

HexaDrive screws with the innovative Torx technology provide the following key advantages:

- Excellent self-holding properties
- Safe and easy screw pick-up
- Maximum torque transmission due to large contact surface
- Flat and atraumatic design of the screw head
- HexaDrive screw head for a perfect screw guidance 

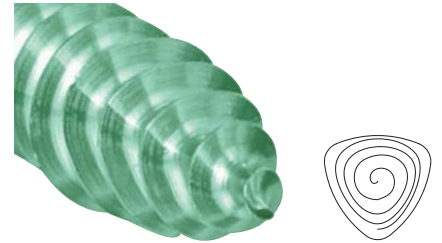


[1] Heidemann, Wolfgang et al. (2001): „Analysis of the osseous/metal interface of drill free screws and self-tapping screws“. In: J Maxillofac Surg. 2001 Apr;29(2):69-74.

SPEEDTIP TECHNOLOGY

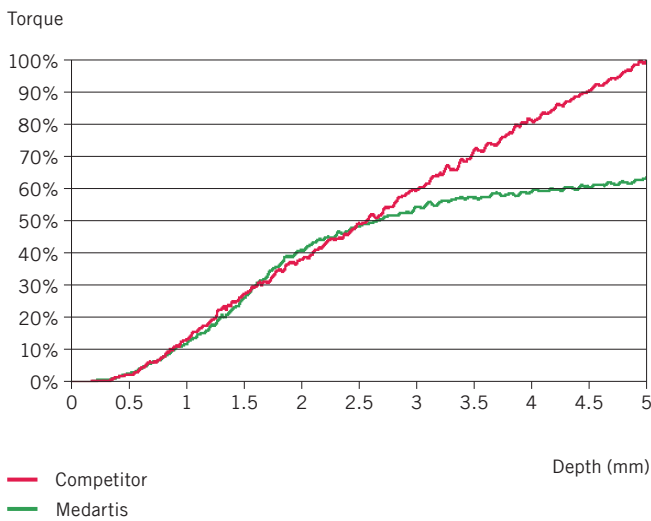
Optimized geometry of the polygonal cutting tip allows for immediate gripping of the bone with only a slight axial pressure.

The triangular shaft design permits simultaneous drilling and displacement of the bone material in the zone behind the screw cutting tip. The conical diameter reduction of the cutting body reduces the insertion torque, which gives a tactile feedback of the axial position of the screw tip in the bone (e.g. penetration of the cortex).



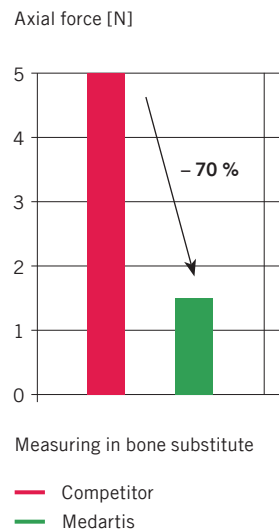
Torque comparison

Medartis SpeedTip screw vs. competition



Comparison of needed axial force

Self-drilling competition product vs. Medartis SpeedTip screw



Axial force with Medartis SpeedTip screw is up to 70% lower compared to the competition

Ordering Information

1.5 SpeedTip Screws, Self-Drilling, HexaDrive 4

Material: Titanium (ASTM F136)



Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg	System
4 mm	M-5223.04/1	1	M-5223.04	5	1.5 Neuro 1.5 OPS 1.5 Mesh
5 mm	M-5223.05/1	1	M-5223.05	5	1.5 Neuro 1.5 OPS 1.5 Mesh
6 mm	M-5223.06/1	1	M-5223.06	5	1.5 Neuro 1.5 OPS 1.5 Mesh
7 mm	M-5223.07/1	1	M-5223.07	5	1.5
9 mm*	M-5223.09/1	1	M-5223.09	5	

