

medartis

PRECISION IN FIXATION

PRODUCT INFORMATION

Scaphoid System 1.5–3.0



APTUS Hand

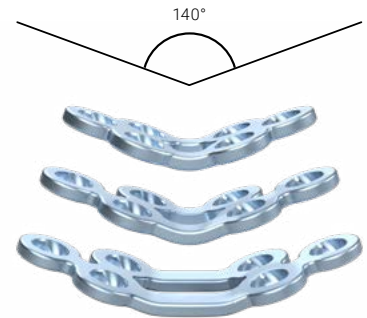
Uniqueness. Triplicated.

The scaphoid plates are designed to treat primarily non-unions after previous conservative or operative treatment. In addition, the design and internal fixator principle of these locking plates allow the treatment of multifragmentary, complex or very distal fractures of the scaphoid.



Three plate options offer improved anatomical fit to respond to the large variability in size and shape of the scaphoid bone.

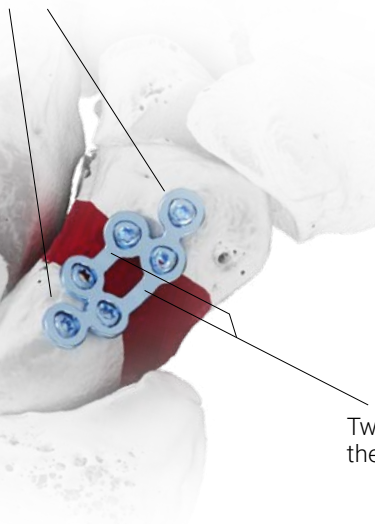
High degree of stability due to the grid structure and up to three TriLock screws on each side of the non-union



Anatomically preshaped to correct humpback deformity



TriLock – multidirectional ($\pm 15^\circ$) and angular stable locking technology

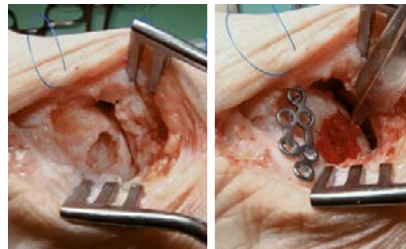


Two middle bars to keep the bone graft in place

Case 1 – Non-union treated with the scaphoid plate



Preoperative CT and X-ray.
Patient: male, 38 years old.
Non-union of the scaphoid.



Intraoperative image, volar.
Left: Resection of the pseudarthrotic tissue.
Right: Prefixation of the plate with a suture.

