

medartis

PRECISION IN FIXATION

PRODUCT INFORMATION

Fore- and Midfoot System 2.0/2.3, 2.8



APTUS Foot

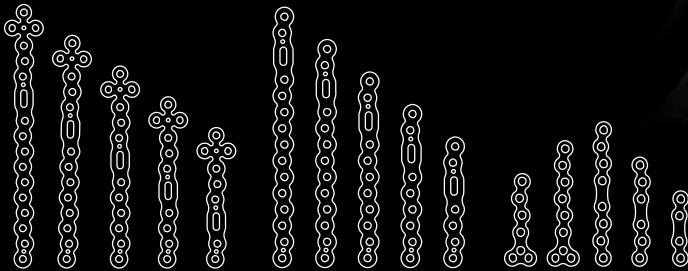
Fore- and Midfoot System 2.0/2.3, 2.8

The Fore- and Midfoot System 2.0/2.3, 2.8 is characterized by versatility and flexibility to provide a wide range of fixation options for fractures, osteotomies and arthrodeses of the tarsals, metatarsals and phalanges. The system offers a multitude of low profile plates with straight and anatomical design. All plates feature the multidirectional and angular stable TriLock locking technology.



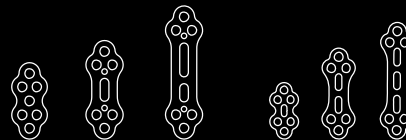
2.0/2.3, 2.8 TriLock Straight and T Plates 2.8 TriLock T Extended Plates

- Various plate thicknesses of 1.3 and 1.6 mm for soft tissue protection
- Offset screw holes to prevent screw collision
- Increased subchondral stability in various plates achieved by a double row of screws in the plate end area



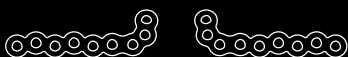
2.0/2.3, 2.8 TriLock Grid Plates

- Various plate thicknesses of 1.3 and 1.6 mm for soft tissue protection
- Plate design allows for many applications and plate positions
- Increased subchondral stability achieved by a double row of screws in the plate end area
- Plates can be contoured to the individual anatomy



2.8 TriLock L Plates

- Plate thickness of 1.6 mm for soft tissue protection
- Offset screw holes to prevent screw collision
- Anatomical plate design
- Screw placement in the plate end area allows multiple screws in small bone fragments



2.8 TriLock C Plates

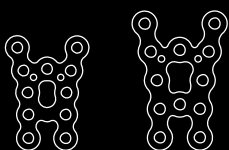
- Anatomical design and low plate profile
- Centric hole to fix a wedge or a bone graft
- Can be used with any wedge of the modular wedge system 2.8/3.5
- Ease of use due to uniform instrumentation for plate and wedge



Large and small wedge sizes from 4 – 12 mm
All wedges are compatible with the APTUS Foot plating systems 2.8/3.5

2.8 TriLock Wing Plates

- Well suited for high loads due to superior fatigue resistance ⁴
- K-wire holes for 1.6 mm K-wires to assist with temporary plate fixation and verification of implant position
- Plates may be cut and bent for a wide range of applications
- Low plate profile with minimal screw head protrusion, rounded edges and a smooth surface for soft tissue protection



⁴A. Spiegel, PhD, B. Langer, Medartis AG, Switzerland; S. Fabbri, Prof. M. de Wild, FHNW, Switzerland:
Fatigue Testing of the Medartis APTUS Wing Plate (on file; Medartis AG, Switzerland)

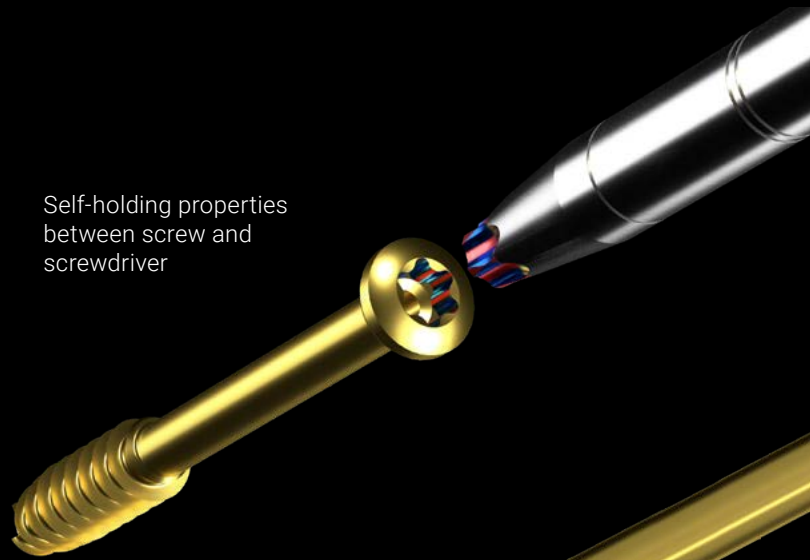
CCS and headedCCS

HexaDrive screw head design

- Simplified screw pick-up due to the self-holding technology
- Increased torque transmission