Optionally available: Container for all SpeedTip screws 1.5 (M-6412)
 * Storage option only in Container for SpeedTip screws 1.5 (M-6412)

1.5 SpeedTip Screws, Self-Drilling, Cross-Drive

Material: Titanium (ASTM F136)



Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg	System
4 mm	M-5121.04/1	1	M-5121.04	5	1.5 Neuro 1.5 OPS 1.5 Mesh
5 mm	M-5121.05/1	1	M-5121.05	5	1.5 Neuro 1.5 OPS 1.5 Mesh
6 mm	M-5121.06/1	1	M-5121.06	5	1.5 Neuro 1.5 OPS 1.5 Mesh
7 mm	M-5121.07/1	1	M-5121.07	5	1.5
9 mm*	M-5121.09/1	1	M-5121.09	5	

Optionally available: Container for all SpeedTip screws 1.5 (M-6412)
 * Storage option only in Container for SpeedTip screws 1.5 (M-6412)

2.0 SpeedTip Screws, Self-Drilling, HexaDrive 6

Material: Titanium (ASTM F136)



Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg	System
5 mm	M-5243.05/1	1	M-5243.05	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0 Mesh
6 mm	M-5243.06/1	1	M-5243.06	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0 Mesh
7 mm	M-5243.07/1	1	M-5243.07	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
8 mm	M-5243.08/1	1	M-5243.08	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
9 mm	M-5243.09/1	1	M-5243.09	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
10 mm	M-5243.10/1	1	M-5243.10	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
11 mm	M-5243.11/1	1	M-5243.11	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
12 mm	M-5243.12/1	1	M-5243.12	5	TriLock 2.0
13 mm	M-5243.13/1	1	M-5243.13	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
14 mm*	M-5243.14/1	1	M-5243.14	5	TriLock 2.0
15 mm	M-5243.15/1	1	M-5243.15	5	2.0 Trauma 2.0 OSS 2.0 TriLock 2.0
16 mm*	M-5243.16/1	1	M-5243.16	5	TriLock 2.0

Optionally available: Container MODUS SpeedTip Screws (M-6413) (for all lengths, except for 14 mm / 16 mm)
 * No storage option in available MODUS containers (except TriLock)

2.0 SpeedTip Screws, Self-Drilling, Cross-Drive

Material: Titanium (ASTM F136)



Length	Art. No.	Piece/Pkg	Art. No.	Piece/Pkg	System
5 mm	M-5143.05/1	1	M-5143.05	5	2.0 Trauma 2.0 OSS 2.0 Mesh
6 mm	M-5143.06/1	1	M-5143.06	5	2.0 Trauma 2.0 OSS 2.0 Mesh
7 mm	M-5143.07/1	1	M-5143.07	5	2.0 Trauma 2.0 OSS 2.0
8 mm	M-5143.08/1	1	M-5143.08	5	2.0 Trauma 2.0 OSS 2.0
9 mm	M-5143.09/1	1	M-5143.09	5	2.0 Trauma 2.0 OSS 2.0
10 mm	M-5143.10/1	1	M-5143.10	5	2.0 Trauma 2.0 OSS 2.0
11 mm	M-5143.11/1	1	M-5143.11	5	2.0 Trauma 2.0 OSS 2.0
12 mm	M-5143.12/1	1	M-5143.12	5	
13 mm	M-5143.13/1	1	M-5143.13	5	2.0 Trauma 2.0 OSS 2.0
14 mm*	M-5143.14/1	1	M-5143.14	5	
15 mm	M-5143.15/1	1	M-5143.15	5	2.0 Trauma 2.0
16 mm*	M-5143.16/1	1	M-5143.16	5	

