

medartis®

PRECISION IN FIXATION

PRODUCT INFORMATION

SpeedTip® C 2.0, 2.8

Self-Drilling Compression Screws



APTUS®
Foot



Publications

1. Heidemann, W.; Terheyden, H.; Gerlach, K. L.
Analysis of the osseous / metal interface of drill free screws and self-tapping screws
Journal of Cranio-Maxillofacial Surgery (2001) 29, 69–74
2. Heidemann, W.; Terheyden, H.; Gerlach, K. L.
In-vivo-Untersuchungen zum Schrauben-Knochen-Kontakt von Drill-Free-Schrauben
und herkömmlichen selbstschneidenden Schrauben
Mund Kiefer GesichtsChir 5 2001: 17–21



SpeedTip® C 2.0, 2.8

Self-Drilling Compression Screws

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For further information regarding APTUS Foot see: www.medartis.com/products

SpeedTip C 2.0, 2.8

The next generation of self-drilling and self-tapping compression screws

In current foot surgery, self-drilling and self-tapping screws have become the gold standard. With patented Medartis technologies providing innovative solutions, SpeedTip C screws help make the appropriate cases for the surgeon easier. The sharp screw tip penetrates the bone exactly where the surgeon puts it. The

specific thread design runs up to the tip of the screw and offers a better purchase in the bone. All SpeedTip C and SpeedTip C-Snap screws can be inserted under power or with a HexaDrive screwdriver. SpeedTip C screws allow the surgeon to experience the full potential self-drilling screws can offer.

Indications

Fractures, osteotomies and arthrodesis of small bones especially the tarsals, the metatarsals and the phalanges.