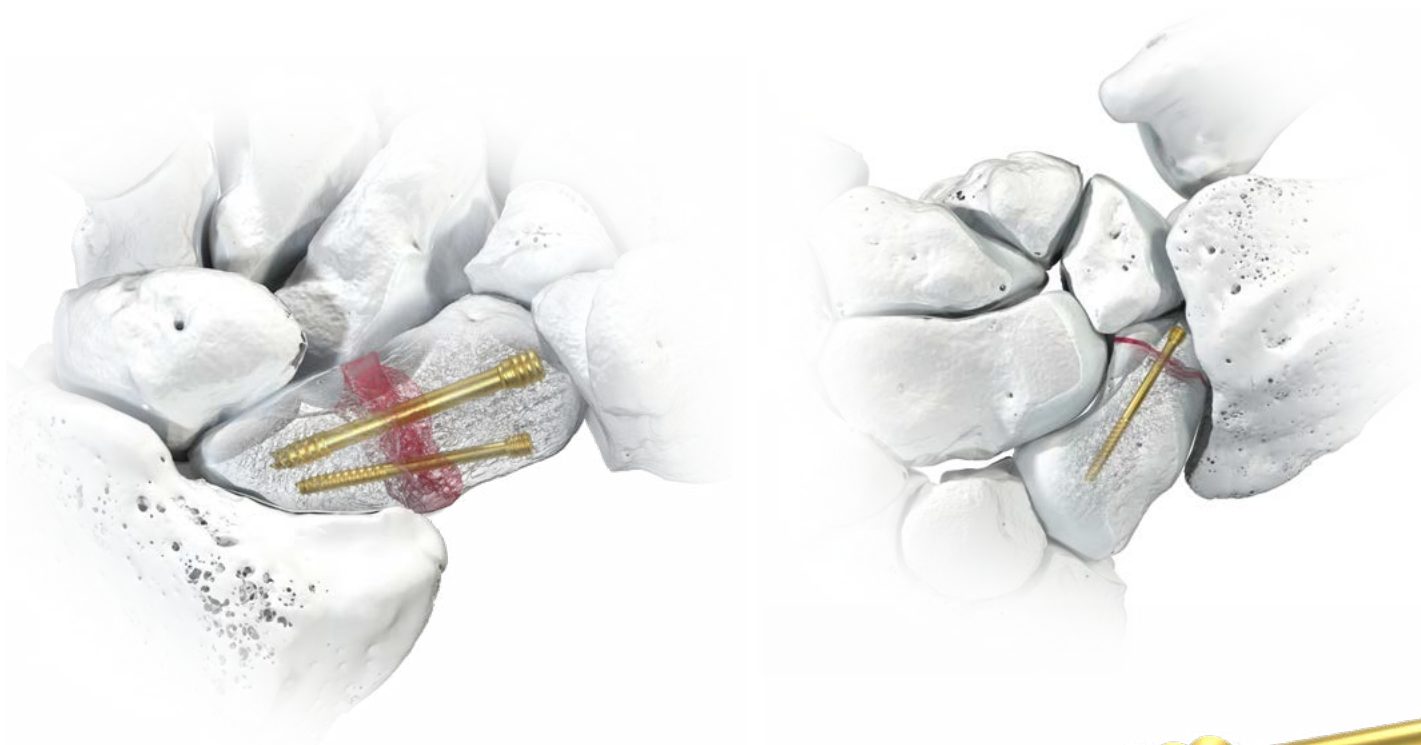


X-rays, 10 weeks postoperatively.
The union of the pseudarthrosis is well visible.

Clinical example published with the kind permission of the author.

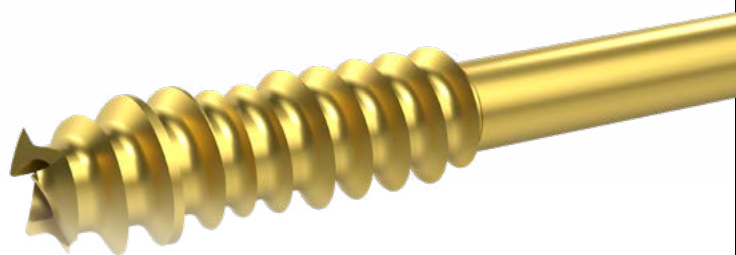
Comprehensive. Yet Simple.

The headless CCS portfolio offers a comprehensive range of screw sizes (CCS 1.7, 2.2, 3.0) and lengths to accommodate your needs for the treatment of scaphoid fractures.

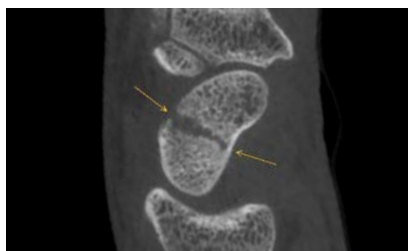


Self-drilling and self-tapping SpeedTip thread design

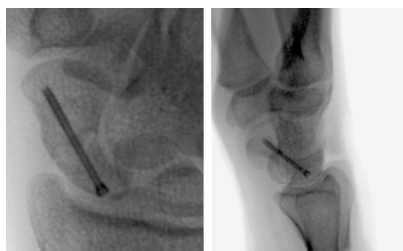
- functionally unique cutting with immediate bite¹
- immediate cutting of the bone with only slight axial pressure



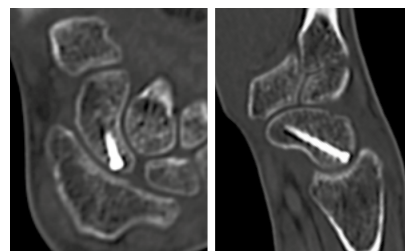
Case 2 – Scaphoid waist fracture treated with a headless screw



Preoperative CT. Patient: female, 27 years old. Stumbling fall ended in a scaphoid fracture.



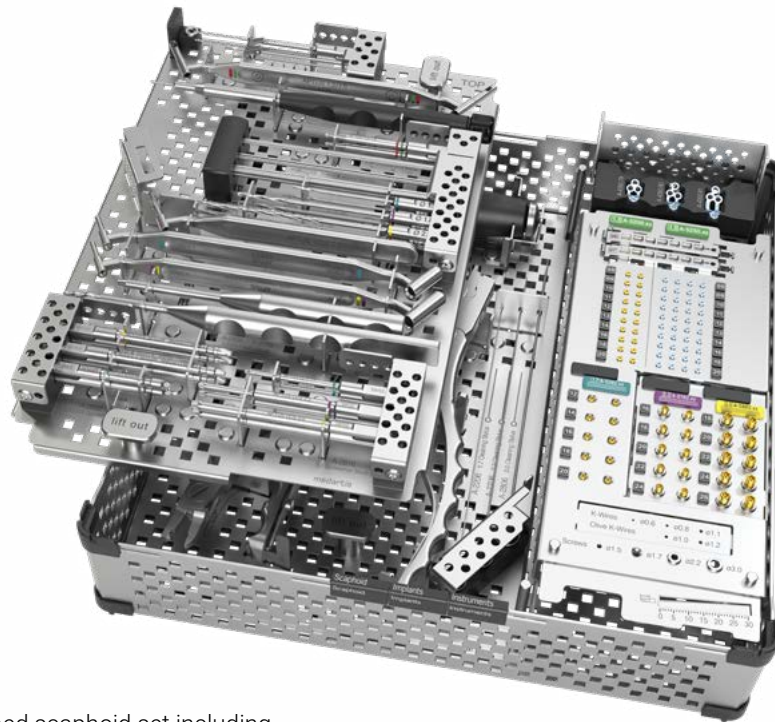
Intraoperative X-ray. Scaphoid fixation with a CCS 1.7, long thread.