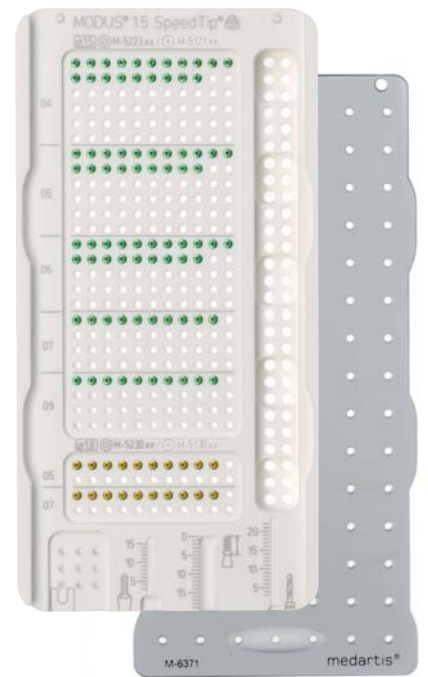
Optionally available: Container MODUS SpeedTip Screws (M-6413) (for all lengths, except for 14 mm / 16 mm)
 * No storage option in available MODUS containers

Implant Container SpeedTip Screws 1.5

Art. No. M-6412 (empty, incl. lid)

Lid for Container M-6412/M-6413

Art. No. M-6371 (spare part)



1.5 Screwdriver (complete)



Art. No.	Interface	Description	Components	Piece/Pkg
M-2112	HD4	Self-Holding	M-2502 / M-2662	1
M-2142		Self-Holding	M-2502 / M-2522	1
M-2102		with Holding Device	M-2502 / M-2512 / M-2552	1

Screwdriver 1.5 (single components)



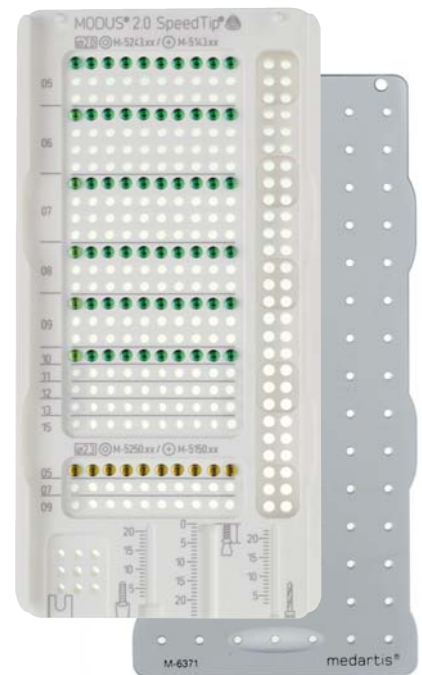
Art. No.	Interface	Description	Length	Piece/Pkg
M-2552		1.5 Tension Sleeve for M-2102		1
M-2502		1.5 Screwdriver Handle		1
M-2512		1.5 Screwdriver Blade for M-2552	69 mm	1
M-2522		1.5 Screwdriver Blade, Self-Holding	69 mm	1
M-2662	HD4	1.5 Screwdriver Blade, Self-Holding	69 mm	1

Implant Container SpeedTip Screws 2.0

Art. No. M-6413 (empty, incl. lid)

Lid for Container M-6412/M-6413

Art. No. M-6371 (spare part)



2.0 Screwdriver 2.0 (complete)



Art. No.	Interface	Description	Components	Piece/Pkg
M-2113	HD6	Self-Holding	M-2503 / M-2663	1
M-2143	Self-Holding	Self-Holding	M-2503 / M-2523	1
M-2103	Self-Holding	with Holding Device	M-2503 / M-2513 / M-2553	1

Screwdriver 2.0 (single components)



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	Self-Holding	2.0 Screwdriver Blade for M-2553	87 mm	1
M-2523	Self-Holding	2.0 Screwdriver Blade, Self-Holding	84 mm	1
M-2663	HD6	2.0 Screwdriver Blade, Self-Holding	84 mm	1

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HEADQUARTERS

Medartis AG | Hochbergerstrasse 60E | 4057 Basel/Switzerland

P +41 61 633 34 34 | F +41 61 633 34 00 | www.medartis.com

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