2.0 SpeedTip C-Snap Screw



2.0 SpeedTip C Screw

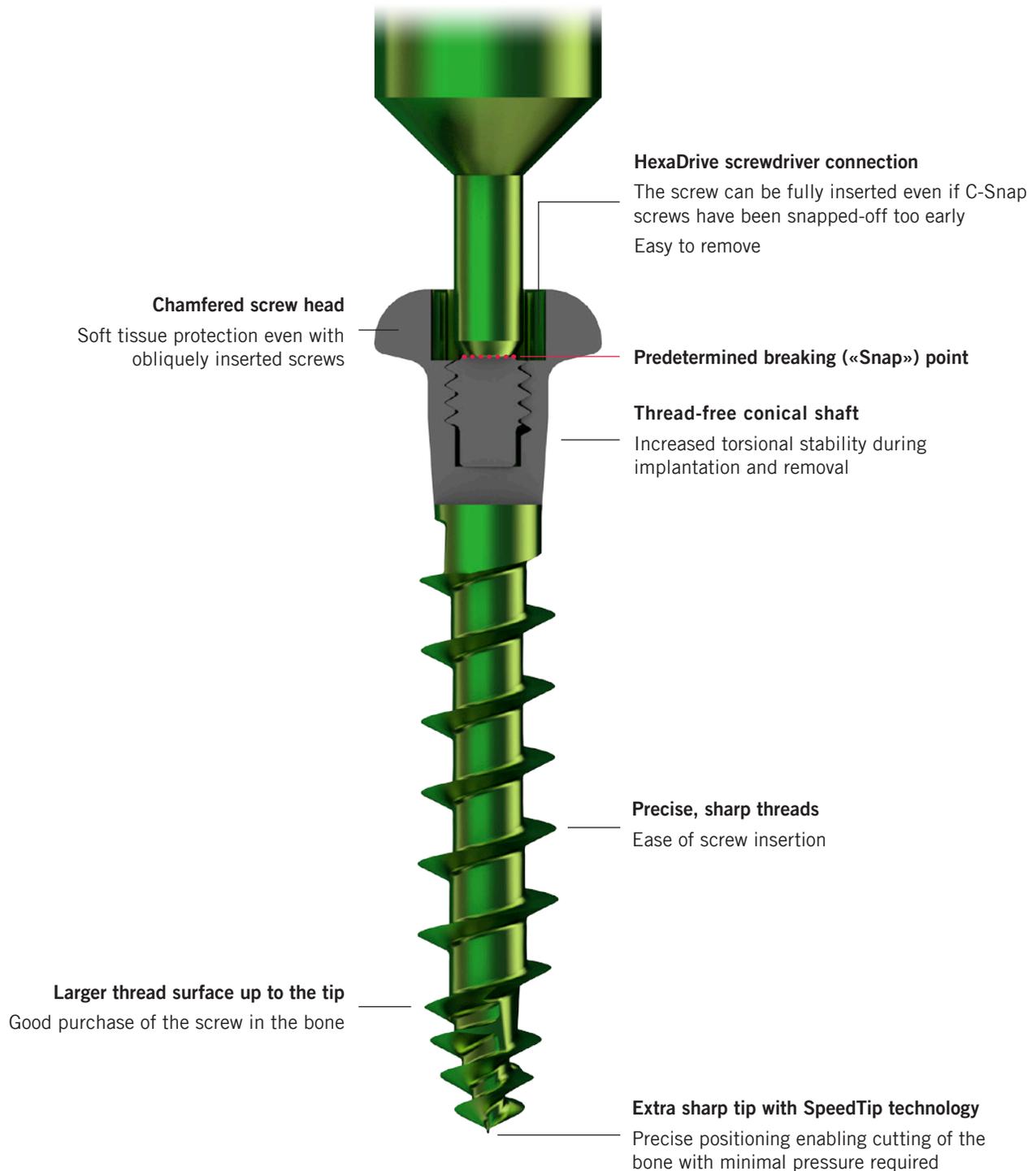


2.8 SpeedTip C Screw



| | 2.0 SpeedTip C-Snap | 2.0 SpeedTip C | 2.8 SpeedTip C |
|---------------------------|---------------------------------------|-------------------------------|-------------------------------|
| Most frequent application | Weil Osteotomy | Weil Osteotomy | Chevron/Austin Osteotomy |
| Lengths | 10–13 mm | 10–13 mm | 16, 18, 20, 22, 24 mm |
| Drive | Mechanically via pin, screwdriver HD6 | Mechanically, screwdriver HD6 | Mechanically, screwdriver HD7 |

Screw Features

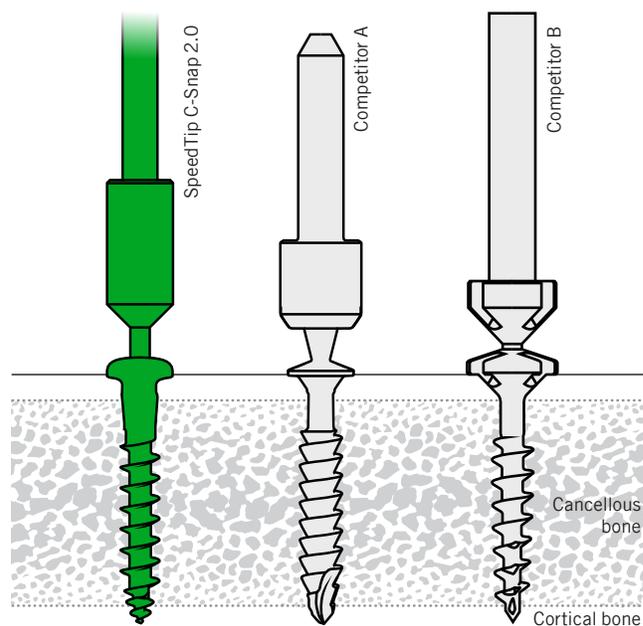


Technology

SpeedTip polygonal geometry

- Direct screw insertion without pre-drilling
- Reduced risk of dislocation of bone fragments due to increased bone purchase
- Effortless insertion: Only the polygonal tip pushes bone material aside
- The triangular tip design permits simultaneous drilling, tapping and compression of the bone tissue during insertion for increased pull-out stability^{1,2}
- Excellent self-tapping properties without the necessity for cutting flutes due to precision-cut thread profile

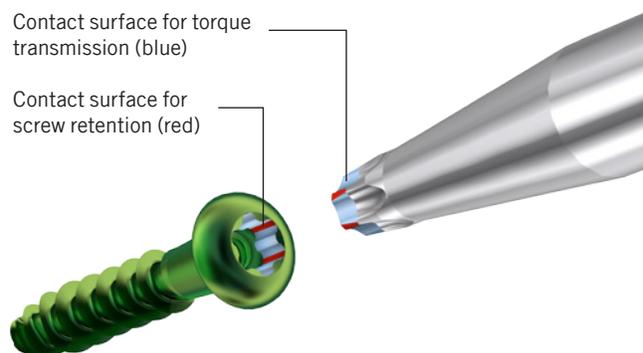
Comparison of screw purchase



Larger thread surface at the tip enables more purchase in the bone

HexaDrive technology

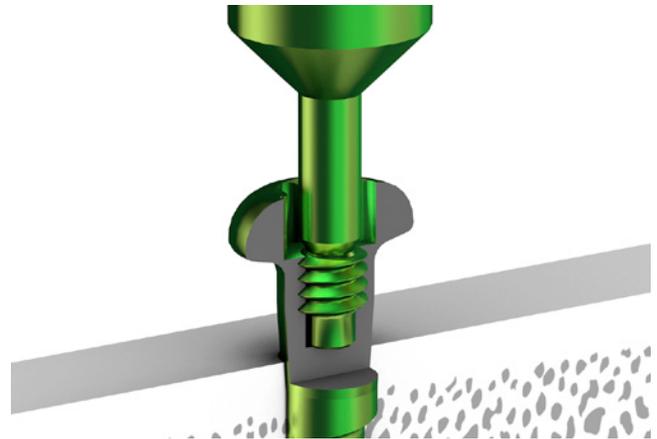
- Secure connection between screw and screwdriver
- Soft tissue protection due to the internal contour of the round screw head design
- Improved self-retaining mechanism



Snap-off Mechanism

Insertion of the SpeedTip C-Snap screw

SpeedTip C-Snap screws can be inserted under power either with a K-wire driver (\varnothing 1.8 mm) or a three-jaw chuck.