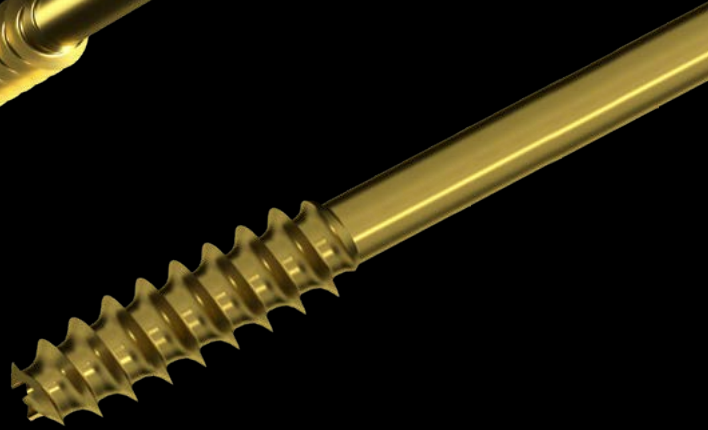


Self-holding properties between screw and screwdriver



SpeedTip thread design

- Functionally unique cutting with immediate bite¹
- Immediate cutting of the bone with only slight axial pressure
- The triangular tip design permits simultaneous drilling, tapping and compression of the bone tissue during insertion for increased pull-out stability^{2,3}
- Reduced insertion torque thanks to the polygonal tip and tapered shaft

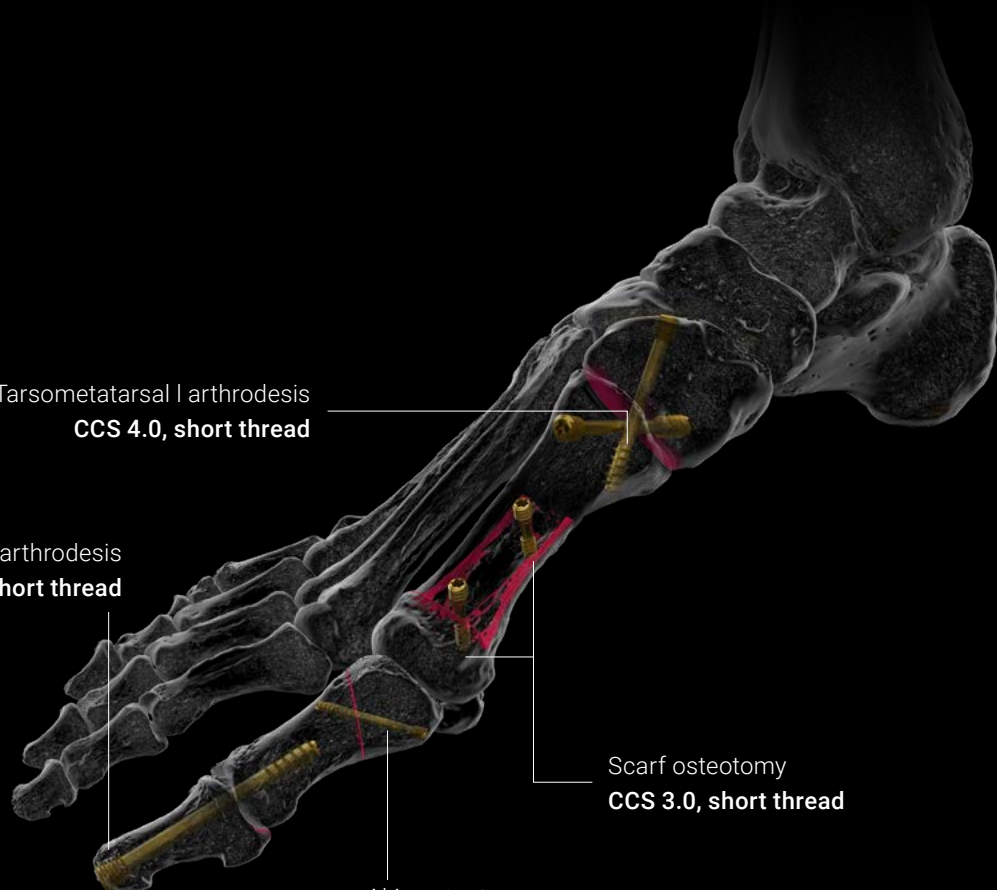


Tarsometatarsal I arthrodesis
CCS 4.0, short thread

Interphalangeal joint arthrodesis
CCS 5.0, short thread

Scarf osteotomy
CCS 3.0, short thread


Akin osteotomy
CCS 2.2, short thread



¹ Spiegel, A.; Pochlatko, N.; Zeuner, H.; Lang, A.: Biomechanical Tests of Different Cannulated Compression Screws (on file; Medartis AG, Switzerland)

² 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)

³ 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)



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