Postoperative CT after 3 months with healed scaphoid bone.

Clinical example published with the kind permission of: N. Schelhorn, R. Fricker, Switzerland

Storage



Example of an equipped scaphoid set including scaphoid plates and headless cannulated screws 1.7, 2.2 and 3.0

Bibliography

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

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Putnam, J.G., et al., Plate Fixation With Cancellous Graft for Scaphoid Nonunion With Avascular Necrosis. J Hand Surg Am, 2019a. 44(4): p. 339.e1-339.e7.

Putnam, J.G., et al., Outcomes of Unstable Scaphoid Nonunion With Segmental Defect Treated With Plate Fixation and Autogenous Cancellous Graft. J Hand Surg Am, 2019b. 44(2): p. 160.e1-160.e7.

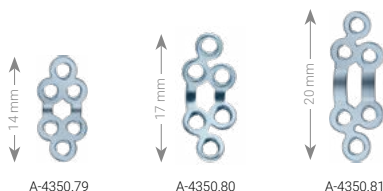
Dodds, S.D., et al., Lessons learned from volar plate fixation of scaphoid fracture nonunions. J Hand Surg Eur Vol, 2018. 43(1): p. 57-65.

Dodds, S.D. and A. Halim, Scaphoid Plate Fixation and Volar Carpal Artery Vascularized Bone Graft for Recalcitrant Scaphoid Nonunions. J Hand Surg Am, 2016. 41(7): p. e191-8.

Ordering Information

1.5 Scaphoid Plates

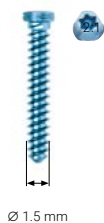
Material: Unalloyed titanium (ASTM F67, ISO 5832-2)
Plate thickness: 0.8 mm



Art. No.	STERILE	Description	Pieces / Pkg
A-4350.79	A-4350.79S	for scaphoid, small	1
A-4350.80	A-4350.80S	for scaphoid	1
A-4350.81	A-4350.81S	for scaphoid, large	1

1.5 TriLock Screws, HexaDrive 4

Material: Titanium alloy (ASTM F136, ISO 5832-3)



Length	Art. No.	Pieces / Pkg	Art. No.	Pieces / Pkg
6 mm	A-5250.06/1	1	A-5250.06	5
7 mm	A-5250.07/1	1	A-5250.07	5
8 mm	A-5250.08/1	1	A-5250.08	5
9 mm	A-5250.09/1	1	A-5250.09	5
10 mm	A-5250.10/1	1	A-5250.10	5
11 mm	A-5250.11/1	1	A-5250.11	5
12 mm	A-5250.12/1	1	A-5250.12	5
13 mm	A-5250.13/1	1	A-5250.13	5
14 mm	A-5250.14/1	1	A-5250.14	5
16 mm	A-5250.16/1	1	A-5250.16	5
18 mm	A-5250.18/1	1	A-5250.18	5
20 mm	A-5250.20/1	1	A-5250.20	5

1.5 Cortical Screws, HexaDrive 4

Material: Titanium alloy (ASTM F136, ISO 5832-3)



Length	Art. No.	Pieces / Pkg	Art. No.	Pieces / Pkg
6 mm	A-5200.06/1	1	A-5200.06	5
7 mm	A-5200.07/1	1	A-5200.07	5
8 mm	A-5200.08/1	1	A-5200.08	5
9 mm	A-5200.09/1	1	A-5200.09	5
10 mm	A-5200.10/1	1	A-5200.10	5
11 mm	A-5200.11/1	1	A-5200.11	5
12 mm	A-5200.12/1	1	A-5200.12	5
13 mm	A-5200.13/1	1	A-5200.13	5
14 mm	A-5200.14/1	1	A-5200.14	5
16 mm	A-5200.16/1	1	A-5200.16	5
18 mm	A-5200.18/1	1	A-5200.18	5
20 mm	A-5200.20/1	1	A-5200.20	5

For further information regarding the APTUS product line visit www.medartisusa.com

HAND-02000006_v3 / 2024-06, Medartis AG, Switzerland. All technical data subject to alteration.

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