Release of the snap-off mechanism

The snap-off mechanism is released as soon as the head of the SpeedTip C-Snap screw touches the bone. The screw head's internal HexaDrive contour is visible.



Tightening with HexaDrive screwdriver

After release of the snap-off mechanism, the SpeedTip C-Snap screw is further inserted with the HD6 HexaDrive screwdriver.



Clinical Examples

Case 1 – Weil osteotomy



Preoperative X-ray



Postoperative X-ray



Postoperative X-ray

Case 2 – Akin osteotomy with MTP arthrosis and superadducted toe (digitus superductus)



Preoperative X-ray



Postoperative X-ray



Result after 6 weeks

Case 3 – Chevron / Austin osteotomy



Intraoperative X-ray I



Intraoperative X-ray II

Clinical cases with kind permission of:

Case 1 and 2: E. Orthner, MD, Wels, Austria | Case 3: C. Plaass, MD, Hannover, Germany

Storage

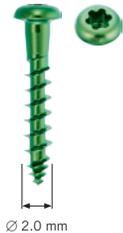
- Compact
- Clear arrangement
- Easy to handle
- Can be integrated in the APTUS Foot system
- Validated cleaning and sterilization tray



Ordering Information

2.0 SpeedTip C Screws Self-Drilling, HexaDrive 6

Material: Titanium (ASTM F136)



| Length | Art. No. | Pieces/Pkg |
|--------|-------------|------------|
| 10 mm | A-5411.10/1 | 1 |
| 11 mm | A-5411.11/1 | 1 |
| 12 mm | A-5411.12/1 | 1 |
| 13 mm | A-5411.13/1 | 1 |

2.8 SpeedTip C Screws Self-Drilling, HexaDrive 7

Material: Titanium (ASTM F136)



| Length | Art. No. | Pieces/Pkg |
|--------|-------------|------------|
| 16 mm | A-5811.16/1 | 1 |
| 18 mm | A-5811.18/1 | 1 |
| 20 mm | A-5811.20/1 | 1 |
| 22 mm | A-5811.22/1 | 1 |
| 24 mm | A-5811.24/1 | 1 |

2.0 SpeedTip C-Snap Screws, Self-Drilling, HexaDrive 6

Material: Titanium (ASTM F136)



| Length | Art. No. | Pieces/Pkg |
|--------|-------------|------------|
| 10 mm | A-5417.10/1 | 1 |
| 11 mm | A-5417.11/1 | 1 |
| 12 mm | A-5417.12/1 | 1 |
| 13 mm | A-5417.13/1 | 1 |

Scale screws: 2:1

Ordering Information

Handle with Quick Connector, Cannulated



| Art. No. | Description | Length | for Shaft End | Pieces/Pkg |
|----------|----------------|--------|-------------------|------------|
| A-2073 | with twist cap | 124 mm | AO Quick Coupling | 1 |

Screwdriver Blades, Self-Holding



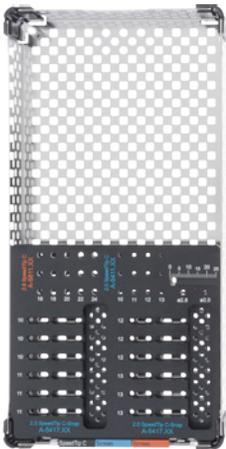
A-2611 HD6



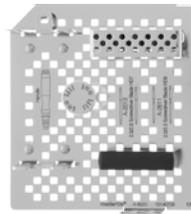
A-2013 HD7

| Art. No. | System Size | Interface | Length | Shaft End | Pieces/Pkg |
|----------|-------------|-----------|--------|-------------------|------------|
| A-2611 | 2.0/2.3 | HD6 | 75 mm | AO Quick Coupling | 1 |
| A-2013 | 2.5/2.8 | HD7 | 75 mm | AO Quick Coupling | 1 |

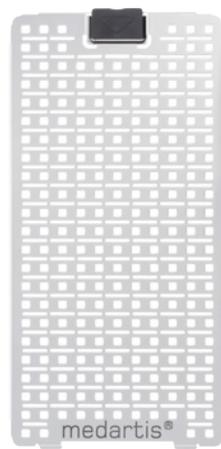
Instrument Case and Inlay for SpeedTip C



A-6621



A-6620



M-6706

| Art. No. | Description | Size | Pieces/Pkg |
|----------|------------------|----------------------|------------|
| A-6620 | instrument inlay | 113 × 124 mm × 30 mm | 1 |
| A-6621 | instrument tray | 120 × 240 mm × 37 mm | 1 |
| M-6706 | lid for A-6621 | 120 × 240 mm | 1 |

Scale instruments: 1:2

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Caution: The devices are restricted to sale only by or on the order of a physician or a hospital.

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